



ING. ENRICO ULISSE AVANZI

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REGIONE CAMPANIA

PROVINCIA BENEVENTO

IMPIANTO DI DISCARICA PER RIFIUTI NON PERICOLOSI
ex Legge n. 87 del 05.07.2007
in località "LA NOCECCHIA" in Comune di
SANT'ARCANGELO TRIMONTE (BN)



DANECO IMPIANTI SRL Socio Unico
Sede legale e amministrativa:
via G. Bensi 12/5 - 20152 Milano

OPERE DI MESSA IN SICUREZZA DEL SITO DELLA DISCARICA

PROGETTO ESECUTIVO

FASCICOLO DI CALCOLO 1 - VERIFICHE DI STABILITA' DEL VERSANTE

Progettista: Ing. Enrico Ulisse Avanzi

	6		
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	2		
Novembre 2010	1	EMISSIONE	Avanzi
DATA	REV.	STATO	REDATTO

Protocollo : 523-11/10	ELABORATO N. : IP.8.d	Redatto :
Data : Novembre 2010		Verificato :
Approvato:		
Nome File : 523-1110-IP8d.01.pdf		COLLABORATORE :

VERIFICA STABILITA' DEI PENDII

 Sezione L-L - Condizione Statica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici : 0.000
 Coefficiente sismico verticale : 0.000
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Pendio	1	252.570	230.810
Pendio	2	260.750	235.590
Pendio	3	270.620	236.590
Pendio	4	281.290	237.980
Pendio	5	285.960	238.400
Pendio	6	291.010	239.040
Pendio	7	300.670	241.580
Pendio	8	310.970	242.750
Pendio	9	316.010	243.020
Pendio	10	320.790	242.700
Pendio	11	330.870	240.790
Pendio	12	341.170	240.100
Pendio	13	346.110	239.620
Pendio	14	350.880	238.290
Pendio	15	360.810	236.910
Pendio	16	366.010	236.540
Pendio	17	375.940	236.590
Pendio	18	381.040	235.160
Pendio	19	390.860	230.220
Pendio	20	396.110	227.780
Pendio	21	401.000	224.920
Pendio	22	415.170	218.120
Pendio	23	422.280	218.020
Pendio	24	424.720	216.370
Pendio	25	427.280	215.570
Pendio	26	429.550	215.570
Pendio	27	430.490	214.550
Pendio	28	434.310	214.550
Pendio	29	436.670	214.300
Pendio	30	439.060	213.240
Pendio	31	450.220	209.100
Pendio	32	452.960	209.100
Pendio	33	454.170	206.600
Pendio	34	459.550	206.600
Pendio	35	460.930	206.920
Pendio	36	467.720	206.920
Pendio	37	470.270	206.550
Pendio	38	471.650	205.490
Pendio	39	479.610	205.490
Pendio	40	483.700	204.370
Pendio	41	485.450	204.530
Pendio	42	489.330	203.260
Pendio	43	505.570	200.660
Pendio	44	518.470	198.320
Pendio	45	530.890	196.300
Pendio	46	545.760	194.130
Pendio	47	551.060	193.490
Pendio	48	556.050	192.380

Pendio	49	559.080	192.060
Pendio	50	576.010	189.560
Pendio	51	578.510	189.300
Pendio	52	580.840	188.450
Pendio	53	584.350	188.240
Pendio	54	587.900	187.390
Pendio	55	600.010	185.420
Pendio	56	611.000	183.190
Pendio	57	625.060	179.690
Pendio	58	632.230	177.670
Pendio	59	640.510	175.500
Pendio	60	658.350	169.820
2	1	256.350	233.019
2	2	256.350	231.890
2	3	261.250	234.570
2	4	275.950	236.260
2	5	285.900	237.560
2	6	291.340	237.980
2	7	295.900	239.360
2	8	300.910	240.280
2	9	310.900	241.810
2	10	316.110	241.810
2	11	320.890	241.390
2	12	325.710	240.770
2	13	330.650	239.630
2	14	341.060	239.010
2	15	350.830	237.440
2	16	360.740	235.800
2	17	366.100	235.380
2	18	376.010	235.450
2	19	380.840	234.300
2	20	385.850	231.660
2	21	390.640	229.290
2	22	395.880	226.300
2	23	400.970	223.740
2	24	405.870	221.250
2	25	412.910	218.150
2	26	412.910	219.205
3	1	257.360	232.442
3	2	257.360	231.770
3	3	265.680	228.110
3	4	270.820	225.900
3	5	276.050	223.130
3	6	280.990	222.730
3	7	295.740	221.800
3	8	305.860	218.910
3	9	311.160	218.870
3	10	315.990	218.430
3	11	320.850	218.470
3	12	325.950	218.100
3	13	336.040	218.100
3	14	340.940	217.780
3	15	346.000	217.740
3	16	355.690	217.100
3	17	366.090	216.380
3	18	370.830	215.930
3	19	375.820	215.690
3	20	385.940	215.650
3	21	390.920	215.930
3	22	396.310	216.060
3	23	402.860	216.380
3	24	406.390	216.740
3	25	411.940	217.940
3	26	411.940	218.577
4	1	256.660	232.060
4	2	256.660	230.910
4	3	262.660	228.500
4	4	265.780	226.980
4	5	270.680	224.620
4	6	275.870	222.000
4	7	286.090	221.320

4	8	295.840	221.030
4	9	300.780	219.300
4	10	306.060	218.160
4	11	315.980	217.480
4	12	320.960	217.480
4	13	327.510	217.100
4	14	341.020	217.060
4	15	350.860	216.430
4	16	360.690	215.710
4	17	370.950	214.990
4	18	375.980	214.610
4	19	380.920	214.610
4	20	386.110	214.650
4	21	391.050	215.030
4	22	396.370	215.030
4	23	401.060	215.370
4	24	406.000	215.580
4	25	410.560	216.640
4	26	414.400	217.780
4	27	414.400	218.490
5	1	406.990	215.810
5	2	406.990	214.920
5	3	415.160	208.920
5	4	428.385	208.920
5	5	428.385	215.570
6	1	256.790	230.858
6	2	256.790	216.970
6	3	258.970	216.420
6	4	265.890	216.420
6	5	272.210	215.310
6	6	279.900	215.380
6	7	286.070	214.790
6	8	291.250	213.980
6	9	300.710	213.870
6	10	307.850	213.200
6	11	317.200	210.390
6	12	325.480	210.390
6	13	331.250	209.690
6	14	350.030	209.620
6	15	360.710	209.250
6	16	370.880	208.290
6	17	376.390	207.990
6	18	381.930	207.250
6	19	390.440	207.100
6	20	396.240	207.070
6	21	402.410	207.550
6	22	404.480	207.510
6	23	409.960	206.770
6	24	416.800	205.810
6	25	422.900	205.770
6	26	427.260	203.260
6	27	428.385	203.291
6	28	428.385	208.920
7	1	428.385	203.291
7	2	428.385	189.070
7	3	428.855	189.070
7	4	428.855	215.570
8	1	428.855	215.570
8	2	428.855	208.920
8	3	431.855	208.920
8	4	431.855	214.550
9	1	428.855	215.570
9	2	428.855	203.310
9	3	429.730	203.330
9	4	431.030	202.560
9	5	431.855	202.564
9	6	431.855	208.920
10	1	431.855	202.564
10	2	431.855	184.550
10	3	432.585	184.550
10	4	432.585	214.550

11	1	432.585	214.550
11	2	432.585	208.920
11	3	449.230	208.920
11	4	449.230	209.467
12	1	432.585	214.550
12	2	432.585	202.575
12	3	434.210	202.590
12	4	442.640	198.790
12	5	444.490	198.120
12	6	450.290	197.050
12	7	451.250	196.940
12	8	452.070	196.940
12	9	452.070	209.100
13	1	452.070	196.940
13	2	452.070	187.100
13	3	452.690	187.100
13	4	452.690	209.100
14	1	452.690	209.100
14	2	452.690	196.940
14	3	453.060	196.940
14	4	454.020	194.600
14	5	454.430	194.550
14	6	454.430	206.600
15	1	454.430	194.550
15	2	454.430	176.600
15	3	455.730	176.600
15	4	455.730	194.511
16	1	455.730	206.600
16	2	455.730	194.511
16	3	460.900	194.460
16	4	467.480	195.010
16	5	468.180	194.460
16	6	470.030	194.500
16	7	471.330	193.500
16	8	478.870	193.420
16	9	493.580	190.280
16	10	505.340	188.320
16	11	518.540	186.030
16	12	530.920	184.370
16	13	535.650	183.260
16	14	555.870	180.450
16	15	559.020	179.820
16	16	566.150	178.930
16	17	575.990	177.310
16	18	594.140	174.310
16	19	595.990	174.130
16	20	606.930	171.690
16	21	618.950	168.800
16	22	628.930	165.920
16	23	631.920	165.220
16	24	631.920	177.757

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
6	Fila 1	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.00
8	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
9	Fila 2	2500.0	18.30	0.00	1.00
10	ARGINE	1900.0	0.40	25.00	0.00
11	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
12	Fila 3	2500.0	18.30	0.00	1.00
13	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
14	Fila 4	2500.0	18.30	0.00	1.00

15	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
16	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	505.75	561.44	364.84
2	464.61	413.86	212.88
3	505.37	475.77	282.55
4	516.68	464.66	274.59
5	479.68	464.14	265.16
6	498.02	469.31	274.59
7	482.54	403.30	206.87
8	470.35	388.11	188.91
9	497.65	422.40	229.84
10	517.23	663.53	467.93
11	505.90	486.05	292.40
12	513.26	520.75	327.46
13	489.71	454.11	257.95
14	511.18	472.42	281.11
15	527.05	488.69	299.79

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	505.75	561.44	364.84	2.225	1
2	464.61	413.86	212.88	2.196	1
3	505.37	475.77	282.55	2.060	1
4	516.68	464.66	274.59	2.127	1
5	479.68	464.14	265.16	2.087	1
6	498.02	469.31	274.59	2.141	1
7	482.54	403.30	206.87	2.073	1
8	470.35	388.11	188.91	2.097	1
9	497.65	422.40	229.84	2.267	1
10	517.23	663.53	467.93	2.052	1
11	505.90	486.05	292.40	2.168	1
12	513.26	520.75	327.46	1.890	1
13	489.71	454.11	257.95	2.215	1
14	511.18	472.42	281.11	2.109	1
15	527.05	488.69	299.79	2.385	1

CERCHIO CRITICO N° 12

Larghezza del concio.....=0.395
 Situazione di carico numero 1
 Coefficiente di sicurezza F =1.890
 Coefficiente di forma =0.07921
 Coefficiente F/Fo =1.04705
 Numero iterazioni = 1
 Precisione =0.00673

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-30.84	0.460	0.120	19.6	74.0	0.0
2	-30.76	0.459	0.120	19.6	221.7	0.0
3	-30.68	0.459	0.120	19.6	358.9	0.0
4	-30.60	0.458	0.120	19.6	451.7	0.0
5	-30.52	0.458	0.120	19.6	543.9	0.0
6	-30.44	0.458	0.120	19.6	635.6	0.0
7	-30.36	0.457	0.120	19.6	726.7	0.0
8	-30.28	0.457	0.120	19.6	817.2	0.0
9	-30.20	0.457	0.008	19.6	889.1	0.0
10	-30.12	0.456	0.008	19.6	939.2	0.0
11	-30.04	0.456	0.008	19.6	989.0	0.0
12	-29.96	0.456	0.008	19.6	1038.4	0.0
13	-29.88	0.455	0.008	19.6	1087.5	0.0
14	-29.80	0.455	0.008	19.6	1136.1	0.0
15	-29.72	0.454	0.008	19.6	1188.5	0.0
16	-29.64	0.454	0.008	19.6	1278.2	0.0
17	-29.56	0.454	0.008	19.6	1367.6	0.0
18	-29.48	0.453	0.008	19.6	1456.6	0.0
19	-29.40	0.453	0.008	19.6	1545.3	0.0
20	-29.32	0.453	0.008	19.6	1633.5	0.0
21	-29.24	0.452	0.008	19.6	1721.4	0.0
22	-29.16	0.452	0.008	19.6	1808.9	0.0
23	-29.09	0.452	0.008	19.6	1896.1	0.0
24	-29.01	0.451	0.008	19.6	1982.9	0.0
25	-28.93	0.451	0.008	19.6	2069.3	0.0
26	-28.85	0.451	0.008	19.6	2155.4	0.0
27	-28.77	0.450	0.008	19.6	2241.1	0.0
28	-28.69	0.450	0.008	19.6	2326.4	0.0
29	-28.61	0.450	0.008	19.6	2411.4	0.0
30	-28.53	0.449	0.008	19.6	2496.0	0.0
31	-28.46	0.449	0.008	19.6	2580.3	0.0
32	-28.38	0.449	0.008	19.6	2664.2	0.0
33	-28.30	0.448	0.008	19.6	2747.7	0.0
34	-28.22	0.448	0.008	19.6	2830.9	0.0
35	-28.14	0.448	0.008	19.6	2913.7	0.0
36	-28.06	0.447	0.008	19.6	2996.2	0.0
37	-27.99	0.447	0.008	19.6	3078.3	0.0
38	-27.91	0.447	0.008	19.6	3160.1	0.0
39	-27.83	0.446	0.008	19.6	3241.5	0.0
40	-27.75	0.446	0.008	19.6	3321.6	0.0
41	-27.67	0.446	0.008	19.6	3413.0	0.0
42	-27.60	0.445	0.008	19.6	3505.2	0.0
43	-27.52	0.445	0.008	19.6	3597.2	0.0
44	-27.44	0.445	0.008	19.6	3688.8	0.0
45	-27.36	0.444	0.008	19.6	3780.0	0.0
46	-27.28	0.444	0.008	19.6	3870.9	0.0
47	-27.21	0.444	0.008	19.6	3961.4	0.0
48	-27.13	0.443	0.008	19.6	4051.6	0.0
49	-27.05	0.443	0.008	19.6	4141.4	0.0
50	-26.97	0.443	0.008	19.6	4230.9	0.0
51	-26.90	0.443	0.008	19.6	4320.1	0.0
52	-26.82	0.442	0.008	19.6	4408.9	0.0
53	-26.74	0.442	0.008	19.6	4497.3	0.0
54	-26.66	0.442	0.008	19.6	4598.4	0.0
55	-26.59	0.441	0.008	19.6	4700.7	0.0
56	-26.51	0.441	0.008	19.6	4802.7	0.0
57	-26.43	0.441	0.008	19.6	4904.4	0.0
58	-26.35	0.440	0.008	19.6	5005.7	0.0
59	-26.28	0.440	0.008	19.6	5106.7	0.0
60	-26.20	0.440	0.008	19.6	5207.3	0.0
61	-26.12	0.440	0.008	19.6	5307.6	0.0
62	-26.05	0.439	0.008	19.6	5407.6	0.0
63	-25.97	0.439	0.008	19.6	5507.2	0.0
64	-25.89	0.439	0.008	19.6	5606.5	0.0
65	-25.82	0.438	0.008	19.6	5705.5	0.0
66	-25.74	0.438	0.008	19.6	5804.1	0.0
67	-25.66	0.438	0.008	19.6	5902.4	0.0

68	-25.59	0.438	0.008	19.6	6000.4	0.0
69	-25.51	0.437	0.008	19.6	6098.0	0.0
70	-25.43	0.437	0.008	19.6	6195.3	0.0
71	-25.36	0.437	0.008	19.6	6292.2	0.0
72	-25.28	0.436	0.008	19.6	6388.9	0.0
73	-25.20	0.436	0.008	19.6	6485.2	0.0
74	-25.13	0.436	0.008	19.6	6581.1	0.0
75	-25.05	0.436	0.008	19.6	6676.8	0.0
76	-24.98	0.435	0.008	19.6	6772.1	0.0
77	-24.90	0.435	0.008	19.6	6867.1	0.0
78	-24.82	0.435	0.008	19.6	6961.7	0.0
79	-24.75	0.435	0.008	19.6	7015.0	0.0
80	-24.67	0.434	0.008	19.6	7047.5	0.0
81	-24.60	0.434	0.008	19.6	7079.6	0.0
82	-24.52	0.434	0.008	19.6	7111.4	0.0
83	-24.44	0.434	0.008	19.6	7142.8	0.0
84	-24.37	0.433	0.008	19.6	7174.0	0.0
85	-24.29	0.433	0.008	19.6	7204.8	0.0
86	-24.22	0.433	0.008	19.6	7235.3	0.0
87	-24.14	0.432	0.008	19.6	7265.5	0.0
88	-24.07	0.432	0.008	19.6	7295.4	0.0
89	-23.99	0.432	0.008	19.6	7324.9	0.0
90	-23.91	0.432	0.008	19.6	7354.1	0.0
91	-23.84	0.431	0.008	19.6	7388.1	0.0
92	-23.76	0.431	0.008	19.6	7398.9	0.0
93	-23.69	0.431	0.008	19.6	7388.3	0.0
94	-23.61	0.431	0.008	19.6	7377.3	0.0
95	-23.54	0.430	0.008	19.6	7366.0	0.0
96	-23.46	0.430	0.008	19.6	7354.5	0.0
97	-23.39	0.430	0.008	19.6	7342.6	0.0
98	-23.31	0.430	0.008	19.6	7330.3	0.0
99	-23.23	0.429	0.008	19.6	7317.8	0.0
100	-23.16	0.429	0.008	19.6	7304.9	0.0
101	-23.09	0.429	0.008	19.6	7291.8	0.0
102	-23.01	0.429	0.008	19.6	7278.3	0.0
103	-22.94	0.429	0.008	19.6	7264.5	0.0
104	-22.86	0.428	0.008	19.6	7248.9	0.0
105	-22.79	0.428	0.008	19.6	7231.5	0.0
106	-22.71	0.428	0.008	19.6	7213.8	0.0
107	-22.64	0.428	0.008	19.6	7195.7	0.0
108	-22.56	0.427	0.008	19.6	7177.4	0.0
109	-22.49	0.427	0.008	19.6	7158.7	0.0
110	-22.41	0.427	0.008	19.6	7139.7	0.0
111	-22.34	0.427	0.008	19.6	7120.4	0.0
112	-22.26	0.426	0.008	19.6	7100.9	0.0
113	-22.19	0.426	0.008	19.6	7081.0	0.0
114	-22.11	0.426	0.008	19.6	7060.8	0.0
115	-22.04	0.426	0.008	19.6	7040.2	0.0
116	-21.96	0.426	0.008	19.6	7021.9	0.0
117	-21.89	0.425	0.008	19.6	7016.9	0.0
118	-21.82	0.425	0.008	19.6	7013.9	0.0
119	-21.74	0.425	0.008	19.6	7010.6	0.0
120	-21.67	0.425	0.008	19.6	7007.0	0.0
121	-21.59	0.424	0.008	19.6	7003.1	0.0
122	-21.52	0.424	0.008	19.6	6998.8	0.0
123	-21.44	0.424	0.000	11.3	7002.4	0.0
124	-21.37	0.424	0.000	11.3	7036.4	0.0
125	-21.30	0.424	0.000	11.3	7070.0	0.0
126	-21.22	0.423	0.000	11.3	7103.2	0.0
127	-21.15	0.423	0.000	11.3	7136.0	0.0
128	-21.07	0.423	0.000	11.3	7168.2	0.0
129	-21.00	0.423	0.000	11.3	7199.6	0.0
130	-20.92	0.423	0.000	13.7	7207.1	0.0
131	-20.85	0.422	0.000	13.7	7198.5	0.0
132	-20.78	0.422	0.000	13.7	7189.5	0.0
133	-20.70	0.422	0.000	13.7	7180.1	0.0
134	-20.63	0.422	0.000	13.7	7170.2	0.0
135	-20.56	0.421	0.000	13.7	7159.9	0.0
136	-20.48	0.421	0.000	13.7	7149.1	0.0
137	-20.41	0.421	0.000	13.7	7137.9	0.0
138	-20.33	0.421	0.000	13.7	7126.3	0.0

139	-20.26	0.421	0.000	13.7	7114.2	0.0
140	-20.19	0.420	0.000	13.7	7101.8	0.0
141	-20.11	0.420	0.000	13.7	7088.8	0.0
142	-20.04	0.420	0.000	13.7	7078.8	0.0
143	-19.97	0.420	0.000	13.7	7096.6	0.0
144	-19.89	0.420	0.000	13.7	7114.0	0.0
145	-19.82	0.420	0.000	13.7	7130.9	0.0
146	-19.75	0.419	0.000	13.7	7147.4	0.0
147	-19.67	0.419	0.000	13.7	7165.4	0.0
148	-19.60	0.419	0.000	13.7	7186.0	0.0
149	-19.53	0.419	0.000	13.7	7206.2	0.0
150	-19.45	0.419	0.000	13.7	7225.9	0.0
151	-19.38	0.418	0.000	13.7	7245.2	0.0
152	-19.31	0.418	0.000	13.7	7264.1	0.0
153	-19.24	0.418	0.000	13.7	7282.6	0.0
154	-19.16	0.418	0.000	13.7	7300.6	0.0
155	-19.09	0.418	0.000	13.7	7313.4	0.0
156	-19.01	0.417	0.000	13.7	7329.1	0.0
157	-18.94	0.417	0.000	13.7	7350.2	0.0
158	-18.87	0.417	0.000	13.7	7370.9	0.0
159	-18.80	0.417	0.000	13.7	7391.2	0.0
160	-18.72	0.417	0.000	13.7	7411.0	0.0
161	-18.65	0.417	0.000	13.7	7430.5	0.0
162	-18.58	0.416	0.000	13.7	7449.5	0.0
163	-18.51	0.416	0.000	13.7	7468.1	0.0
164	-18.43	0.416	0.000	13.7	7486.3	0.0
165	-18.36	0.416	0.000	13.7	7504.0	0.0
166	-18.29	0.416	0.000	13.7	7521.4	0.0
167	-18.21	0.415	0.000	13.7	7538.3	0.0
168	-18.14	0.415	0.000	13.7	7554.8	0.0
169	-18.07	0.415	0.000	13.7	7570.9	0.0
170	-18.00	0.415	0.000	13.7	7713.8	0.0
171	-17.92	0.415	0.000	13.7	7667.7	0.0
172	-17.85	0.415	0.000	13.7	7621.2	0.0
173	-17.78	0.414	0.000	13.7	7574.3	0.0
174	-17.71	0.414	0.000	13.7	7526.9	0.0
175	-17.63	0.414	0.000	13.7	7479.2	0.0
176	-17.56	0.414	0.000	13.7	7431.0	0.0
177	-17.49	0.414	0.000	13.7	7382.5	0.0
178	-17.42	0.414	0.000	13.7	7361.2	0.0
179	-17.34	0.413	0.000	13.7	7449.7	0.0
180	-17.27	0.413	0.000	13.7	7537.7	0.0
181	-17.20	0.413	0.000	13.7	7625.4	0.0
182	-17.13	0.413	0.000	13.7	7712.6	0.0
183	-17.06	0.413	0.000	13.7	7799.5	0.0
184	-16.98	0.413	0.000	13.7	7885.9	0.0
185	-16.91	0.412	0.000	13.7	7971.9	0.0
186	-16.84	0.412	0.000	13.7	8057.5	0.0
187	-16.77	0.412	0.000	13.7	8142.7	0.0
188	-16.69	0.412	0.000	13.7	8227.5	0.0
189	-16.62	0.412	0.000	13.7	8311.9	0.0
190	-16.55	0.412	0.000	13.7	8395.9	0.0
191	-16.48	0.412	0.000	13.7	8479.5	0.0
192	-16.40	0.411	0.000	13.7	8562.6	0.0
193	-16.33	0.411	0.000	13.7	8645.4	0.0
194	-16.26	0.411	0.000	13.7	8727.8	0.0
195	-16.19	0.411	0.000	13.7	8809.7	0.0
196	-16.12	0.411	0.000	13.7	8854.8	0.0
197	-16.05	0.411	0.000	13.7	8740.0	0.0
198	-15.97	0.411	0.000	13.7	8624.8	0.0
199	-15.90	0.410	0.000	13.7	8509.2	0.0
200	-15.83	0.410	0.000	13.7	8393.1	0.0
201	-15.76	0.410	0.000	13.7	8276.7	0.0
202	-15.69	0.410	0.000	13.7	8160.3	0.0
203	-15.61	0.410	0.000	13.7	8150.7	0.0
204	-15.54	0.410	0.000	13.7	8140.8	0.0
205	-15.47	0.409	0.000	13.7	8130.4	0.0
206	-15.40	0.409	0.000	13.7	8119.6	0.0
207	-15.33	0.409	0.000	13.7	8108.5	0.0
208	-15.26	0.409	0.000	13.7	8096.9	0.0
209	-15.19	0.409	0.000	13.7	8132.8	0.0

210	-15.11	0.409	0.000	13.7	8212.9	0.0
211	-15.04	0.409	0.000	13.7	8292.7	0.0
212	-14.97	0.409	18.300	0.0	11015.8	0.0
213	-14.90	0.408	0.000	13.7	8451.0	0.0
214	-14.83	0.408	0.000	13.7	8529.5	0.0
215	-14.76	0.408	0.000	13.7	8361.7	0.0
216	-14.68	0.408	0.000	13.7	8118.3	0.0
217	-14.61	0.408	0.000	13.7	7997.9	0.0
218	-14.54	0.408	0.000	13.7	8074.9	0.0
219	-14.47	0.408	0.000	13.7	8151.4	0.0
220	-14.40	0.407	0.000	13.7	8227.6	0.0
221	-14.33	0.407	18.300	0.0	10925.6	0.0
222	-14.26	0.407	0.000	13.7	8378.8	0.0
223	-14.19	0.407	0.000	13.7	8453.8	0.0
224	-14.12	0.407	0.000	13.7	8528.4	0.0
225	-14.04	0.407	0.000	13.7	8602.7	0.0
226	-13.97	0.407	0.000	13.7	8676.5	0.0
227	-13.90	0.407	0.000	13.7	8727.8	0.0
228	-13.83	0.406	0.000	13.7	8769.5	0.0
229	-13.76	0.406	0.000	13.7	8810.8	0.0
230	-13.69	0.406	0.000	13.7	8851.8	0.0
231	-13.62	0.406	0.000	13.7	8892.3	0.0
232	-13.55	0.406	0.000	13.7	8932.5	0.0
233	-13.47	0.406	0.000	13.7	8899.7	0.0
234	-13.40	0.406	0.000	13.7	8839.2	0.0
235	-13.33	0.406	0.000	13.7	8778.3	0.0
236	-13.26	0.405	0.000	13.7	8717.0	0.0
237	-13.19	0.405	0.000	13.7	8655.3	0.0
238	-13.12	0.405	0.000	13.7	8593.2	0.0
239	-13.05	0.405	0.000	13.7	8545.1	0.0
240	-12.98	0.405	0.000	13.7	8503.7	0.0
241	-12.91	0.405	0.000	13.7	8461.9	0.0
242	-12.84	0.405	0.000	13.7	8419.7	0.0
243	-12.77	0.405	0.000	13.7	8377.2	0.0
244	-12.70	0.405	0.000	13.7	8334.3	0.0
245	-12.62	0.404	0.000	13.7	8291.0	0.0
246	-12.55	0.404	0.000	13.7	8247.3	0.0
247	-12.48	0.404	0.000	13.7	8203.2	0.0
248	-12.41	0.404	0.000	13.7	8158.7	0.0
249	-12.34	0.404	0.000	13.7	8113.9	0.0
250	-12.27	0.404	0.000	13.7	8068.7	0.0
251	-12.20	0.404	0.000	13.7	8023.0	0.0
252	-12.13	0.404	0.000	13.7	7977.0	0.0
253	-12.06	0.404	0.000	13.7	7930.7	0.0
254	-11.99	0.403	0.000	13.7	7883.9	0.0
255	-11.92	0.403	0.000	13.7	7836.8	0.0
256	-11.85	0.403	0.000	13.7	7789.3	0.0
257	-11.78	0.403	0.000	13.7	7741.4	0.0
258	-11.71	0.403	0.000	13.7	7693.1	0.0
259	-11.64	0.403	0.000	13.7	7644.4	0.0
260	-11.57	0.403	0.000	13.7	7595.4	0.0
261	-11.50	0.403	0.000	13.7	7546.0	0.0
262	-11.42	0.403	0.000	13.7	7496.2	0.0
263	-11.35	0.403	0.000	13.7	7446.0	0.0
264	-11.28	0.402	0.000	13.7	7395.4	0.0
265	-11.21	0.402	0.000	13.7	7344.5	0.0
266	-11.14	0.402	0.000	13.7	7293.2	0.0
267	-11.07	0.402	0.000	13.7	7284.6	0.0
268	-11.00	0.402	0.000	13.7	7342.4	0.0
269	-10.93	0.402	0.000	13.7	7399.7	0.0
270	-10.86	0.402	0.000	13.7	7456.7	0.0
271	-10.79	0.402	0.000	13.7	7513.3	0.0
272	-10.72	0.402	18.300	0.0	9959.9	0.0
273	-10.65	0.402	0.000	13.7	7625.3	0.0
274	-10.58	0.401	0.000	13.7	7405.4	0.0
275	-10.51	0.401	0.000	13.7	6849.1	0.0
276	-10.44	0.401	0.000	13.7	6292.3	0.0
277	-10.37	0.401	0.000	13.7	5970.3	0.0
278	-10.30	0.401	18.300	0.0	7926.6	0.0
279	-10.23	0.401	18.300	0.0	7997.1	0.0
280	-10.16	0.401	18.300	0.0	8067.1	0.0

281	-10.09	0.401	0.000	13.7	6183.9	0.0
282	-10.02	0.401	0.000	13.7	6236.3	0.0
283	-9.95	0.401	0.000	13.7	6288.4	0.0
284	-9.88	0.401	0.000	13.7	6340.1	0.0
285	-9.81	0.401	0.000	13.7	6391.5	0.0
286	-9.74	0.400	0.000	13.7	6442.5	0.0
287	-9.67	0.400	0.000	13.7	6493.1	0.0
288	-9.60	0.400	0.000	13.7	6543.3	0.0
289	-9.53	0.400	0.000	13.7	6593.2	0.0
290	-9.46	0.400	0.000	13.7	6642.7	0.0
291	-9.39	0.400	0.000	13.7	6743.4	0.0
292	-9.32	0.400	0.000	13.7	6860.8	0.0
293	-9.25	0.400	0.000	13.7	6977.8	0.0
294	-9.18	0.400	0.000	13.7	7076.8	0.0
295	-9.11	0.400	0.000	13.7	7124.5	0.0
296	-9.04	0.400	0.000	13.7	7171.7	0.0
297	-8.97	0.400	0.000	13.7	7218.6	0.0
298	-8.90	0.399	0.000	13.7	7265.1	0.0
299	-8.83	0.399	0.000	13.7	7311.3	0.0
300	-8.76	0.399	0.000	13.7	7357.1	0.0
301	-8.69	0.399	0.000	13.7	7402.5	0.0
302	-8.62	0.399	0.000	13.7	7447.5	0.0
303	-8.55	0.399	0.000	13.7	7492.2	0.0
304	-8.48	0.399	0.000	13.7	7536.5	0.0
305	-8.41	0.399	0.000	13.7	7580.4	0.0
306	-8.34	0.399	0.000	13.7	7624.0	0.0
307	-8.27	0.399	0.000	13.7	7667.2	0.0
308	-8.20	0.399	0.000	13.7	7710.0	0.0
309	-8.13	0.399	0.000	13.7	7752.5	0.0
310	-8.06	0.399	0.000	13.7	7794.6	0.0
311	-7.99	0.399	0.000	13.7	7834.1	0.0
312	-7.92	0.398	0.000	13.7	7832.5	0.0
313	-7.85	0.398	0.000	13.7	7830.5	0.0
314	-7.78	0.398	0.000	13.7	7828.2	0.0
315	-7.71	0.398	0.000	13.7	7825.5	0.0
316	-7.64	0.398	0.000	13.7	7822.5	0.0
317	-7.57	0.398	0.000	13.7	7819.1	0.0
318	-7.50	0.398	0.000	13.7	7706.4	0.0
319	-7.43	0.398	0.000	13.7	7517.8	0.0
320	-7.36	0.398	0.000	13.7	7328.9	0.0
321	-7.29	0.398	0.000	13.7	7161.1	0.0
322	-7.23	0.398	0.000	13.7	7198.8	0.0
323	-7.16	0.398	0.000	13.7	7236.1	0.0
324	-7.08	0.398	0.000	13.7	7273.1	0.0
325	-7.02	0.398	0.000	13.7	7309.7	0.0
326	-6.95	0.398	0.000	13.7	7345.9	0.0
327	-6.88	0.398	0.000	13.7	7381.8	0.0
328	-6.81	0.397	0.000	13.7	7417.3	0.0
329	-6.74	0.397	0.000	13.7	7452.4	0.0
330	-6.67	0.397	0.000	13.7	7487.2	0.0
331	-6.60	0.397	0.000	13.7	7521.6	0.0
332	-6.53	0.397	0.000	13.7	7555.7	0.0
333	-6.46	0.397	0.000	13.7	7589.4	0.0
334	-6.39	0.397	0.000	13.7	7622.7	0.0
335	-6.32	0.397	0.000	13.7	7655.6	0.0
336	-6.25	0.397	0.000	13.7	7688.2	0.0
337	-6.18	0.397	0.000	13.7	7720.5	0.0
338	-6.11	0.397	0.000	13.7	7752.4	0.0
339	-6.04	0.397	0.000	13.7	7783.9	0.0
340	-5.97	0.397	0.000	13.7	7815.0	0.0
341	-5.90	0.397	0.000	13.7	7845.8	0.0
342	-5.83	0.397	0.000	13.7	7801.2	0.0
343	-5.76	0.397	0.000	13.7	7750.2	0.0
344	-5.69	0.397	0.000	13.7	7698.9	0.0
345	-5.63	0.397	0.000	13.7	7647.2	0.0
346	-5.56	0.397	0.000	13.7	7595.1	0.0
347	-5.49	0.396	0.000	13.7	7542.7	0.0
348	-5.42	0.396	0.000	13.7	7489.9	0.0
349	-5.35	0.396	0.000	13.7	7436.7	0.0
350	-5.28	0.396	0.000	13.7	7383.2	0.0
351	-5.21	0.396	0.000	13.7	7329.3	0.0

352	-5.14	0.396	0.000	13.7	7335.9	0.0
353	-5.07	0.396	0.000	13.7	7389.4	0.0
354	-5.00	0.396	0.000	13.7	7442.5	0.0
355	-4.93	0.396	0.000	13.7	7495.3	0.0
356	-4.86	0.396	0.000	13.7	7531.8	0.0
357	-4.79	0.396	0.000	13.7	7459.9	0.0
358	-4.72	0.396	0.000	13.7	7387.7	0.0
359	-4.66	0.396	0.000	13.7	7315.1	0.0
360	-4.59	0.396	0.000	13.7	7242.2	0.0
361	-4.52	0.396	0.000	13.7	7168.8	0.0
362	-4.45	0.396	0.000	13.7	7095.2	0.0
363	-4.38	0.396	0.000	13.7	7021.1	0.0
364	-4.31	0.396	0.000	13.7	6946.7	0.0
365	-4.24	0.396	0.000	13.7	6872.0	0.0
366	-4.17	0.396	0.000	13.7	6811.6	0.0
367	-4.10	0.396	0.000	13.7	6785.6	0.0
368	-4.03	0.396	0.000	13.7	6759.3	0.0
369	-3.96	0.396	0.000	13.7	6732.6	0.0
370	-3.89	0.396	0.000	13.7	6705.5	0.0
371	-3.82	0.396	0.000	13.7	6678.1	0.0
372	-3.76	0.396	0.000	13.7	6650.3	0.0
373	-3.69	0.395	0.000	13.7	6622.2	0.0
374	-3.62	0.395	0.000	13.7	6593.7	0.0
375	-3.55	0.395	0.000	13.7	6564.8	0.0
376	-3.48	0.395	0.000	13.7	6535.6	0.0
377	-3.41	0.395	0.000	13.7	6506.0	0.0
378	-3.34	0.395	0.000	13.7	6476.1	0.0
379	-3.27	0.395	0.000	13.7	6445.8	0.0
380	-3.20	0.395	0.000	13.7	6415.2	0.0
381	-3.13	0.395	0.000	13.7	6384.2	0.0
382	-3.07	0.395	0.000	13.7	6352.8	0.0
383	-2.99	0.395	0.000	13.7	6321.1	0.0
384	-2.93	0.395	0.000	13.7	6289.0	0.0
385	-2.86	0.395	0.000	13.7	6256.5	0.0
386	-2.79	0.395	0.000	13.7	6223.7	0.0
387	-2.72	0.395	0.000	13.7	6190.6	0.0
388	-2.65	0.395	0.000	13.7	6157.1	0.0
389	-2.58	0.395	0.000	13.7	6123.2	0.0
390	-2.51	0.395	0.000	13.7	6089.0	0.0
391	-2.44	0.395	0.000	13.7	6054.4	0.0
392	-2.37	0.395	0.000	13.7	6019.4	0.0
393	-2.30	0.395	0.000	13.7	5984.1	0.0
394	-2.23	0.395	0.000	13.7	5948.5	0.0
395	-2.16	0.395	0.000	13.7	5912.5	0.0
396	-2.10	0.395	0.000	13.7	5876.1	0.0
397	-2.03	0.395	0.000	13.7	5839.4	0.0
398	-1.96	0.395	0.000	13.7	5802.3	0.0
399	-1.89	0.395	0.000	13.7	5764.8	0.0
400	-1.82	0.395	0.000	13.7	5727.0	0.0
401	-1.75	0.395	0.000	13.7	5688.9	0.0
402	-1.68	0.395	0.000	13.7	5650.3	0.0
403	-1.61	0.395	0.000	13.7	5611.5	0.0
404	-1.54	0.395	0.000	13.7	5572.2	0.0
405	-1.48	0.395	0.000	13.7	5532.6	0.0
406	-1.40	0.395	0.000	13.7	5492.7	0.0
407	-1.34	0.395	0.000	13.7	5451.5	0.0
408	-1.26	0.395	0.000	13.7	5404.5	0.0
409	-1.20	0.395	0.000	13.7	5357.2	0.0
410	-1.13	0.395	0.000	13.7	5309.5	0.0
411	-1.06	0.395	0.000	13.7	5261.4	0.0
412	-0.99	0.395	0.000	13.7	5213.1	0.0
413	-0.92	0.395	0.000	13.7	5164.3	0.0
414	-0.85	0.395	0.000	13.7	5115.2	0.0
415	-0.78	0.395	0.000	13.7	5065.8	0.0
416	-0.71	0.395	0.000	13.7	5015.9	0.0
417	-0.64	0.395	0.000	13.7	4965.8	0.0
418	-0.58	0.395	0.000	13.7	4915.2	0.0
419	-0.51	0.395	0.000	13.7	4864.3	0.0
420	-0.44	0.395	0.000	13.7	4813.1	0.0
421	-0.37	0.395	0.000	13.7	4761.5	0.0
422	-0.30	0.395	0.000	13.7	4709.5	0.0

423	-0.23	0.395	0.000	13.7	4657.2	0.0
424	-0.16	0.395	0.000	13.7	4604.5	0.0
425	-0.09	0.395	0.000	13.7	4551.5	0.0
426	-0.02	0.395	0.000	13.7	4498.1	0.0
427	0.05	0.395	0.000	13.7	4444.4	0.0
428	0.12	0.395	0.000	13.7	4390.3	0.0
429	0.18	0.395	0.000	13.7	4335.8	0.0
430	0.25	0.395	0.000	13.7	4281.0	0.0
431	0.32	0.395	0.000	13.7	4225.8	0.0
432	0.39	0.395	0.000	13.7	4170.3	0.0
433	0.46	0.395	0.000	13.7	4114.4	0.0
434	0.53	0.395	0.000	13.7	4058.2	0.0
435	0.60	0.395	0.000	13.7	4001.6	0.0
436	0.67	0.395	0.000	13.7	3944.6	0.0
437	0.74	0.395	0.000	13.7	3887.4	0.0
438	0.80	0.395	0.000	13.7	3829.7	0.0
439	0.87	0.395	0.000	13.7	3771.6	0.0
440	0.94	0.395	0.000	13.7	3715.8	0.0
441	1.01	0.395	0.000	13.7	3662.7	0.0
442	1.08	0.395	0.000	13.7	3609.1	0.0
443	1.15	0.395	0.000	13.7	3555.2	0.0
444	1.22	0.395	0.000	13.7	3501.0	0.0
445	1.29	0.395	0.000	13.7	3446.3	0.0
446	1.36	0.395	0.000	13.7	3391.4	0.0
447	1.43	0.395	0.000	13.7	3336.0	0.0
448	1.50	0.395	0.000	13.7	3280.4	0.0
449	1.56	0.395	0.000	13.7	3224.3	0.0
450	1.63	0.395	0.000	13.7	3167.9	0.0
451	1.71	0.395	0.000	13.7	3111.2	0.0
452	1.77	0.395	0.000	13.7	3054.1	0.0
453	1.84	0.395	0.000	13.7	2996.6	0.0
454	1.91	0.395	0.000	13.7	2938.8	0.0
455	1.98	0.395	0.000	13.7	2880.6	0.0
456	2.05	0.395	0.000	13.7	2822.0	0.0
457	2.12	0.395	0.000	13.7	2763.1	0.0
458	2.19	0.395	0.000	13.7	2703.9	0.0
459	2.26	0.395	0.000	13.7	2644.2	0.0
460	2.32	0.395	0.000	13.7	2584.3	0.0
461	2.39	0.395	0.000	13.7	2524.0	0.0
462	2.46	0.395	0.000	13.7	2463.3	0.0
463	2.53	0.395	0.000	13.7	2402.2	0.0
464	2.60	0.395	0.000	13.7	2340.8	0.0
465	2.67	0.395	0.000	13.7	2279.0	0.0
466	2.74	0.395	0.000	13.7	2216.9	0.0
467	2.81	0.395	0.000	13.7	2154.5	0.0
468	2.88	0.395	0.000	13.7	2091.6	0.0
469	2.95	0.395	0.000	13.7	2028.4	0.0
470	3.02	0.395	0.000	13.7	1964.9	0.0
471	3.09	0.395	0.000	13.7	1901.0	0.0
472	3.16	0.395	0.000	13.7	1841.6	0.0
473	3.22	0.395	0.000	13.7	1781.9	0.0
474	3.29	0.395	0.000	13.7	1721.9	0.0
475	3.36	0.395	0.000	13.7	1661.5	0.0
476	3.43	0.395	0.000	13.7	1600.7	0.0
477	3.50	0.395	0.000	13.7	1539.6	0.0
478	3.57	0.395	0.000	13.7	1478.2	0.0
479	3.64	0.395	0.000	13.7	1416.3	0.0
480	3.71	0.395	0.000	13.7	1354.1	0.0
481	3.78	0.396	0.000	13.7	1291.6	0.0
482	3.85	0.396	0.000	13.7	1228.7	0.0
483	3.91	0.396	0.000	13.7	1165.4	0.0
484	3.98	0.396	0.000	13.7	1101.8	0.0
485	4.06	0.396	0.000	13.7	1037.8	0.0
486	4.12	0.396	0.000	13.7	973.5	0.0
487	4.19	0.396	0.000	13.7	908.7	0.0
488	4.26	0.396	0.000	13.7	843.7	0.0
489	4.33	0.396	0.000	13.7	778.3	0.0
490	4.40	0.396	0.000	13.7	712.5	0.0
491	4.47	0.396	0.000	13.7	646.3	0.0
492	4.54	0.396	0.000	13.7	579.8	0.0
493	4.61	0.396	0.000	13.7	513.0	0.0

494	4.68	0.396	0.000	13.7	445.7	0.0
495	4.75	0.396	0.000	13.7	378.2	0.0
496	4.82	0.396	0.000	13.7	310.2	0.0
497	4.88	0.396	0.000	13.7	241.9	0.0
498	4.96	0.396	0.000	13.7	173.2	0.0
499	5.02	0.396	0.000	13.7	104.2	0.0
500	5.09	0.396	0.000	13.7	34.8	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	626.4	2344.7	630.7	635.0	-44.2
2	894.4	2104.4	1041.4	700.9	-131.9
3	820.7	1912.7	1430.5	761.8	-212.9
4	788.1	1753.6	1472.8	802.6	-267.1
5	757.7	1626.5	1546.5	843.1	-320.7
6	730.4	1530.9	1618.8	883.1	-373.5
7	708.1	1466.4	1689.3	922.9	-425.6
8	692.1	1432.5	1758.4	962.3	-477.2
9	514.4	1717.5	939.4	437.6	-517.4
10	641.8	2018.4	732.5	459.4	-544.9
11	783.6	2334.8	761.4	481.1	-571.9
12	940.7	2666.4	789.4	502.5	-598.5
13	1113.6	3013.1	816.7	523.7	-624.8
14	1303.0	3374.5	843.2	544.6	-650.6
15	1394.2	3751.7	966.1	567.2	-678.5
16	1380.4	4157.0	1125.1	606.3	-727.3
17	1348.0	4590.0	1213.5	645.2	-775.7
18	1294.4	5050.4	1303.7	683.7	-823.5
19	1217.2	5537.6	1395.7	722.1	-870.7
20	1114.0	6051.5	1489.3	760.1	-917.6
21	982.3	6591.5	1584.8	798.0	-963.8
22	819.9	7157.3	1681.8	835.5	-1009.5
23	624.3	7748.5	1780.5	872.9	-1054.8
24	393.4	8364.6	1880.9	909.9	-1099.4
25	125.2	9005.5	1982.6	946.8	-1143.7
26	-182.9	9670.6	2086.1	983.3	-1187.3
27	-532.7	10359.6	2190.9	1019.7	-1230.6
28	-926.4	11072.2	2297.3	1055.7	-1273.2
29	-1365.8	11807.9	2405.0	1091.6	-1315.4
30	-1853.4	12566.4	2514.3	1127.2	-1357.2
31	-2390.5	13347.3	2624.6	1162.6	-1398.4
32	-2979.6	14150.3	2736.7	1197.7	-1439.1
33	-3621.9	14975.0	2849.5	1232.6	-1479.4
34	-4319.8	15821.1	2964.1	1267.4	-1519.2
35	-5074.5	16688.2	3079.5	1301.8	-1558.5
36	-5888.7	17576.0	3196.7	1336.0	-1597.3
37	-6762.9	18484.1	3314.3	1370.0	-1635.8
38	-7699.9	19412.2	3433.8	1403.8	-1673.6
39	-8700.1	20360.1	3553.6	1437.4	-1711.2
40	-9982.5	21326.8	3852.0	1470.3	-1747.6
41	-11663.9	22315.7	4255.8	1508.0	-1789.8
42	-13464.0	23326.8	4430.4	1546.0	-1832.2
43	-15384.0	24359.5	4605.7	1583.8	-1873.8
44	-17427.2	25413.8	4783.6	1621.4	-1915.4
45	-19596.4	26488.9	4963.6	1658.7	-1956.0
46	-21894.4	27584.8	5145.7	1695.8	-1996.5
47	-24324.8	28701.0	5330.6	1732.7	-2036.4
48	-26889.9	29837.0	5517.2	1769.3	-2075.8
49	-29592.7	30992.9	5706.1	1805.8	-2114.9
50	-32435.5	32167.8	5896.7	1842.0	-2153.2
51	-35421.1	33361.7	6089.5	1878.0	-2191.3
52	-38552.3	34574.2	6284.3	1913.9	-2229.0
53	-42074.4	35804.8	6681.1	1949.4	-2265.9
54	-46503.6	37056.9	7514.1	1990.3	-2309.1
55	-51159.6	38330.5	7787.6	2031.6	-2352.5
56	-56042.8	39625.2	8061.4	2072.7	-2395.6
57	-61158.0	40940.7	8339.0	2113.6	-2438.0

58	-66508.4	42276.4	8619.1	2154.2	-2479.8
59	-72100.1	43632.4	8904.0	2194.7	-2521.5
60	-77935.1	45007.8	9190.7	2234.9	-2562.4
61	-84017.5	46402.5	9480.5	2274.9	-2602.9
62	-90351.9	47816.3	9773.9	2314.8	-2643.2
63	-96941.1	49248.4	10069.6	2354.3	-2682.5
64	-103789.1	50698.7	10368.6	2393.7	-2721.5
65	-110899.6	52166.9	10670.4	2432.9	-2760.3
66	-118274.3	53652.5	10973.5	2471.8	-2798.4
67	-125917.9	55155.4	11280.4	2510.6	-2836.2
68	-133833.2	56674.6	11589.6	2549.0	-2873.0
69	-142023.2	58210.6	11901.1	2587.4	-2910.1
70	-150489.4	59762.4	12213.7	2625.5	-2946.2
71	-159235.2	61329.8	12529.1	2663.4	-2981.9
72	-168267.0	62912.7	12849.6	2701.2	-3017.6
73	-177581.0	64510.5	13166.9	2738.7	-3052.3
74	-187184.1	66122.9	13489.8	2776.0	-3086.8
75	-197077.6	67749.9	13813.7	2813.2	-3121.0
76	-207262.5	69390.5	14138.4	2850.1	-3154.3
77	-217742.8	71045.0	14466.2	2886.8	-3187.7
78	-227812.7	72712.7	14208.2	2923.4	-3220.3
79	-231569.7	74383.7	9015.8	2942.8	-3233.8
80	-235207.2	76052.3	8946.1	2953.4	-3237.1
81	-238783.8	77718.7	8924.6	2963.9	-3240.6
82	-242296.4	79382.9	8900.4	2974.4	-3243.9
83	-245745.5	81044.5	8876.2	2984.6	-3246.6
84	-249132.7	82703.4	8853.1	2994.7	-3249.4
85	-252454.9	84359.6	8827.2	3004.7	-3252.0
86	-255712.9	86012.8	8801.6	3014.6	-3254.3
87	-258905.0	87662.7	8774.3	3024.2	-3256.1
88	-262034.2	89309.6	8749.2	3033.9	-3258.2
89	-265097.4	90953.0	8721.3	3043.3	-3259.7
90	-268095.3	92592.9	8693.6	3052.6	-3261.1
91	-269783.8	94230.1	7633.6	3063.8	-3264.4
92	-265411.2	95859.5	2595.2	3065.5	-3257.5
93	-260660.2	97476.5	2271.7	3058.6	-3241.4
94	-255588.2	99080.8	1995.5	3051.4	-3224.9
95	-250199.6	100672.6	1722.8	3044.2	-3208.5
96	-244496.5	102251.6	1451.2	3036.8	-3191.8
97	-238482.5	103818.0	1182.3	3029.4	-3175.3
98	-232161.3	105371.8	916.1	3021.9	-3158.7
99	-225537.5	106912.7	653.2	3014.2	-3141.7
100	-218614.3	108441.1	392.8	3006.5	-3125.2
101	-211393.7	109956.6	133.5	2998.6	-3108.0
102	-203879.9	111459.2	-122.7	2990.6	-3091.0
103	-196075.1	112949.4	-377.4	2982.6	-3074.2
104	-187981.0	114426.1	-632.3	2973.7	-3056.1
105	-179599.7	115889.6	-887.2	2964.3	-3037.8
106	-170938.5	117339.6	-1136.3	2954.7	-3019.2
107	-162000.7	118776.3	-1383.1	2945.0	-3000.8
108	-152789.0	120199.2	-1628.0	2935.2	-2981.8
109	-143309.2	121608.8	-1868.5	2925.3	-2963.2
110	-133563.9	123005.1	-2107.1	2915.4	-2944.6
111	-123557.2	124387.8	-2342.7	2905.2	-2925.6
112	-113290.3	125757.1	-2577.7	2895.1	-2906.9
113	-102770.9	127112.8	-2806.6	2884.8	-2887.8
114	-92000.1	128455.1	-3035.0	2874.4	-2868.9
115	-80982.1	129784.1	-3260.2	2863.9	-2850.0
116	-70222.6	131100.1	-3059.6	2854.4	-2832.0
117	-60449.4	132405.7	-2237.4	2850.2	-2819.4
118	-50476.5	133701.4	-2408.0	2846.8	-2807.6
119	-40301.6	134987.0	-2581.1	2843.3	-2795.7
120	-29928.6	136262.5	-2750.9	2839.7	-2783.7
121	-19355.7	137528.1	-2922.9	2836.0	-2771.8
122	-8588.5	138783.6	-3090.4	2832.2	-2759.6
123	-4564.5	140673.4	1447.8	1620.4	-2750.4
124	6672.9	142562.6	-2042.5	1626.8	-2753.2
125	18201.6	144451.2	-2168.0	1633.2	-2756.0
126	30024.4	146338.6	-2295.3	1639.5	-2758.2
127	42140.3	148224.8	-2422.3	1645.6	-2760.1
128	54549.5	150109.9	-2549.6	1651.7	-2762.4

129	67253.7	151993.2	-2678.2	1657.6	-2763.6
130	88282.6	153684.2	-8136.0	2004.6	-2755.6
131	107797.7	155363.6	-7251.3	2000.7	-2742.0
132	127690.5	157031.0	-7480.3	1996.6	-2727.8
133	147963.1	158686.5	-7710.9	1992.4	-2713.6
134	168605.7	160330.0	-7936.1	1988.1	-2699.4
135	189616.2	161961.4	-8160.4	1983.7	-2684.9
136	210992.1	163581.0	-8383.4	1979.2	-2670.7
137	232725.5	165188.3	-8602.3	1974.6	-2656.0
138	254811.3	166783.1	-8818.4	1969.8	-2640.9
139	277253.4	168365.8	-9037.2	1965.0	-2626.3
140	300037.2	169936.1	-9247.6	1960.1	-2611.3
141	323164.4	171493.9	-9459.5	1955.0	-2596.1
142	342962.8	173040.1	-7503.4	1950.8	-2582.3
143	360576.6	174580.9	-6205.3	1954.3	-2578.6
144	378426.9	176115.4	-6335.7	1957.5	-2574.2
145	396523.1	177644.2	-6472.1	1960.8	-2570.1
146	414852.9	179167.1	-6601.3	1963.9	-2565.9
147	433415.5	180684.0	-6729.3	1967.4	-2561.8
148	452213.7	182195.8	-6857.5	1971.6	-2558.9
149	471242.7	183702.3	-6983.1	1975.7	-2555.8
150	490510.0	185203.3	-7113.5	1979.7	-2552.4
151	510001.3	186698.4	-7235.7	1983.5	-2548.6
152	529727.6	188187.8	-7364.7	1987.3	-2544.9
153	549685.6	189671.6	-7491.9	1991.0	-2541.2
154	569869.7	191149.4	-7616.3	1994.5	-2537.0
155	590276.1	192619.7	-7741.6	1996.6	-2530.7
156	610902.3	194083.5	-7863.7	1999.5	-2525.7
157	631744.2	195542.0	-7980.1	2003.9	-2522.7
158	652805.0	196994.8	-8098.7	2008.1	-2519.3
159	674084.9	198441.7	-8217.8	2012.3	-2515.6
160	695582.5	199882.6	-8336.4	2016.3	-2511.8
161	717299.3	201317.7	-8456.0	2020.2	-2508.0
162	739226.4	202746.6	-8570.8	2024.0	-2503.8
163	761368.8	204169.3	-8688.7	2027.7	-2499.7
164	783715.2	205585.5	-8800.3	2031.3	-2495.0
165	806273.8	206995.1	-8917.0	2034.8	-2490.2
166	829038.5	208398.2	-9030.4	2038.1	-2485.5
167	852003.6	209794.3	-9140.7	2041.4	-2480.3
168	875170.2	211183.7	-9251.9	2044.5	-2475.2
169	898541.4	212566.2	-9365.2	2047.6	-2470.0
170	922007.4	213964.8	-9338.4	2084.9	-2505.9
171	945922.3	215345.1	-9633.4	2071.1	-2480.2
172	969971.8	216706.8	-9742.5	2057.2	-2454.3
173	994163.8	218050.5	-9856.5	2043.3	-2428.9
174	1018484.1	219375.7	-9962.5	2029.2	-2403.0
175	1042940.0	220682.8	-10072.9	2015.1	-2377.3
176	1067516.9	221971.8	-10175.1	2000.8	-2351.6
177	1092211.1	223242.8	-10275.3	1986.5	-2326.0
178	1092673.3	224500.5	4095.6	1979.6	-2309.1
179	1082516.1	225763.6	10454.1	2002.2	-2326.4
180	1072211.9	227032.1	10595.4	2024.6	-2343.7
181	1061743.5	228305.3	10746.8	2046.9	-2360.4
182	1051118.6	229583.1	10893.5	2069.1	-2376.7
183	1040333.9	230865.3	11041.8	2091.2	-2392.9
184	1029384.2	232151.5	11193.2	2113.1	-2408.4
185	1018262.9	233441.2	11348.2	2134.9	-2423.6
186	1006983.9	234734.6	11494.8	2156.6	-2438.7
187	995531.5	236030.9	11650.5	2178.1	-2453.1
188	983908.7	237330.3	11804.2	2199.5	-2467.6
189	972109.4	238632.2	11961.4	2220.8	-2481.3
190	960142.1	239936.5	12113.3	2241.9	-2495.0
191	947991.6	241242.7	12274.2	2262.9	-2508.0
192	935666.0	242550.5	12429.9	2283.8	-2520.7
193	923167.2	243860.2	12584.4	2304.7	-2533.7
194	910480.7	245171.0	12747.3	2325.3	-2545.7
195	897619.4	246482.8	12902.2	2345.8	-2557.7
196	921959.6	247789.7	-9221.1	2356.5	-2558.5
197	963795.8	249068.9	-19711.1	2324.7	-2513.8
198	1005880.9	250319.8	-19931.5	2292.8	-2468.6
199	1048213.2	251543.4	-20150.9	2260.9	-2424.4

200	1090766.9	252739.3	-20355.4	2228.8	-2379.6
201	1133550.3	253908.4	-20565.0	2196.8	-2335.7
202	1161048.4	255050.5	-11526.7	2164.8	-2291.9
203	1173214.7	256180.6	-2394.0	2161.0	-2277.8
204	1185399.8	257299.2	-2411.5	2157.3	-2264.3
205	1197586.5	258406.0	-2419.0	2153.4	-2250.5
206	1209770.7	259500.9	-2424.4	2149.5	-2236.5
207	1221969.5	260584.2	-2440.2	2145.4	-2222.7
208	1233693.1	261655.6	-2164.0	2141.3	-2208.6
209	1218654.5	262721.3	13828.1	2149.7	-2207.4
210	1203405.4	263787.0	14003.9	2169.8	-2218.0
211	1188000.2	264852.7	14147.0	2189.8	-2228.7
212	1375428.9	224763.5	183000.0	81030.2	-2945.6
213	976843.3	225828.1	243070.1	2229.4	-2248.7
214	985782.2	226891.7	-244.5	2249.0	-2258.0
215	1055114.5	227924.0	-36421.9	2203.7	-2202.6
216	1124886.4	228915.7	-36836.2	2138.5	-2127.5
217	1121853.0	229882.5	6592.0	2105.8	-2085.1
218	1108915.9	230848.8	12558.1	2125.1	-2094.9
219	1095818.5	231813.8	12701.8	2144.2	-2103.7
220	1082576.5	232777.5	12835.9	2163.2	-2112.6
221	1261183.1	192784.8	183000.0	80556.3	-2790.5
222	869852.7	193745.0	239051.7	2200.9	-2129.0
223	859279.5	194703.1	11381.2	2219.6	-2137.0
224	848550.9	195659.1	11520.8	2238.2	-2144.6
225	837671.4	196612.5	11657.3	2256.7	-2152.0
226	828058.3	197563.0	10945.6	2275.0	-2158.7
227	823863.6	198508.5	7734.8	2287.5	-2160.4
228	819573.0	199447.2	7818.5	2297.4	-2158.8
229	815185.5	200379.6	7902.5	2307.2	-2157.7
230	810687.8	201304.9	7994.4	2316.9	-2155.8
231	806090.1	202223.3	8079.9	2326.5	-2154.0
232	806517.0	203134.6	5095.2	2336.0	-2152.0
233	824611.5	204031.4	-5509.1	2326.5	-2132.4
234	842790.7	204911.0	-5597.0	2309.7	-2106.2
235	861017.9	205773.8	-5663.2	2292.8	-2080.5
236	879285.2	206619.4	-5724.9	2275.8	-2054.2
237	897599.9	207448.3	-5791.2	2258.8	-2028.6
238	915105.2	208260.6	-5344.1	2241.7	-2002.8
239	928462.7	209057.8	-2886.2	2228.3	-1980.7
240	941815.4	209840.5	-2908.6	2216.6	-1959.9
241	955171.9	210608.7	-2936.4	2204.8	-1939.1
242	968538.1	211362.7	-2968.0	2193.0	-1918.7
243	981904.9	212102.4	-2994.4	2181.0	-1898.0
244	995269.5	212828.1	-3019.3	2169.0	-1877.7
245	1008632.3	213539.6	-3044.7	2156.9	-1857.0
246	1021988.2	214236.9	-3067.4	2144.7	-1836.4
247	1035347.2	214920.5	-3096.2	2132.4	-1816.1
248	1048692.1	215590.1	-3114.9	2120.1	-1795.5
249	1062029.8	216245.7	-3138.0	2107.6	-1775.0
250	1075366.3	216888.1	-3165.0	2095.1	-1755.1
251	1088683.3	217516.7	-3181.2	2082.5	-1734.6
252	1101992.9	218131.9	-3204.9	2069.8	-1714.5
253	1115285.2	218733.6	-3222.9	2057.1	-1694.1
254	1128566.2	219322.0	-3244.7	2044.2	-1674.1
255	1141823.3	219896.9	-3259.3	2031.3	-1653.8
256	1155073.6	220459.2	-3284.2	2018.3	-1634.1
257	1168296.8	221008.1	-3297.3	2005.1	-1613.9
258	1181499.9	221544.2	-3314.8	1992.0	-1594.0
259	1194688.0	222067.5	-3335.6	1978.7	-1574.2
260	1207847.0	222578.0	-3348.0	1965.4	-1554.4
261	1220985.0	223076.0	-3365.7	1951.9	-1534.6
262	1234090.0	223561.2	-3376.4	1938.4	-1514.7
263	1247174.5	224034.0	-3394.8	1924.8	-1495.0
264	1260234.4	224494.4	-3411.0	1911.1	-1475.4
265	1273259.3	224942.7	-3421.1	1897.3	-1455.9
266	1286256.5	225378.8	-3435.9	1883.5	-1436.4
267	1274488.7	225805.4	11478.3	1880.7	-1425.4
268	1259632.7	226226.4	13375.8	1895.0	-1427.4
269	1244679.8	226641.5	13470.9	1909.2	-1429.1
270	1229635.0	227050.6	13562.8	1923.3	-1430.6

271	1214498.1	227453.5	13654.6	1937.3	-1431.8
272	1327363.2	187736.6	183000.0	78332.8	-1885.4
273	975282.7	188127.0	216916.2	1965.1	-1434.0
274	1085356.1	188496.9	-61922.6	1907.8	-1383.2
275	1202118.9	188830.7	-66303.4	1764.0	-1270.6
276	1319000.5	189129.7	-66721.4	1620.1	-1159.5
277	1321563.6	189405.8	2056.0	1536.8	-1092.3
278	1302408.1	149356.9	183000.0	78120.2	-1440.4
279	1019681.1	109329.1	183000.0	78085.3	-1443.0
280	743184.9	69322.1	183000.0	78050.6	-1445.4
281	463151.4	69577.9	172820.4	1590.0	-1100.3
282	459520.6	69828.2	5958.8	1603.1	-1101.7
283	455817.2	70073.0	6035.1	1616.0	-1103.1
284	452039.6	70311.8	6112.1	1628.9	-1103.8
285	448190.8	70544.8	6187.2	1641.7	-1104.9
286	444269.3	70771.6	6262.8	1654.3	-1105.5
287	440277.3	70992.4	6337.1	1666.9	-1106.1
288	436214.3	71206.8	6411.3	1679.4	-1106.3
289	432082.1	71414.9	6484.3	1691.8	-1106.6
290	426491.2	71616.6	7397.3	1704.1	-1106.7
291	416704.5	71812.9	9996.9	1729.5	-1114.9
292	406830.7	72004.4	10122.1	1759.2	-1125.8
293	396870.6	72190.4	10246.8	1788.8	-1136.1
294	391028.9	72370.6	7816.5	1813.8	-1143.4
295	386483.1	72543.4	7062.3	1825.6	-1142.3
296	381872.0	72708.4	7131.5	1837.2	-1140.8
297	377196.9	72865.8	7199.8	1848.9	-1139.3
298	372459.4	73015.1	7266.8	1860.3	-1137.4
299	367660.3	73156.5	7333.3	1871.8	-1135.5
300	362801.7	73289.7	7398.2	1883.1	-1133.3
301	357885.4	73415.0	7461.8	1894.3	-1131.4
302	352910.6	73531.8	7525.7	1905.5	-1128.8
303	347881.0	73640.2	7587.2	1916.5	-1126.3
304	342795.9	73740.1	7648.8	1927.4	-1123.6
305	337658.4	73831.2	7708.5	1938.3	-1120.5
306	332468.9	73913.5	7767.6	1949.1	-1117.5
307	327229.9	73987.0	7825.1	1959.7	-1114.3
308	321941.3	74051.6	7882.2	1970.3	-1111.0
309	316607.2	74107.2	7936.9	1980.8	-1107.5
310	311227.8	74153.6	7991.1	1991.2	-1103.9
311	307765.5	74190.7	6853.3	2000.9	-1099.8
312	305856.8	74218.0	5910.7	2000.2	-1089.6
313	303907.3	74236.1	5935.2	1999.3	-1079.9
314	301917.4	74244.4	5959.3	1998.4	-1069.6
315	299889.2	74243.5	5981.8	1997.4	-1059.9
316	297823.1	74232.7	6003.9	1996.3	-1049.5
317	297103.8	74212.5	5185.0	1995.1	-1039.4
318	310205.5	74183.2	-3276.9	1966.0	-1014.8
319	323251.6	74145.5	-3358.2	1917.6	-980.7
320	336242.1	74100.0	-3439.6	1869.2	-947.3
321	338029.0	74046.7	3265.5	1826.1	-916.5
322	332178.3	73984.5	7930.5	1835.4	-912.7
323	326297.8	73913.3	7972.6	1844.7	-908.4
324	320389.4	73832.5	8013.3	1853.9	-903.8
325	314454.9	73742.7	8052.7	1862.9	-899.6
326	308497.5	73643.4	8089.9	1871.9	-895.0
327	302517.8	73534.7	8126.6	1880.8	-890.2
328	296517.5	73416.4	8161.9	1889.6	-885.3
329	290497.6	73288.5	8196.5	1898.3	-880.3
330	284461.8	73150.8	8228.6	1907.0	-875.1
331	278411.0	73003.4	8260.0	1915.5	-869.8
332	272347.0	72846.3	8290.0	1924.0	-864.7
333	266273.3	72679.2	8317.8	1932.3	-859.2
334	260190.5	72502.1	8344.9	1940.6	-853.5
335	254100.3	72315.1	8370.7	1948.8	-848.0
336	248006.6	72117.9	8394.1	1956.9	-842.1
337	241909.8	71910.5	8416.9	1964.9	-836.1
338	235811.5	71693.0	8438.5	1972.8	-830.3
339	229716.0	71464.8	8457.4	1980.6	-823.7
340	223622.3	71226.5	8476.5	1988.4	-817.6
341	220255.1	70977.8	6834.7	1996.0	-811.5

342	220520.7	70721.1	4593.9	1984.5	-797.2
343	220751.0	70456.5	4585.1	1971.4	-782.4
344	220946.7	70184.2	4575.6	1958.2	-767.7
345	221110.3	69904.6	4564.4	1944.9	-753.4
346	221240.2	69617.6	4553.8	1931.5	-738.8
347	221337.1	69323.7	4542.7	1918.0	-724.7
348	221403.5	69022.6	4529.8	1904.5	-710.4
349	221435.2	68714.5	4519.3	1890.8	-696.1
350	221434.3	68399.8	4507.1	1877.1	-682.3
351	220894.2	68078.5	4804.2	1863.3	-668.2
352	212719.2	67748.1	9470.6	1864.9	-660.0
353	204598.7	67406.2	9471.5	1878.3	-655.7
354	196520.9	67052.9	9479.3	1891.8	-651.5
355	188488.4	66688.0	9485.4	1905.1	-646.8
356	186222.7	66312.0	5985.9	1914.3	-640.7
357	187280.0	65930.6	3912.4	1895.9	-625.6
358	188295.0	65543.9	3894.7	1877.5	-610.4
359	189267.4	65152.2	3876.9	1859.0	-595.6
360	190199.4	64755.8	3857.7	1840.4	-581.0
361	191090.4	64354.6	3838.5	1821.7	-566.3
362	191939.7	63948.7	3819.6	1802.9	-551.7
363	192747.7	63538.7	3800.1	1784.1	-537.5
364	193515.0	63124.4	3780.1	1765.2	-523.2
365	194241.8	62706.4	3759.8	1746.1	-509.3
366	192210.5	62283.9	5411.1	1730.8	-496.7
367	189496.8	61854.6	5813.6	1724.1	-486.4
368	186783.4	61418.9	5798.2	1717.4	-476.4
369	184070.3	60976.9	5782.6	1710.6	-466.5
370	181358.0	60528.3	5766.5	1703.7	-456.3
371	178646.2	60073.6	5750.2	1696.8	-446.4
372	175937.7	59612.8	5732.1	1689.7	-436.6
373	173231.9	59145.7	5714.1	1682.6	-426.6
374	170528.9	58672.8	5695.8	1675.4	-416.8
375	167830.8	58193.8	5676.0	1668.1	-406.9
376	165136.7	57709.0	5656.5	1660.7	-397.2
377	162449.2	57218.7	5635.2	1653.2	-387.6
378	159767.7	56722.5	5614.0	1645.6	-377.8
379	157092.5	56221.0	5592.5	1637.9	-368.3
380	154425.7	55714.1	5569.4	1630.2	-358.9
381	151766.2	55201.7	5546.8	1622.4	-349.3
382	149115.8	54684.5	5522.8	1614.4	-340.2
383	146475.5	54161.7	5498.1	1606.4	-330.4
384	143845.2	53634.3	5473.0	1598.3	-321.5
385	141225.8	53101.8	5447.3	1590.2	-312.1
386	138617.0	52564.6	5421.5	1581.9	-303.0
387	136021.0	52022.9	5394.1	1573.5	-293.9
388	133436.8	51476.4	5367.2	1565.1	-284.7
389	130866.2	50925.5	5338.8	1556.6	-275.8
390	128309.6	50370.3	5310.1	1548.0	-267.0
391	125767.2	49810.8	5280.9	1539.3	-258.0
392	123239.0	49247.2	5251.6	1530.5	-249.3
393	120726.4	48679.7	5221.1	1521.6	-240.6
394	118231.3	48108.4	5189.2	1512.6	-232.1
395	115751.4	47533.2	5158.5	1503.6	-223.3
396	113288.8	46954.7	5126.3	1494.4	-215.2
397	110844.1	46372.5	5093.5	1485.2	-206.6
398	108418.1	45787.0	5060.0	1475.9	-198.3
399	106010.6	45198.0	5026.4	1466.5	-189.9
400	103622.6	44606.2	4991.9	1457.0	-182.0
401	101253.9	44011.3	4957.4	1447.4	-173.8
402	98905.9	43413.5	4921.7	1437.7	-165.8
403	96578.2	42813.1	4886.0	1428.0	-157.9
404	94272.2	42209.8	4849.3	1418.1	-149.9
405	91987.9	41604.4	4812.2	1408.2	-142.5
406	89726.0	40996.5	4774.7	1398.2	-134.6
407	87666.8	40386.5	4625.2	1387.8	-127.1
408	85720.3	39775.0	4527.6	1376.0	-119.3
409	83789.4	39162.4	4489.5	1364.1	-111.8
410	81875.3	38548.8	4450.5	1352.1	-104.5
411	79978.9	37934.5	4410.6	1340.1	-97.4
412	78100.2	37319.4	4370.6	1327.9	-90.1

413	76238.4	36703.5	4330.8	1315.6	-82.9
414	74395.4	36087.5	4289.6	1303.3	-76.1
415	72570.9	35471.1	4248.4	1290.9	-69.1
416	70764.8	34854.6	4207.0	1278.3	-62.4
417	68977.9	34238.2	4164.8	1265.7	-55.9
418	67210.7	33622.2	4122.2	1253.0	-49.4
419	65463.6	33006.4	4079.0	1240.2	-42.9
420	63736.7	32391.4	4035.5	1227.3	-36.8
421	62030.0	31777.1	3991.9	1214.3	-30.6
422	60344.1	31163.8	3947.6	1201.3	-24.8
423	58675.5	30551.6	3905.2	1188.1	-18.7
424	57036.1	29940.4	3855.3	1174.8	-12.8
425	55414.6	29331.0	3812.1	1161.5	-7.4
426	53814.7	28723.1	3766.3	1148.1	-1.9
427	52237.0	28117.0	3720.1	1134.5	3.6
428	50681.9	27512.8	3673.2	1120.9	8.8
429	49149.4	26910.9	3626.1	1107.2	13.9
430	47639.6	26311.3	3578.8	1093.4	18.9
431	46153.1	25714.2	3530.9	1079.5	23.9
432	44689.7	25119.9	3482.8	1065.5	28.4
433	43250.2	24528.4	3434.1	1051.4	33.1
434	41834.0	23940.1	3385.4	1037.2	37.5
435	40442.0	23355.0	3335.9	1022.9	41.8
436	39073.9	22773.5	3286.4	1008.6	45.9
437	37730.1	22195.6	3236.4	994.1	49.9
438	36410.8	21621.6	3186.1	979.6	53.7
439	35116.1	21051.5	3135.4	964.9	57.6
440	33728.2	20485.4	3159.1	950.8	61.2
441	32368.2	19922.8	3109.4	937.4	64.7
442	31038.4	19364.0	3058.0	923.9	68.1
443	29739.3	18809.1	3006.2	910.3	71.5
444	28470.5	18258.3	2954.2	896.6	74.6
445	27232.5	17711.9	2901.8	882.8	77.6
446	26024.9	17170.1	2849.3	868.9	80.4
447	24848.0	16632.9	2796.5	854.9	83.1
448	23701.7	16100.6	2743.4	840.8	85.7
449	22586.0	15573.6	2690.1	826.7	88.0
450	21500.7	15051.9	2636.8	812.4	90.3
451	20445.6	14535.4	2583.3	798.0	92.6
452	19420.8	14024.8	2529.4	783.6	94.5
453	18426.3	13520.0	2475.5	769.0	96.4
454	17461.8	13021.3	2421.3	754.3	98.1
455	16527.6	12528.9	2366.8	739.6	99.6
456	15623.1	12043.1	2312.4	724.7	100.9
457	14748.3	11564.0	2257.8	709.8	102.1
458	13902.9	11091.7	2203.1	694.8	103.3
459	13086.9	10626.6	2148.2	679.6	104.2
460	12299.9	10168.9	2093.3	664.4	104.9
461	11541.9	9718.7	2038.1	649.0	105.5
462	10812.4	9276.2	1983.1	633.6	106.0
463	10111.3	8841.7	1927.8	618.1	106.3
464	9438.3	8415.4	1872.5	602.4	106.3
465	8793.0	7997.4	1817.2	586.7	106.4
466	8175.2	7588.1	1761.8	570.9	106.1
467	7584.7	7187.7	1706.3	554.9	105.7
468	7021.0	6796.4	1650.8	538.9	105.1
469	6483.7	6414.3	1595.4	522.8	104.5
470	5972.5	6041.7	1539.8	506.5	103.5
471	5472.5	5678.9	1493.4	490.2	102.5
472	4986.8	5325.1	1447.8	475.0	101.5
473	4528.8	4980.5	1393.7	459.8	100.4
474	4098.0	4645.4	1339.6	444.4	99.1
475	3693.6	4319.9	1285.8	429.0	97.6
476	3315.1	4004.4	1232.0	413.4	96.0
477	2961.9	3699.0	1178.4	397.8	94.2
478	2633.3	3403.8	1125.0	382.0	92.2
479	2328.6	3119.3	1071.8	366.1	90.1
480	2047.2	2845.6	1018.7	350.2	87.7
481	1788.3	2582.9	965.9	334.1	85.3
482	1551.2	2331.4	913.3	317.9	82.6
483	1335.0	2091.4	861.0	301.7	79.8

484	1139.0	1863.2	808.8	285.3	76.7
485	962.4	1646.9	757.0	268.8	73.6
486	804.3	1442.7	705.5	252.2	70.2
487	663.9	1251.0	654.2	235.5	66.6
488	540.1	1072.0	603.3	218.7	62.9
489	432.3	905.8	552.7	201.9	58.9
490	339.2	752.8	502.5	184.9	54.8
491	260.1	613.2	452.6	167.8	50.5
492	193.9	487.2	403.2	150.5	46.0
493	139.6	375.1	354.1	133.2	41.4
494	96.1	277.1	305.4	115.8	36.5
495	62.3	193.5	257.2	98.3	31.4
496	37.2	124.5	209.4	80.7	26.1
497	19.6	70.5	162.1	62.9	20.7
498	8.3	31.5	115.3	45.1	15.0
499	2.2	7.9	68.9	27.1	9.2
500	0.0	0.0	23.1	9.1	3.1

Σ				1332136.8	-704855.4
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VERIFICA STABILITA' DEI PENDII

 Sezione L-L - Condizione Statica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici : 0.000
 Coefficiente sismico verticale : 0.000
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
-----	-----	-----	-----
Falda	1	251.420	223.460
Falda	2	260.940	221.950
Falda	3	265.660	221.500
Falda	4	270.910	221.690
Falda	5	280.890	220.580
Falda	6	285.940	220.250
Falda	7	290.930	220.250
Falda	8	295.590	219.850
Falda	9	306.160	217.030
Falda	10	311.210	216.640
Falda	11	315.930	216.570
Falda	12	327.750	216.180
Falda	13	332.670	215.920
Falda	14	340.810	215.980
Falda	15	366.270	214.210
Falda	16	371.000	213.820
Falda	17	376.250	213.290
Falda	18	386.160	213.750
Falda	19	396.390	214.140
Falda	20	402.370	214.210
Falda	21	407.680	214.670
Falda	22	415.560	214.280
Falda	23	418.510	213.490
Falda	24	422.190	213.950
Falda	25	424.880	212.370
Falda	26	427.630	211.450
Falda	27	429.930	211.450
Falda	28	430.390	210.800
Falda	29	435.770	210.400
Falda	30	445.480	206.340
Falda	31	449.220	205.220
Falda	32	453.230	205.150
Falda	33	455.260	202.460
Falda	34	456.710	202.790
Falda	35	470.160	202.590
Falda	36	473.970	201.150
Falda	37	480.530	201.150
Falda	38	484.860	200.100
Falda	39	501.990	196.880
Falda	40	518.530	194.460
Falda	41	541.170	190.850
Falda	42	571.420	186.060
Falda	43	578.380	184.680
Falda	44	584.160	184.150
Falda	45	590.920	182.580
Falda	46	595.970	182.120
Falda	47	606.080	179.890
Falda	48	610.470	179.160

Falda	49	627.210	174.700
Falda	50	628.520	174.700
Falda	51	639.480	171.360
Falda	52	647.030	169.060
Falda	53	649.000	168.800
Falda	54	656.870	165.910
Pendio	1	252.570	230.810
Pendio	2	260.750	235.590
Pendio	3	270.620	236.590
Pendio	4	281.290	237.980
Pendio	5	285.960	238.400
Pendio	6	291.010	239.040
Pendio	7	300.670	241.580
Pendio	8	310.970	242.750
Pendio	9	316.010	243.020
Pendio	10	320.790	242.700
Pendio	11	330.870	240.790
Pendio	12	341.170	240.100
Pendio	13	346.110	239.620
Pendio	14	350.880	238.290
Pendio	15	360.810	236.910
Pendio	16	366.010	236.540
Pendio	17	375.940	236.590
Pendio	18	381.040	235.160
Pendio	19	390.860	230.220
Pendio	20	396.110	227.780
Pendio	21	401.000	224.920
Pendio	22	415.170	218.120
Pendio	23	422.280	218.020
Pendio	24	424.720	216.370
Pendio	25	427.280	215.570
Pendio	26	429.550	215.570
Pendio	27	430.490	214.550
Pendio	28	434.310	214.550
Pendio	29	436.670	214.300
Pendio	30	439.060	213.240
Pendio	31	450.220	209.100
Pendio	32	452.960	209.100
Pendio	33	454.170	206.600
Pendio	34	459.550	206.600
Pendio	35	460.930	206.920
Pendio	36	467.720	206.920
Pendio	37	470.270	206.550
Pendio	38	471.650	205.490
Pendio	39	479.610	205.490
Pendio	40	483.700	204.370
Pendio	41	485.450	204.530
Pendio	42	489.330	203.260
Pendio	43	505.570	200.660
Pendio	44	518.470	198.320
Pendio	45	530.890	196.300
Pendio	46	545.760	194.130
Pendio	47	551.060	193.490
Pendio	48	556.050	192.380
Pendio	49	559.080	192.060
Pendio	50	576.010	189.560
Pendio	51	578.510	189.300
Pendio	52	580.840	188.450
Pendio	53	584.350	188.240
Pendio	54	587.900	187.390
Pendio	55	600.010	185.420
Pendio	56	611.000	183.190
Pendio	57	625.060	179.690
Pendio	58	632.230	177.670
Pendio	59	640.510	175.500
Pendio	60	658.350	169.820
2	1	256.350	233.019
2	2	256.350	231.890
2	3	261.250	234.570
2	4	275.950	236.260
2	5	285.900	237.560

2	6	291.340	237.980
2	7	295.900	239.360
2	8	300.910	240.280
2	9	310.900	241.810
2	10	316.110	241.810
2	11	320.890	241.390
2	12	325.710	240.770
2	13	330.650	239.630
2	14	341.060	239.010
2	15	350.830	237.440
2	16	360.740	235.800
2	17	366.100	235.380
2	18	376.010	235.450
2	19	380.840	234.300
2	20	385.850	231.660
2	21	390.640	229.290
2	22	395.880	226.300
2	23	400.970	223.740
2	24	405.870	221.250
2	25	412.910	218.150
2	26	412.910	219.205
3	1	257.360	232.442
3	2	257.360	231.770
3	3	265.680	228.110
3	4	270.820	225.900
3	5	276.050	223.130
3	6	280.990	222.730
3	7	295.740	221.800
3	8	305.860	218.910
3	9	311.160	218.870
3	10	315.990	218.430
3	11	320.850	218.470
3	12	325.950	218.100
3	13	336.040	218.100
3	14	340.940	217.780
3	15	346.000	217.740
3	16	355.690	217.100
3	17	366.090	216.380
3	18	370.830	215.930
3	19	375.820	215.690
3	20	385.940	215.650
3	21	390.920	215.930
3	22	396.310	216.060
3	23	402.860	216.380
3	24	406.390	216.740
3	25	411.940	217.940
3	26	411.940	218.577
4	1	256.660	232.060
4	2	256.660	230.910
4	3	262.660	228.500
4	4	265.780	226.980
4	5	270.680	224.620
4	6	275.870	222.000
4	7	286.090	221.320
4	8	295.840	221.030
4	9	300.780	219.300
4	10	306.060	218.160
4	11	315.980	217.480
4	12	320.960	217.480
4	13	327.510	217.100
4	14	341.020	217.060
4	15	350.860	216.430
4	16	360.690	215.710
4	17	370.950	214.990
4	18	375.980	214.610
4	19	380.920	214.610
4	20	386.110	214.650
4	21	391.050	215.030
4	22	396.370	215.030
4	23	401.060	215.370
4	24	406.000	215.580

4	25	410.560	216.640
4	26	414.400	217.780
4	27	414.400	218.490
5	1	406.990	215.810
5	2	406.990	214.920
5	3	415.160	208.920
5	4	428.385	208.920
5	5	428.385	215.570
6	1	256.790	230.858
6	2	256.790	216.970
6	3	258.970	216.420
6	4	265.890	216.420
6	5	272.210	215.310
6	6	279.900	215.380
6	7	286.070	214.790
6	8	291.250	213.980
6	9	300.710	213.870
6	10	307.850	213.200
6	11	317.200	210.390
6	12	325.480	210.390
6	13	331.250	209.690
6	14	350.030	209.620
6	15	360.710	209.250
6	16	370.880	208.290
6	17	376.390	207.990
6	18	381.930	207.250
6	19	390.440	207.100
6	20	396.240	207.070
6	21	402.410	207.550
6	22	404.480	207.510
6	23	409.960	206.770
6	24	416.800	205.810
6	25	422.900	205.770
6	26	427.260	203.260
6	27	428.385	203.291
6	28	428.385	208.920
7	1	428.385	203.291
7	2	428.385	189.070
7	3	428.855	189.070
7	4	428.855	215.570
8	1	428.855	215.570
8	2	428.855	208.920
8	3	431.855	208.920
8	4	431.855	214.550
9	1	428.855	215.570
9	2	428.855	203.310
9	3	429.730	203.330
9	4	431.030	202.560
9	5	431.855	202.564
9	6	431.855	208.920
10	1	431.855	202.564
10	2	431.855	184.550
10	3	432.585	184.550
10	4	432.585	214.550
11	1	432.585	214.550
11	2	432.585	208.920
11	3	449.230	208.920
11	4	449.230	209.467
12	1	432.585	214.550
12	2	432.585	202.575
12	3	434.210	202.590
12	4	442.640	198.790
12	5	444.490	198.120
12	6	450.290	197.050
12	7	451.250	196.940
12	8	452.070	196.940
12	9	452.070	209.100
13	1	452.070	196.940
13	2	452.070	187.100
13	3	452.690	187.100
13	4	452.690	209.100

14	1	452.690	209.100
14	2	452.690	196.940
14	3	453.060	196.940
14	4	454.020	194.600
14	5	454.430	194.550
14	6	454.430	206.600
15	1	454.430	194.550
15	2	454.430	176.600
15	3	455.730	176.600
15	4	455.730	194.511
16	1	455.730	206.600
16	2	455.730	194.511
16	3	460.900	194.460
16	4	467.480	195.010
16	5	468.180	194.460
16	6	470.030	194.500
16	7	471.330	193.500
16	8	478.870	193.420
16	9	493.580	190.280
16	10	505.340	188.320
16	11	518.540	186.030
16	12	530.920	184.370
16	13	535.650	183.260
16	14	555.870	180.450
16	15	559.020	179.820
16	16	566.150	178.930
16	17	575.990	177.310
16	18	594.140	174.310
16	19	595.990	174.130
16	20	606.930	171.690
16	21	618.950	168.800
16	22	628.930	165.920
16	23	631.920	165.220
16	24	631.920	177.757

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
6	Fila 1	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.40
8	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
9	Fila 2	2500.0	18.30	0.00	1.00
10	ARGINE	1900.0	0.40	25.00	0.40
11	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
12	Fila 3	2500.0	18.30	0.00	1.00
13	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
14	Fila 4	2500.0	18.30	0.00	1.00
15	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
16	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	505.75	561.44	364.84
2	464.61	413.86	212.88
3	505.37	475.77	282.55
4	516.68	464.66	274.59
5	479.68	464.14	265.16
6	498.02	469.31	274.59
7	482.54	403.30	206.87
8	470.35	388.11	188.91
9	497.65	422.40	229.84

10	517.23	663.53	467.93
11	505.90	486.05	292.40
12	513.26	520.75	327.46
13	489.71	454.11	257.95
14	511.18	472.42	281.11

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	505.75	561.44	364.84	2.025	1
2	464.61	413.86	212.88	2.011	1
3	505.37	475.77	282.55	1.780	1
4	516.68	464.66	274.59	1.782	1
5	479.68	464.14	265.16	1.890	1
6	498.02	469.31	274.59	1.876	1
7	482.54	403.30	206.87	1.813	1
8	470.35	388.11	188.91	1.878	1
9	497.65	422.40	229.84	1.933	1
10	517.23	663.53	467.93	1.861	1
11	505.90	486.05	292.40	1.894	1
12	513.26	520.75	327.46	1.643	1
13	489.71	454.11	257.95	1.963	1
14	511.18	472.42	281.11	1.791	1

CERCHIO CRITICO N° 12

Larghezza del concio.....=0.395

Situazione di carico numero 1

Coefficiente di sicurezza F =1.643

Coefficiente di forma =0.07921

Coefficiente F/Fo =1.04705

Numero iterazioni = 2

Precisione =0.00042

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-30.84	0.460	0.120	19.6	74.0	0.0
2	-30.76	0.459	0.120	19.6	221.7	0.0
3	-30.68	0.459	0.120	19.6	358.9	0.0
4	-30.60	0.458	0.120	19.6	451.7	0.0
5	-30.52	0.458	0.120	19.6	543.9	0.0
6	-30.44	0.458	0.120	19.6	635.6	0.0
7	-30.36	0.457	0.120	19.6	726.7	0.0
8	-30.28	0.457	0.120	19.6	817.2	0.0
9	-30.20	0.457	0.008	19.6	889.1	0.0
10	-30.12	0.456	0.008	19.6	939.2	0.0
11	-30.04	0.456	0.008	19.6	989.0	0.0
12	-29.96	0.456	0.008	19.6	1038.4	0.0
13	-29.88	0.455	0.008	19.6	1087.5	0.0
14	-29.80	0.455	0.008	19.6	1136.1	0.0
15	-29.72	0.454	0.008	19.6	1188.5	0.0

16	-29.64	0.454	0.008	19.6	1278.2	0.0
17	-29.56	0.454	0.008	19.6	1367.6	0.0
18	-29.48	0.453	0.008	19.6	1456.6	0.0
19	-29.40	0.453	0.008	19.6	1545.3	0.0
20	-29.32	0.453	0.008	19.6	1633.5	0.0
21	-29.24	0.452	0.008	19.6	1721.4	0.0
22	-29.16	0.452	0.008	19.6	1808.9	0.0
23	-29.09	0.452	0.008	19.6	1896.1	0.0
24	-29.01	0.451	0.008	19.6	1982.9	0.0
25	-28.93	0.451	0.008	19.6	2069.3	0.0
26	-28.85	0.451	0.008	19.6	2155.4	0.0
27	-28.77	0.450	0.008	19.6	2241.1	0.0
28	-28.69	0.450	0.008	19.6	2326.4	0.0
29	-28.61	0.450	0.008	19.6	2411.4	0.0
30	-28.53	0.449	0.008	19.6	2496.0	0.0
31	-28.46	0.449	0.008	19.6	2580.3	0.0
32	-28.38	0.449	0.008	19.6	2664.2	0.0
33	-28.30	0.448	0.008	19.6	2747.7	0.0
34	-28.22	0.448	0.008	19.6	2830.9	0.0
35	-28.14	0.448	0.008	19.6	2913.7	0.0
36	-28.06	0.447	0.008	19.6	2996.2	0.0
37	-27.99	0.447	0.008	19.6	3078.3	0.0
38	-27.91	0.447	0.008	19.6	3160.1	0.0
39	-27.83	0.446	0.008	19.6	3241.5	0.0
40	-27.75	0.446	0.008	19.6	3321.6	0.0
41	-27.67	0.446	0.008	19.6	3413.0	0.0
42	-27.60	0.445	0.008	19.6	3505.2	0.0
43	-27.52	0.445	0.008	19.6	3597.2	0.0
44	-27.44	0.445	0.008	19.6	3688.8	0.0
45	-27.36	0.444	0.008	19.6	3780.0	0.0
46	-27.28	0.444	0.008	19.6	3870.9	0.0
47	-27.21	0.444	0.008	19.6	3961.4	0.0
48	-27.13	0.443	0.008	19.6	4051.6	0.0
49	-27.05	0.443	0.008	19.6	4141.4	0.0
50	-26.97	0.443	0.008	19.6	4230.9	0.0
51	-26.90	0.443	0.008	19.6	4320.1	0.0
52	-26.82	0.442	0.008	19.6	4408.9	0.0
53	-26.74	0.442	0.008	19.6	4497.3	0.0
54	-26.66	0.442	0.008	19.6	4598.4	0.0
55	-26.59	0.441	0.008	19.6	4700.7	0.0
56	-26.51	0.441	0.008	19.6	4802.7	0.0
57	-26.43	0.441	0.008	19.6	4904.4	0.0
58	-26.35	0.440	0.008	19.6	5005.7	0.0
59	-26.28	0.440	0.008	19.6	5106.7	0.0
60	-26.20	0.440	0.008	19.6	5207.3	0.0
61	-26.12	0.440	0.008	19.6	5307.6	0.0
62	-26.05	0.439	0.008	19.6	5407.6	0.0
63	-25.97	0.439	0.008	19.6	5507.2	0.0
64	-25.89	0.439	0.008	19.6	5606.5	0.0
65	-25.82	0.438	0.008	19.6	5705.5	0.0
66	-25.74	0.438	0.008	19.6	5804.1	0.0
67	-25.66	0.438	0.008	19.6	5902.4	0.0
68	-25.59	0.438	0.008	19.6	6000.4	0.0
69	-25.51	0.437	0.008	19.6	6098.0	0.0
70	-25.43	0.437	0.008	19.6	6195.3	0.0
71	-25.36	0.437	0.008	19.6	6292.2	0.0
72	-25.28	0.436	0.008	19.6	6388.9	0.0
73	-25.20	0.436	0.008	19.6	6485.2	0.0
74	-25.13	0.436	0.008	19.6	6581.1	0.0
75	-25.05	0.436	0.008	19.6	6676.8	0.0
76	-24.98	0.435	0.008	19.6	6772.1	0.0
77	-24.90	0.435	0.008	19.6	6867.1	0.0
78	-24.82	0.435	0.008	19.6	6961.7	0.0
79	-24.75	0.435	0.008	19.6	7015.0	0.0
80	-24.67	0.434	0.008	19.6	7047.5	0.0
81	-24.60	0.434	0.008	19.6	7079.6	0.0
82	-24.52	0.434	0.008	19.6	7111.4	0.0
83	-24.44	0.434	0.008	19.6	7142.8	0.0
84	-24.37	0.433	0.008	19.6	7174.0	0.0
85	-24.29	0.433	0.008	19.6	7204.8	0.0
86	-24.22	0.433	0.008	19.6	7235.3	0.0

87	-24.14	0.432	0.008	19.6	7265.5	0.0
88	-24.07	0.432	0.008	19.6	7295.4	0.0
89	-23.99	0.432	0.008	19.6	7324.9	0.0
90	-23.91	0.432	0.008	19.6	7354.1	0.0
91	-23.84	0.431	0.008	19.6	7388.1	0.0
92	-23.76	0.431	0.008	19.6	7398.9	0.0
93	-23.69	0.431	0.008	19.6	7388.3	0.0
94	-23.61	0.431	0.008	19.6	7377.3	0.0
95	-23.54	0.430	0.008	19.6	7366.0	0.0
96	-23.46	0.430	0.008	19.6	7354.5	0.0
97	-23.39	0.430	0.008	19.6	7342.6	0.0
98	-23.31	0.430	0.008	19.6	7330.3	0.0
99	-23.23	0.429	0.008	19.6	7317.8	0.0
100	-23.16	0.429	0.008	19.6	7304.9	0.0
101	-23.09	0.429	0.008	19.6	7291.8	0.0
102	-23.01	0.429	0.008	19.6	7278.3	0.0
103	-22.94	0.429	0.008	19.6	7264.5	0.0
104	-22.86	0.428	0.008	19.6	7248.9	0.0
105	-22.79	0.428	0.008	19.6	7231.5	0.0
106	-22.71	0.428	0.008	19.6	7213.8	0.0
107	-22.64	0.428	0.008	19.6	7195.7	0.0
108	-22.56	0.427	0.008	19.6	7177.4	0.0
109	-22.49	0.427	0.008	19.6	7158.7	0.0
110	-22.41	0.427	0.008	19.6	7139.7	0.0
111	-22.34	0.427	0.008	19.6	7120.4	0.0
112	-22.26	0.426	0.008	19.6	7100.9	0.0
113	-22.19	0.426	0.008	19.6	7081.0	0.0
114	-22.11	0.426	0.008	19.6	7060.8	0.0
115	-22.04	0.426	0.008	19.6	7040.2	0.0
116	-21.96	0.426	0.008	19.6	7021.9	0.0
117	-21.89	0.425	0.008	19.6	7016.9	0.0
118	-21.82	0.425	0.008	19.6	7013.9	0.0
119	-21.74	0.425	0.008	19.6	7010.6	0.0
120	-21.67	0.425	0.008	19.6	7007.0	0.0
121	-21.59	0.424	0.008	19.6	7003.1	0.0
122	-21.52	0.424	0.008	19.6	6998.8	0.0
123	-21.44	0.424	0.000	11.3	7002.4	0.0
124	-21.37	0.424	0.000	11.3	7036.4	0.0
125	-21.30	0.424	0.000	11.3	7070.0	0.0
126	-21.22	0.423	0.000	11.3	7103.2	0.0
127	-21.15	0.423	0.000	11.3	7136.0	0.0
128	-21.07	0.423	0.000	11.3	7168.2	0.0
129	-21.00	0.423	0.000	11.3	7199.6	0.0
130	-20.92	0.423	0.000	13.7	7207.1	0.0
131	-20.85	0.422	0.000	13.7	7198.5	0.0
132	-20.78	0.422	0.000	13.7	7189.5	0.0
133	-20.70	0.422	0.000	13.7	7180.1	0.0
134	-20.63	0.422	0.000	13.7	7170.2	0.0
135	-20.56	0.421	0.000	13.7	7163.2	0.0
136	-20.48	0.421	0.000	13.7	7176.5	0.0
137	-20.41	0.421	0.000	13.7	7189.2	0.0
138	-20.33	0.421	0.000	13.7	7201.5	0.0
139	-20.26	0.421	0.000	13.7	7213.2	0.0
140	-20.19	0.420	0.000	13.7	7224.4	0.0
141	-20.11	0.420	0.000	13.7	7235.1	0.0
142	-20.04	0.420	0.000	13.7	7248.6	0.0
143	-19.97	0.420	0.000	13.7	7289.8	0.0
144	-19.89	0.420	0.000	13.7	7330.4	0.0
145	-19.82	0.420	0.000	13.7	7370.6	0.0
146	-19.75	0.419	0.000	13.7	7413.2	0.0
147	-19.67	0.419	0.000	13.7	7458.9	0.0
148	-19.60	0.419	0.000	13.7	7507.1	0.0
149	-19.53	0.419	0.000	13.7	7554.8	0.0
150	-19.45	0.419	0.000	13.7	7602.0	0.0
151	-19.38	0.418	0.000	13.7	7648.7	0.0
152	-19.31	0.418	0.000	13.7	7694.9	0.0
153	-19.24	0.418	0.000	13.7	7740.5	0.0
154	-19.16	0.418	0.000	13.7	7785.7	0.0
155	-19.09	0.418	0.000	13.7	7825.5	0.0
156	-19.01	0.417	0.000	13.7	7868.0	0.0
157	-18.94	0.417	0.000	13.7	7916.0	0.0

158	-18.87	0.417	0.000	13.7	7963.4	0.0
159	-18.80	0.417	0.000	13.7	8008.8	0.0
160	-18.72	0.417	0.000	13.7	8046.7	0.0
161	-18.65	0.417	0.000	13.7	8084.2	0.0
162	-18.58	0.416	0.000	13.7	8121.1	0.0
163	-18.51	0.416	0.000	13.7	8157.5	0.0
164	-18.43	0.416	0.000	13.7	8193.4	0.0
165	-18.36	0.416	0.000	13.7	8228.8	0.0
166	-18.29	0.416	0.000	13.7	8263.7	0.0
167	-18.21	0.415	0.000	13.7	8298.1	0.0
168	-18.14	0.415	0.000	13.7	8332.0	0.0
169	-18.07	0.415	0.000	13.7	8365.4	0.0
170	-18.00	0.415	0.000	13.7	8525.5	0.0
171	-17.92	0.415	0.000	13.7	8496.5	0.0
172	-17.85	0.415	0.000	13.7	8467.0	0.0
173	-17.78	0.414	0.000	13.7	8437.0	0.0
174	-17.71	0.414	0.000	13.7	8406.5	0.0
175	-17.63	0.414	0.000	13.7	8375.5	0.0
176	-17.56	0.414	0.000	13.7	8344.1	0.0
177	-17.49	0.414	0.000	13.7	8312.1	0.0
178	-17.42	0.414	0.000	13.7	8307.4	0.0
179	-17.34	0.413	0.000	13.7	8409.3	0.0
180	-17.27	0.413	0.000	13.7	8500.1	0.0
181	-17.20	0.413	0.000	13.7	8590.4	0.0
182	-17.13	0.413	0.000	13.7	8680.2	0.0
183	-17.06	0.413	0.000	13.7	8769.5	0.0
184	-16.98	0.413	0.000	13.7	8858.3	0.0
185	-16.91	0.412	0.000	13.7	8946.6	0.0
186	-16.84	0.412	0.000	13.7	9034.5	0.0
187	-16.77	0.412	0.000	13.7	9139.9	0.0
188	-16.69	0.412	0.000	13.7	9251.2	0.0
189	-16.62	0.412	0.000	13.7	9362.0	0.0
190	-16.55	0.412	0.000	13.7	9472.3	0.0
191	-16.48	0.412	0.000	13.7	9582.2	0.0
192	-16.40	0.411	0.000	13.7	9691.5	0.0
193	-16.33	0.411	0.000	13.7	9800.4	0.0
194	-16.26	0.411	0.000	13.7	9908.7	0.0
195	-16.19	0.411	0.000	13.7	10016.6	0.0
196	-16.12	0.411	0.000	13.7	10069.1	0.0
197	-16.05	0.411	0.000	13.7	9935.7	0.0
198	-15.97	0.411	0.000	13.7	9801.7	0.0
199	-15.90	0.410	0.000	13.7	9667.3	0.0
200	-15.83	0.410	0.000	13.7	9532.4	0.0
201	-15.76	0.410	0.000	13.7	9397.0	0.0
202	-15.69	0.410	0.000	13.7	9261.6	0.0
203	-15.61	0.410	0.000	13.7	9242.3	0.0
204	-15.54	0.410	0.000	13.7	9228.9	0.0
205	-15.47	0.409	0.000	13.7	9214.9	0.0
206	-15.40	0.409	0.000	13.7	9200.5	0.0
207	-15.33	0.409	0.000	13.7	9185.6	0.0
208	-15.26	0.409	0.000	13.7	9170.3	0.0
209	-15.19	0.409	0.000	13.7	9202.3	0.0
210	-15.11	0.409	0.000	13.7	9291.6	0.0
211	-15.04	0.409	0.000	13.7	9388.1	0.0
212	-14.97	0.409	18.300	0.0	13796.1	0.0
213	-14.90	0.408	0.000	13.7	9579.7	0.0
214	-14.83	0.408	0.000	13.7	9674.8	0.0
215	-14.76	0.408	0.000	13.7	9523.4	0.0
216	-14.68	0.408	0.000	13.7	9225.7	0.0
217	-14.61	0.408	0.000	13.7	9086.7	0.0
218	-14.54	0.408	0.000	13.7	9175.2	0.0
219	-14.47	0.408	0.000	13.7	9263.3	0.0
220	-14.40	0.407	0.000	13.7	9350.9	0.0
221	-14.33	0.407	18.300	0.0	13762.1	0.0
222	-14.26	0.407	0.000	13.7	9524.7	0.0
223	-14.19	0.407	0.000	13.7	9610.8	0.0
224	-14.12	0.407	0.000	13.7	9696.5	0.0
225	-14.04	0.407	0.000	13.7	9781.7	0.0
226	-13.97	0.407	0.000	13.7	9866.5	0.0
227	-13.90	0.407	0.000	13.7	9928.6	0.0
228	-13.83	0.406	0.000	13.7	9981.1	0.0

229	-13.76	0.406	0.000	13.7	10033.1	0.0
230	-13.69	0.406	0.000	13.7	10084.4	0.0
231	-13.62	0.406	0.000	13.7	10114.1	0.0
232	-13.55	0.406	0.000	13.7	10143.2	0.0
233	-13.47	0.406	0.000	13.7	10099.4	0.0
234	-13.40	0.406	0.000	13.7	10027.7	0.0
235	-13.33	0.406	0.000	13.7	9955.5	0.0
236	-13.26	0.405	0.000	13.7	9882.9	0.0
237	-13.19	0.405	0.000	13.7	9809.8	0.0
238	-13.12	0.405	0.000	13.7	9736.2	0.0
239	-13.05	0.405	0.000	13.7	9676.6	0.0
240	-12.98	0.405	0.000	13.7	9623.5	0.0
241	-12.91	0.405	0.000	13.7	9570.0	0.0
242	-12.84	0.405	0.000	13.7	9516.0	0.0
243	-12.77	0.405	0.000	13.7	9461.6	0.0
244	-12.70	0.405	0.000	13.7	9406.7	0.0
245	-12.62	0.404	0.000	13.7	9351.3	0.0
246	-12.55	0.404	0.000	13.7	9295.5	0.0
247	-12.48	0.404	0.000	13.7	9239.2	0.0
248	-12.41	0.404	0.000	13.7	9182.4	0.0
249	-12.34	0.404	0.000	13.7	9125.2	0.0
250	-12.27	0.404	0.000	13.7	9067.5	0.0
251	-12.20	0.404	0.000	13.7	9009.4	0.0
252	-12.13	0.404	0.000	13.7	8950.7	0.0
253	-12.06	0.404	0.000	13.7	8891.7	0.0
254	-11.99	0.403	0.000	13.7	8832.1	0.0
255	-11.92	0.403	0.000	13.7	8775.1	0.0
256	-11.85	0.403	0.000	13.7	8722.0	0.0
257	-11.78	0.403	0.000	13.7	8668.5	0.0
258	-11.71	0.403	0.000	13.7	8614.5	0.0
259	-11.64	0.403	0.000	13.7	8560.1	0.0
260	-11.57	0.403	0.000	13.7	8505.2	0.0
261	-11.50	0.403	0.000	13.7	8449.8	0.0
262	-11.42	0.403	0.000	13.7	8394.0	0.0
263	-11.35	0.403	0.000	13.7	8337.7	0.0
264	-11.28	0.402	0.000	13.7	8281.0	0.0
265	-11.21	0.402	0.000	13.7	8240.0	0.0
266	-11.14	0.402	0.000	13.7	8200.0	0.0
267	-11.07	0.402	0.000	13.7	8202.5	0.0
268	-11.00	0.402	0.000	13.7	8271.3	0.0
269	-10.93	0.402	0.000	13.7	8339.7	0.0
270	-10.86	0.402	0.000	13.7	8407.5	0.0
271	-10.79	0.402	0.000	13.7	8475.0	0.0
272	-10.72	0.402	18.300	0.0	12390.9	0.0
273	-10.65	0.402	0.000	13.7	8608.4	0.0
274	-10.58	0.401	0.000	13.7	8399.1	0.0
275	-10.51	0.401	0.000	13.7	7790.9	0.0
276	-10.44	0.401	0.000	13.7	7163.0	0.0
277	-10.37	0.401	0.000	13.7	6769.9	0.0
278	-10.30	0.401	18.300	0.0	9747.6	0.0
279	-10.23	0.401	18.300	0.0	9639.9	0.0
280	-10.16	0.401	18.300	0.0	9682.1	0.0
281	-10.09	0.401	0.000	13.7	6855.2	0.0
282	-10.02	0.401	0.000	13.7	6932.9	0.0
283	-9.95	0.401	0.000	13.7	7010.1	0.0
284	-9.88	0.401	0.000	13.7	7072.6	0.0
285	-9.81	0.401	0.000	13.7	7133.8	0.0
286	-9.74	0.400	0.000	13.7	7194.6	0.0
287	-9.67	0.400	0.000	13.7	7254.9	0.0
288	-9.60	0.400	0.000	13.7	7314.8	0.0
289	-9.53	0.400	0.000	13.7	7374.2	0.0
290	-9.46	0.400	0.000	13.7	7433.2	0.0
291	-9.39	0.400	0.000	13.7	7543.4	0.0
292	-9.32	0.400	0.000	13.7	7670.1	0.0
293	-9.25	0.400	0.000	13.7	7796.3	0.0
294	-9.18	0.400	0.000	13.7	7904.6	0.0
295	-9.11	0.400	0.000	13.7	7961.3	0.0
296	-9.04	0.400	0.000	13.7	8017.6	0.0
297	-8.97	0.400	0.000	13.7	8073.4	0.0
298	-8.90	0.399	0.000	13.7	8128.8	0.0
299	-8.83	0.399	0.000	13.7	8183.7	0.0

300	-8.76	0.399	0.000	13.7	8238.2	0.0
301	-8.69	0.399	0.000	13.7	8292.3	0.0
302	-8.62	0.399	0.000	13.7	8345.9	0.0
303	-8.55	0.399	0.000	13.7	8399.0	0.0
304	-8.48	0.399	0.000	13.7	8451.7	0.0
305	-8.41	0.399	0.000	13.7	8504.0	0.0
306	-8.34	0.399	0.000	13.7	8555.8	0.0
307	-8.27	0.399	0.000	13.7	8607.1	0.0
308	-8.20	0.399	0.000	13.7	8658.1	0.0
309	-8.13	0.399	0.000	13.7	8708.5	0.0
310	-8.06	0.399	0.000	13.7	8758.6	0.0
311	-7.99	0.399	0.000	13.7	8805.9	0.0
312	-7.92	0.398	0.000	13.7	8812.1	0.0
313	-7.85	0.398	0.000	13.7	8817.9	0.0
314	-7.78	0.398	0.000	13.7	8823.2	0.0
315	-7.71	0.398	0.000	13.7	8828.1	0.0
316	-7.64	0.398	0.000	13.7	8832.5	0.0
317	-7.57	0.398	0.000	13.7	8836.5	0.0
318	-7.50	0.398	0.000	13.7	8711.4	0.0
319	-7.43	0.398	0.000	13.7	8507.5	0.0
320	-7.36	0.398	0.000	13.7	8303.1	0.0
321	-7.29	0.398	0.000	13.7	8119.7	0.0
322	-7.23	0.398	0.000	13.7	8141.8	0.0
323	-7.16	0.398	0.000	13.7	8163.5	0.0
324	-7.08	0.398	0.000	13.7	8184.7	0.0
325	-7.02	0.398	0.000	13.7	8205.4	0.0
326	-6.95	0.398	0.000	13.7	8225.7	0.0
327	-6.88	0.398	0.000	13.7	8250.7	0.0
328	-6.81	0.397	0.000	13.7	8293.7	0.0
329	-6.74	0.397	0.000	13.7	8336.2	0.0
330	-6.67	0.397	0.000	13.7	8378.3	0.0
331	-6.60	0.397	0.000	13.7	8420.0	0.0
332	-6.53	0.397	0.000	13.7	8461.2	0.0
333	-6.46	0.397	0.000	13.7	8502.0	0.0
334	-6.39	0.397	0.000	13.7	8542.3	0.0
335	-6.32	0.397	0.000	13.7	8582.2	0.0
336	-6.25	0.397	0.000	13.7	8621.7	0.0
337	-6.18	0.397	0.000	13.7	8660.7	0.0
338	-6.11	0.397	0.000	13.7	8699.3	0.0
339	-6.04	0.397	0.000	13.7	8737.4	0.0
340	-5.97	0.397	0.000	13.7	8775.1	0.0
341	-5.90	0.397	0.000	13.7	8812.4	0.0
342	-5.83	0.397	0.000	13.7	8774.2	0.0
343	-5.76	0.397	0.000	13.7	8729.5	0.0
344	-5.69	0.397	0.000	13.7	8675.5	0.0
345	-5.63	0.397	0.000	13.7	8614.8	0.0
346	-5.56	0.397	0.000	13.7	8553.7	0.0
347	-5.49	0.396	0.000	13.7	8492.2	0.0
348	-5.42	0.396	0.000	13.7	8430.3	0.0
349	-5.35	0.396	0.000	13.7	8367.9	0.0
350	-5.28	0.396	0.000	13.7	8305.0	0.0
351	-5.21	0.396	0.000	13.7	8241.8	0.0
352	-5.14	0.396	0.000	13.7	8238.9	0.0
353	-5.07	0.396	0.000	13.7	8282.8	0.0
354	-5.00	0.396	0.000	13.7	8326.3	0.0
355	-4.93	0.396	0.000	13.7	8371.5	0.0
356	-4.86	0.396	0.000	13.7	8401.7	0.0
357	-4.79	0.396	0.000	13.7	8323.4	0.0
358	-4.72	0.396	0.000	13.7	8244.6	0.0
359	-4.66	0.396	0.000	13.7	8165.4	0.0
360	-4.59	0.396	0.000	13.7	8085.8	0.0
361	-4.52	0.396	0.000	13.7	8005.7	0.0
362	-4.45	0.396	0.000	13.7	7925.2	0.0
363	-4.38	0.396	0.000	13.7	7844.3	0.0
364	-4.31	0.396	0.000	13.7	7762.9	0.0
365	-4.24	0.396	0.000	13.7	7681.1	0.0
366	-4.17	0.396	0.000	13.7	7613.6	0.0
367	-4.10	0.396	0.000	13.7	7580.4	0.0
368	-4.03	0.396	0.000	13.7	7546.8	0.0
369	-3.96	0.396	0.000	13.7	7512.7	0.0
370	-3.89	0.396	0.000	13.7	7478.2	0.0

371	-3.82	0.396	0.000	13.7	7443.3	0.0
372	-3.76	0.396	0.000	13.7	7407.9	0.0
373	-3.69	0.395	0.000	13.7	7372.1	0.0
374	-3.62	0.395	0.000	13.7	7335.9	0.0
375	-3.55	0.395	0.000	13.7	7299.2	0.0
376	-3.48	0.395	0.000	13.7	7262.1	0.0
377	-3.41	0.395	0.000	13.7	7224.6	0.0
378	-3.34	0.395	0.000	13.7	7186.6	0.0
379	-3.27	0.395	0.000	13.7	7148.2	0.0
380	-3.20	0.395	0.000	13.7	7109.4	0.0
381	-3.13	0.395	0.000	13.7	7070.1	0.0
382	-3.07	0.395	0.000	13.7	7030.4	0.0
383	-2.99	0.395	0.000	13.7	6990.3	0.0
384	-2.93	0.395	0.000	13.7	6949.7	0.0
385	-2.86	0.395	0.000	13.7	6908.7	0.0
386	-2.79	0.395	0.000	13.7	6867.2	0.0
387	-2.72	0.395	0.000	13.7	6825.4	0.0
388	-2.65	0.395	0.000	13.7	6783.1	0.0
389	-2.58	0.395	0.000	13.7	6740.3	0.0
390	-2.51	0.395	0.000	13.7	6697.2	0.0
391	-2.44	0.395	0.000	13.7	6653.5	0.0
392	-2.37	0.395	0.000	13.7	6609.5	0.0
393	-2.30	0.395	0.000	13.7	6565.0	0.0
394	-2.23	0.395	0.000	13.7	6520.1	0.0
395	-2.16	0.395	0.000	13.7	6474.8	0.0
396	-2.10	0.395	0.000	13.7	6429.0	0.0
397	-2.03	0.395	0.000	13.7	6382.8	0.0
398	-1.96	0.395	0.000	13.7	6336.8	0.0
399	-1.89	0.395	0.000	13.7	6292.3	0.0
400	-1.82	0.395	0.000	13.7	6247.4	0.0
401	-1.75	0.395	0.000	13.7	6202.1	0.0
402	-1.68	0.395	0.000	13.7	6156.3	0.0
403	-1.61	0.395	0.000	13.7	6110.1	0.0
404	-1.54	0.395	0.000	13.7	6063.5	0.0
405	-1.48	0.395	0.000	13.7	6016.4	0.0
406	-1.40	0.395	0.000	13.7	5968.9	0.0
407	-1.34	0.395	0.000	13.7	5920.0	0.0
408	-1.26	0.395	0.000	13.7	5865.4	0.0
409	-1.20	0.395	0.000	13.7	5810.3	0.0
410	-1.13	0.395	0.000	13.7	5754.7	0.0
411	-1.06	0.395	0.000	13.7	5698.8	0.0
412	-0.99	0.395	0.000	13.7	5642.4	0.0
413	-0.92	0.395	0.000	13.7	5585.6	0.0
414	-0.85	0.395	0.000	13.7	5528.3	0.0
415	-0.78	0.395	0.000	13.7	5470.6	0.0
416	-0.71	0.395	0.000	13.7	5412.5	0.0
417	-0.64	0.395	0.000	13.7	5353.9	0.0
418	-0.58	0.395	0.000	13.7	5295.0	0.0
419	-0.51	0.395	0.000	13.7	5235.5	0.0
420	-0.44	0.395	0.000	13.7	5175.7	0.0
421	-0.37	0.395	0.000	13.7	5115.4	0.0
422	-0.30	0.395	0.000	13.7	5054.7	0.0
423	-0.23	0.395	0.000	13.7	4993.5	0.0
424	-0.16	0.395	0.000	13.7	4932.0	0.0
425	-0.09	0.395	0.000	13.7	4870.0	0.0
426	-0.02	0.395	0.000	13.7	4807.5	0.0
427	0.05	0.395	0.000	13.7	4744.7	0.0
428	0.12	0.395	0.000	13.7	4681.4	0.0
429	0.18	0.395	0.000	13.7	4617.6	0.0
430	0.25	0.395	0.000	13.7	4553.5	0.0
431	0.32	0.395	0.000	13.7	4488.9	0.0
432	0.39	0.395	0.000	13.7	4423.8	0.0
433	0.46	0.395	0.000	13.7	4358.4	0.0
434	0.53	0.395	0.000	13.7	4292.5	0.0
435	0.60	0.395	0.000	13.7	4226.1	0.0
436	0.67	0.395	0.000	13.7	4159.4	0.0
437	0.74	0.395	0.000	13.7	4092.2	0.0
438	0.80	0.395	0.000	13.7	4024.6	0.0
439	0.87	0.395	0.000	13.7	3956.5	0.0
440	0.94	0.395	0.000	13.7	3890.4	0.0
441	1.01	0.395	0.000	13.7	3826.2	0.0

442	1.08	0.395	0.000	13.7	3761.6	0.0
443	1.15	0.395	0.000	13.7	3696.5	0.0
444	1.22	0.395	0.000	13.7	3631.0	0.0
445	1.29	0.395	0.000	13.7	3565.1	0.0
446	1.36	0.395	0.000	13.7	3498.8	0.0
447	1.43	0.395	0.000	13.7	3432.0	0.0
448	1.50	0.395	0.000	13.7	3364.8	0.0
449	1.56	0.395	0.000	13.7	3297.2	0.0
450	1.63	0.395	0.000	13.7	3229.1	0.0
451	1.71	0.395	0.000	13.7	3160.6	0.0
452	1.77	0.395	0.000	13.7	3091.6	0.0
453	1.84	0.395	0.000	13.7	3022.2	0.0
454	1.91	0.395	0.000	13.7	2952.5	0.0
455	1.98	0.395	0.000	13.7	2882.2	0.0
456	2.05	0.395	0.000	13.7	2822.0	0.0
457	2.12	0.395	0.000	13.7	2763.1	0.0
458	2.19	0.395	0.000	13.7	2703.9	0.0
459	2.26	0.395	0.000	13.7	2644.2	0.0
460	2.32	0.395	0.000	13.7	2584.3	0.0
461	2.39	0.395	0.000	13.7	2524.0	0.0
462	2.46	0.395	0.000	13.7	2463.3	0.0
463	2.53	0.395	0.000	13.7	2402.2	0.0
464	2.60	0.395	0.000	13.7	2340.8	0.0
465	2.67	0.395	0.000	13.7	2279.0	0.0
466	2.74	0.395	0.000	13.7	2216.9	0.0
467	2.81	0.395	0.000	13.7	2154.5	0.0
468	2.88	0.395	0.000	13.7	2091.6	0.0
469	2.95	0.395	0.000	13.7	2028.4	0.0
470	3.02	0.395	0.000	13.7	1964.9	0.0
471	3.09	0.395	0.000	13.7	1901.0	0.0
472	3.16	0.395	0.000	13.7	1841.6	0.0
473	3.22	0.395	0.000	13.7	1781.9	0.0
474	3.29	0.395	0.000	13.7	1721.9	0.0
475	3.36	0.395	0.000	13.7	1661.5	0.0
476	3.43	0.395	0.000	13.7	1600.7	0.0
477	3.50	0.395	0.000	13.7	1539.6	0.0
478	3.57	0.395	0.000	13.7	1478.2	0.0
479	3.64	0.395	0.000	13.7	1416.3	0.0
480	3.71	0.395	0.000	13.7	1354.1	0.0
481	3.78	0.396	0.000	13.7	1291.6	0.0
482	3.85	0.396	0.000	13.7	1228.7	0.0
483	3.91	0.396	0.000	13.7	1165.4	0.0
484	3.98	0.396	0.000	13.7	1101.8	0.0
485	4.06	0.396	0.000	13.7	1037.8	0.0
486	4.12	0.396	0.000	13.7	973.5	0.0
487	4.19	0.396	0.000	13.7	908.7	0.0
488	4.26	0.396	0.000	13.7	843.7	0.0
489	4.33	0.396	0.000	13.7	778.3	0.0
490	4.40	0.396	0.000	13.7	712.5	0.0
491	4.47	0.396	0.000	13.7	646.3	0.0
492	4.54	0.396	0.000	13.7	579.8	0.0
493	4.61	0.396	0.000	13.7	513.0	0.0
494	4.68	0.396	0.000	13.7	445.7	0.0
495	4.75	0.396	0.000	13.7	378.2	0.0
496	4.82	0.396	0.000	13.7	310.2	0.0
497	4.88	0.396	0.000	13.7	241.9	0.0
498	4.96	0.396	0.000	13.7	173.2	0.0
499	5.02	0.396	0.000	13.7	104.2	0.0
500	5.09	0.396	0.000	13.7	34.8	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-35.7	-133.7	1150.2	625.3	-44.2
2	-68.6	-422.0	1266.3	690.2	-131.9
3	-145.3	-665.9	1411.6	750.3	-212.9
4	-232.3	-880.1	1494.5	790.5	-267.1
5	-319.8	-1065.1	1569.2	830.4	-320.7
6	-406.1	-1221.2	1642.2	869.9	-373.5

7	-490.3	-1349.1	1714.0	909.0	-425.6
8	-571.0	-1449.0	1784.3	947.9	-477.2
9	-838.7	-1194.1	997.8	431.1	-517.4
10	-766.7	-924.8	766.2	452.6	-544.9
11	-681.7	-641.5	795.9	473.9	-571.9
12	-583.1	-344.4	824.9	495.1	-598.5
13	-470.3	-33.7	853.1	516.0	-624.8
14	-342.6	290.1	880.5	536.6	-650.6
15	-227.5	628.3	933.1	558.9	-678.5
16	-155.9	991.9	1040.3	597.5	-727.3
17	-100.9	1380.4	1125.9	635.8	-775.7
18	-64.8	1793.7	1213.0	673.8	-823.5
19	-49.9	2231.1	1301.7	711.6	-870.7
20	-58.3	2692.5	1392.0	749.2	-917.6
21	-92.3	3177.5	1483.7	786.5	-963.8
22	-153.8	3685.6	1576.8	823.5	-1009.5
23	-245.0	4216.5	1671.5	860.4	-1054.8
24	-367.8	4769.8	1767.4	896.9	-1099.4
25	-524.2	5345.3	1864.8	933.3	-1143.7
26	-716.2	5942.4	1963.4	969.3	-1187.3
27	-945.7	6560.9	2063.5	1005.2	-1230.6
28	-1214.4	7200.4	2164.6	1040.8	-1273.2
29	-1524.1	7860.6	2267.1	1076.2	-1315.4
30	-1876.9	8541.0	2370.9	1111.4	-1357.2
31	-2274.1	9241.5	2475.5	1146.3	-1398.4
32	-2717.7	9961.5	2581.7	1181.0	-1439.1
33	-3208.9	10700.8	2688.5	1215.5	-1479.4
34	-3749.8	11459.0	2796.9	1249.8	-1519.2
35	-4341.5	12235.9	2905.8	1283.8	-1558.5
36	-4986.1	13030.9	3016.3	1317.6	-1597.3
37	-5684.6	13844.0	3127.3	1351.2	-1635.8
38	-6438.8	14674.6	3239.7	1384.6	-1673.6
39	-7249.7	15522.6	3352.6	1417.7	-1711.2
40	-8286.1	16387.2	3601.3	1450.2	-1747.6
41	-9645.3	17271.3	3938.0	1487.5	-1789.8
42	-11110.5	18174.9	4100.0	1525.1	-1832.2
43	-12682.2	19097.5	4262.3	1562.4	-1873.8
44	-14364.0	20038.9	4427.2	1599.6	-1915.4
45	-16157.4	20998.6	4593.3	1636.4	-1956.0
46	-18065.7	21976.4	4761.8	1673.1	-1996.5
47	-20091.4	22972.0	4932.2	1709.6	-2036.4
48	-22236.6	23984.8	5104.1	1745.8	-2075.8
49	-24504.2	25014.8	5278.3	1781.9	-2114.9
50	-26895.7	26061.3	5453.3	1817.7	-2153.2
51	-29413.7	27124.2	5630.6	1853.3	-2191.3
52	-32060.8	28203.2	5809.5	1888.7	-2229.0
53	-35037.7	29297.7	6151.7	1923.8	-2265.9
54	-38773.8	30410.9	6853.6	1964.3	-2309.1
55	-42710.2	31542.5	7102.2	2005.1	-2352.5
56	-46847.6	32692.5	7351.3	2045.8	-2395.6
57	-51189.8	33860.3	7603.3	2086.2	-2438.0
58	-55739.6	35045.4	7857.5	2126.4	-2479.8
59	-60502.4	36247.8	8116.0	2166.5	-2521.5
60	-65479.3	37466.9	8375.2	2206.2	-2562.4
61	-70674.1	38702.4	8637.5	2245.8	-2602.9
62	-76090.9	39954.2	8902.9	2285.2	-2643.2
63	-81731.0	41221.5	9169.4	2324.3	-2682.5
64	-87598.6	42504.0	9439.2	2363.3	-2721.5
65	-93696.8	43801.8	9711.3	2402.1	-2760.3
66	-100026.2	45114.1	9983.9	2440.6	-2798.4
67	-106591.3	46440.9	10260.0	2479.0	-2836.2
68	-113393.4	47781.3	10537.2	2517.1	-2873.0
69	-120436.5	49135.7	10817.4	2555.1	-2910.1
70	-127720.0	50503.3	11097.2	2592.9	-2946.2
71	-135247.4	51883.6	11379.6	2630.4	-2981.9
72	-143024.5	53276.8	11666.7	2667.8	-3017.6
73	-151046.5	54682.2	11949.8	2704.9	-3052.3
74	-159320.1	56099.5	12238.3	2741.9	-3086.8
75	-167846.2	57528.6	12527.3	2778.7	-3121.0
76	-176624.4	58968.8	12816.1	2815.2	-3154.3
77	-185659.1	60420.2	13108.3	2851.7	-3187.7

78	-194348.0	61882.2	12906.5	2887.9	-3220.3
79	-197657.0	63346.0	8541.2	2907.1	-3233.8
80	-200857.0	64806.5	8481.2	2917.7	-3237.1
81	-204001.0	66264.2	8464.2	2928.3	-3240.6
82	-207085.8	67718.8	8444.4	2938.7	-3243.9
83	-210111.2	69169.9	8424.2	2948.9	-3246.6
84	-213079.6	70617.6	8405.6	2959.1	-3249.4
85	-215987.9	72061.8	8384.2	2969.1	-3252.0
86	-218836.8	73502.4	8363.1	2978.9	-3254.3
87	-221624.5	74938.8	8340.2	2988.6	-3256.1
88	-224354.7	76371.4	8320.0	2998.2	-3258.2
89	-227023.7	77799.9	8296.6	3007.6	-3259.7
90	-229632.4	79224.0	8273.6	3016.9	-3261.1
91	-231116.2	80644.7	7377.9	3028.1	-3264.4
92	-227404.8	82057.4	3110.2	3030.0	-3257.5
93	-223362.6	83458.0	2829.8	3023.2	-3241.4
94	-219038.9	84846.4	2589.7	3016.2	-3224.9
95	-214438.9	86222.7	2353.4	3009.2	-3208.5
96	-209563.8	87586.7	2117.8	3002.0	-3191.8
97	-204417.9	88938.6	1885.2	2994.8	-3175.3
98	-199004.5	90278.3	1654.9	2987.5	-3158.7
99	-193327.3	91605.6	1427.3	2980.0	-3141.7
100	-187390.8	92920.9	1203.1	2972.5	-3125.2
101	-181195.3	94223.8	978.7	2964.8	-3108.0
102	-174746.0	95514.3	758.2	2957.0	-3091.0
103	-168045.3	96792.8	539.2	2949.2	-3074.2
104	-161093.8	98058.4	319.2	2940.6	-3056.1
105	-153895.1	99311.5	100.5	2931.3	-3037.8
106	-146454.9	100551.6	-114.0	2921.9	-3019.2
107	-138776.9	101779.1	-325.7	2912.5	-3000.8
108	-130862.8	102993.4	-536.4	2902.9	-2981.8
109	-122719.2	104195.1	-742.0	2893.2	-2963.2
110	-114348.4	105384.0	-946.2	2883.5	-2944.6
111	-105753.5	106560.0	-1148.0	2873.6	-2925.6
112	-96936.7	107723.3	-1348.5	2863.6	-2906.9
113	-87904.3	108873.7	-1544.2	2853.5	-2887.8
114	-78658.2	110011.4	-1738.6	2843.4	-2868.9
115	-69202.1	111136.3	-1930.3	2833.1	-2850.0
116	-59969.3	112249.0	-1760.8	2823.8	-2832.0
117	-51582.5	113351.5	-1063.3	2819.7	-2819.4
118	-43026.8	114444.2	-1206.3	2816.5	-2807.6
119	-34300.5	115527.0	-1351.2	2813.1	-2795.7
120	-25407.3	116599.9	-1493.2	2809.7	-2783.7
121	-16346.2	117663.2	-1636.4	2806.2	-2771.8
122	-7121.7	118716.4	-1776.3	2802.5	-2759.6
123	-5552.8	120486.3	2625.5	1610.5	-2750.4
124	4110.8	122255.0	-1269.7	1617.0	-2753.2
125	14046.9	124022.5	-1385.4	1623.4	-2756.0
126	24258.3	125788.5	-1502.7	1629.6	-2758.2
127	34743.9	127552.6	-1619.7	1635.8	-2760.1
128	45502.7	129315.3	-1736.5	1641.9	-2762.4
129	56537.7	131075.7	-1855.2	1647.7	-2763.6
130	75281.0	132619.5	-6742.9	1990.2	-2755.6
131	92208.3	134152.1	-5687.6	1986.4	-2742.0
132	109480.2	135672.8	-5895.6	1982.4	-2727.8
133	127097.0	137182.0	-6104.1	1978.2	-2713.6
134	145050.2	138679.4	-6307.9	1974.0	-2699.4
135	163318.9	140167.1	-6502.8	1968.3	-2686.2
136	181807.7	141658.3	-6660.3	1954.0	-2680.9
137	200651.0	143152.4	-6896.8	1939.6	-2675.1
138	219848.7	144649.0	-7133.5	1925.1	-2668.8
139	239407.7	146148.5	-7374.4	1910.7	-2662.8
140	259320.7	147650.4	-7611.4	1896.1	-2656.4
141	279593.3	149154.5	-7851.9	1881.5	-2649.6
142	297028.4	150661.5	-6217.4	1867.8	-2644.2
143	312616.4	152176.8	-5146.3	1861.7	-2648.8
144	328470.7	153699.6	-5313.8	1855.5	-2652.5
145	344601.1	155230.2	-5487.3	1849.3	-2656.5
146	360987.3	156770.0	-5651.7	1841.8	-2661.3
147	377642.3	158320.1	-5824.3	1834.1	-2666.7
148	394581.1	159880.8	-6004.3	1827.1	-2673.2

149	411803.7	161452.1	-6184.4	1820.1	-2679.4
150	429320.0	163033.5	-6370.6	1813.0	-2685.3
151	447120.7	164624.5	-6551.7	1805.8	-2690.5
152	465218.3	166225.2	-6740.1	1798.6	-2695.8
153	483612.8	167835.5	-6929.0	1791.3	-2701.0
154	502303.5	169454.9	-7117.6	1784.0	-2705.6
155	521290.0	171081.9	-7309.1	1775.2	-2707.9
156	540571.9	172717.2	-7498.8	1767.4	-2711.4
157	560149.0	174361.9	-7684.9	1761.0	-2716.9
158	580027.8	176015.4	-7875.3	1754.6	-2721.8
159	600216.1	177676.5	-8069.1	1748.7	-2725.9
160	620729.6	179340.9	-8266.2	1745.6	-2727.3
161	641533.2	181008.6	-8443.0	1742.5	-2728.7
162	662621.8	182679.2	-8616.9	1739.2	-2729.5
163	684000.5	184352.7	-8794.1	1735.9	-2730.4
164	705661.6	186028.5	-8967.0	1732.5	-2730.7
165	727613.5	187706.5	-9145.2	1729.1	-2730.7
166	749852.1	189386.7	-9321.0	1725.6	-2730.8
167	772374.4	191068.5	-9495.5	1722.0	-2730.3
168	795182.2	192752.2	-9671.1	1718.3	-2729.9
169	818280.3	194437.3	-9849.9	1714.6	-2729.2
170	841572.3	196144.4	-9897.0	1745.0	-2769.5
171	865374.8	197842.5	-10242.1	1724.7	-2748.3
172	889409.1	199531.5	-10423.4	1704.3	-2726.6
173	913683.2	201211.8	-10609.4	1683.9	-2705.6
174	938187.0	202882.7	-10789.8	1663.4	-2683.8
175	962927.3	204544.6	-10974.5	1642.9	-2662.2
176	987892.8	206197.4	-11152.6	1622.3	-2640.6
177	1013081.3	207841.1	-11329.8	1601.7	-2618.9
178	1015724.7	209479.8	1946.8	1588.5	-2605.8
179	1008436.7	211128.2	7850.1	1605.8	-2626.1
180	1000988.0	212780.4	7996.0	1627.3	-2643.0
181	993313.9	214435.7	8180.2	1648.7	-2659.1
182	985421.1	216093.7	8360.2	1669.9	-2674.8
183	977306.4	217754.5	8542.0	1691.2	-2690.5
184	968965.6	219417.3	8726.3	1712.3	-2705.4
185	960392.1	221081.9	8914.3	1733.3	-2719.9
186	951598.9	222748.2	9094.5	1754.2	-2734.4
187	942524.2	224425.4	9295.2	1767.8	-2753.5
188	933238.9	226116.8	9448.1	1778.8	-2774.6
189	923766.5	227821.9	9587.2	1789.7	-2794.8
190	914111.6	229540.5	9723.3	1800.6	-2814.9
191	904257.3	231271.8	9869.3	1811.3	-2834.2
192	894208.3	233015.5	10012.5	1822.0	-2853.0
193	883962.9	234772.0	10156.5	1832.6	-2872.2
194	873506.1	236539.9	10309.3	1843.1	-2890.2
195	862846.4	238319.5	10456.9	1853.5	-2908.1
196	888332.3	240095.4	-10929.0	1861.5	-2909.3
197	930990.3	241834.2	-21154.9	1837.6	-2857.7
198	973993.1	243535.6	-21415.1	1813.6	-2805.5
199	1017332.9	245200.3	-21670.6	1789.6	-2754.4
200	1060981.8	246828.0	-21910.1	1765.5	-2702.6
201	1104942.2	248419.7	-22150.9	1741.4	-2651.9
202	1133978.5	249975.2	-13358.0	1717.3	-2601.2
203	1147952.1	251512.2	-4424.4	1717.8	-2582.9
204	1161921.0	253034.5	-4425.3	1715.7	-2567.0
205	1175899.1	254541.9	-4434.5	1713.5	-2550.6
206	1189881.4	256034.2	-4441.1	1711.2	-2534.2
207	1203884.4	257511.6	-4457.5	1709.0	-2518.0
208	1217422.7	258974.0	-4186.0	1706.6	-2501.4
209	1204400.4	260426.4	11608.5	1716.7	-2497.7
210	1191063.2	261880.3	11837.0	1733.4	-2509.3
211	1177499.1	263339.8	12006.5	1746.9	-2523.1
212	1396119.8	217692.1	183000.0	81030.2	-3689.1
213	943878.4	219161.1	272739.5	1773.7	-2549.0
214	954443.6	220634.3	-2230.8	1787.0	-2561.2
215	1023991.7	222086.1	-37406.9	1735.7	-2508.6
216	1094406.4	223473.4	-38025.6	1692.4	-2417.7
217	1093524.1	224827.2	4309.5	1667.4	-2369.0
218	1082801.4	226183.2	10198.5	1682.3	-2380.4
219	1071872.8	227540.6	10358.2	1697.1	-2390.7

220	1060751.9	228899.4	10509.8	1711.8	-2401.0
221	1269271.1	183366.2	183000.0	80556.3	-3515.0
222	825188.3	184726.3	268292.5	1740.9	-2420.2
223	817042.0	186087.0	8849.4	1755.4	-2429.5
224	808689.7	187447.8	9008.3	1769.8	-2438.4
225	800134.8	188808.4	9165.0	1784.1	-2446.9
226	792744.5	190168.2	8507.3	1798.4	-2454.8
227	790539.5	191525.7	5440.5	1806.8	-2457.6
228	788215.5	192879.1	5527.6	1812.7	-2457.1
229	785770.9	194228.9	5615.7	1818.6	-2457.1
230	783194.2	195574.1	5710.5	1824.4	-2456.0
231	780553.0	196904.6	5784.0	1838.5	-2449.9
232	782759.1	198220.3	2928.2	1852.5	-2443.6
233	802225.4	199515.2	-7375.9	1847.5	-2419.8
234	821802.1	200787.2	-7469.2	1835.4	-2389.5
235	841456.4	202036.6	-7543.2	1823.3	-2359.6
236	861180.4	203262.9	-7612.7	1811.0	-2329.0
237	880978.5	204466.9	-7684.9	1798.7	-2299.2
238	900003.1	205648.4	-7251.4	1786.4	-2269.2
239	914940.6	206808.9	-4830.6	1777.7	-2242.9
240	929880.3	207948.7	-4847.1	1770.9	-2218.0
241	944828.0	209067.8	-4867.2	1763.9	-2193.1
242	959788.4	210166.6	-4890.3	1756.9	-2168.6
243	974752.4	211244.8	-4908.1	1749.9	-2143.7
244	989715.7	212302.9	-4923.5	1742.8	-2119.3
245	1004678.4	213340.7	-4939.1	1735.6	-2094.5
246	1019634.1	214358.1	-4951.2	1728.4	-2069.8
247	1034592.0	215355.6	-4968.7	1721.1	-2045.4
248	1049534.3	216332.9	-4975.9	1713.8	-2020.8
249	1064466.9	217290.2	-4986.8	1706.4	-1996.2
250	1079394.6	218228.1	-5000.6	1699.0	-1972.4
251	1094299.2	219146.2	-5003.8	1691.4	-1947.9
252	1109191.3	220044.7	-5013.4	1683.9	-1923.8
253	1124060.6	220923.5	-5017.1	1676.3	-1899.4
254	1138911.7	221783.0	-5023.6	1668.6	-1875.4
255	1153727.1	222624.2	-5022.6	1659.7	-1851.8
256	1168527.8	223450.0	-5038.1	1649.1	-1829.8
257	1183311.1	224259.6	-5052.3	1638.3	-1807.2
258	1198082.9	225053.5	-5070.1	1627.6	-1784.9
259	1212848.3	225831.9	-5091.2	1616.8	-1762.7
260	1227592.3	226594.7	-5103.4	1605.9	-1740.6
261	1242323.0	227342.0	-5120.6	1595.0	-1718.4
262	1257027.6	228073.6	-5130.4	1584.0	-1696.1
263	1271718.2	228790.0	-5147.5	1572.9	-1674.1
264	1286390.3	229491.1	-5162.2	1561.8	-1652.1
265	1301015.4	230184.2	-5174.5	1544.4	-1633.4
266	1315658.6	230869.9	-5227.2	1526.4	-1615.0
267	1304933.9	231549.7	9983.4	1519.5	-1605.0
268	1291031.2	232226.4	11917.9	1529.6	-1608.0
269	1277005.7	232899.5	12018.3	1539.7	-1610.6
270	1262861.8	233569.0	12116.1	1549.7	-1613.0
271	1248598.4	234234.5	12214.3	1559.6	-1615.1
272	1381139.0	188885.6	183000.0	78332.8	-2345.6
273	980370.6	189542.9	244516.6	1579.3	-1618.9
274	1092934.9	190187.3	-64097.2	1518.3	-1568.8
275	1212653.4	190783.1	-68697.1	1395.1	-1445.3
276	1332705.3	191324.1	-69180.4	1279.3	-1319.9
277	1336961.7	191817.7	309.3	1223.7	-1238.6
278	1318135.8	146024.0	183000.0	78120.2	-1771.3
279	996741.6	100219.8	183000.0	78085.3	-1739.5
280	682243.4	54432.0	183000.0	78050.6	-1734.7
281	363617.2	54844.1	194857.4	1326.5	-1219.7
282	362130.2	55259.0	4019.8	1330.0	-1224.7
283	360599.3	55676.9	4055.5	1333.3	-1229.7
284	359025.6	56091.1	4103.5	1342.1	-1231.4
285	357368.4	56501.6	4176.5	1351.2	-1233.2
286	355625.0	56908.0	4251.1	1360.1	-1234.5
287	353795.6	57310.3	4325.3	1369.0	-1235.9
288	351880.0	57708.1	4399.6	1377.9	-1236.8
289	349878.3	58101.5	4473.7	1386.6	-1237.7
290	346651.3	58490.3	5234.3	1395.4	-1238.4

291	339934.4	58874.5	7391.5	1417.2	-1247.1
292	333077.5	59254.3	7539.6	1443.3	-1258.6
293	326079.6	59629.0	7688.1	1469.4	-1269.3
294	322437.9	59998.5	5716.6	1490.9	-1277.2
295	319833.3	60362.1	5112.3	1499.2	-1276.5
296	317143.3	60719.5	5185.2	1507.6	-1275.3
297	314367.5	61070.8	5258.1	1515.8	-1274.2
298	311507.9	61415.4	5329.7	1524.0	-1272.6
299	308563.8	61753.6	5401.6	1532.1	-1271.0
300	305537.6	62084.8	5471.9	1540.2	-1269.0
301	302429.3	62409.6	5542.1	1548.2	-1267.4
302	299239.6	62727.0	5611.7	1556.1	-1264.9
303	295969.9	63037.4	5680.3	1564.0	-1262.6
304	292620.1	63340.4	5749.0	1571.8	-1260.0
305	289192.6	63635.6	5816.0	1579.5	-1257.0
306	285686.9	63923.3	5883.2	1587.2	-1254.1
307	282105.2	64203.2	5948.9	1594.8	-1250.9
308	278447.6	64475.2	6014.5	1602.4	-1247.6
309	274717.1	64739.1	6078.0	1609.9	-1244.1
310	270913.8	64994.8	6141.4	1617.3	-1240.4
311	268768.7	65242.1	5156.0	1624.1	-1236.2
312	267974.1	65481.3	4331.6	1620.5	-1225.9
313	267132.8	65713.0	4352.5	1616.8	-1216.1
314	266247.0	65936.4	4371.8	1613.1	-1205.6
315	265316.4	66152.2	4391.3	1609.3	-1195.7
316	264343.2	66359.7	4409.3	1605.5	-1185.0
317	264571.3	66559.1	3673.6	1601.5	-1174.6
318	277296.3	66745.9	-3953.7	1577.4	-1147.2
319	290023.6	66921.1	-4056.1	1535.1	-1109.8
320	302754.5	67085.4	-4159.4	1492.7	-1073.2
321	305336.5	67238.2	1904.0	1455.8	-1039.1
322	300947.2	67374.6	6167.8	1471.1	-1032.2
323	296465.6	67494.5	6261.7	1486.4	-1024.9
324	291895.3	67597.2	6353.5	1501.7	-1017.1
325	287238.8	67683.5	6443.5	1516.9	-1009.8
326	282502.2	67752.8	6529.8	1532.0	-1002.1
327	277680.0	67807.0	6614.6	1545.1	-995.0
328	272762.4	67852.5	6688.4	1551.1	-989.9
329	267803.7	67889.1	6729.2	1557.1	-984.7
330	262807.2	67916.8	6767.8	1563.0	-979.3
331	257773.6	67935.3	6805.8	1568.8	-973.7
332	252704.1	67944.9	6843.0	1574.6	-968.3
333	247602.4	67945.2	6877.8	1580.3	-962.5
334	242468.6	67936.1	6912.3	1585.9	-956.5
335	237303.9	67917.7	6946.1	1591.5	-950.7
336	232112.4	67889.7	6977.1	1597.1	-944.4
337	226894.2	67851.9	7008.1	1602.5	-937.9
338	221650.1	67804.5	7038.2	1608.0	-931.7
339	216385.2	67746.8	7065.4	1613.3	-924.6
340	211097.1	67679.4	7093.7	1618.6	-918.1
341	208387.6	67602.1	5539.1	1623.9	-911.4
342	209134.2	67518.4	3404.3	1610.0	-896.6
343	209855.7	67428.8	3383.4	1594.6	-881.3
344	210570.0	67330.3	3359.6	1582.5	-865.1
345	211264.1	67221.5	3349.2	1572.7	-848.7
346	211919.5	67102.0	3349.9	1562.8	-832.1
347	212535.9	66972.4	3350.5	1552.9	-815.9
348	213116.4	66832.6	3349.3	1542.9	-799.5
349	213656.3	66682.5	3350.6	1532.9	-783.3
350	214157.6	66522.8	3350.7	1522.8	-767.4
351	214125.5	66353.2	3652.1	1512.6	-751.4
352	206617.5	66170.3	8222.2	1517.8	-741.3
353	199125.3	65970.6	8255.3	1535.0	-735.0
354	191630.8	65754.4	8299.4	1552.1	-728.8
355	184135.1	65522.0	8340.8	1568.3	-722.4
356	182283.4	65274.6	4927.7	1580.0	-714.7
357	183686.6	65020.2	2904.9	1564.2	-698.0
358	185050.9	64758.7	2891.1	1548.3	-681.2
359	186375.1	64490.5	2877.8	1532.4	-664.9
360	187661.6	64215.9	2862.9	1516.4	-648.7
361	188909.7	63934.8	2848.2	1500.4	-632.4

362	190118.5	63647.2	2834.1	1484.3	-616.2
363	191288.0	63353.8	2819.7	1468.1	-600.5
364	192418.9	63054.5	2804.7	1451.9	-584.7
365	193510.9	62749.7	2789.8	1435.6	-569.3
366	191836.1	62438.4	4450.5	1423.0	-555.2
367	189469.3	62117.7	4865.1	1419.2	-543.4
368	187089.3	61787.9	4864.5	1415.3	-531.9
369	184696.6	61449.0	4863.5	1411.4	-520.5
370	182292.0	61101.0	4862.0	1407.4	-508.9
371	179875.3	60744.2	4860.4	1403.3	-497.6
372	177449.3	60378.6	4856.8	1399.2	-486.3
373	175014.1	60004.1	4853.2	1395.0	-474.9
374	172569.3	59621.1	4849.6	1390.8	-463.7
375	170117.7	59229.3	4844.1	1386.5	-452.4
376	167658.4	58829.2	4839.1	1382.1	-441.4
377	165194.2	58420.8	4832.1	1377.7	-430.4
378	162724.9	58004.0	4825.2	1373.2	-419.3
379	160250.6	57579.1	4818.0	1368.7	-408.5
380	157773.8	57146.3	4809.1	1364.1	-397.7
381	155293.8	56705.4	4800.6	1359.4	-386.8
382	152812.2	56257.0	4790.8	1354.7	-376.5
383	150330.7	55800.5	4780.0	1349.9	-365.4
384	147848.8	55336.7	4769.2	1345.1	-355.2
385	145368.1	54865.3	4757.3	1340.2	-344.6
386	142888.1	54386.6	4745.5	1335.3	-334.3
387	140411.4	53900.7	4732.0	1330.3	-324.1
388	137937.3	53407.5	4718.8	1325.2	-313.7
389	135467.7	52907.3	4704.3	1320.1	-303.6
390	133003.0	52400.3	4689.3	1314.9	-293.6
391	130544.0	51886.4	4673.8	1309.7	-283.5
392	128090.4	51365.9	4658.2	1304.4	-273.7
393	125644.1	50839.0	4641.3	1299.0	-264.0
394	123207.2	50305.7	4623.0	1293.6	-254.4
395	120777.7	49766.0	4605.8	1288.1	-244.6
396	118357.5	49220.5	4587.1	1282.6	-235.4
397	115947.8	48668.8	4567.7	1277.0	-225.8
398	113548.7	48111.4	4547.4	1271.1	-216.6
399	111159.2	47548.9	4525.8	1264.4	-207.3
400	108783.6	46981.7	4501.4	1257.6	-198.6
401	106422.2	46409.6	4476.6	1250.8	-189.4
402	104076.3	45832.8	4450.8	1243.9	-180.7
403	101745.8	45251.7	4425.1	1237.0	-172.0
404	99432.0	44666.0	4398.2	1230.0	-163.2
405	97135.3	44076.3	4371.0	1222.9	-154.9
406	94856.3	43482.4	4343.3	1215.8	-146.3
407	92786.9	42884.7	4196.7	1208.3	-138.0
408	90831.8	42283.8	4105.3	1199.5	-129.5
409	88888.4	41680.3	4076.9	1190.6	-121.3
410	86958.0	41074.1	4047.5	1181.6	-113.3
411	85041.9	40465.7	4017.2	1172.6	-105.5
412	83139.7	39854.8	3986.8	1163.5	-97.5
413	81251.0	39241.6	3956.7	1154.3	-89.6
414	79377.7	38626.7	3925.2	1145.1	-82.3
415	77519.6	38009.8	3893.6	1135.8	-74.7
416	75676.6	37391.3	3862.0	1126.5	-67.4
417	73849.8	36771.4	3829.5	1117.1	-60.2
418	72039.5	36150.3	3796.6	1107.6	-53.2
419	70246.5	35527.9	3763.2	1098.1	-46.2
420	68470.9	34904.8	3729.4	1088.5	-39.6
421	66712.6	34280.7	3695.6	1078.8	-32.8
422	64972.6	33656.4	3661.0	1069.1	-26.6
423	63246.9	33031.5	3628.7	1059.3	-20.1
424	61548.6	32406.2	3588.2	1049.5	-13.7
425	59865.4	31781.2	3555.0	1039.6	-7.9
426	58201.7	31156.3	3519.1	1029.6	-2.0
427	56557.7	30531.7	3482.8	1019.6	3.9
428	54934.4	29907.6	3445.8	1009.5	9.4
429	53331.7	29284.4	3408.6	999.3	14.8
430	51749.7	28662.1	3371.2	989.1	20.1
431	50189.1	28040.8	3333.2	978.8	25.3
432	48649.9	27421.0	3295.0	968.5	30.1

433	47132.8	26802.6	3256.3	958.1	35.1
434	45637.5	26186.0	3217.6	947.6	39.7
435	44165.0	25571.3	3178.1	937.0	44.1
436	42714.9	24958.9	3138.6	926.4	48.4
437	41287.8	24348.7	3098.6	915.8	52.5
438	39883.9	23741.2	3058.4	905.0	56.5
439	38503.5	23136.3	3017.7	894.2	60.4
440	37017.2	22533.9	3059.0	884.1	64.1
441	35558.0	21933.6	3020.0	874.9	67.6
442	34128.2	21335.5	2979.4	865.7	71.0
443	32728.4	20739.8	2938.4	856.4	74.3
444	31358.3	20146.7	2897.3	847.0	77.4
445	30018.6	19556.6	2855.7	837.5	80.2
446	28709.0	18969.5	2814.0	828.0	82.9
447	27429.8	18385.7	2772.0	818.4	85.5
448	26181.1	17805.3	2729.8	808.8	87.9
449	24963.2	17228.8	2687.2	799.1	90.0
450	23775.8	16656.2	2644.7	789.3	92.0
451	22618.7	16087.5	2602.0	779.5	94.1
452	21492.5	15523.3	2558.9	769.6	95.6
453	20397.0	14963.5	2515.8	759.6	97.2
454	19332.3	14408.6	2472.4	749.6	98.5
455	18298.5	13858.8	2428.7	739.5	99.6
456	17291.3	13316.3	2377.8	725.3	100.9
457	16316.7	12781.6	2321.4	710.3	102.1
458	15375.3	12255.0	2264.3	695.3	103.3
459	14467.4	11736.7	2207.0	680.1	104.2
460	13592.1	11227.0	2149.8	664.9	104.9
461	12749.7	10726.0	2092.3	649.6	105.5
462	11939.3	10233.9	2035.0	634.1	106.0
463	11161.0	9751.0	1977.5	618.6	106.3
464	10414.2	9277.5	1920.0	603.0	106.3
465	9698.6	8813.6	1862.6	587.2	106.4
466	9013.9	8359.5	1805.1	571.4	106.1
467	8359.7	7915.6	1747.5	555.5	105.7
468	7735.7	7482.1	1690.0	539.4	105.1
469	7141.1	7059.0	1632.6	523.3	104.5
470	6575.7	6646.7	1575.2	507.1	103.5
471	6023.1	6245.4	1527.7	490.7	102.5
472	5486.7	5854.3	1481.0	475.6	101.5
473	4981.1	5473.7	1424.8	460.3	100.4
474	4505.7	5103.7	1368.9	444.9	99.1
475	4059.7	4744.6	1313.2	429.5	97.6
476	3642.5	4396.6	1257.6	413.9	96.0
477	3253.3	4059.9	1202.3	398.2	94.2
478	2891.5	3734.8	1147.1	382.5	92.2
479	2556.1	3421.5	1092.3	366.6	90.1
480	2246.4	3120.3	1037.6	350.6	87.7
481	1961.7	2831.3	983.3	334.5	85.3
482	1701.0	2554.8	929.2	318.4	82.6
483	1463.5	2291.2	875.4	302.1	79.8
484	1248.3	2040.5	822.0	285.7	76.7
485	1054.4	1803.0	768.9	269.2	73.6
486	880.9	1579.1	716.1	252.6	70.2
487	726.8	1368.8	663.7	235.9	66.6
488	591.2	1172.6	611.6	219.1	62.9
489	473.0	990.5	560.0	202.2	58.9
490	371.1	823.0	508.8	185.1	54.8
491	284.4	670.1	458.0	168.0	50.5
492	212.0	532.3	407.7	150.8	46.0
493	152.5	409.7	357.8	133.5	41.4
494	105.0	302.6	308.5	116.0	36.5
495	68.1	211.3	259.6	98.5	31.4
496	40.6	135.9	211.2	80.8	26.1
497	21.4	76.9	163.4	63.0	20.7
498	9.0	34.3	116.1	45.2	15.0
499	2.4	8.6	69.4	27.2	9.2
500	0.0	0.0	23.3	9.1	3.1

Σ

1234324.0

-751338.4

VERIFICA STABILITA' DEI PENDII

 Sezione L-L - Condizione Sismica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici :-0.116
 Coefficiente sismico verticale : 0.058
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Pendio	1	252.570	230.810
Pendio	2	260.750	235.590
Pendio	3	270.620	236.590
Pendio	4	281.290	237.980
Pendio	5	285.960	238.400
Pendio	6	291.010	239.040
Pendio	7	300.670	241.580
Pendio	8	310.970	242.750
Pendio	9	316.010	243.020
Pendio	10	320.790	242.700
Pendio	11	330.870	240.790
Pendio	12	341.170	240.100
Pendio	13	346.110	239.620
Pendio	14	350.880	238.290
Pendio	15	360.810	236.910
Pendio	16	366.010	236.540
Pendio	17	375.940	236.590
Pendio	18	381.040	235.160
Pendio	19	390.860	230.220
Pendio	20	396.110	227.780
Pendio	21	401.000	224.920
Pendio	22	415.170	218.120
Pendio	23	422.280	218.020
Pendio	24	424.720	216.370
Pendio	25	427.280	215.570
Pendio	26	429.550	215.570
Pendio	27	430.490	214.550
Pendio	28	434.310	214.550
Pendio	29	436.670	214.300
Pendio	30	439.060	213.240
Pendio	31	450.220	209.100
Pendio	32	452.960	209.100
Pendio	33	454.170	206.600
Pendio	34	459.550	206.600
Pendio	35	460.930	206.920
Pendio	36	467.720	206.920
Pendio	37	470.270	206.550
Pendio	38	471.650	205.490
Pendio	39	479.610	205.490
Pendio	40	483.700	204.370
Pendio	41	485.450	204.530
Pendio	42	489.330	203.260
Pendio	43	505.570	200.660
Pendio	44	518.470	198.320
Pendio	45	530.890	196.300
Pendio	46	545.760	194.130
Pendio	47	551.060	193.490
Pendio	48	556.050	192.380

Pendio	49	559.080	192.060
Pendio	50	576.010	189.560
Pendio	51	578.510	189.300
Pendio	52	580.840	188.450
Pendio	53	584.350	188.240
Pendio	54	587.900	187.390
Pendio	55	600.010	185.420
Pendio	56	611.000	183.190
Pendio	57	625.060	179.690
Pendio	58	632.230	177.670
Pendio	59	640.510	175.500
Pendio	60	658.350	169.820
2	1	256.350	233.019
2	2	256.350	231.890
2	3	261.250	234.570
2	4	275.950	236.260
2	5	285.900	237.560
2	6	291.340	237.980
2	7	295.900	239.360
2	8	300.910	240.280
2	9	310.900	241.810
2	10	316.110	241.810
2	11	320.890	241.390
2	12	325.710	240.770
2	13	330.650	239.630
2	14	341.060	239.010
2	15	350.830	237.440
2	16	360.740	235.800
2	17	366.100	235.380
2	18	376.010	235.450
2	19	380.840	234.300
2	20	385.850	231.660
2	21	390.640	229.290
2	22	395.880	226.300
2	23	400.970	223.740
2	24	405.870	221.250
2	25	412.910	218.150
2	26	412.910	219.205
3	1	257.360	232.442
3	2	257.360	231.770
3	3	265.680	228.110
3	4	270.820	225.900
3	5	276.050	223.130
3	6	280.990	222.730
3	7	295.740	221.800
3	8	305.860	218.910
3	9	311.160	218.870
3	10	315.990	218.430
3	11	320.850	218.470
3	12	325.950	218.100
3	13	336.040	218.100
3	14	340.940	217.780
3	15	346.000	217.740
3	16	355.690	217.100
3	17	366.090	216.380
3	18	370.830	215.930
3	19	375.820	215.690
3	20	385.940	215.650
3	21	390.920	215.930
3	22	396.310	216.060
3	23	402.860	216.380
3	24	406.390	216.740
3	25	411.940	217.940
3	26	411.940	218.577
4	1	256.660	232.060
4	2	256.660	230.910
4	3	262.660	228.500
4	4	265.780	226.980
4	5	270.680	224.620
4	6	275.870	222.000
4	7	286.090	221.320

4	8	295.840	221.030
4	9	300.780	219.300
4	10	306.060	218.160
4	11	315.980	217.480
4	12	320.960	217.480
4	13	327.510	217.100
4	14	341.020	217.060
4	15	350.860	216.430
4	16	360.690	215.710
4	17	370.950	214.990
4	18	375.980	214.610
4	19	380.920	214.610
4	20	386.110	214.650
4	21	391.050	215.030
4	22	396.370	215.030
4	23	401.060	215.370
4	24	406.000	215.580
4	25	410.560	216.640
4	26	414.400	217.780
4	27	414.400	218.490
5	1	406.990	215.810
5	2	406.990	214.920
5	3	415.160	208.920
5	4	428.385	208.920
5	5	428.385	215.570
6	1	256.790	230.858
6	2	256.790	216.970
6	3	258.970	216.420
6	4	265.890	216.420
6	5	272.210	215.310
6	6	279.900	215.380
6	7	286.070	214.790
6	8	291.250	213.980
6	9	300.710	213.870
6	10	307.850	213.200
6	11	317.200	210.390
6	12	325.480	210.390
6	13	331.250	209.690
6	14	350.030	209.620
6	15	360.710	209.250
6	16	370.880	208.290
6	17	376.390	207.990
6	18	381.930	207.250
6	19	390.440	207.100
6	20	396.240	207.070
6	21	402.410	207.550
6	22	404.480	207.510
6	23	409.960	206.770
6	24	416.800	205.810
6	25	422.900	205.770
6	26	427.260	203.260
6	27	428.385	203.291
6	28	428.385	208.920
7	1	428.385	203.291
7	2	428.385	189.070
7	3	428.855	189.070
7	4	428.855	215.570
8	1	428.855	215.570
8	2	428.855	208.920
8	3	431.855	208.920
8	4	431.855	214.550
9	1	428.855	215.570
9	2	428.855	203.310
9	3	429.730	203.330
9	4	431.030	202.560
9	5	431.855	202.564
9	6	431.855	208.920
10	1	431.855	202.564
10	2	431.855	184.550
10	3	432.585	184.550
10	4	432.585	214.550

11	1	432.585	214.550
11	2	432.585	208.920
11	3	449.230	208.920
11	4	449.230	209.467
12	1	432.585	214.550
12	2	432.585	202.575
12	3	434.210	202.590
12	4	442.640	198.790
12	5	444.490	198.120
12	6	450.290	197.050
12	7	451.250	196.940
12	8	452.070	196.940
12	9	452.070	209.100
13	1	452.070	196.940
13	2	452.070	187.100
13	3	452.690	187.100
13	4	452.690	209.100
14	1	452.690	209.100
14	2	452.690	196.940
14	3	453.060	196.940
14	4	454.020	194.600
14	5	454.430	194.550
14	6	454.430	206.600
15	1	454.430	194.550
15	2	454.430	176.600
15	3	455.730	176.600
15	4	455.730	194.511
16	1	455.730	206.600
16	2	455.730	194.511
16	3	460.900	194.460
16	4	467.480	195.010
16	5	468.180	194.460
16	6	470.030	194.500
16	7	471.330	193.500
16	8	478.870	193.420
16	9	493.580	190.280
16	10	505.340	188.320
16	11	518.540	186.030
16	12	530.920	184.370
16	13	535.650	183.260
16	14	555.870	180.450
16	15	559.020	179.820
16	16	566.150	178.930
16	17	575.990	177.310
16	18	594.140	174.310
16	19	595.990	174.130
16	20	606.930	171.690
16	21	618.950	168.800
16	22	628.930	165.920
16	23	631.920	165.220
16	24	631.920	177.757

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
6	Fila 1	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.00
8	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
9	Fila 2	2500.0	18.30	0.00	1.00
10	ARGINE	1900.0	0.40	25.00	0.00
11	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
12	Fila 3	2500.0	18.30	0.00	1.00
13	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
14	Fila 4	2500.0	18.30	0.00	1.00

15	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
16	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	505.75	561.44	364.84
2	464.61	413.86	212.88
3	505.37	475.77	282.55
4	516.68	464.66	274.59
5	479.68	464.14	265.16
6	498.02	469.31	274.59
7	482.54	403.30	206.87
8	470.35	388.11	188.91
9	497.65	422.40	229.84
10	517.23	663.53	467.93
11	505.90	486.05	292.40
12	513.26	520.75	327.46
13	489.71	454.11	257.95
14	511.18	472.42	281.11
15	527.05	488.69	299.79

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	505.75	561.44	364.84	1.477	1
1	505.75	561.44	364.84	1.501	2
2	464.61	413.86	212.88	1.495	1
2	464.61	413.86	212.88	1.528	2
3	505.37	475.77	282.55	1.363	1
3	505.37	475.77	282.55	1.379	2
4	516.68	464.66	274.59	1.385	1
4	516.68	464.66	274.59	1.397	2
5	479.68	464.14	265.16	1.404	1
5	479.68	464.14	265.16	1.426	2
6	498.02	469.31	274.59	1.424	1
6	498.02	469.31	274.59	1.446	2
7	482.54	403.30	206.87	1.398	1
7	482.54	403.30	206.87	1.421	2
8	470.35	388.11	188.91	1.433	1
8	470.35	388.11	188.91	1.463	2
9	497.65	422.40	229.84	1.500	1
9	497.65	422.40	229.84	1.527	2
10	517.23	663.53	467.93	1.341	1
10	517.23	663.53	467.93	1.348	2
11	505.90	486.05	292.40	1.435	1
11	505.90	486.05	292.40	1.457	2
12	513.26	520.75	327.46	1.249	1
12	513.26	520.75	327.46	1.255	2
13	489.71	454.11	257.95	1.481	1
13	489.71	454.11	257.95	1.509	2
14	511.18	472.42	281.11	1.384	1

14	511.18	472.42	281.11	1.400	2
15	527.05	488.69	299.79	1.537	1
15	527.05	488.69	299.79	1.557	2

CERCHIO CRITICO N° 12

Larghezza del concio.....=0.395

Situazione di carico numero 1

Coefficiente di sicurezza F =1.249

Coefficiente di forma =0.07921

Coefficiente F/Fo =1.04705

Numero iterazioni = 2

Precisione =0.00072

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-30.84	0.460	0.120	19.6	78.3	-8.6
2	-30.76	0.459	0.120	19.6	234.6	-25.7
3	-30.68	0.459	0.120	19.6	379.8	-41.6
4	-30.60	0.458	0.120	19.6	477.9	-52.4
5	-30.52	0.458	0.120	19.6	575.5	-63.1
6	-30.44	0.458	0.120	19.6	672.5	-73.7
7	-30.36	0.457	0.120	19.6	768.8	-84.3
8	-30.28	0.457	0.120	19.6	864.6	-94.8
9	-30.20	0.457	0.008	19.6	940.6	-103.1
10	-30.12	0.456	0.008	19.6	993.7	-109.0
11	-30.04	0.456	0.008	19.6	1046.4	-114.7
12	-29.96	0.456	0.008	19.6	1098.6	-120.5
13	-29.88	0.455	0.008	19.6	1150.5	-126.1
14	-29.80	0.455	0.008	19.6	1202.0	-131.8
15	-29.72	0.454	0.008	19.6	1257.4	-137.9
16	-29.64	0.454	0.008	19.6	1352.4	-148.3
17	-29.56	0.454	0.008	19.6	1446.9	-158.6
18	-29.48	0.453	0.008	19.6	1541.1	-169.0
19	-29.40	0.453	0.008	19.6	1634.9	-179.2
20	-29.32	0.453	0.008	19.6	1728.2	-189.5
21	-29.24	0.452	0.008	19.6	1821.3	-199.7
22	-29.16	0.452	0.008	19.6	1913.8	-209.8
23	-29.09	0.452	0.008	19.6	2006.1	-219.9
24	-29.01	0.451	0.008	19.6	2097.9	-230.0
25	-28.93	0.451	0.008	19.6	2189.3	-240.0
26	-28.85	0.451	0.008	19.6	2280.4	-250.0
27	-28.77	0.450	0.008	19.6	2371.1	-260.0
28	-28.69	0.450	0.008	19.6	2461.4	-269.9
29	-28.61	0.450	0.008	19.6	2551.3	-279.7
30	-28.53	0.449	0.008	19.6	2640.8	-289.5
31	-28.46	0.449	0.008	19.6	2729.9	-299.3
32	-28.38	0.449	0.008	19.6	2818.7	-309.0
33	-28.30	0.448	0.008	19.6	2907.1	-318.7
34	-28.22	0.448	0.008	19.6	2995.1	-328.4
35	-28.14	0.448	0.008	19.6	3082.7	-338.0
36	-28.06	0.447	0.008	19.6	3170.0	-347.6
37	-27.99	0.447	0.008	19.6	3256.9	-357.1
38	-27.91	0.447	0.008	19.6	3343.4	-366.6
39	-27.83	0.446	0.008	19.6	3429.5	-376.0
40	-27.75	0.446	0.008	19.6	3514.3	-385.3
41	-27.67	0.446	0.008	19.6	3610.9	-395.9
42	-27.60	0.445	0.008	19.6	3708.6	-406.6
43	-27.52	0.445	0.008	19.6	3805.8	-417.3
44	-27.44	0.445	0.008	19.6	3902.7	-427.9
45	-27.36	0.444	0.008	19.6	3999.2	-438.5
46	-27.28	0.444	0.008	19.6	4095.4	-449.0
47	-27.21	0.444	0.008	19.6	4191.2	-459.5
48	-27.13	0.443	0.008	19.6	4286.6	-470.0
49	-27.05	0.443	0.008	19.6	4381.6	-480.4
50	-26.97	0.443	0.008	19.6	4476.3	-490.8
51	-26.90	0.443	0.008	19.6	4570.6	-501.1
52	-26.82	0.442	0.008	19.6	4664.6	-511.4
53	-26.74	0.442	0.008	19.6	4758.2	-521.7

54	-26.66	0.442	0.008	19.6	4865.1	-533.4
55	-26.59	0.441	0.008	19.6	4973.3	-545.3
56	-26.51	0.441	0.008	19.6	5081.3	-557.1
57	-26.43	0.441	0.008	19.6	5188.8	-568.9
58	-26.35	0.440	0.008	19.6	5296.0	-580.7
59	-26.28	0.440	0.008	19.6	5402.8	-592.4
60	-26.20	0.440	0.008	19.6	5509.3	-604.0
61	-26.12	0.440	0.008	19.6	5615.5	-615.7
62	-26.05	0.439	0.008	19.6	5721.2	-627.3
63	-25.97	0.439	0.008	19.6	5826.6	-638.8
64	-25.89	0.439	0.008	19.6	5931.7	-650.4
65	-25.82	0.438	0.008	19.6	6036.4	-661.8
66	-25.74	0.438	0.008	19.6	6140.7	-673.3
67	-25.66	0.438	0.008	19.6	6244.7	-684.7
68	-25.59	0.438	0.008	19.6	6348.4	-696.0
69	-25.51	0.437	0.008	19.6	6451.7	-707.4
70	-25.43	0.437	0.008	19.6	6554.6	-718.7
71	-25.36	0.437	0.008	19.6	6657.2	-729.9
72	-25.28	0.436	0.008	19.6	6759.4	-741.1
73	-25.20	0.436	0.008	19.6	6861.3	-752.3
74	-25.13	0.436	0.008	19.6	6962.8	-763.4
75	-25.05	0.436	0.008	19.6	7064.0	-774.5
76	-24.98	0.435	0.008	19.6	7164.9	-785.6
77	-24.90	0.435	0.008	19.6	7265.4	-796.6
78	-24.82	0.435	0.008	19.6	7365.5	-807.6
79	-24.75	0.435	0.008	19.6	7421.9	-813.7
80	-24.67	0.434	0.008	19.6	7456.2	-817.5
81	-24.60	0.434	0.008	19.6	7490.2	-821.2
82	-24.52	0.434	0.008	19.6	7523.8	-824.9
83	-24.44	0.434	0.008	19.6	7557.1	-828.6
84	-24.37	0.433	0.008	19.6	7590.1	-832.2
85	-24.29	0.433	0.008	19.6	7622.7	-835.8
86	-24.22	0.433	0.008	19.6	7655.0	-839.3
87	-24.14	0.432	0.008	19.6	7686.9	-842.8
88	-24.07	0.432	0.008	19.6	7718.5	-846.3
89	-23.99	0.432	0.008	19.6	7749.8	-849.7
90	-23.91	0.432	0.008	19.6	7780.7	-853.1
91	-23.84	0.431	0.008	19.6	7816.6	-857.0
92	-23.76	0.431	0.008	19.6	7828.0	-858.3
93	-23.69	0.431	0.008	19.6	7816.8	-857.0
94	-23.61	0.431	0.008	19.6	7805.2	-855.8
95	-23.54	0.430	0.008	19.6	7793.3	-854.5
96	-23.46	0.430	0.008	19.6	7781.0	-853.1
97	-23.39	0.430	0.008	19.6	7768.4	-851.7
98	-23.31	0.430	0.008	19.6	7755.5	-850.3
99	-23.23	0.429	0.008	19.6	7742.2	-848.9
100	-23.16	0.429	0.008	19.6	7728.6	-847.4
101	-23.09	0.429	0.008	19.6	7714.7	-845.8
102	-23.01	0.429	0.008	19.6	7700.4	-844.3
103	-22.94	0.429	0.008	19.6	7685.8	-842.7
104	-22.86	0.428	0.008	19.6	7669.4	-840.9
105	-22.79	0.428	0.008	19.6	7650.9	-838.9
106	-22.71	0.428	0.008	19.6	7632.2	-836.8
107	-22.64	0.428	0.008	19.6	7613.1	-834.7
108	-22.56	0.427	0.008	19.6	7593.7	-832.6
109	-22.49	0.427	0.008	19.6	7573.9	-830.4
110	-22.41	0.427	0.008	19.6	7553.8	-828.2
111	-22.34	0.427	0.008	19.6	7533.4	-826.0
112	-22.26	0.426	0.008	19.6	7512.7	-823.7
113	-22.19	0.426	0.008	19.6	7491.7	-821.4
114	-22.11	0.426	0.008	19.6	7470.3	-819.0
115	-22.04	0.426	0.008	19.6	7448.6	-816.7
116	-21.96	0.426	0.008	19.6	7429.2	-814.5
117	-21.89	0.425	0.008	19.6	7423.9	-814.0
118	-21.82	0.425	0.008	19.6	7420.7	-813.6
119	-21.74	0.425	0.008	19.6	7417.2	-813.2
120	-21.67	0.425	0.008	19.6	7413.4	-812.8
121	-21.59	0.424	0.008	19.6	7409.2	-812.4
122	-21.52	0.424	0.008	19.6	7404.8	-811.9
123	-21.44	0.424	0.000	11.3	7408.5	-812.3
124	-21.37	0.424	0.000	11.3	7444.5	-816.2

125	-21.30	0.424	0.000	11.3	7480.1	-820.1
126	-21.22	0.423	0.000	11.3	7515.2	-824.0
127	-21.15	0.423	0.000	11.3	7549.8	-827.8
128	-21.07	0.423	0.000	11.3	7584.0	-831.5
129	-21.00	0.423	0.000	11.3	7617.2	-835.2
130	-20.92	0.423	0.000	13.7	7625.1	-836.0
131	-20.85	0.422	0.000	13.7	7616.0	-835.0
132	-20.78	0.422	0.000	13.7	7606.5	-834.0
133	-20.70	0.422	0.000	13.7	7596.5	-832.9
134	-20.63	0.422	0.000	13.7	7586.0	-831.7
135	-20.56	0.421	0.000	13.7	7575.1	-830.5
136	-20.48	0.421	0.000	13.7	7563.7	-829.3
137	-20.41	0.421	0.000	13.7	7551.9	-828.0
138	-20.33	0.421	0.000	13.7	7539.6	-826.6
139	-20.26	0.421	0.000	13.7	7526.9	-825.3
140	-20.19	0.420	0.000	13.7	7513.7	-823.8
141	-20.11	0.420	0.000	13.7	7500.0	-822.3
142	-20.04	0.420	0.000	13.7	7489.4	-821.1
143	-19.97	0.420	0.000	13.7	7508.2	-823.2
144	-19.89	0.420	0.000	13.7	7526.6	-825.2
145	-19.82	0.420	0.000	13.7	7544.5	-827.2
146	-19.75	0.419	0.000	13.7	7561.9	-829.1
147	-19.67	0.419	0.000	13.7	7581.0	-831.2
148	-19.60	0.419	0.000	13.7	7602.8	-833.6
149	-19.53	0.419	0.000	13.7	7624.1	-835.9
150	-19.45	0.419	0.000	13.7	7645.0	-838.2
151	-19.38	0.418	0.000	13.7	7665.5	-840.4
152	-19.31	0.418	0.000	13.7	7685.4	-842.6
153	-19.24	0.418	0.000	13.7	7705.0	-844.8
154	-19.16	0.418	0.000	13.7	7724.1	-846.9
155	-19.09	0.418	0.000	13.7	7737.6	-848.4
156	-19.01	0.417	0.000	13.7	7754.2	-850.2
157	-18.94	0.417	0.000	13.7	7776.5	-852.6
158	-18.87	0.417	0.000	13.7	7798.4	-855.0
159	-18.80	0.417	0.000	13.7	7819.8	-857.4
160	-18.72	0.417	0.000	13.7	7840.9	-859.7
161	-18.65	0.417	0.000	13.7	7861.4	-861.9
162	-18.58	0.416	0.000	13.7	7881.5	-864.1
163	-18.51	0.416	0.000	13.7	7901.2	-866.3
164	-18.43	0.416	0.000	13.7	7920.5	-868.4
165	-18.36	0.416	0.000	13.7	7939.2	-870.5
166	-18.29	0.416	0.000	13.7	7957.6	-872.5
167	-18.21	0.415	0.000	13.7	7975.5	-874.4
168	-18.14	0.415	0.000	13.7	7993.0	-876.4
169	-18.07	0.415	0.000	13.7	8010.0	-878.2
170	-18.00	0.415	0.000	13.7	8161.2	-894.8
171	-17.92	0.415	0.000	13.7	8112.4	-889.5
172	-17.85	0.415	0.000	13.7	8063.2	-884.1
173	-17.78	0.414	0.000	13.7	8013.6	-878.6
174	-17.71	0.414	0.000	13.7	7963.5	-873.1
175	-17.63	0.414	0.000	13.7	7913.0	-867.6
176	-17.56	0.414	0.000	13.7	7862.0	-862.0
177	-17.49	0.414	0.000	13.7	7810.6	-856.4
178	-17.42	0.414	0.000	13.7	7788.2	-853.9
179	-17.34	0.413	0.000	13.7	7881.8	-864.2
180	-17.27	0.413	0.000	13.7	7974.9	-874.4
181	-17.20	0.413	0.000	13.7	8067.7	-884.5
182	-17.13	0.413	0.000	13.7	8160.0	-894.7
183	-17.06	0.413	0.000	13.7	8251.8	-904.7
184	-16.98	0.413	0.000	13.7	8343.3	-914.8
185	-16.91	0.412	0.000	13.7	8434.3	-924.7
186	-16.84	0.412	0.000	13.7	8524.9	-934.7
187	-16.77	0.412	0.000	13.7	8615.0	-944.6
188	-16.69	0.412	0.000	13.7	8704.7	-954.4
189	-16.62	0.412	0.000	13.7	8794.0	-964.2
190	-16.55	0.412	0.000	13.7	8882.9	-973.9
191	-16.48	0.412	0.000	13.7	8971.3	-983.6
192	-16.40	0.411	0.000	13.7	9059.3	-993.3
193	-16.33	0.411	0.000	13.7	9146.8	-1002.9
194	-16.26	0.411	0.000	13.7	9234.0	-1012.4
195	-16.19	0.411	0.000	13.7	9320.7	-1021.9

196	-16.12	0.411	0.000	13.7	9368.4	-1027.2
197	-16.05	0.411	0.000	13.7	9246.9	-1013.8
198	-15.97	0.411	0.000	13.7	9125.0	-1000.5
199	-15.90	0.410	0.000	13.7	9002.7	-987.1
200	-15.83	0.410	0.000	13.7	8879.9	-973.6
201	-15.76	0.410	0.000	13.7	8756.8	-960.1
202	-15.69	0.410	0.000	13.7	8633.6	-946.6
203	-15.61	0.410	0.000	13.7	8623.5	-945.5
204	-15.54	0.410	0.000	13.7	8612.9	-944.3
205	-15.47	0.409	0.000	13.7	8602.0	-943.1
206	-15.40	0.409	0.000	13.7	8590.6	-941.9
207	-15.33	0.409	0.000	13.7	8578.8	-940.6
208	-15.26	0.409	0.000	13.7	8566.6	-939.2
209	-15.19	0.409	0.000	13.7	8604.5	-943.4
210	-15.11	0.409	0.000	13.7	8689.3	-952.7
211	-15.04	0.409	0.000	13.7	8773.7	-962.0
212	-14.97	0.409	18.300	0.0	11654.7	-1277.8
213	-14.90	0.408	0.000	13.7	8941.1	-980.3
214	-14.83	0.408	0.000	13.7	9024.2	-989.4
215	-14.76	0.408	0.000	13.7	8846.7	-970.0
216	-14.68	0.408	0.000	13.7	8589.2	-941.7
217	-14.61	0.408	0.000	13.7	8461.8	-927.8
218	-14.54	0.408	0.000	13.7	8543.2	-936.7
219	-14.47	0.408	0.000	13.7	8624.2	-945.6
220	-14.40	0.407	0.000	13.7	8704.8	-954.4
221	-14.33	0.407	18.300	0.0	11559.2	-1267.4
222	-14.26	0.407	0.000	13.7	8864.8	-971.9
223	-14.19	0.407	0.000	13.7	8944.1	-980.6
224	-14.12	0.407	0.000	13.7	9023.1	-989.3
225	-14.04	0.407	0.000	13.7	9101.6	-997.9
226	-13.97	0.407	0.000	13.7	9179.7	-1006.5
227	-13.90	0.407	0.000	13.7	9234.0	-1012.4
228	-13.83	0.406	0.000	13.7	9278.2	-1017.3
229	-13.76	0.406	0.000	13.7	9321.9	-1022.1
230	-13.69	0.406	0.000	13.7	9365.2	-1026.8
231	-13.62	0.406	0.000	13.7	9408.1	-1031.5
232	-13.55	0.406	0.000	13.7	9450.5	-1036.2
233	-13.47	0.406	0.000	13.7	9415.9	-1032.4
234	-13.40	0.406	0.000	13.7	9351.9	-1025.3
235	-13.33	0.406	0.000	13.7	9287.4	-1018.3
236	-13.26	0.405	0.000	13.7	9222.5	-1011.2
237	-13.19	0.405	0.000	13.7	9157.3	-1004.0
238	-13.12	0.405	0.000	13.7	9091.6	-996.8
239	-13.05	0.405	0.000	13.7	9040.7	-991.2
240	-12.98	0.405	0.000	13.7	8996.9	-986.4
241	-12.91	0.405	0.000	13.7	8952.7	-981.6
242	-12.84	0.405	0.000	13.7	8908.1	-976.7
243	-12.77	0.405	0.000	13.7	8863.1	-971.8
244	-12.70	0.405	0.000	13.7	8817.7	-966.8
245	-12.62	0.404	0.000	13.7	8771.8	-961.8
246	-12.55	0.404	0.000	13.7	8725.6	-956.7
247	-12.48	0.404	0.000	13.7	8679.0	-951.6
248	-12.41	0.404	0.000	13.7	8631.9	-946.4
249	-12.34	0.404	0.000	13.7	8584.5	-941.2
250	-12.27	0.404	0.000	13.7	8536.6	-936.0
251	-12.20	0.404	0.000	13.7	8488.4	-930.7
252	-12.13	0.404	0.000	13.7	8439.7	-925.3
253	-12.06	0.404	0.000	13.7	8390.6	-920.0
254	-11.99	0.403	0.000	13.7	8341.2	-914.5
255	-11.92	0.403	0.000	13.7	8291.3	-909.1
256	-11.85	0.403	0.000	13.7	8241.0	-903.6
257	-11.78	0.403	0.000	13.7	8190.4	-898.0
258	-11.71	0.403	0.000	13.7	8139.3	-892.4
259	-11.64	0.403	0.000	13.7	8087.8	-886.8
260	-11.57	0.403	0.000	13.7	8035.9	-881.1
261	-11.50	0.403	0.000	13.7	7983.6	-875.3
262	-11.42	0.403	0.000	13.7	7930.9	-869.6
263	-11.35	0.403	0.000	13.7	7877.9	-863.7
264	-11.28	0.402	0.000	13.7	7824.4	-857.9
265	-11.21	0.402	0.000	13.7	7770.5	-852.0
266	-11.14	0.402	0.000	13.7	7716.2	-846.0

267	-11.07	0.402	0.000	13.7	7707.1	-845.0
268	-11.00	0.402	0.000	13.7	7768.2	-851.7
269	-10.93	0.402	0.000	13.7	7828.9	-858.4
270	-10.86	0.402	0.000	13.7	7889.2	-865.0
271	-10.79	0.402	0.000	13.7	7949.0	-871.5
272	-10.72	0.402	18.300	0.0	10537.5	-1155.3
273	-10.65	0.402	0.000	13.7	8067.6	-884.5
274	-10.58	0.401	0.000	13.7	7834.9	-859.0
275	-10.51	0.401	0.000	13.7	7246.3	-794.5
276	-10.44	0.401	0.000	13.7	6657.3	-729.9
277	-10.37	0.401	0.000	13.7	6316.5	-692.5
278	-10.30	0.401	18.300	0.0	8386.3	-919.5
279	-10.23	0.401	18.300	0.0	8461.0	-927.7
280	-10.16	0.401	18.300	0.0	8535.0	-935.8
281	-10.09	0.401	0.000	13.7	6542.5	-717.3
282	-10.02	0.401	0.000	13.7	6598.0	-723.4
283	-9.95	0.401	0.000	13.7	6653.2	-729.5
284	-9.88	0.401	0.000	13.7	6707.9	-735.5
285	-9.81	0.401	0.000	13.7	6762.2	-741.4
286	-9.74	0.400	0.000	13.7	6816.1	-747.3
287	-9.67	0.400	0.000	13.7	6869.7	-753.2
288	-9.60	0.400	0.000	13.7	6922.8	-759.0
289	-9.53	0.400	0.000	13.7	6975.6	-764.8
290	-9.46	0.400	0.000	13.7	7027.9	-770.5
291	-9.39	0.400	0.000	13.7	7134.5	-782.2
292	-9.32	0.400	0.000	13.7	7258.7	-795.9
293	-9.25	0.400	0.000	13.7	7382.5	-809.4
294	-9.18	0.400	0.000	13.7	7487.3	-820.9
295	-9.11	0.400	0.000	13.7	7537.7	-826.4
296	-9.04	0.400	0.000	13.7	7587.7	-831.9
297	-8.97	0.400	0.000	13.7	7637.3	-837.4
298	-8.90	0.399	0.000	13.7	7686.5	-842.8
299	-8.83	0.399	0.000	13.7	7735.3	-848.1
300	-8.76	0.399	0.000	13.7	7783.8	-853.4
301	-8.69	0.399	0.000	13.7	7831.8	-858.7
302	-8.62	0.399	0.000	13.7	7879.5	-863.9
303	-8.55	0.399	0.000	13.7	7926.7	-869.1
304	-8.48	0.399	0.000	13.7	7973.6	-874.2
305	-8.41	0.399	0.000	13.7	8020.1	-879.3
306	-8.34	0.399	0.000	13.7	8066.2	-884.4
307	-8.27	0.399	0.000	13.7	8111.9	-889.4
308	-8.20	0.399	0.000	13.7	8157.2	-894.4
309	-8.13	0.399	0.000	13.7	8202.1	-899.3
310	-8.06	0.399	0.000	13.7	8246.7	-904.2
311	-7.99	0.399	0.000	13.7	8288.4	-908.8
312	-7.92	0.398	0.000	13.7	8286.8	-908.6
313	-7.85	0.398	0.000	13.7	8284.7	-908.3
314	-7.78	0.398	0.000	13.7	8282.3	-908.1
315	-7.71	0.398	0.000	13.7	8279.4	-907.8
316	-7.64	0.398	0.000	13.7	8276.2	-907.4
317	-7.57	0.398	0.000	13.7	8272.6	-907.0
318	-7.50	0.398	0.000	13.7	8153.3	-893.9
319	-7.43	0.398	0.000	13.7	7953.8	-872.1
320	-7.36	0.398	0.000	13.7	7754.0	-850.2
321	-7.29	0.398	0.000	13.7	7576.4	-830.7
322	-7.23	0.398	0.000	13.7	7616.3	-835.1
323	-7.16	0.398	0.000	13.7	7655.8	-839.4
324	-7.08	0.398	0.000	13.7	7694.9	-843.7
325	-7.02	0.398	0.000	13.7	7733.6	-847.9
326	-6.95	0.398	0.000	13.7	7772.0	-852.1
327	-6.88	0.398	0.000	13.7	7809.9	-856.3
328	-6.81	0.397	0.000	13.7	7847.5	-860.4
329	-6.74	0.397	0.000	13.7	7884.7	-864.5
330	-6.67	0.397	0.000	13.7	7921.5	-868.5
331	-6.60	0.397	0.000	13.7	7957.9	-872.5
332	-6.53	0.397	0.000	13.7	7993.9	-876.5
333	-6.46	0.397	0.000	13.7	8029.6	-880.4
334	-6.39	0.397	0.000	13.7	8064.8	-884.2
335	-6.32	0.397	0.000	13.7	8099.7	-888.1
336	-6.25	0.397	0.000	13.7	8134.2	-891.8
337	-6.18	0.397	0.000	13.7	8168.3	-895.6

338	-6.11	0.397	0.000	13.7	8202.0	-899.3
339	-6.04	0.397	0.000	13.7	8235.3	-902.9
340	-5.97	0.397	0.000	13.7	8268.3	-906.5
341	-5.90	0.397	0.000	13.7	8300.8	-910.1
342	-5.83	0.397	0.000	13.7	8253.7	-904.9
343	-5.76	0.397	0.000	13.7	8199.7	-899.0
344	-5.69	0.397	0.000	13.7	8145.4	-893.1
345	-5.63	0.397	0.000	13.7	8090.7	-887.1
346	-5.56	0.397	0.000	13.7	8035.6	-881.0
347	-5.49	0.396	0.000	13.7	7980.1	-874.9
348	-5.42	0.396	0.000	13.7	7924.3	-868.8
349	-5.35	0.396	0.000	13.7	7868.0	-862.7
350	-5.28	0.396	0.000	13.7	7811.4	-856.4
351	-5.21	0.396	0.000	13.7	7754.4	-850.2
352	-5.14	0.396	0.000	13.7	7761.3	-851.0
353	-5.07	0.396	0.000	13.7	7817.9	-857.2
354	-5.00	0.396	0.000	13.7	7874.2	-863.3
355	-4.93	0.396	0.000	13.7	7930.0	-869.5
356	-4.86	0.396	0.000	13.7	7968.7	-873.7
357	-4.79	0.396	0.000	13.7	7892.6	-865.4
358	-4.72	0.396	0.000	13.7	7816.2	-857.0
359	-4.66	0.396	0.000	13.7	7739.4	-848.6
360	-4.59	0.396	0.000	13.7	7662.2	-840.1
361	-4.52	0.396	0.000	13.7	7584.6	-831.6
362	-4.45	0.396	0.000	13.7	7506.7	-823.0
363	-4.38	0.396	0.000	13.7	7428.4	-814.5
364	-4.31	0.396	0.000	13.7	7349.6	-805.8
365	-4.24	0.396	0.000	13.7	7270.5	-797.1
366	-4.17	0.396	0.000	13.7	7206.7	-790.1
367	-4.10	0.396	0.000	13.7	7179.2	-787.1
368	-4.03	0.396	0.000	13.7	7151.3	-784.1
369	-3.96	0.396	0.000	13.7	7123.0	-781.0
370	-3.89	0.396	0.000	13.7	7094.4	-777.8
371	-3.82	0.396	0.000	13.7	7065.4	-774.7
372	-3.76	0.396	0.000	13.7	7036.0	-771.4
373	-3.69	0.395	0.000	13.7	7006.3	-768.2
374	-3.62	0.395	0.000	13.7	6976.1	-764.9
375	-3.55	0.395	0.000	13.7	6945.6	-761.5
376	-3.48	0.395	0.000	13.7	6914.7	-758.1
377	-3.41	0.395	0.000	13.7	6883.4	-754.7
378	-3.34	0.395	0.000	13.7	6851.7	-751.2
379	-3.27	0.395	0.000	13.7	6819.7	-747.7
380	-3.20	0.395	0.000	13.7	6787.2	-744.2
381	-3.13	0.395	0.000	13.7	6754.4	-740.6
382	-3.07	0.395	0.000	13.7	6721.2	-736.9
383	-2.99	0.395	0.000	13.7	6687.7	-733.2
384	-2.93	0.395	0.000	13.7	6653.7	-729.5
385	-2.86	0.395	0.000	13.7	6619.4	-725.8
386	-2.79	0.395	0.000	13.7	6584.7	-722.0
387	-2.72	0.395	0.000	13.7	6549.7	-718.1
388	-2.65	0.395	0.000	13.7	6514.2	-714.2
389	-2.58	0.395	0.000	13.7	6478.3	-710.3
390	-2.51	0.395	0.000	13.7	6442.1	-706.3
391	-2.44	0.395	0.000	13.7	6405.5	-702.3
392	-2.37	0.395	0.000	13.7	6368.6	-698.3
393	-2.30	0.395	0.000	13.7	6331.2	-694.2
394	-2.23	0.395	0.000	13.7	6293.5	-690.0
395	-2.16	0.395	0.000	13.7	6255.4	-685.8
396	-2.10	0.395	0.000	13.7	6216.9	-681.6
397	-2.03	0.395	0.000	13.7	6178.0	-677.4
398	-1.96	0.395	0.000	13.7	6138.8	-673.1
399	-1.89	0.395	0.000	13.7	6099.2	-668.7
400	-1.82	0.395	0.000	13.7	6059.2	-664.3
401	-1.75	0.395	0.000	13.7	6018.8	-659.9
402	-1.68	0.395	0.000	13.7	5978.1	-655.4
403	-1.61	0.395	0.000	13.7	5936.9	-650.9
404	-1.54	0.395	0.000	13.7	5895.4	-646.4
405	-1.48	0.395	0.000	13.7	5853.5	-641.8
406	-1.40	0.395	0.000	13.7	5811.3	-637.2
407	-1.34	0.395	0.000	13.7	5767.6	-632.4
408	-1.26	0.395	0.000	13.7	5717.9	-626.9

409	-1.20	0.395	0.000	13.7	5667.9	-621.4
410	-1.13	0.395	0.000	13.7	5617.4	-615.9
411	-1.06	0.395	0.000	13.7	5566.6	-610.3
412	-0.99	0.395	0.000	13.7	5515.4	-604.7
413	-0.92	0.395	0.000	13.7	5463.8	-599.1
414	-0.85	0.395	0.000	13.7	5411.9	-593.4
415	-0.78	0.395	0.000	13.7	5359.6	-587.6
416	-0.71	0.395	0.000	13.7	5306.9	-581.8
417	-0.64	0.395	0.000	13.7	5253.8	-576.0
418	-0.58	0.395	0.000	13.7	5200.3	-570.2
419	-0.51	0.395	0.000	13.7	5146.5	-564.3
420	-0.44	0.395	0.000	13.7	5092.2	-558.3
421	-0.37	0.395	0.000	13.7	5037.7	-552.3
422	-0.30	0.395	0.000	13.7	4982.7	-546.3
423	-0.23	0.395	0.000	13.7	4927.3	-540.2
424	-0.16	0.395	0.000	13.7	4871.6	-534.1
425	-0.09	0.395	0.000	13.7	4815.5	-528.0
426	-0.02	0.395	0.000	13.7	4759.0	-521.8
427	0.05	0.395	0.000	13.7	4702.2	-515.5
428	0.12	0.395	0.000	13.7	4644.9	-509.3
429	0.18	0.395	0.000	13.7	4587.3	-503.0
430	0.25	0.395	0.000	13.7	4529.3	-496.6
431	0.32	0.395	0.000	13.7	4470.9	-490.2
432	0.39	0.395	0.000	13.7	4412.2	-483.8
433	0.46	0.395	0.000	13.7	4353.1	-477.3
434	0.53	0.395	0.000	13.7	4293.6	-470.8
435	0.60	0.395	0.000	13.7	4233.7	-464.2
436	0.67	0.395	0.000	13.7	4173.4	-457.6
437	0.74	0.395	0.000	13.7	4112.8	-450.9
438	0.80	0.395	0.000	13.7	4051.8	-444.2
439	0.87	0.395	0.000	13.7	3990.4	-437.5
440	0.94	0.395	0.000	13.7	3931.4	-431.0
441	1.01	0.395	0.000	13.7	3875.1	-424.9
442	1.08	0.395	0.000	13.7	3818.4	-418.7
443	1.15	0.395	0.000	13.7	3761.4	-412.4
444	1.22	0.395	0.000	13.7	3704.0	-406.1
445	1.29	0.395	0.000	13.7	3646.2	-399.8
446	1.36	0.395	0.000	13.7	3588.1	-393.4
447	1.43	0.395	0.000	13.7	3529.5	-387.0
448	1.50	0.395	0.000	13.7	3470.6	-380.5
449	1.56	0.395	0.000	13.7	3411.3	-374.0
450	1.63	0.395	0.000	13.7	3351.7	-367.5
451	1.71	0.395	0.000	13.7	3291.6	-360.9
452	1.77	0.395	0.000	13.7	3231.2	-354.3
453	1.84	0.395	0.000	13.7	3170.4	-347.6
454	1.91	0.395	0.000	13.7	3109.2	-340.9
455	1.98	0.395	0.000	13.7	3047.6	-334.1
456	2.05	0.395	0.000	13.7	2985.7	-327.4
457	2.12	0.395	0.000	13.7	2923.4	-320.5
458	2.19	0.395	0.000	13.7	2860.7	-313.6
459	2.26	0.395	0.000	13.7	2797.6	-306.7
460	2.32	0.395	0.000	13.7	2734.2	-299.8
461	2.39	0.395	0.000	13.7	2670.3	-292.8
462	2.46	0.395	0.000	13.7	2606.1	-285.7
463	2.53	0.395	0.000	13.7	2541.5	-278.7
464	2.60	0.395	0.000	13.7	2476.6	-271.5
465	2.67	0.395	0.000	13.7	2411.2	-264.4
466	2.74	0.395	0.000	13.7	2345.5	-257.2
467	2.81	0.395	0.000	13.7	2279.4	-249.9
468	2.88	0.395	0.000	13.7	2212.9	-242.6
469	2.95	0.395	0.000	13.7	2146.1	-235.3
470	3.02	0.395	0.000	13.7	2078.9	-227.9
471	3.09	0.395	0.000	13.7	2011.2	-220.5
472	3.16	0.395	0.000	13.7	1948.4	-213.6
473	3.22	0.395	0.000	13.7	1885.3	-206.7
474	3.29	0.395	0.000	13.7	1821.8	-199.7
475	3.36	0.395	0.000	13.7	1757.9	-192.7
476	3.43	0.395	0.000	13.7	1693.6	-185.7
477	3.50	0.395	0.000	13.7	1628.9	-178.6
478	3.57	0.395	0.000	13.7	1563.9	-171.5
479	3.64	0.395	0.000	13.7	1498.5	-164.3

480	3.71	0.395	0.000	13.7	1432.7	-157.1
481	3.78	0.396	0.000	13.7	1366.5	-149.8
482	3.85	0.396	0.000	13.7	1300.0	-142.5
483	3.91	0.396	0.000	13.7	1233.0	-135.2
484	3.98	0.396	0.000	13.7	1165.7	-127.8
485	4.06	0.396	0.000	13.7	1098.0	-120.4
486	4.12	0.396	0.000	13.7	1029.9	-112.9
487	4.19	0.396	0.000	13.7	961.5	-105.4
488	4.26	0.396	0.000	13.7	892.6	-97.9
489	4.33	0.396	0.000	13.7	823.4	-90.3
490	4.40	0.396	0.000	13.7	753.8	-82.6
491	4.47	0.396	0.000	13.7	683.8	-75.0
492	4.54	0.396	0.000	13.7	613.4	-67.3
493	4.61	0.396	0.000	13.7	542.7	-59.5
494	4.68	0.396	0.000	13.7	471.6	-51.7
495	4.75	0.396	0.000	13.7	400.1	-43.9
496	4.82	0.396	0.000	13.7	328.2	-36.0
497	4.88	0.396	0.000	13.7	255.9	-28.1
498	4.96	0.396	0.000	13.7	183.3	-20.1
499	5.02	0.396	0.000	13.7	110.2	-12.1
500	5.09	0.396	0.000	13.7	36.8	-4.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	60.8	227.8	1039.0	604.5	-55.4
2	66.6	-144.1	1202.5	670.7	-165.3
3	-33.5	-463.5	1396.8	732.1	-266.9
4	-140.6	-747.8	1478.6	773.2	-335.0
5	-249.2	-997.4	1555.8	814.1	-402.3
6	-357.5	-1212.9	1631.3	854.5	-468.9
7	-464.2	-1394.7	1705.3	894.6	-534.6
8	-567.6	-1543.3	1777.6	934.3	-599.6
9	-909.9	-1243.3	1061.5	437.7	-650.6
10	-823.0	-926.1	770.7	459.7	-685.4
11	-720.6	-592.0	799.9	481.5	-719.8
12	-602.2	-241.2	828.3	503.2	-753.7
13	-466.7	125.8	855.7	524.5	-787.2
14	-313.6	508.9	882.3	545.7	-820.2
15	-180.0	909.3	940.9	568.5	-855.7
16	-100.9	1340.2	1057.3	607.9	-917.8
17	-41.5	1801.3	1146.5	647.1	-979.3
18	-4.5	2292.0	1237.7	686.0	-1040.2
19	7.3	2812.1	1330.7	724.7	-1100.5
20	-8.7	3361.2	1425.5	763.2	-1160.3
21	-55.1	3938.8	1522.2	801.4	-1219.4
22	-134.4	4544.5	1620.5	839.3	-1277.9
23	-249.2	5178.0	1720.7	877.0	-1335.9
24	-401.8	5838.9	1822.5	914.5	-1393.2
25	-594.7	6526.7	1926.0	951.7	-1450.1
26	-830.3	7241.1	2031.1	988.7	-1506.2
27	-1111.0	7981.7	2137.9	1025.5	-1561.9
28	-1438.8	8748.2	2246.2	1062.0	-1616.9
29	-1816.1	9540.0	2356.0	1098.3	-1671.5
30	-2245.3	10357.0	2467.5	1134.3	-1725.4
31	-2728.0	11198.6	2580.1	1170.2	-1778.8
32	-3267.0	12064.5	2694.6	1205.8	-1831.6
33	-3863.5	12954.4	2809.9	1241.2	-1883.9
34	-4520.3	13867.9	2927.2	1276.3	-1935.7
35	-5238.8	14804.6	3045.3	1311.3	-1986.9
36	-6021.6	15764.1	3165.4	1346.0	-2037.5
37	-6869.7	16746.3	3286.0	1380.5	-2087.8
38	-7785.9	17750.5	3408.6	1414.8	-2137.3
39	-8771.0	18776.6	3531.7	1448.9	-2186.5
40	-10029.9	19823.7	3814.5	1482.3	-2234.3
41	-11680.1	20895.4	4199.2	1520.6	-2289.5
42	-13459.6	21991.7	4379.1	1559.2	-2345.1
43	-15369.5	23112.1	4559.9	1597.5	-2399.8
44	-17413.8	24256.4	4743.5	1635.8	-2454.4

45	-19595.2	25424.0	4929.4	1673.6	-2508.0
46	-21917.3	26614.7	5117.7	1711.4	-2561.3
47	-24383.8	27828.1	5308.9	1748.9	-2614.1
48	-26997.3	29063.7	5502.1	1786.2	-2666.1
49	-29761.5	30321.4	5697.9	1823.3	-2718.0
50	-32678.7	31600.6	5895.5	1860.2	-2768.9
51	-35752.3	32900.9	6095.6	1896.8	-2819.5
52	-38985.3	34222.3	6298.0	1933.3	-2869.7
53	-42622.4	35563.9	6693.3	1969.5	-2919.0
54	-47185.3	36929.7	7511.2	2011.1	-2976.5
55	-51996.6	38319.6	7796.0	2053.2	-3034.3
56	-57057.1	39733.3	8081.4	2095.1	-3091.7
57	-62372.2	41170.4	8371.0	2136.7	-3148.3
58	-67945.6	42630.2	8663.5	2178.1	-3204.3
59	-73784.0	44112.9	8961.1	2219.4	-3260.2
60	-79890.0	45617.6	9260.9	2260.4	-3315.0
61	-86268.2	47144.2	9564.3	2301.2	-3369.6
62	-92923.8	48692.4	9871.6	2341.9	-3423.7
63	-99860.2	50261.4	10181.7	2382.2	-3476.9
64	-107081.9	51851.1	10495.4	2422.4	-3529.7
65	-114593.3	53461.2	10812.4	2462.5	-3582.2
66	-122396.3	55091.2	11130.9	2502.2	-3633.9
67	-130496.4	56740.8	11453.8	2541.8	-3685.3
68	-138896.9	58409.3	11779.4	2581.2	-3735.7
69	-147601.2	60096.9	12107.5	2620.4	-3786.3
70	-156611.5	61802.8	12437.4	2659.4	-3835.8
71	-165931.5	63526.7	12770.3	2698.2	-3884.7
72	-175568.4	65268.5	13108.7	2736.8	-3933.7
73	-185518.6	67027.5	13444.5	2775.2	-3981.6
74	-195789.7	68803.5	13786.1	2813.4	-4029.2
75	-206383.4	70596.3	14129.0	2851.5	-4076.5
76	-217301.2	72405.1	14473.5	2889.3	-4122.8
77	-228547.7	74230.1	14821.1	2927.0	-4169.1
78	-239383.8	76070.6	14580.0	2964.4	-4214.7
79	-243609.0	77915.6	9358.8	2984.5	-4235.1
80	-247705.0	79758.7	9287.0	2995.7	-4242.3
81	-251735.9	81600.4	9265.9	3006.8	-4249.8
82	-255698.9	83440.5	9242.2	3017.8	-4257.0
83	-259594.3	85278.5	9218.6	3028.6	-4263.5
84	-263423.7	87114.6	9195.9	3039.3	-4270.1
85	-267183.8	88948.4	9170.3	3049.8	-4276.4
86	-270875.4	90779.9	9145.0	3060.2	-4282.3
87	-274496.8	92608.5	9118.1	3070.4	-4287.7
88	-278050.7	94434.7	9092.9	3080.6	-4293.4
89	-281534.2	96258.1	9065.3	3090.6	-4298.5
90	-284947.8	98078.3	9037.7	3100.4	-4303.3
91	-286972.4	99896.6	7957.0	3112.2	-4310.8
92	-282554.7	101707.0	2805.0	3114.4	-4304.7
93	-277718.3	103504.6	2461.3	3107.7	-4286.4
94	-272527.1	105288.9	2168.3	3100.8	-4267.7
95	-266985.7	107060.2	1878.5	3093.9	-4249.1
96	-261096.3	108818.1	1590.0	3086.8	-4230.1
97	-254862.4	110562.9	1303.8	3079.6	-4211.2
98	-248288.1	112294.6	1020.4	3072.3	-4192.2
99	-241378.1	114012.7	740.3	3064.9	-4172.8
100	-234135.7	115717.8	462.3	3057.5	-4153.8
101	-226563.1	117409.4	185.7	3049.8	-4134.1
102	-218664.6	119087.6	-88.1	3042.1	-4114.5
103	-210442.2	120752.6	-360.6	3034.3	-4095.1
104	-201898.0	122403.6	-633.2	3025.7	-4074.2
105	-193033.6	124040.6	-906.4	3016.5	-4052.9
106	-183857.2	125663.4	-1173.3	3007.1	-4031.1
107	-174372.1	127272.3	-1438.1	2997.6	-4009.6
108	-164581.5	128866.6	-1700.8	2988.0	-3987.3
109	-154490.9	130446.8	-1959.5	2978.3	-3965.5
110	-144103.5	132013.0	-2216.1	2968.5	-3943.6
111	-133423.5	133564.8	-2469.6	2958.6	-3921.3
112	-122452.1	135102.5	-2722.9	2948.6	-3899.2
113	-111197.6	136625.8	-2969.7	2938.5	-3876.7
114	-99660.9	138135.0	-3216.4	2928.3	-3854.4
115	-87846.7	139630.0	-3459.7	2918.0	-3831.9

116	-76299.6	141111.3	-3260.5	2908.6	-3810.8
117	-65805.7	142581.8	-2413.5	2904.7	-3796.9
118	-55087.1	144042.0	-2598.9	2901.6	-3784.0
119	-44140.8	145491.8	-2787.2	2898.4	-3771.1
120	-32971.3	146931.1	-2972.4	2895.1	-3757.9
121	-21575.9	148360.2	-3159.9	2891.7	-3744.9
122	-9961.3	149778.6	-3342.7	2888.2	-3731.5
123	-8564.0	152156.4	2863.6	1678.7	-3722.2
124	3639.6	154535.6	-2267.6	1685.5	-3729.1
125	16211.2	156916.2	-2426.5	1692.3	-3735.9
126	29153.9	159297.8	-2587.2	1698.9	-3742.1
127	42467.3	161680.0	-2748.1	1705.4	-3748.0
128	56152.5	164063.1	-2909.7	1711.8	-3754.1
129	70211.1	166446.2	-3072.6	1718.0	-3759.0
130	94261.3	168540.6	-9440.9	2069.1	-3751.5
131	115869.7	170622.7	-8044.7	2065.2	-3736.1
132	137948.6	172691.9	-8323.0	2061.1	-3719.9
133	160500.9	174748.4	-8603.3	2057.0	-3703.9
134	183515.9	176792.1	-8877.8	2052.8	-3687.7
135	206991.4	178822.8	-9151.5	2048.4	-3671.2
136	230924.8	180840.7	-9424.0	2043.9	-3654.9
137	255307.3	182845.5	-9692.0	2039.4	-3638.1
138	280133.1	184836.8	-9957.1	2034.6	-3620.8
139	305407.3	186815.0	-10225.4	2029.8	-3603.9
140	331113.2	188779.8	-10484.5	2024.9	-3586.5
141	357253.2	190731.1	-10745.4	2019.9	-3569.0
142	379733.1	192670.0	-8643.9	2015.7	-3553.2
143	399811.0	194604.1	-7249.8	2019.5	-3551.4
144	420190.7	196532.6	-7415.4	2023.0	-3548.7
145	440884.1	198456.0	-7588.0	2026.5	-3546.4
146	461877.2	200374.1	-7752.9	2029.9	-3543.8
147	483168.8	202286.9	-7916.3	2033.7	-3541.6
148	504762.5	204195.3	-8080.3	2038.3	-3540.9
149	526654.2	206099.3	-8242.2	2042.7	-3539.9
150	548852.7	207998.5	-8409.6	2047.0	-3538.7
151	571341.8	209892.7	-8568.0	2051.2	-3536.9
152	594134.7	211781.8	-8734.3	2055.2	-3535.1
153	617227.9	213665.9	-8898.9	2059.2	-3533.4
154	640615.2	215544.7	-9060.3	2063.1	-3531.1
155	664293.4	217416.5	-9223.3	2065.4	-3525.9
156	688258.6	219282.2	-9382.1	2068.5	-3522.3
157	712506.1	221143.4	-9535.1	2073.3	-3521.7
158	737041.2	222999.7	-9691.4	2077.8	-3520.4
159	761864.7	224850.9	-9848.5	2082.3	-3518.9
160	786975.4	226696.9	-10005.3	2086.7	-3517.2
161	812375.3	228537.8	-10163.5	2090.9	-3515.4
162	838054.5	230373.1	-10316.4	2095.0	-3513.2
163	864019.3	232202.9	-10473.3	2099.1	-3510.9
164	890256.8	234026.9	-10623.0	2102.9	-3508.2
165	916776.9	235844.8	-10778.8	2106.7	-3505.1
166	943573.1	237656.7	-10931.2	2110.4	-3502.1
167	970639.0	239462.4	-11080.1	2113.9	-3498.6
168	997976.5	241261.8	-11230.5	2117.4	-3495.1
169	1025589.1	243054.8	-11383.3	2120.7	-3491.5
170	1053336.8	244871.3	-11376.8	2159.5	-3546.0
171	1081678.2	246666.5	-11753.0	2145.4	-3513.5
172	1110208.1	248440.3	-11894.2	2131.2	-3480.7
173	1138935.7	250193.3	-12041.0	2117.0	-3448.4
174	1167844.0	251924.8	-12178.3	2102.6	-3415.5
175	1196941.6	253635.2	-12320.9	2088.1	-3382.8
176	1226211.5	255324.6	-12453.9	2073.6	-3350.0
177	1255649.1	256992.9	-12584.6	2058.9	-3317.3
178	1257177.0	258646.5	3643.7	2051.9	-3296.9
179	1246432.7	260309.8	10843.9	2075.5	-3325.5
180	1235505.7	261982.9	11007.3	2098.9	-3354.1
181	1224374.9	263665.0	11182.8	2122.2	-3381.8
182	1213048.9	265356.0	11353.2	2145.4	-3409.2
183	1201523.3	267055.6	11525.9	2168.5	-3436.4
184	1189791.0	268763.4	11702.7	2191.4	-3462.8
185	1177843.8	270479.0	11884.0	2214.2	-3488.9
186	1165697.3	272202.4	12056.0	2236.9	-3514.8

187	1153332.2	273932.9	12239.3	2259.4	-3540.0
188	1140751.7	275670.5	12420.3	2281.8	-3565.1
189	1127947.4	277414.6	12606.2	2304.0	-3589.4
190	1114929.2	279165.3	12786.2	2326.2	-3613.6
191	1101677.9	280921.7	12977.2	2348.2	-3637.1
192	1088202.7	282683.8	13162.7	2370.1	-3660.2
193	1074505.5	284451.7	13346.8	2391.9	-3683.5
194	1060567.4	286224.5	13541.9	2413.5	-3705.8
195	1046403.9	288002.3	13727.8	2435.1	-3728.0
196	1075766.3	289777.1	-11690.6	2446.4	-3734.0
197	1125699.2	291517.5	-23795.0	2413.6	-3673.4
198	1175987.2	293223.2	-24080.1	2380.6	-3612.3
199	1226628.4	294895.0	-24364.3	2347.7	-3552.0
200	1277590.3	296532.6	-24630.0	2314.6	-3491.3
201	1328882.7	298136.7	-24901.7	2281.5	-3431.3
202	1362258.4	299707.4	-14488.4	2248.4	-3371.4
203	1377608.0	301265.0	-3939.6	2244.8	-3355.4
204	1392997.9	302810.2	-3970.4	2241.1	-3340.0
205	1408406.8	304342.5	-3989.0	2237.2	-3324.1
206	1423830.6	305862.0	-4005.3	2233.3	-3308.1
207	1439289.4	307368.8	-4033.8	2229.3	-3292.3
208	1454204.2	308862.7	-3723.0	2225.2	-3276.0
209	1437492.6	310352.3	14850.5	2234.1	-3278.8
210	1420502.1	311845.6	15067.5	2255.2	-3299.4
211	1403307.8	313342.6	15240.4	2276.1	-3319.9
212	1691727.9	252841.3	183000.0	81030.2	-4394.3
213	1097315.0	254344.5	354277.9	2317.7	-3359.4
214	1108701.0	255850.3	-1387.1	2338.3	-3378.4
215	1188419.8	257315.5	-41635.3	2291.4	-3300.3
216	1268786.7	258727.2	-42178.0	2223.8	-3192.6
217	1266789.0	260107.1	6147.7	2189.9	-3133.8
218	1253496.5	261490.1	12837.4	2210.2	-3153.1
219	1239994.7	262875.3	13011.3	2230.2	-3171.3
220	1226301.3	264262.6	13174.6	2250.2	-3189.5
221	1501597.5	203966.4	183000.0	80556.3	-4219.7
222	918487.5	205357.0	348370.8	2289.8	-3224.5
223	908895.1	206748.9	10911.2	2309.5	-3241.6
224	899095.4	208142.0	11082.4	2329.0	-3258.3
225	889092.5	209535.9	11251.1	2348.4	-3274.7
226	880401.3	210930.1	10527.2	2367.7	-3290.4
227	877483.5	212321.4	7160.0	2380.9	-3298.1
228	874444.1	213707.4	7259.4	2391.4	-3301.3
229	871278.3	215088.8	7361.5	2401.8	-3304.9
230	867970.9	216464.7	7472.3	2412.1	-3307.6
231	864533.0	217835.1	7576.4	2422.3	-3310.4
232	866503.6	219199.9	4412.6	2432.4	-3312.9
233	887619.4	220548.1	-6903.8	2422.7	-3288.4
234	908882.2	221875.4	-7030.1	2405.4	-3253.8
235	930240.3	223182.4	-7126.1	2388.0	-3219.5
236	951684.3	224468.4	-7217.0	2370.5	-3184.5
237	973222.1	225734.2	-7312.6	2353.0	-3150.3
238	993917.3	226979.6	-6855.5	2335.4	-3115.7
239	1010112.6	228207.1	-4227.9	2321.6	-3086.8
240	1026327.1	229417.3	-4266.2	2309.6	-3060.0
241	1042572.8	230610.5	-4311.9	2297.5	-3033.2
242	1058856.0	231786.9	-4361.4	2285.4	-3006.7
243	1075166.3	232946.3	-4405.1	2273.1	-2979.9
244	1091500.5	234089.0	-4447.2	2260.8	-2953.3
245	1107858.5	235214.8	-4489.5	2248.3	-2926.5
246	1124234.6	236323.8	-4528.7	2235.8	-2899.6
247	1140639.7	237416.2	-4574.5	2223.2	-2873.0
248	1157054.0	238492.0	-4609.0	2210.5	-2846.1
249	1173485.2	239551.0	-4648.3	2197.7	-2819.1
250	1189939.7	240594.0	-4691.5	2184.9	-2792.9
251	1206396.5	241620.5	-4722.6	2171.9	-2765.9
252	1222869.1	242630.8	-4761.9	2158.9	-2739.3
253	1239346.1	243624.7	-4794.8	2145.7	-2712.3
254	1255833.9	244602.6	-4831.7	2132.5	-2685.7
255	1272318.1	245564.2	-4860.3	2119.1	-2658.8
256	1288817.5	246510.2	-4900.3	2105.7	-2632.4
257	1305308.9	247440.0	-4926.8	2092.2	-2605.5

258	1321800.1	248354.1	-4958.2	2078.7	-2578.9
259	1338296.3	249252.5	-4993.0	2065.0	-2552.2
260	1354781.4	250135.3	-5018.3	2051.2	-2525.6
261	1371264.2	251002.6	-5049.3	2037.4	-2499.0
262	1387730.7	251854.2	-5072.2	2023.4	-2472.1
263	1404195.0	252690.4	-5103.6	2009.4	-2445.5
264	1420651.9	253511.3	-5132.2	1995.2	-2418.9
265	1437089.3	254317.0	-5153.9	1981.0	-2392.3
266	1453515.2	255107.7	-5180.6	1966.7	-2365.7
267	1441859.9	255887.9	11519.7	1964.0	-2353.1
268	1426654.5	256664.8	13671.4	1979.1	-2361.9
269	1411310.2	257438.1	13793.5	1994.1	-2370.3
270	1395831.9	258207.6	13912.5	2009.0	-2378.5
271	1380218.8	258973.2	14031.8	2023.8	-2386.4
272	1557175.6	199388.0	183000.0	78332.8	-3150.1
273	1034669.3	200145.5	316117.8	2053.1	-2401.7
274	1153971.7	200871.4	-66428.7	1993.5	-2322.5
275	1280744.9	201533.9	-71248.7	1843.3	-2138.8
276	1407812.2	202134.5	-71791.9	1693.2	-1956.7
277	1412516.1	202696.4	961.8	1606.2	-1848.2
278	1390972.4	142574.9	183000.0	78120.2	-2443.4
279	972770.3	82492.3	183000.0	78085.3	-2454.4
280	563968.6	22448.1	183000.0	78050.6	-2465.0
281	149865.6	22998.2	251100.8	1662.4	-1881.4
282	151714.2	23544.8	2835.8	1676.1	-1889.0
283	153457.5	24087.9	2932.3	1689.8	-1896.5
284	155096.0	24627.0	3028.3	1703.4	-1903.3
285	156627.7	25162.3	3125.3	1716.9	-1910.4
286	158054.5	25693.5	3221.0	1730.3	-1916.9
287	159375.3	26220.5	3317.1	1743.6	-1923.5
288	160591.2	26743.0	3412.4	1756.8	-1929.5
289	161701.2	27261.1	3508.1	1769.9	-1935.6
290	162159.0	27774.7	3930.3	1782.9	-1941.4
291	160839.7	28287.1	5058.5	1809.7	-1961.8
292	159356.7	28799.7	5232.0	1840.9	-1986.9
293	157717.9	29311.8	5400.5	1872.0	-2011.4
294	157680.7	29822.2	4505.6	1898.3	-2030.7
295	158123.1	30326.9	4249.5	1910.8	-2035.0
296	158459.9	30825.5	4343.8	1923.2	-2038.8
297	158689.8	31318.2	4438.6	1935.5	-2042.7
298	158815.5	31804.4	4531.6	1947.7	-2046.1
299	158835.7	32284.3	4625.2	1959.8	-2049.5
300	158753.4	32757.5	4716.8	1971.8	-2052.4
301	158567.1	33224.5	4809.1	1983.7	-2055.7
302	158280.5	33684.4	4899.0	1995.6	-2058.1
303	157892.4	34137.5	4989.5	2007.3	-2060.7
304	157404.1	34583.5	5078.9	2018.9	-2063.0
305	156817.8	35022.2	5166.9	2030.5	-2064.8
306	156132.2	35453.5	5255.4	2041.9	-2066.7
307	155350.0	35877.5	5342.0	2053.2	-2068.4
308	154471.9	36293.9	5428.2	2064.5	-2069.8
309	153499.9	36702.6	5512.9	2075.7	-2071.1
310	152434.7	37103.5	5596.9	2086.7	-2072.1
311	152278.8	37496.3	5076.7	2097.1	-2072.4
312	152883.2	37878.7	4619.8	2096.5	-2061.4
313	153422.0	38251.1	4659.0	2095.8	-2050.9
314	153900.3	38613.1	4695.1	2095.0	-2039.7
315	154315.0	38965.1	4732.6	2094.1	-2029.1
316	154671.3	39306.6	4767.1	2093.1	-2017.8
317	155711.8	39637.8	4354.1	2092.0	-2006.7
318	164253.0	39954.3	-233.6	2061.7	-1967.6
319	172847.3	40253.3	-385.8	2011.1	-1909.7
320	181459.6	40535.6	-517.1	1960.4	-1852.4
321	183896.5	40801.9	3097.2	1915.4	-1800.3
322	181995.8	41060.5	5736.4	1925.4	-1800.6
323	180022.7	41311.1	5805.2	1935.2	-1800.5
324	177978.3	41553.3	5873.3	1945.0	-1799.9
325	175861.6	41787.5	5941.5	1954.7	-1799.7
326	173677.7	42013.3	6006.6	1964.3	-1799.0
327	171426.3	42230.7	6071.7	1973.8	-1798.1
328	169108.8	42439.4	6135.7	1983.2	-1797.0

329	166726.2	42639.5	6198.9	1992.5	-1795.8
330	164281.1	42830.8	6260.3	2001.7	-1794.4
331	161774.7	43013.1	6320.8	2010.8	-1792.8
332	159207.8	43186.8	6380.6	2019.9	-1791.3
333	156584.6	43351.3	6437.6	2028.8	-1789.4
334	153905.2	43506.6	6494.5	2037.7	-1787.3
335	151170.2	43652.9	6550.6	2046.4	-1785.3
336	148384.4	43789.9	6603.8	2055.1	-1782.8
337	145547.4	43917.3	6656.9	2063.7	-1780.2
338	142660.2	44035.4	6709.2	2072.2	-1777.7
339	139728.4	44143.6	6758.0	2080.6	-1774.4
340	136748.4	44242.2	6808.7	2088.9	-1771.6
341	135434.0	44331.4	5821.5	2097.1	-1768.6
342	136399.6	44409.8	4413.6	2085.1	-1748.4
343	137332.7	44477.6	4401.6	2071.5	-1726.8
344	138232.0	44534.8	4390.3	2057.8	-1705.3
345	139098.2	44581.9	4378.1	2044.0	-1684.1
346	139932.2	44618.8	4365.4	2030.1	-1662.7
347	140732.3	44645.8	4353.2	2016.1	-1641.7
348	141501.8	44662.8	4339.0	2002.0	-1620.4
349	142236.9	44670.0	4326.7	1987.8	-1599.1
350	142938.3	44667.6	4313.8	1973.6	-1578.3
351	143273.6	44655.7	4502.5	1959.2	-1557.2
352	138533.3	44634.4	7588.6	1961.0	-1549.3
353	133771.7	44603.3	7637.8	1975.4	-1550.9
354	128990.2	44562.4	7685.7	1989.6	-1552.6
355	124192.9	44511.4	7731.0	2003.8	-1553.8
356	123233.5	44450.2	5424.5	2013.7	-1551.5
357	124520.0	44380.1	4014.6	1994.5	-1527.2
358	125774.4	44300.9	3988.7	1975.3	-1502.8
359	126994.3	44213.1	3963.8	1956.0	-1478.7
360	128182.0	44117.0	3937.4	1936.6	-1454.8
361	129337.3	44012.3	3910.9	1917.1	-1430.7
362	130458.4	43899.4	3885.2	1897.5	-1406.7
363	131544.9	43778.6	3859.5	1877.8	-1383.1
364	132598.2	43650.0	3832.7	1858.0	-1359.4
365	133616.8	43513.9	3806.6	1838.1	-1336.0
366	132700.8	43370.3	4946.7	1822.1	-1315.7
367	131285.9	43218.2	5235.0	1815.3	-1301.8
368	129852.6	43058.1	5230.5	1808.3	-1288.1
369	128401.8	42889.9	5225.1	1801.3	-1274.5
370	126934.6	42713.6	5218.9	1794.2	-1260.6
371	125450.1	42529.3	5213.0	1787.0	-1247.0
372	123951.1	42337.3	5205.1	1779.8	-1233.4
373	122437.9	42137.3	5196.8	1772.4	-1219.5
374	120909.8	41929.7	5188.8	1764.9	-1205.9
375	119369.6	41714.3	5178.8	1757.4	-1192.0
376	117815.9	41491.3	5169.3	1749.7	-1178.4
377	116251.5	41261.1	5157.9	1742.0	-1164.8
378	114676.7	41023.2	5146.2	1734.1	-1151.0
379	113090.9	40778.1	5134.6	1726.2	-1137.4
380	111496.4	40526.0	5121.2	1718.2	-1123.9
381	109893.4	40266.5	5107.6	1710.1	-1110.1
382	108281.7	40000.4	5093.7	1701.8	-1096.8
383	106664.9	39726.9	5077.6	1693.6	-1082.8
384	105040.2	39446.9	5062.8	1685.2	-1069.6
385	103411.1	39160.0	5045.8	1676.7	-1055.9
386	101775.9	38866.5	5029.3	1668.1	-1042.5
387	100137.4	38566.6	5011.2	1659.4	-1029.1
388	98495.2	38260.0	4992.9	1650.7	-1015.4
389	96850.1	37947.3	4973.9	1641.8	-1002.1
390	95203.1	37628.3	4954.0	1632.8	-988.8
391	93555.1	37303.1	4933.4	1623.8	-975.2
392	91905.4	36971.9	4912.9	1614.7	-962.0
393	90255.9	36634.9	4891.1	1605.4	-948.7
394	88608.1	36292.1	4868.0	1596.1	-935.5
395	86961.0	35943.5	4845.4	1586.7	-922.1
396	85315.2	35589.7	4822.0	1577.2	-909.3
397	83673.1	35230.2	4797.1	1567.5	-895.9
398	82034.2	34865.4	4772.2	1557.8	-882.9
399	80399.5	34495.3	4746.5	1548.0	-869.6

400	78768.6	34120.3	4720.6	1538.1	-856.9
401	77143.5	33740.2	4693.5	1528.2	-843.7
402	75524.1	33355.3	4666.0	1518.1	-830.9
403	73910.8	32965.7	4638.0	1507.9	-818.0
404	72305.1	32571.3	4609.0	1497.6	-805.0
405	70706.5	32172.7	4579.9	1487.2	-792.5
406	69116.9	31769.5	4549.5	1476.8	-779.6
407	67675.8	31362.3	4432.4	1466.0	-766.8
408	66315.1	30951.3	4353.5	1453.6	-753.2
409	64958.5	30536.8	4321.2	1441.2	-739.8
410	63607.4	30119.1	4287.8	1428.6	-726.5
411	62262.6	29698.5	4253.6	1416.0	-713.4
412	60924.9	29274.7	4218.7	1403.2	-700.0
413	59593.2	28847.9	4184.2	1390.4	-686.7
414	58268.8	28418.6	4148.7	1377.5	-673.9
415	56952.8	27986.7	4112.3	1364.4	-660.8
416	55644.2	27552.3	4076.2	1351.3	-647.9
417	54344.4	27115.8	4039.1	1338.1	-635.1
418	53053.7	26677.3	4001.4	1324.8	-622.4
419	51773.0	26236.7	3963.0	1311.3	-609.6
420	50501.8	25794.6	3924.6	1297.8	-597.3
421	49241.2	25350.8	3885.4	1284.2	-584.7
422	47990.9	24905.8	3846.0	1270.5	-572.5
423	46749.1	24459.4	3807.4	1256.7	-560.0
424	45525.1	24011.8	3763.0	1242.8	-547.7
425	44309.5	23563.5	3724.0	1228.7	-535.8
426	43106.4	23114.6	3682.3	1214.6	-523.8
427	41915.9	22664.9	3640.2	1200.4	-511.7
428	40738.5	22215.0	3597.7	1186.1	-499.9
429	39574.4	21764.8	3554.6	1171.7	-488.2
430	38423.9	21314.7	3511.3	1157.1	-476.6
431	37287.6	20864.6	3467.2	1142.5	-465.0
432	36165.2	20415.1	3423.1	1127.8	-453.7
433	35058.0	19966.0	3377.9	1113.0	-442.3
434	33965.3	19517.7	3332.9	1098.1	-431.1
435	32888.1	19070.3	3287.0	1083.1	-420.0
436	31826.3	18624.0	3241.0	1067.9	-409.0
437	30780.4	18179.0	3194.4	1052.7	-398.1
438	29750.7	17735.6	3147.3	1037.4	-387.4
439	28737.5	17293.7	3099.8	1022.0	-376.6
440	27643.5	16853.4	3114.0	1007.1	-366.3
441	26568.5	16414.5	3068.0	993.0	-356.4
442	25514.8	15977.3	3020.5	978.8	-346.6
443	24483.0	15541.7	2972.3	964.4	-336.8
444	23472.6	15108.0	2924.1	950.0	-327.2
445	22484.4	14676.6	2875.2	935.5	-317.7
446	21518.1	14247.5	2826.1	920.8	-308.4
447	20574.2	13820.9	2776.6	906.1	-299.1
448	19652.8	13397.0	2726.7	891.2	-289.8
449	18753.8	12976.1	2676.6	876.3	-280.9
450	17877.4	12558.3	2626.1	861.2	-272.0
451	17023.6	12143.6	2575.4	846.1	-262.9
452	16192.3	11732.6	2524.5	830.8	-254.3
453	15383.9	11325.2	2473.1	815.4	-245.6
454	14598.3	10921.7	2421.5	799.9	-237.2
455	13835.6	10522.3	2369.5	784.4	-228.8
456	13095.7	10127.2	2317.3	768.7	-220.6
457	12378.6	9736.7	2265.0	752.9	-212.5
458	11684.2	9350.9	2212.3	737.0	-204.4
459	11012.6	8969.9	2159.4	721.0	-196.5
460	10363.5	8594.2	2106.4	704.9	-188.8
461	9737.2	8223.8	2053.0	688.7	-181.2
462	9133.3	7858.9	1999.5	672.3	-173.6
463	8551.7	7499.9	1945.8	655.9	-166.2
464	7992.4	7146.8	1892.0	639.4	-159.0
465	7455.2	6799.9	1837.9	622.7	-151.8
466	6939.8	6459.5	1783.7	606.0	-144.9
467	6446.3	6125.8	1729.3	589.1	-138.1
468	5974.3	5799.0	1674.8	572.1	-131.4
469	5523.7	5479.2	1620.2	555.1	-124.8
470	5094.2	5166.8	1565.4	537.9	-118.4

471	4673.1	4862.0	1518.3	520.6	-112.1
472	4263.3	4564.1	1472.5	504.5	-106.2
473	3876.1	4273.5	1419.2	488.4	-100.5
474	3511.3	3990.3	1365.9	472.1	-94.9
475	3168.3	3714.8	1312.7	455.7	-89.4
476	2846.8	3447.2	1259.4	439.2	-84.1
477	2546.3	3187.7	1206.1	422.6	-79.0
478	2266.3	2936.5	1152.9	405.9	-73.9
479	2006.2	2693.8	1099.8	389.1	-69.0
480	1765.6	2460.0	1046.7	372.1	-64.2
481	1544.0	2235.2	993.8	355.1	-59.6
482	1340.7	2019.7	940.9	338.0	-55.1
483	1155.1	1813.7	888.1	320.7	-50.8
484	986.5	1617.4	835.4	303.3	-46.6
485	834.4	1431.0	783.0	285.8	-42.5
486	698.1	1254.9	730.6	268.2	-38.7
487	576.8	1089.3	678.5	250.5	-34.9
488	469.8	934.3	626.5	232.6	-31.4
489	376.3	790.3	574.8	214.7	-27.9
490	295.7	657.4	523.3	196.6	-24.6
491	226.9	536.0	472.0	178.5	-21.5
492	169.4	426.3	421.0	160.2	-18.6
493	122.0	328.5	370.3	141.8	-15.8
494	84.1	242.9	319.8	123.2	-13.1
495	54.6	169.8	269.7	104.6	-10.7
496	32.6	109.4	219.9	85.8	-8.3
497	17.2	61.9	170.5	67.0	-6.2
498	7.3	27.7	121.4	48.0	-4.2
499	1.9	7.0	72.7	28.9	-2.4
500	0.0	0.0	24.4	9.7	-0.8

Σ				1362827.3	-1090805.3
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VERIFICA STABILITA' DEI PENDII

 Sezione L-L - Condizione Sismica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici :-0.116
 Coefficiente sismico verticale : 0.058
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
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Falda	1	251.420	223.460
Falda	2	260.940	221.950
Falda	3	265.660	221.500
Falda	4	270.910	221.690
Falda	5	280.890	220.580
Falda	6	285.940	220.250
Falda	7	290.930	220.250
Falda	8	295.590	219.850
Falda	9	306.160	217.030
Falda	10	311.210	216.640
Falda	11	315.930	216.570
Falda	12	327.750	216.180
Falda	13	332.670	215.920
Falda	14	340.810	215.980
Falda	15	366.270	214.210
Falda	16	371.000	213.820
Falda	17	376.250	213.290
Falda	18	386.160	213.750
Falda	19	396.390	214.140
Falda	20	402.370	214.210
Falda	21	407.680	214.670
Falda	22	415.560	214.280
Falda	23	418.510	213.490
Falda	24	422.190	213.950
Falda	25	424.880	212.370
Falda	26	427.630	211.450
Falda	27	429.930	211.450
Falda	28	430.390	210.800
Falda	29	435.770	210.400
Falda	30	445.480	206.340
Falda	31	449.220	205.220
Falda	32	453.230	205.150
Falda	33	455.260	202.460
Falda	34	456.710	202.790
Falda	35	470.160	202.590
Falda	36	473.970	201.150
Falda	37	480.530	201.150
Falda	38	484.860	200.100
Falda	39	501.990	196.880
Falda	40	518.530	194.460
Falda	41	541.170	190.850
Falda	42	571.420	186.060
Falda	43	578.380	184.680
Falda	44	584.160	184.150
Falda	45	590.920	182.580
Falda	46	595.970	182.120
Falda	47	606.080	179.890
Falda	48	610.470	179.160

Falda	49	627.210	174.700
Falda	50	628.520	174.700
Falda	51	639.480	171.360
Falda	52	647.030	169.060
Falda	53	649.000	168.800
Falda	54	656.870	165.910
Pendio	1	252.570	230.810
Pendio	2	260.750	235.590
Pendio	3	270.620	236.590
Pendio	4	281.290	237.980
Pendio	5	285.960	238.400
Pendio	6	291.010	239.040
Pendio	7	300.670	241.580
Pendio	8	310.970	242.750
Pendio	9	316.010	243.020
Pendio	10	320.790	242.700
Pendio	11	330.870	240.790
Pendio	12	341.170	240.100
Pendio	13	346.110	239.620
Pendio	14	350.880	238.290
Pendio	15	360.810	236.910
Pendio	16	366.010	236.540
Pendio	17	375.940	236.590
Pendio	18	381.040	235.160
Pendio	19	390.860	230.220
Pendio	20	396.110	227.780
Pendio	21	401.000	224.920
Pendio	22	415.170	218.120
Pendio	23	422.280	218.020
Pendio	24	424.720	216.370
Pendio	25	427.280	215.570
Pendio	26	429.550	215.570
Pendio	27	430.490	214.550
Pendio	28	434.310	214.550
Pendio	29	436.670	214.300
Pendio	30	439.060	213.240
Pendio	31	450.220	209.100
Pendio	32	452.960	209.100
Pendio	33	454.170	206.600
Pendio	34	459.550	206.600
Pendio	35	460.930	206.920
Pendio	36	467.720	206.920
Pendio	37	470.270	206.550
Pendio	38	471.650	205.490
Pendio	39	479.610	205.490
Pendio	40	483.700	204.370
Pendio	41	485.450	204.530
Pendio	42	489.330	203.260
Pendio	43	505.570	200.660
Pendio	44	518.470	198.320
Pendio	45	530.890	196.300
Pendio	46	545.760	194.130
Pendio	47	551.060	193.490
Pendio	48	556.050	192.380
Pendio	49	559.080	192.060
Pendio	50	576.010	189.560
Pendio	51	578.510	189.300
Pendio	52	580.840	188.450
Pendio	53	584.350	188.240
Pendio	54	587.900	187.390
Pendio	55	600.010	185.420
Pendio	56	611.000	183.190
Pendio	57	625.060	179.690
Pendio	58	632.230	177.670
Pendio	59	640.510	175.500
Pendio	60	658.350	169.820
2	1	256.350	233.019
2	2	256.350	231.890
2	3	261.250	234.570
2	4	275.950	236.260
2	5	285.900	237.560

2	6	291.340	237.980
2	7	295.900	239.360
2	8	300.910	240.280
2	9	310.900	241.810
2	10	316.110	241.810
2	11	320.890	241.390
2	12	325.710	240.770
2	13	330.650	239.630
2	14	341.060	239.010
2	15	350.830	237.440
2	16	360.740	235.800
2	17	366.100	235.380
2	18	376.010	235.450
2	19	380.840	234.300
2	20	385.850	231.660
2	21	390.640	229.290
2	22	395.880	226.300
2	23	400.970	223.740
2	24	405.870	221.250
2	25	412.910	218.150
2	26	412.910	219.205
3	1	257.360	232.442
3	2	257.360	231.770
3	3	265.680	228.110
3	4	270.820	225.900
3	5	276.050	223.130
3	6	280.990	222.730
3	7	295.740	221.800
3	8	305.860	218.910
3	9	311.160	218.870
3	10	315.990	218.430
3	11	320.850	218.470
3	12	325.950	218.100
3	13	336.040	218.100
3	14	340.940	217.780
3	15	346.000	217.740
3	16	355.690	217.100
3	17	366.090	216.380
3	18	370.830	215.930
3	19	375.820	215.690
3	20	385.940	215.650
3	21	390.920	215.930
3	22	396.310	216.060
3	23	402.860	216.380
3	24	406.390	216.740
3	25	411.940	217.940
3	26	411.940	218.577
4	1	256.660	232.060
4	2	256.660	230.910
4	3	262.660	228.500
4	4	265.780	226.980
4	5	270.680	224.620
4	6	275.870	222.000
4	7	286.090	221.320
4	8	295.840	221.030
4	9	300.780	219.300
4	10	306.060	218.160
4	11	315.980	217.480
4	12	320.960	217.480
4	13	327.510	217.100
4	14	341.020	217.060
4	15	350.860	216.430
4	16	360.690	215.710
4	17	370.950	214.990
4	18	375.980	214.610
4	19	380.920	214.610
4	20	386.110	214.650
4	21	391.050	215.030
4	22	396.370	215.030
4	23	401.060	215.370
4	24	406.000	215.580

4	25	410.560	216.640
4	26	414.400	217.780
4	27	414.400	218.490
5	1	406.990	215.810
5	2	406.990	214.920
5	3	415.160	208.920
5	4	428.385	208.920
5	5	428.385	215.570
6	1	256.790	230.858
6	2	256.790	216.970
6	3	258.970	216.420
6	4	265.890	216.420
6	5	272.210	215.310
6	6	279.900	215.380
6	7	286.070	214.790
6	8	291.250	213.980
6	9	300.710	213.870
6	10	307.850	213.200
6	11	317.200	210.390
6	12	325.480	210.390
6	13	331.250	209.690
6	14	350.030	209.620
6	15	360.710	209.250
6	16	370.880	208.290
6	17	376.390	207.990
6	18	381.930	207.250
6	19	390.440	207.100
6	20	396.240	207.070
6	21	402.410	207.550
6	22	404.480	207.510
6	23	409.960	206.770
6	24	416.800	205.810
6	25	422.900	205.770
6	26	427.260	203.260
6	27	428.385	203.291
6	28	428.385	208.920
7	1	428.385	203.291
7	2	428.385	189.070
7	3	428.855	189.070
7	4	428.855	215.570
8	1	428.855	215.570
8	2	428.855	208.920
8	3	431.855	208.920
8	4	431.855	214.550
9	1	428.855	215.570
9	2	428.855	203.310
9	3	429.730	203.330
9	4	431.030	202.560
9	5	431.855	202.564
9	6	431.855	208.920
10	1	431.855	202.564
10	2	431.855	184.550
10	3	432.585	184.550
10	4	432.585	214.550
11	1	432.585	214.550
11	2	432.585	208.920
11	3	449.230	208.920
11	4	449.230	209.467
12	1	432.585	214.550
12	2	432.585	202.575
12	3	434.210	202.590
12	4	442.640	198.790
12	5	444.490	198.120
12	6	450.290	197.050
12	7	451.250	196.940
12	8	452.070	196.940
12	9	452.070	209.100
13	1	452.070	196.940
13	2	452.070	187.100
13	3	452.690	187.100
13	4	452.690	209.100

14	1	452.690	209.100
14	2	452.690	196.940
14	3	453.060	196.940
14	4	454.020	194.600
14	5	454.430	194.550
14	6	454.430	206.600
15	1	454.430	194.550
15	2	454.430	176.600
15	3	455.730	176.600
15	4	455.730	194.511
16	1	455.730	206.600
16	2	455.730	194.511
16	3	460.900	194.460
16	4	467.480	195.010
16	5	468.180	194.460
16	6	470.030	194.500
16	7	471.330	193.500
16	8	478.870	193.420
16	9	493.580	190.280
16	10	505.340	188.320
16	11	518.540	186.030
16	12	530.920	184.370
16	13	535.650	183.260
16	14	555.870	180.450
16	15	559.020	179.820
16	16	566.150	178.930
16	17	575.990	177.310
16	18	594.140	174.310
16	19	595.990	174.130
16	20	606.930	171.690
16	21	618.950	168.800
16	22	628.930	165.920
16	23	631.920	165.220
16	24	631.920	177.757

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
6	Fila 1	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.40
8	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
9	Fila 2	2500.0	18.30	0.00	1.00
10	ARGINE	1900.0	0.40	25.00	0.40
11	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
12	Fila 3	2500.0	18.30	0.00	1.00
13	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
14	Fila 4	2500.0	18.30	0.00	1.00
15	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
16	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	505.75	561.44	364.84
2	464.61	413.86	212.88
3	505.37	475.77	282.55
4	516.68	464.66	274.59
5	479.68	464.14	265.16
6	498.02	469.31	274.59
7	482.54	403.30	206.87
8	470.35	388.11	188.91
9	497.65	422.40	229.84

10	517.23	663.53	467.93
11	505.90	486.05	292.40
12	513.26	520.75	327.46
13	489.71	454.11	257.95
14	511.18	472.42	281.11

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di Janbu

RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	505.75	561.44	364.84	1.334	1
1	505.75	561.44	364.84	1.359	2
2	464.61	413.86	212.88	1.357	1
2	464.61	413.86	212.88	1.390	2
3	505.37	475.77	282.55	1.167	1
3	505.37	475.77	282.55	1.185	2
4	516.68	464.66	274.59	1.149	1
4	516.68	464.66	274.59	1.164	2
5	479.68	464.14	265.16	1.260	1
5	479.68	464.14	265.16	1.283	2
6	498.02	469.31	274.59	1.236	1
6	498.02	469.31	274.59	1.260	2
7	482.54	403.30	206.87	1.210	1
7	482.54	403.30	206.87	1.235	2
8	470.35	388.11	188.91	1.271	1
8	470.35	388.11	188.91	1.302	2
9	497.65	422.40	229.84	1.266	1
9	497.65	422.40	229.84	1.294	2
10	517.23	663.53	467.93	1.206	1
10	517.23	663.53	467.93	1.216	2
11	505.90	486.05	292.40	1.242	1
11	505.90	486.05	292.40	1.266	2
12	513.26	520.75	327.46	1.076	1
12	513.26	520.75	327.46	1.084	2
13	489.71	454.11	257.95	1.300	1
13	489.71	454.11	257.95	1.329	2
14	511.18	472.42	281.11	1.164	1
14	511.18	472.42	281.11	1.182	2

CERCHIO CRITICO N° 12

Larghezza del concio.....=0.395

Situazione di carico numero 1

Coefficiente di sicurezza F =1.076

Coefficiente di forma =0.07921

Coefficiente F/Fo =1.04705

Numero iterazioni = 2

Precisione =0.00061

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-30.84	0.460	0.120	19.6	78.3	-8.6
2	-30.76	0.459	0.120	19.6	234.6	-25.7
3	-30.68	0.459	0.120	19.6	379.8	-41.6
4	-30.60	0.458	0.120	19.6	477.9	-52.4
5	-30.52	0.458	0.120	19.6	575.5	-63.1
6	-30.44	0.458	0.120	19.6	672.5	-73.7
7	-30.36	0.457	0.120	19.6	768.8	-84.3
8	-30.28	0.457	0.120	19.6	864.6	-94.8
9	-30.20	0.457	0.008	19.6	940.6	-103.1
10	-30.12	0.456	0.008	19.6	993.7	-109.0
11	-30.04	0.456	0.008	19.6	1046.4	-114.7
12	-29.96	0.456	0.008	19.6	1098.6	-120.5
13	-29.88	0.455	0.008	19.6	1150.5	-126.1
14	-29.80	0.455	0.008	19.6	1202.0	-131.8
15	-29.72	0.454	0.008	19.6	1257.4	-137.9
16	-29.64	0.454	0.008	19.6	1352.4	-148.3
17	-29.56	0.454	0.008	19.6	1446.9	-158.6
18	-29.48	0.453	0.008	19.6	1541.1	-169.0
19	-29.40	0.453	0.008	19.6	1634.9	-179.2
20	-29.32	0.453	0.008	19.6	1728.2	-189.5
21	-29.24	0.452	0.008	19.6	1821.3	-199.7
22	-29.16	0.452	0.008	19.6	1913.8	-209.8
23	-29.09	0.452	0.008	19.6	2006.1	-219.9
24	-29.01	0.451	0.008	19.6	2097.9	-230.0
25	-28.93	0.451	0.008	19.6	2189.3	-240.0
26	-28.85	0.451	0.008	19.6	2280.4	-250.0
27	-28.77	0.450	0.008	19.6	2371.1	-260.0
28	-28.69	0.450	0.008	19.6	2461.4	-269.9
29	-28.61	0.450	0.008	19.6	2551.3	-279.7
30	-28.53	0.449	0.008	19.6	2640.8	-289.5
31	-28.46	0.449	0.008	19.6	2729.9	-299.3
32	-28.38	0.449	0.008	19.6	2818.7	-309.0
33	-28.30	0.448	0.008	19.6	2907.1	-318.7
34	-28.22	0.448	0.008	19.6	2995.1	-328.4
35	-28.14	0.448	0.008	19.6	3082.7	-338.0
36	-28.06	0.447	0.008	19.6	3170.0	-347.6
37	-27.99	0.447	0.008	19.6	3256.9	-357.1
38	-27.91	0.447	0.008	19.6	3343.4	-366.6
39	-27.83	0.446	0.008	19.6	3429.5	-376.0
40	-27.75	0.446	0.008	19.6	3514.3	-385.3
41	-27.67	0.446	0.008	19.6	3610.9	-395.9
42	-27.60	0.445	0.008	19.6	3708.6	-406.6
43	-27.52	0.445	0.008	19.6	3805.8	-417.3
44	-27.44	0.445	0.008	19.6	3902.7	-427.9
45	-27.36	0.444	0.008	19.6	3999.2	-438.5
46	-27.28	0.444	0.008	19.6	4095.4	-449.0
47	-27.21	0.444	0.008	19.6	4191.2	-459.5
48	-27.13	0.443	0.008	19.6	4286.6	-470.0
49	-27.05	0.443	0.008	19.6	4381.6	-480.4
50	-26.97	0.443	0.008	19.6	4476.3	-490.8
51	-26.90	0.443	0.008	19.6	4570.6	-501.1
52	-26.82	0.442	0.008	19.6	4664.6	-511.4
53	-26.74	0.442	0.008	19.6	4758.2	-521.7
54	-26.66	0.442	0.008	19.6	4865.1	-533.4
55	-26.59	0.441	0.008	19.6	4973.3	-545.3
56	-26.51	0.441	0.008	19.6	5081.3	-557.1
57	-26.43	0.441	0.008	19.6	5188.8	-568.9
58	-26.35	0.440	0.008	19.6	5296.0	-580.7
59	-26.28	0.440	0.008	19.6	5402.8	-592.4
60	-26.20	0.440	0.008	19.6	5509.3	-604.0
61	-26.12	0.440	0.008	19.6	5615.5	-615.7
62	-26.05	0.439	0.008	19.6	5721.2	-627.3
63	-25.97	0.439	0.008	19.6	5826.6	-638.8
64	-25.89	0.439	0.008	19.6	5931.7	-650.4
65	-25.82	0.438	0.008	19.6	6036.4	-661.8
66	-25.74	0.438	0.008	19.6	6140.7	-673.3
67	-25.66	0.438	0.008	19.6	6244.7	-684.7

68	-25.59	0.438	0.008	19.6	6348.4	-696.0
69	-25.51	0.437	0.008	19.6	6451.7	-707.4
70	-25.43	0.437	0.008	19.6	6554.6	-718.7
71	-25.36	0.437	0.008	19.6	6657.2	-729.9
72	-25.28	0.436	0.008	19.6	6759.4	-741.1
73	-25.20	0.436	0.008	19.6	6861.3	-752.3
74	-25.13	0.436	0.008	19.6	6962.8	-763.4
75	-25.05	0.436	0.008	19.6	7064.0	-774.5
76	-24.98	0.435	0.008	19.6	7164.9	-785.6
77	-24.90	0.435	0.008	19.6	7265.4	-796.6
78	-24.82	0.435	0.008	19.6	7365.5	-807.6
79	-24.75	0.435	0.008	19.6	7421.9	-813.7
80	-24.67	0.434	0.008	19.6	7456.2	-817.5
81	-24.60	0.434	0.008	19.6	7490.2	-821.2
82	-24.52	0.434	0.008	19.6	7523.8	-824.9
83	-24.44	0.434	0.008	19.6	7557.1	-828.6
84	-24.37	0.433	0.008	19.6	7590.1	-832.2
85	-24.29	0.433	0.008	19.6	7622.7	-835.8
86	-24.22	0.433	0.008	19.6	7655.0	-839.3
87	-24.14	0.432	0.008	19.6	7686.9	-842.8
88	-24.07	0.432	0.008	19.6	7718.5	-846.3
89	-23.99	0.432	0.008	19.6	7749.8	-849.7
90	-23.91	0.432	0.008	19.6	7780.7	-853.1
91	-23.84	0.431	0.008	19.6	7816.6	-857.0
92	-23.76	0.431	0.008	19.6	7828.0	-858.3
93	-23.69	0.431	0.008	19.6	7816.8	-857.0
94	-23.61	0.431	0.008	19.6	7805.2	-855.8
95	-23.54	0.430	0.008	19.6	7793.3	-854.5
96	-23.46	0.430	0.008	19.6	7781.0	-853.1
97	-23.39	0.430	0.008	19.6	7768.4	-851.7
98	-23.31	0.430	0.008	19.6	7755.5	-850.3
99	-23.23	0.429	0.008	19.6	7742.2	-848.9
100	-23.16	0.429	0.008	19.6	7728.6	-847.4
101	-23.09	0.429	0.008	19.6	7714.7	-845.8
102	-23.01	0.429	0.008	19.6	7700.4	-844.3
103	-22.94	0.429	0.008	19.6	7685.8	-842.7
104	-22.86	0.428	0.008	19.6	7669.4	-840.9
105	-22.79	0.428	0.008	19.6	7650.9	-838.9
106	-22.71	0.428	0.008	19.6	7632.2	-836.8
107	-22.64	0.428	0.008	19.6	7613.1	-834.7
108	-22.56	0.427	0.008	19.6	7593.7	-832.6
109	-22.49	0.427	0.008	19.6	7573.9	-830.4
110	-22.41	0.427	0.008	19.6	7553.8	-828.2
111	-22.34	0.427	0.008	19.6	7533.4	-826.0
112	-22.26	0.426	0.008	19.6	7512.7	-823.7
113	-22.19	0.426	0.008	19.6	7491.7	-821.4
114	-22.11	0.426	0.008	19.6	7470.3	-819.0
115	-22.04	0.426	0.008	19.6	7448.6	-816.7
116	-21.96	0.426	0.008	19.6	7429.2	-814.5
117	-21.89	0.425	0.008	19.6	7423.9	-814.0
118	-21.82	0.425	0.008	19.6	7420.7	-813.6
119	-21.74	0.425	0.008	19.6	7417.2	-813.2
120	-21.67	0.425	0.008	19.6	7413.4	-812.8
121	-21.59	0.424	0.008	19.6	7409.2	-812.4
122	-21.52	0.424	0.008	19.6	7404.8	-811.9
123	-21.44	0.424	0.000	11.3	7408.5	-812.3
124	-21.37	0.424	0.000	11.3	7444.5	-816.2
125	-21.30	0.424	0.000	11.3	7480.1	-820.1
126	-21.22	0.423	0.000	11.3	7515.2	-824.0
127	-21.15	0.423	0.000	11.3	7549.8	-827.8
128	-21.07	0.423	0.000	11.3	7584.0	-831.5
129	-21.00	0.423	0.000	11.3	7617.2	-835.2
130	-20.92	0.423	0.000	13.7	7625.1	-836.0
131	-20.85	0.422	0.000	13.7	7616.0	-835.0
132	-20.78	0.422	0.000	13.7	7606.5	-834.0
133	-20.70	0.422	0.000	13.7	7596.5	-832.9
134	-20.63	0.422	0.000	13.7	7586.0	-831.7
135	-20.56	0.421	0.000	13.7	7578.6	-830.9
136	-20.48	0.421	0.000	13.7	7592.7	-832.5
137	-20.41	0.421	0.000	13.7	7606.2	-834.0
138	-20.33	0.421	0.000	13.7	7619.2	-835.4

139	-20.26	0.421	0.000	13.7	7631.6	-836.7
140	-20.19	0.420	0.000	13.7	7643.4	-838.0
141	-20.11	0.420	0.000	13.7	7654.7	-839.3
142	-20.04	0.420	0.000	13.7	7669.0	-840.8
143	-19.97	0.420	0.000	13.7	7712.6	-845.6
144	-19.89	0.420	0.000	13.7	7755.6	-850.3
145	-19.82	0.420	0.000	13.7	7798.1	-855.0
146	-19.75	0.419	0.000	13.7	7843.1	-859.9
147	-19.67	0.419	0.000	13.7	7891.5	-865.2
148	-19.60	0.419	0.000	13.7	7942.5	-870.8
149	-19.53	0.419	0.000	13.7	7993.0	-876.4
150	-19.45	0.419	0.000	13.7	8043.0	-881.8
151	-19.38	0.418	0.000	13.7	8092.4	-887.3
152	-19.31	0.418	0.000	13.7	8141.2	-892.6
153	-19.24	0.418	0.000	13.7	8189.5	-897.9
154	-19.16	0.418	0.000	13.7	8237.3	-903.1
155	-19.09	0.418	0.000	13.7	8279.3	-907.8
156	-19.01	0.417	0.000	13.7	8324.4	-912.7
157	-18.94	0.417	0.000	13.7	8375.1	-918.3
158	-18.87	0.417	0.000	13.7	8425.3	-923.8
159	-18.80	0.417	0.000	13.7	8473.3	-929.0
160	-18.72	0.417	0.000	13.7	8513.5	-933.4
161	-18.65	0.417	0.000	13.7	8553.0	-937.8
162	-18.58	0.416	0.000	13.7	8592.1	-942.0
163	-18.51	0.416	0.000	13.7	8630.6	-946.3
164	-18.43	0.416	0.000	13.7	8668.6	-950.4
165	-18.36	0.416	0.000	13.7	8706.1	-954.5
166	-18.29	0.416	0.000	13.7	8743.0	-958.6
167	-18.21	0.415	0.000	13.7	8779.4	-962.6
168	-18.14	0.415	0.000	13.7	8815.2	-966.5
169	-18.07	0.415	0.000	13.7	8850.6	-970.4
170	-18.00	0.415	0.000	13.7	9019.9	-989.0
171	-17.92	0.415	0.000	13.7	8989.3	-985.6
172	-17.85	0.415	0.000	13.7	8958.1	-982.2
173	-17.78	0.414	0.000	13.7	8926.4	-978.7
174	-17.71	0.414	0.000	13.7	8894.1	-975.2
175	-17.63	0.414	0.000	13.7	8861.3	-971.6
176	-17.56	0.414	0.000	13.7	8828.0	-967.9
177	-17.49	0.414	0.000	13.7	8794.2	-964.2
178	-17.42	0.414	0.000	13.7	8789.2	-963.7
179	-17.34	0.413	0.000	13.7	8897.1	-975.5
180	-17.27	0.413	0.000	13.7	8993.1	-986.0
181	-17.20	0.413	0.000	13.7	9088.7	-996.5
182	-17.13	0.413	0.000	13.7	9183.7	-1006.9
183	-17.06	0.413	0.000	13.7	9278.2	-1017.3
184	-16.98	0.413	0.000	13.7	9372.1	-1027.6
185	-16.91	0.412	0.000	13.7	9465.6	-1037.8
186	-16.84	0.412	0.000	13.7	9558.5	-1048.0
187	-16.77	0.412	0.000	13.7	9670.0	-1060.2
188	-16.69	0.412	0.000	13.7	9787.7	-1073.1
189	-16.62	0.412	0.000	13.7	9905.0	-1086.0
190	-16.55	0.412	0.000	13.7	10021.7	-1098.8
191	-16.48	0.412	0.000	13.7	10137.9	-1111.5
192	-16.40	0.411	0.000	13.7	10253.6	-1124.2
193	-16.33	0.411	0.000	13.7	10368.8	-1136.8
194	-16.26	0.411	0.000	13.7	10483.4	-1149.4
195	-16.19	0.411	0.000	13.7	10597.6	-1161.9
196	-16.12	0.411	0.000	13.7	10653.1	-1168.0
197	-16.05	0.411	0.000	13.7	10511.9	-1152.5
198	-15.97	0.411	0.000	13.7	10370.2	-1137.0
199	-15.90	0.410	0.000	13.7	10228.0	-1121.4
200	-15.83	0.410	0.000	13.7	10085.3	-1105.8
201	-15.76	0.410	0.000	13.7	9942.1	-1090.1
202	-15.69	0.410	0.000	13.7	9798.8	-1074.3
203	-15.61	0.410	0.000	13.7	9778.3	-1072.1
204	-15.54	0.410	0.000	13.7	9764.1	-1070.5
205	-15.47	0.409	0.000	13.7	9749.4	-1068.9
206	-15.40	0.409	0.000	13.7	9734.2	-1067.3
207	-15.33	0.409	0.000	13.7	9718.4	-1065.5
208	-15.26	0.409	0.000	13.7	9702.2	-1063.8
209	-15.19	0.409	0.000	13.7	9736.0	-1067.5

210	-15.11	0.409	0.000	13.7	9830.5	-1077.8
211	-15.04	0.409	0.000	13.7	9932.6	-1089.0
212	-14.97	0.409	18.300	0.0	14596.3	-1600.3
213	-14.90	0.408	0.000	13.7	10135.3	-1111.2
214	-14.83	0.408	0.000	13.7	10235.9	-1122.3
215	-14.76	0.408	0.000	13.7	10075.8	-1104.7
216	-14.68	0.408	0.000	13.7	9760.8	-1070.2
217	-14.61	0.408	0.000	13.7	9613.7	-1054.1
218	-14.54	0.408	0.000	13.7	9707.4	-1064.3
219	-14.47	0.408	0.000	13.7	9800.6	-1074.5
220	-14.40	0.407	0.000	13.7	9893.3	-1084.7
221	-14.33	0.407	18.300	0.0	14560.3	-1596.4
222	-14.26	0.407	0.000	13.7	10077.1	-1104.9
223	-14.19	0.407	0.000	13.7	10168.2	-1114.9
224	-14.12	0.407	0.000	13.7	10258.9	-1124.8
225	-14.04	0.407	0.000	13.7	10349.1	-1134.7
226	-13.97	0.407	0.000	13.7	10438.7	-1144.5
227	-13.90	0.407	0.000	13.7	10504.5	-1151.7
228	-13.83	0.406	0.000	13.7	10560.0	-1157.8
229	-13.76	0.406	0.000	13.7	10615.0	-1163.8
230	-13.69	0.406	0.000	13.7	10669.3	-1169.8
231	-13.62	0.406	0.000	13.7	10700.7	-1173.2
232	-13.55	0.406	0.000	13.7	10731.5	-1176.6
233	-13.47	0.406	0.000	13.7	10685.2	-1171.5
234	-13.40	0.406	0.000	13.7	10609.3	-1163.2
235	-13.33	0.406	0.000	13.7	10533.0	-1154.8
236	-13.26	0.405	0.000	13.7	10456.1	-1146.4
237	-13.19	0.405	0.000	13.7	10378.8	-1137.9
238	-13.12	0.405	0.000	13.7	10300.9	-1129.4
239	-13.05	0.405	0.000	13.7	10237.8	-1122.5
240	-12.98	0.405	0.000	13.7	10181.7	-1116.3
241	-12.91	0.405	0.000	13.7	10125.1	-1110.1
242	-12.84	0.405	0.000	13.7	10068.0	-1103.9
243	-12.77	0.405	0.000	13.7	10010.4	-1097.5
244	-12.70	0.405	0.000	13.7	9952.3	-1091.2
245	-12.62	0.404	0.000	13.7	9893.7	-1084.8
246	-12.55	0.404	0.000	13.7	9834.6	-1078.3
247	-12.48	0.404	0.000	13.7	9775.0	-1071.7
248	-12.41	0.404	0.000	13.7	9715.0	-1065.2
249	-12.34	0.404	0.000	13.7	9654.5	-1058.5
250	-12.27	0.404	0.000	13.7	9593.4	-1051.8
251	-12.20	0.404	0.000	13.7	9531.9	-1045.1
252	-12.13	0.404	0.000	13.7	9469.9	-1038.3
253	-12.06	0.404	0.000	13.7	9407.4	-1031.4
254	-11.99	0.403	0.000	13.7	9344.4	-1024.5
255	-11.92	0.403	0.000	13.7	9284.1	-1017.9
256	-11.85	0.403	0.000	13.7	9227.9	-1011.8
257	-11.78	0.403	0.000	13.7	9171.3	-1005.5
258	-11.71	0.403	0.000	13.7	9114.2	-999.3
259	-11.64	0.403	0.000	13.7	9056.6	-993.0
260	-11.57	0.403	0.000	13.7	8998.5	-986.6
261	-11.50	0.403	0.000	13.7	8939.9	-980.2
262	-11.42	0.403	0.000	13.7	8880.8	-973.7
263	-11.35	0.403	0.000	13.7	8821.3	-967.2
264	-11.28	0.402	0.000	13.7	8761.3	-960.6
265	-11.21	0.402	0.000	13.7	8718.0	-955.8
266	-11.14	0.402	0.000	13.7	8675.6	-951.2
267	-11.07	0.402	0.000	13.7	8678.3	-951.5
268	-11.00	0.402	0.000	13.7	8751.1	-959.5
269	-10.93	0.402	0.000	13.7	8823.4	-967.4
270	-10.86	0.402	0.000	13.7	8895.2	-975.3
271	-10.79	0.402	0.000	13.7	8966.5	-983.1
272	-10.72	0.402	18.300	0.0	13109.6	-1437.3
273	-10.65	0.402	0.000	13.7	9107.7	-998.6
274	-10.58	0.401	0.000	13.7	8886.3	-974.3
275	-10.51	0.401	0.000	13.7	8242.7	-903.7
276	-10.44	0.401	0.000	13.7	7578.5	-830.9
277	-10.37	0.401	0.000	13.7	7162.5	-785.3
278	-10.30	0.401	18.300	0.0	10313.0	-1130.7
279	-10.23	0.401	18.300	0.0	10199.1	-1118.2
280	-10.16	0.401	18.300	0.0	10243.7	-1123.1

281	-10.09	0.401	0.000	13.7	7252.8	-795.2
282	-10.02	0.401	0.000	13.7	7335.0	-804.2
283	-9.95	0.401	0.000	13.7	7416.7	-813.2
284	-9.88	0.401	0.000	13.7	7482.8	-820.4
285	-9.81	0.401	0.000	13.7	7547.6	-827.5
286	-9.74	0.400	0.000	13.7	7611.9	-834.6
287	-9.67	0.400	0.000	13.7	7675.7	-841.6
288	-9.60	0.400	0.000	13.7	7739.0	-848.5
289	-9.53	0.400	0.000	13.7	7801.9	-855.4
290	-9.46	0.400	0.000	13.7	7864.3	-862.3
291	-9.39	0.400	0.000	13.7	7980.9	-875.0
292	-9.32	0.400	0.000	13.7	8114.9	-889.7
293	-9.25	0.400	0.000	13.7	8248.5	-904.4
294	-9.18	0.400	0.000	13.7	8363.0	-916.9
295	-9.11	0.400	0.000	13.7	8423.0	-923.5
296	-9.04	0.400	0.000	13.7	8482.6	-930.0
297	-8.97	0.400	0.000	13.7	8541.7	-936.5
298	-8.90	0.399	0.000	13.7	8600.3	-942.9
299	-8.83	0.399	0.000	13.7	8658.4	-949.3
300	-8.76	0.399	0.000	13.7	8716.0	-955.6
301	-8.69	0.399	0.000	13.7	8773.2	-961.9
302	-8.62	0.399	0.000	13.7	8829.9	-968.1
303	-8.55	0.399	0.000	13.7	8886.2	-974.3
304	-8.48	0.399	0.000	13.7	8941.9	-980.4
305	-8.41	0.399	0.000	13.7	8997.2	-986.5
306	-8.34	0.399	0.000	13.7	9052.0	-992.5
307	-8.27	0.399	0.000	13.7	9106.4	-998.4
308	-8.20	0.399	0.000	13.7	9160.2	-1004.3
309	-8.13	0.399	0.000	13.7	9213.6	-1010.2
310	-8.06	0.399	0.000	13.7	9266.6	-1016.0
311	-7.99	0.399	0.000	13.7	9316.7	-1021.5
312	-7.92	0.398	0.000	13.7	9323.2	-1022.2
313	-7.85	0.398	0.000	13.7	9329.3	-1022.9
314	-7.78	0.398	0.000	13.7	9334.9	-1023.5
315	-7.71	0.398	0.000	13.7	9340.1	-1024.1
316	-7.64	0.398	0.000	13.7	9344.8	-1024.6
317	-7.57	0.398	0.000	13.7	9349.0	-1025.0
318	-7.50	0.398	0.000	13.7	9216.7	-1010.5
319	-7.43	0.398	0.000	13.7	9000.9	-986.9
320	-7.36	0.398	0.000	13.7	8784.7	-963.2
321	-7.29	0.398	0.000	13.7	8590.7	-941.9
322	-7.23	0.398	0.000	13.7	8614.1	-944.5
323	-7.16	0.398	0.000	13.7	8636.9	-947.0
324	-7.08	0.398	0.000	13.7	8659.4	-949.4
325	-7.02	0.398	0.000	13.7	8681.3	-951.8
326	-6.95	0.398	0.000	13.7	8702.8	-954.2
327	-6.88	0.398	0.000	13.7	8729.2	-957.1
328	-6.81	0.397	0.000	13.7	8774.7	-962.1
329	-6.74	0.397	0.000	13.7	8819.7	-967.0
330	-6.67	0.397	0.000	13.7	8864.3	-971.9
331	-6.60	0.397	0.000	13.7	8908.4	-976.7
332	-6.53	0.397	0.000	13.7	8951.9	-981.5
333	-6.46	0.397	0.000	13.7	8995.1	-986.2
334	-6.39	0.397	0.000	13.7	9037.8	-990.9
335	-6.32	0.397	0.000	13.7	9080.0	-995.5
336	-6.25	0.397	0.000	13.7	9121.7	-1000.1
337	-6.18	0.397	0.000	13.7	9163.0	-1004.6
338	-6.11	0.397	0.000	13.7	9203.8	-1009.1
339	-6.04	0.397	0.000	13.7	9244.2	-1013.5
340	-5.97	0.397	0.000	13.7	9284.1	-1017.9
341	-5.90	0.397	0.000	13.7	9323.5	-1022.2
342	-5.83	0.397	0.000	13.7	9283.1	-1017.8
343	-5.76	0.397	0.000	13.7	9235.9	-1012.6
344	-5.69	0.397	0.000	13.7	9178.7	-1006.4
345	-5.63	0.397	0.000	13.7	9114.5	-999.3
346	-5.56	0.397	0.000	13.7	9049.9	-992.2
347	-5.49	0.396	0.000	13.7	8984.8	-985.1
348	-5.42	0.396	0.000	13.7	8919.2	-977.9
349	-5.35	0.396	0.000	13.7	8853.2	-970.7
350	-5.28	0.396	0.000	13.7	8786.7	-963.4
351	-5.21	0.396	0.000	13.7	8719.8	-956.0

352	-5.14	0.396	0.000	13.7	8716.7	-955.7
353	-5.07	0.396	0.000	13.7	8763.2	-960.8
354	-5.00	0.396	0.000	13.7	8809.3	-965.9
355	-4.93	0.396	0.000	13.7	8857.1	-971.1
356	-4.86	0.396	0.000	13.7	8889.0	-974.6
357	-4.79	0.396	0.000	13.7	8806.1	-965.5
358	-4.72	0.396	0.000	13.7	8722.8	-956.4
359	-4.66	0.396	0.000	13.7	8639.0	-947.2
360	-4.59	0.396	0.000	13.7	8554.8	-938.0
361	-4.52	0.396	0.000	13.7	8470.1	-928.7
362	-4.45	0.396	0.000	13.7	8384.9	-919.3
363	-4.38	0.396	0.000	13.7	8299.3	-909.9
364	-4.31	0.396	0.000	13.7	8213.2	-900.5
365	-4.24	0.396	0.000	13.7	8126.6	-891.0
366	-4.17	0.396	0.000	13.7	8055.2	-883.2
367	-4.10	0.396	0.000	13.7	8020.0	-879.3
368	-4.03	0.396	0.000	13.7	7984.5	-875.4
369	-3.96	0.396	0.000	13.7	7948.4	-871.5
370	-3.89	0.396	0.000	13.7	7911.9	-867.5
371	-3.82	0.396	0.000	13.7	7875.0	-863.4
372	-3.76	0.396	0.000	13.7	7837.6	-859.3
373	-3.69	0.395	0.000	13.7	7799.7	-855.2
374	-3.62	0.395	0.000	13.7	7761.4	-851.0
375	-3.55	0.395	0.000	13.7	7722.6	-846.7
376	-3.48	0.395	0.000	13.7	7683.3	-842.4
377	-3.41	0.395	0.000	13.7	7643.6	-838.1
378	-3.34	0.395	0.000	13.7	7603.4	-833.6
379	-3.27	0.395	0.000	13.7	7562.8	-829.2
380	-3.20	0.395	0.000	13.7	7521.7	-824.7
381	-3.13	0.395	0.000	13.7	7480.2	-820.1
382	-3.07	0.395	0.000	13.7	7438.2	-815.5
383	-2.99	0.395	0.000	13.7	7395.7	-810.9
384	-2.93	0.395	0.000	13.7	7352.8	-806.2
385	-2.86	0.395	0.000	13.7	7309.4	-801.4
386	-2.79	0.395	0.000	13.7	7265.5	-796.6
387	-2.72	0.395	0.000	13.7	7221.3	-791.7
388	-2.65	0.395	0.000	13.7	7176.5	-786.8
389	-2.58	0.395	0.000	13.7	7131.3	-781.9
390	-2.51	0.395	0.000	13.7	7085.6	-776.9
391	-2.44	0.395	0.000	13.7	7039.5	-771.8
392	-2.37	0.395	0.000	13.7	6992.9	-766.7
393	-2.30	0.395	0.000	13.7	6945.8	-761.5
394	-2.23	0.395	0.000	13.7	6898.3	-756.3
395	-2.16	0.395	0.000	13.7	6850.3	-751.1
396	-2.10	0.395	0.000	13.7	6801.9	-745.8
397	-2.03	0.395	0.000	13.7	6753.0	-740.4
398	-1.96	0.395	0.000	13.7	6704.3	-735.1
399	-1.89	0.395	0.000	13.7	6657.2	-729.9
400	-1.82	0.395	0.000	13.7	6609.7	-724.7
401	-1.75	0.395	0.000	13.7	6561.8	-719.4
402	-1.68	0.395	0.000	13.7	6513.3	-714.1
403	-1.61	0.395	0.000	13.7	6464.5	-708.8
404	-1.54	0.395	0.000	13.7	6415.1	-703.4
405	-1.48	0.395	0.000	13.7	6365.3	-697.9
406	-1.40	0.395	0.000	13.7	6315.1	-692.4
407	-1.34	0.395	0.000	13.7	6263.4	-686.7
408	-1.26	0.395	0.000	13.7	6205.5	-680.4
409	-1.20	0.395	0.000	13.7	6147.3	-674.0
410	-1.13	0.395	0.000	13.7	6088.5	-667.5
411	-1.06	0.395	0.000	13.7	6029.3	-661.1
412	-0.99	0.395	0.000	13.7	5969.6	-654.5
413	-0.92	0.395	0.000	13.7	5909.5	-647.9
414	-0.85	0.395	0.000	13.7	5848.9	-641.3
415	-0.78	0.395	0.000	13.7	5787.9	-634.6
416	-0.71	0.395	0.000	13.7	5726.4	-627.8
417	-0.64	0.395	0.000	13.7	5664.5	-621.1
418	-0.58	0.395	0.000	13.7	5602.1	-614.2
419	-0.51	0.395	0.000	13.7	5539.2	-607.3
420	-0.44	0.395	0.000	13.7	5475.9	-600.4
421	-0.37	0.395	0.000	13.7	5412.1	-593.4
422	-0.30	0.395	0.000	13.7	5347.9	-586.3

423	-0.23	0.395	0.000	13.7	5283.2	-579.3
424	-0.16	0.395	0.000	13.7	5218.0	-572.1
425	-0.09	0.395	0.000	13.7	5152.4	-564.9
426	-0.02	0.395	0.000	13.7	5086.4	-557.7
427	0.05	0.395	0.000	13.7	5019.8	-550.4
428	0.12	0.395	0.000	13.7	4952.9	-543.0
429	0.18	0.395	0.000	13.7	4885.4	-535.6
430	0.25	0.395	0.000	13.7	4817.6	-528.2
431	0.32	0.395	0.000	13.7	4749.2	-520.7
432	0.39	0.395	0.000	13.7	4680.4	-513.2
433	0.46	0.395	0.000	13.7	4611.2	-505.6
434	0.53	0.395	0.000	13.7	4541.4	-497.9
435	0.60	0.395	0.000	13.7	4471.3	-490.2
436	0.67	0.395	0.000	13.7	4400.6	-482.5
437	0.74	0.395	0.000	13.7	4329.6	-474.7
438	0.80	0.395	0.000	13.7	4258.0	-466.9
439	0.87	0.395	0.000	13.7	4186.0	-459.0
440	0.94	0.395	0.000	13.7	4116.0	-451.3
441	1.01	0.395	0.000	13.7	4048.1	-443.8
442	1.08	0.395	0.000	13.7	3979.7	-436.3
443	1.15	0.395	0.000	13.7	3910.9	-428.8
444	1.22	0.395	0.000	13.7	3841.6	-421.2
445	1.29	0.395	0.000	13.7	3771.9	-413.6
446	1.36	0.395	0.000	13.7	3701.7	-405.9
447	1.43	0.395	0.000	13.7	3631.1	-398.1
448	1.50	0.395	0.000	13.7	3559.9	-390.3
449	1.56	0.395	0.000	13.7	3488.4	-382.5
450	1.63	0.395	0.000	13.7	3416.4	-374.6
451	1.71	0.395	0.000	13.7	3343.9	-366.6
452	1.77	0.395	0.000	13.7	3270.9	-358.6
453	1.84	0.395	0.000	13.7	3197.5	-350.6
454	1.91	0.395	0.000	13.7	3123.7	-342.5
455	1.98	0.395	0.000	13.7	3049.4	-334.3
456	2.05	0.395	0.000	13.7	2985.7	-327.4
457	2.12	0.395	0.000	13.7	2923.4	-320.5
458	2.19	0.395	0.000	13.7	2860.7	-313.6
459	2.26	0.395	0.000	13.7	2797.6	-306.7
460	2.32	0.395	0.000	13.7	2734.2	-299.8
461	2.39	0.395	0.000	13.7	2670.3	-292.8
462	2.46	0.395	0.000	13.7	2606.1	-285.7
463	2.53	0.395	0.000	13.7	2541.5	-278.7
464	2.60	0.395	0.000	13.7	2476.6	-271.5
465	2.67	0.395	0.000	13.7	2411.2	-264.4
466	2.74	0.395	0.000	13.7	2345.5	-257.2
467	2.81	0.395	0.000	13.7	2279.4	-249.9
468	2.88	0.395	0.000	13.7	2212.9	-242.6
469	2.95	0.395	0.000	13.7	2146.1	-235.3
470	3.02	0.395	0.000	13.7	2078.9	-227.9
471	3.09	0.395	0.000	13.7	2011.2	-220.5
472	3.16	0.395	0.000	13.7	1948.4	-213.6
473	3.22	0.395	0.000	13.7	1885.3	-206.7
474	3.29	0.395	0.000	13.7	1821.8	-199.7
475	3.36	0.395	0.000	13.7	1757.9	-192.7
476	3.43	0.395	0.000	13.7	1693.6	-185.7
477	3.50	0.395	0.000	13.7	1628.9	-178.6
478	3.57	0.395	0.000	13.7	1563.9	-171.5
479	3.64	0.395	0.000	13.7	1498.5	-164.3
480	3.71	0.395	0.000	13.7	1432.7	-157.1
481	3.78	0.396	0.000	13.7	1366.5	-149.8
482	3.85	0.396	0.000	13.7	1300.0	-142.5
483	3.91	0.396	0.000	13.7	1233.0	-135.2
484	3.98	0.396	0.000	13.7	1165.7	-127.8
485	4.06	0.396	0.000	13.7	1098.0	-120.4
486	4.12	0.396	0.000	13.7	1029.9	-112.9
487	4.19	0.396	0.000	13.7	961.5	-105.4
488	4.26	0.396	0.000	13.7	892.6	-97.9
489	4.33	0.396	0.000	13.7	823.4	-90.3
490	4.40	0.396	0.000	13.7	753.8	-82.6
491	4.47	0.396	0.000	13.7	683.8	-75.0
492	4.54	0.396	0.000	13.7	613.4	-67.3
493	4.61	0.396	0.000	13.7	542.7	-59.5

494	4.68	0.396	0.000	13.7	471.6	-51.7
495	4.75	0.396	0.000	13.7	400.1	-43.9
496	4.82	0.396	0.000	13.7	328.2	-36.0
497	4.88	0.396	0.000	13.7	255.9	-28.1
498	4.96	0.396	0.000	13.7	183.3	-20.1
499	5.02	0.396	0.000	13.7	110.2	-12.1
500	5.09	0.396	0.000	13.7	36.8	-4.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	53.3	199.5	1020.8	590.1	-55.4
2	51.5	-244.3	1180.7	654.8	-165.3
3	-66.6	-642.2	1378.5	714.8	-266.9
4	-198.9	-1009.4	1464.0	755.0	-335.0
5	-336.3	-1346.4	1542.3	794.8	-402.3
6	-477.2	-1653.6	1618.9	834.4	-468.9
7	-620.4	-1931.5	1694.3	873.6	-534.6
8	-764.4	-2180.6	1768.3	912.4	-599.6
9	-1185.5	-1927.6	1097.2	427.5	-650.6
10	-1125.9	-1659.9	774.2	449.0	-685.4
11	-1053.1	-1377.6	804.4	470.4	-719.8
12	-966.7	-1081.1	834.1	491.5	-753.7
13	-865.8	-770.5	862.9	512.4	-787.2
14	-749.9	-446.3	891.0	533.1	-820.2
15	-626.3	-107.3	927.7	555.5	-855.7
16	-532.8	258.0	1023.1	594.0	-917.8
17	-455.8	649.1	1108.0	632.3	-979.3
18	-397.9	1065.8	1194.6	670.4	-1040.2
19	-361.1	1507.5	1282.6	708.2	-1100.5
20	-347.9	1974.0	1372.3	745.9	-1160.3
21	-360.4	2464.8	1463.3	783.2	-1219.4
22	-400.8	2979.7	1555.8	820.4	-1277.9
23	-471.3	3518.2	1649.8	857.3	-1335.9
24	-573.8	4079.8	1745.0	894.0	-1393.2
25	-710.5	4664.5	1841.7	930.4	-1450.1
26	-883.2	5271.5	1939.6	966.6	-1506.2
27	-1094.3	5900.8	2039.1	1002.7	-1561.9
28	-1345.3	6551.9	2139.5	1038.4	-1616.9
29	-1638.1	7224.4	2241.3	1074.0	-1671.5
30	-1974.8	7917.9	2344.5	1109.3	-1725.4
31	-2356.9	8632.3	2448.5	1144.5	-1778.8
32	-2786.4	9366.9	2554.0	1179.4	-1831.6
33	-3264.6	10121.6	2660.2	1214.0	-1883.9
34	-3793.6	10896.0	2768.0	1248.5	-1935.7
35	-4374.7	11689.7	2876.3	1282.8	-1986.9
36	-5009.9	12502.4	2986.2	1316.8	-2037.5
37	-5700.3	13333.8	3096.7	1350.7	-2087.8
38	-6447.8	14183.5	3208.4	1384.3	-2137.3
39	-7253.5	15051.3	3320.8	1417.7	-2186.5
40	-8282.0	15936.4	3558.8	1450.5	-2234.3
41	-9630.7	16841.8	3881.1	1488.1	-2289.5
42	-11088.2	17767.5	4041.7	1525.9	-2345.1
43	-12655.1	18712.9	4202.7	1563.6	-2399.8
44	-14335.0	19678.1	4366.3	1601.1	-2454.4
45	-16129.6	20662.3	4531.2	1638.3	-2508.0
46	-18042.2	21665.3	4698.5	1675.3	-2561.3
47	-20075.6	22686.8	4867.7	1712.1	-2614.1
48	-22231.9	23726.4	5038.5	1748.7	-2666.1
49	-24514.2	24783.9	5211.5	1785.2	-2718.0
50	-26923.9	25858.7	5385.5	1821.4	-2768.9
51	-29464.0	26950.5	5561.7	1857.4	-2819.5
52	-32137.0	28059.2	5739.7	1893.2	-2869.7
53	-35143.2	29184.1	6072.5	1928.8	-2919.0
54	-38913.0	30328.5	6748.8	1969.7	-2976.5
55	-42889.2	31492.3	6995.7	2011.0	-3034.3
56	-47072.6	32675.1	7243.1	2052.2	-3091.7
57	-51467.1	33876.6	7493.4	2093.1	-3148.3
58	-56075.7	35096.2	7746.0	2133.7	-3204.3

59	-60904.1	36333.9	8002.9	2174.3	-3260.2
60	-65953.2	37589.0	8260.7	2214.6	-3315.0
61	-71227.4	38861.4	8521.7	2254.7	-3369.6
62	-76730.6	40150.7	8785.6	2294.7	-3423.7
63	-82464.5	41456.3	9051.0	2334.4	-3476.9
64	-88433.3	42777.9	9319.6	2373.9	-3529.7
65	-94640.3	44115.5	9590.6	2413.3	-3582.2
66	-101086.3	45468.3	9862.2	2452.4	-3633.9
67	-107775.9	46836.3	10137.4	2491.4	-3685.3
68	-114710.4	48218.7	10413.8	2530.1	-3735.7
69	-121894.2	49615.7	10693.1	2568.7	-3786.3
70	-129326.6	51026.5	10972.4	2607.1	-3835.8
71	-137011.3	52450.8	11254.2	2645.2	-3884.7
72	-144954.3	53888.6	11540.8	2683.3	-3933.7
73	-153150.8	55339.2	11823.6	2721.1	-3981.6
74	-161607.7	56802.4	12111.8	2758.7	-4029.2
75	-170326.1	58278.0	12400.6	2796.2	-4076.5
76	-179305.3	59765.4	12689.3	2833.4	-4122.8
77	-188550.4	61264.4	12981.6	2870.6	-4169.1
78	-197449.8	62774.7	12795.6	2907.5	-4214.7
79	-200889.0	64287.0	8571.3	2927.3	-4235.1
80	-204215.8	65796.2	8514.2	2938.5	-4242.3
81	-207485.1	67302.5	8499.7	2949.5	-4249.8
82	-210693.7	68805.8	8482.4	2960.5	-4257.0
83	-213841.3	70305.6	8464.6	2971.2	-4263.5
84	-216930.3	71802.1	8448.3	2981.9	-4270.1
85	-219957.6	73295.0	8429.4	2992.4	-4276.4
86	-222923.8	74784.3	8410.7	3002.8	-4282.3
87	-225827.1	76269.5	8390.2	3013.0	-4287.7
88	-228671.3	77750.9	8372.3	3023.2	-4293.4
89	-231452.6	79228.1	8351.3	3033.1	-4298.5
90	-234171.8	80701.0	8330.6	3043.0	-4303.3
91	-235744.2	82170.4	7460.0	3054.7	-4310.8
92	-232018.0	83631.6	3299.9	3057.0	-4304.7
93	-227949.4	85080.5	3022.8	3050.6	-4286.4
94	-223589.7	86516.7	2785.6	3044.1	-4267.7
95	-218944.3	87940.6	2552.2	3037.4	-4249.1
96	-214014.5	89351.7	2319.2	3030.7	-4230.1
97	-208804.5	90750.4	2089.3	3023.8	-4211.2
98	-203317.8	92136.5	1861.5	3016.8	-4192.2
99	-197558.2	93509.8	1636.2	3009.7	-4172.8
100	-191530.4	94870.8	1414.3	3002.6	-4153.8
101	-185234.6	96218.9	1192.0	2995.2	-4134.1
102	-178676.3	97554.3	973.6	2987.8	-4114.5
103	-171857.9	98877.3	756.6	2980.3	-4095.1
104	-164779.8	100187.0	538.4	2972.1	-4074.2
105	-157446.0	101483.7	321.4	2963.2	-4052.9
106	-149862.1	102767.1	108.5	2954.1	-4031.1
107	-142032.2	104037.4	-101.6	2945.0	-4009.6
108	-133957.9	105294.1	-310.9	2935.7	-3987.3
109	-125646.2	106537.7	-515.1	2926.3	-3965.5
110	-117099.2	107768.2	-718.1	2916.9	-3943.6
111	-108320.3	108985.2	-918.8	2907.3	-3921.3
112	-99311.7	110189.2	-1118.1	2897.7	-3899.2
113	-90079.9	111379.7	-1312.8	2887.9	-3876.7
114	-80627.0	112557.1	-1506.2	2878.0	-3854.4
115	-70956.6	113721.3	-1697.1	2868.1	-3831.9
116	-61512.5	114872.8	-1533.3	2859.0	-3810.8
117	-52932.6	116013.8	-849.9	2855.3	-3796.9
118	-44177.9	117144.6	-992.1	2852.4	-3784.0
119	-35246.6	118265.3	-1136.1	2849.5	-3771.1
120	-26142.6	119375.7	-1277.4	2846.4	-3757.9
121	-16864.8	120476.0	-1419.9	2843.2	-3744.9
122	-7417.7	121566.1	-1559.1	2839.9	-3731.5
123	-9600.2	123742.3	4525.7	1662.1	-3722.2
124	383.2	125919.0	-1198.3	1668.9	-3729.1
125	10702.7	128096.3	-1340.5	1675.7	-3735.9
126	21361.9	130273.7	-1484.7	1682.3	-3742.1
127	32359.8	132450.9	-1628.7	1688.8	-3748.0
128	43696.0	134628.1	-1772.8	1695.2	-3754.1
129	55373.9	136804.6	-1919.1	1701.4	-3759.0

130	76202.3	138653.8	-7504.9	2045.2	-3751.5
131	94106.9	140491.1	-5849.9	2041.4	-3736.1
132	112426.7	142315.9	-6093.3	2037.5	-3719.9
133	131162.0	144128.4	-6337.3	2033.5	-3703.9
134	150303.7	145928.5	-6576.5	2029.3	-3687.7
135	169822.4	147719.0	-6802.3	2023.7	-3672.9
136	189581.2	149519.1	-6969.2	2009.2	-3668.9
137	209776.8	151328.0	-7248.7	1994.6	-3664.2
138	230411.2	153145.4	-7529.5	1979.9	-3659.0
139	251493.7	154971.4	-7816.0	1965.2	-3654.0
140	273018.5	156805.7	-8099.5	1950.4	-3648.5
141	294993.3	158647.9	-8387.8	1935.6	-3642.6
142	314008.4	160498.9	-6729.2	1921.7	-3638.4
143	331103.0	162365.1	-5645.6	1915.6	-3648.1
144	348537.6	164245.8	-5852.2	1909.5	-3656.7
145	366324.6	166141.1	-6066.0	1903.3	-3665.6
146	384438.6	168053.3	-6268.2	1895.8	-3675.6
147	402898.3	169983.8	-6482.0	1888.0	-3686.6
148	421725.9	171933.3	-6706.8	1881.0	-3699.1
149	440923.6	173901.4	-6933.2	1874.0	-3711.2
150	460503.9	175887.8	-7167.0	1866.9	-3722.9
151	480458.4	177891.9	-7396.5	1859.7	-3733.8
152	500802.4	179913.6	-7634.8	1852.4	-3744.7
153	521537.7	181952.9	-7874.6	1845.2	-3755.5
154	542664.9	184009.1	-8115.0	1837.8	-3765.7
155	564185.9	186080.7	-8359.9	1829.0	-3772.7
156	586100.9	188168.2	-8603.1	1821.0	-3781.4
157	608410.6	190273.1	-8843.5	1814.7	-3792.7
158	631125.3	192394.5	-9090.0	1808.2	-3803.4
159	654257.0	194531.0	-9342.5	1802.4	-3813.0
160	677829.9	196676.2	-9602.8	1799.3	-3818.9
161	701792.7	198830.2	-9833.9	1796.3	-3824.7
162	726140.6	200992.2	-10062.6	1793.1	-3829.9
163	750880.9	203162.4	-10295.8	1789.9	-3835.0
164	776005.6	205340.1	-10524.8	1786.6	-3839.5
165	801525.5	207525.2	-10760.2	1783.2	-3843.7
166	827437.1	209717.5	-10994.0	1779.8	-3847.8
167	853738.0	211916.6	-11226.7	1776.2	-3851.2
168	880431.6	214122.5	-11461.6	1772.7	-3854.7
169	907524.2	216334.9	-11700.4	1769.0	-3857.8
170	934897.4	218579.2	-11794.0	1800.6	-3919.1
171	962947.3	220817.0	-12230.6	1779.8	-3893.3
172	991328.1	223047.9	-12468.7	1758.9	-3866.9
173	1020049.7	225272.4	-12712.5	1738.0	-3841.2
174	1049100.9	227489.9	-12950.4	1717.1	-3814.6
175	1078490.5	229700.5	-13193.7	1696.0	-3788.2
176	1108206.2	231904.2	-13430.1	1675.0	-3761.6
177	1138246.1	234100.9	-13665.8	1653.9	-3735.0
178	1142889.2	236295.7	947.8	1640.4	-3720.6
179	1136291.9	238507.1	7473.6	1658.4	-3753.9
180	1129496.5	240726.0	7641.3	1680.8	-3782.3
181	1122410.8	242951.8	7862.3	1703.0	-3809.8
182	1115042.0	245184.0	8079.0	1725.2	-3836.9
183	1107385.8	247422.5	8298.1	1747.3	-3863.8
184	1099436.3	249666.7	8520.6	1769.3	-3889.9
185	1091185.5	251916.1	8747.7	1791.2	-3915.5
186	1082647.7	254170.7	8966.4	1813.0	-3941.0
187	1073734.0	256444.6	9220.0	1827.2	-3973.5
188	1064549.7	258742.9	9406.7	1838.8	-4008.6
189	1055130.8	261064.7	9572.6	1850.2	-4042.9
190	1045481.2	263410.1	9736.0	1861.6	-4076.9
191	1035579.7	265778.1	9911.8	1872.9	-4110.1
192	1025430.1	268168.3	10085.3	1884.1	-4142.7
193	1015029.0	270581.1	10260.5	1895.3	-4175.6
194	1004356.6	273015.1	10447.3	1906.4	-4207.2
195	993421.8	275470.4	10628.8	1917.3	-4238.7
196	1024384.4	277925.2	-13635.5	1925.8	-4246.1
197	1075404.1	280332.7	-25323.2	1901.2	-4176.0
198	1126920.0	282692.5	-25672.0	1876.6	-4105.3
199	1178922.3	285005.5	-26015.0	1851.9	-4035.5
200	1231375.0	287271.1	-26338.0	1827.2	-3965.2

201	1284279.9	289490.4	-26661.9	1802.4	-3895.8
202	1319835.9	291663.2	-16648.9	1777.7	-3826.4
203	1337799.5	293813.9	-6431.7	1778.3	-3804.8
204	1355769.8	295948.1	-6440.4	1776.3	-3786.4
205	1373772.6	298065.3	-6464.2	1774.3	-3767.5
206	1391802.5	300165.4	-6485.1	1772.1	-3748.4
207	1409878.6	302248.7	-6517.2	1769.9	-3729.6
208	1427429.6	304314.8	-6217.2	1767.6	-3710.2
209	1413715.5	306370.7	11999.1	1778.3	-3710.0
210	1399569.9	308433.1	12294.6	1795.7	-3732.7
211	1385117.7	310508.0	12510.2	1809.9	-3758.4
212	1725320.0	240641.6	183000.0	81030.2	-5503.4
213	1040965.3	242740.0	402829.0	1838.0	-3808.1
214	1054707.0	244849.4	-3808.0	1852.0	-3832.0
215	1134234.4	246934.9	-42272.4	1799.0	-3758.8
216	1215058.3	248931.3	-43140.5	1754.4	-3628.1
217	1216299.5	250883.9	3203.4	1728.6	-3560.5
218	1206414.0	252844.3	9732.0	1744.2	-3582.8
219	1196254.5	254811.4	9931.3	1759.7	-3603.9
220	1185835.4	256785.2	10122.2	1775.1	-3625.0
221	1510791.2	187171.4	183000.0	80556.3	-5315.3
222	839416.4	189157.3	396222.4	1805.7	-3665.4
223	833644.0	191148.8	7524.7	1820.9	-3685.2
224	827591.6	193145.6	7726.3	1836.0	-3704.6
225	821261.8	195147.4	7926.4	1851.1	-3723.5
226	816074.6	197153.4	7296.1	1866.0	-3741.7
227	816239.1	199161.3	4189.8	1874.9	-3751.9
228	816250.5	201168.8	4296.5	1881.3	-3757.4
229	816102.9	203176.5	4406.3	1887.5	-3763.4
230	815784.2	205183.3	4523.4	1893.7	-3768.2
231	815395.3	207173.3	4601.1	1908.6	-3765.2
232	820082.4	209146.4	1664.5	1923.3	-3762.0
233	843071.7	211093.7	-9067.4	1918.4	-3731.7
234	866248.3	213012.2	-9206.9	1906.0	-3691.3
235	889567.7	214902.2	-9320.5	1893.5	-3651.2
236	913020.4	216763.1	-9428.8	1881.0	-3610.5
237	936609.8	218595.7	-9539.3	1868.4	-3570.5
238	959424.4	220399.8	-9115.3	1855.8	-3530.2
239	977886.3	222177.3	-6582.5	1847.0	-3495.5
240	996380.5	223928.8	-6618.2	1840.0	-3462.9
241	1014914.6	225654.2	-6658.6	1833.0	-3430.4
242	1033493.3	227354.1	-6701.7	1825.9	-3398.2
243	1052105.8	229028.0	-6738.8	1818.7	-3365.6
244	1070746.8	230676.3	-6773.0	1811.5	-3333.4
245	1089415.8	232298.8	-6807.0	1804.3	-3300.7
246	1108105.1	233895.5	-6836.8	1796.9	-3268.1
247	1126824.1	235466.8	-6872.1	1789.5	-3235.8
248	1145552.5	237012.4	-6895.8	1782.1	-3203.2
249	1164296.2	238532.3	-6923.1	1774.6	-3170.5
250	1183059.9	240027.4	-6953.3	1767.0	-3138.6
251	1201822.5	241496.8	-6971.3	1759.4	-3106.0
252	1220595.3	242941.2	-6996.1	1751.7	-3073.7
253	1239366.0	244360.1	-7013.9	1743.9	-3041.0
254	1258139.3	245754.0	-7034.5	1736.1	-3008.7
255	1276892.4	247124.7	-7044.8	1727.0	-2977.1
256	1295650.9	248476.2	-7074.3	1716.1	-2947.7
257	1314419.2	249807.7	-7106.7	1705.1	-2917.5
258	1333203.9	251119.7	-7143.1	1694.1	-2887.7
259	1352009.8	252412.2	-7182.6	1683.0	-2857.9
260	1370819.9	253685.3	-7212.2	1671.8	-2828.1
261	1389642.6	254939.0	-7246.9	1660.6	-2798.3
262	1408463.0	256173.0	-7273.1	1649.3	-2768.1
263	1427294.4	257387.7	-7307.2	1638.0	-2738.3
264	1446131.1	258583.3	-7338.2	1626.6	-2708.5
265	1464931.9	259771.1	-7360.2	1608.6	-2684.0
266	1483798.0	260952.0	-7443.5	1590.0	-2659.9
267	1473945.5	262129.3	9523.9	1582.9	-2649.6
268	1460443.7	263307.6	11711.3	1593.7	-2660.7
269	1446765.9	264486.8	11844.2	1604.3	-2671.4
270	1432915.8	265666.5	11974.9	1614.9	-2681.8
271	1418891.3	266846.5	12106.8	1625.4	-2691.9

272	1628611.9	197904.6	183000.0	78332.8	-3919.0
273	1025544.4	199084.8	361123.6	1646.2	-2711.4
274	1146900.2	200246.6	-68205.0	1582.8	-2634.1
275	1276363.7	201326.5	-73329.9	1454.6	-2432.8
276	1406471.5	202313.2	-74014.0	1333.9	-2227.4
277	1413868.7	203222.0	-1393.5	1276.1	-2095.7
278	1393044.1	133563.7	183000.0	78120.2	-3004.8
279	910915.5	63891.7	183000.0	78085.3	-2958.6
280	439292.1	-5748.2	183000.0	78050.6	-2958.5
281	-38603.5	-4949.7	286991.0	1383.8	-2085.7
282	-33001.6	-4140.3	-64.9	1387.5	-2100.0
283	-27453.4	-3320.1	-23.9	1391.2	-2114.2
284	-21954.5	-2499.6	27.7	1400.5	-2123.2
285	-16578.4	-1678.9	123.6	1410.1	-2132.2
286	-11325.6	-858.6	219.9	1419.6	-2140.7
287	-6200.1	-38.6	318.2	1429.0	-2149.1
288	-1200.6	780.5	415.8	1438.3	-2157.0
289	3669.1	1598.9	515.5	1447.7	-2164.9
290	8347.5	2416.2	651.7	1456.9	-2172.5
291	12629.7	3234.2	942.4	1479.8	-2194.5
292	16664.6	4053.5	1155.0	1507.3	-2221.3
293	20457.8	4873.5	1364.3	1534.6	-2247.3
294	24383.0	5693.2	1339.8	1557.2	-2268.2
295	28294.8	6510.6	1369.6	1566.1	-2274.0
296	32071.0	7325.0	1472.0	1574.9	-2279.3
297	35708.1	8136.5	1576.5	1583.7	-2284.6
298	39208.8	8944.6	1679.2	1592.4	-2289.3
299	42569.6	9749.5	1784.0	1601.1	-2294.1
300	45793.7	10550.5	1886.8	1609.6	-2298.2
301	48876.6	11348.1	1992.1	1618.2	-2302.8
302	51824.6	12141.6	2093.5	1626.6	-2306.4
303	54632.2	12930.9	2198.1	1635.0	-2310.1
304	57301.7	13715.9	2301.3	1643.3	-2313.5
305	59834.3	14496.0	2403.6	1651.6	-2316.4
306	62226.6	15271.5	2507.9	1659.8	-2319.3
307	64481.3	16042.0	2610.4	1667.9	-2321.9
308	66598.6	16807.4	2712.8	1676.0	-2324.3
309	68579.1	17567.6	2814.6	1684.0	-2326.5
310	70423.1	18322.2	2916.2	1691.9	-2328.4
311	72654.7	19071.2	2702.5	1699.2	-2329.4
312	75235.1	19813.2	2486.0	1695.6	-2319.2
313	77743.4	20549.0	2521.2	1691.9	-2309.5
314	80187.3	21277.8	2551.9	1688.1	-2299.0
315	82559.9	22000.2	2586.3	1684.3	-2289.1
316	84868.8	22715.4	2616.2	1680.5	-2278.3
317	87558.4	23423.7	2379.5	1676.5	-2267.8
318	94904.4	24111.9	-472.4	1651.4	-2224.3
319	102406.8	24778.0	-671.4	1607.2	-2161.0
320	110033.7	25422.8	-851.5	1563.1	-2098.6
321	113762.0	26046.1	1396.6	1524.5	-2041.3
322	114615.4	26649.5	3162.0	1540.8	-2036.5
323	115291.8	27232.6	3307.8	1556.9	-2031.3
324	115794.3	27794.9	3451.7	1573.0	-2025.5
325	116123.6	28337.0	3595.1	1589.1	-2020.2
326	116289.0	28858.5	3732.8	1605.1	-2014.5
327	116279.6	29362.4	3872.2	1619.0	-2009.8
328	116076.2	29859.8	4005.4	1625.4	-2009.4
329	115772.6	30350.7	4082.0	1631.8	-2008.8
330	115370.6	30834.9	4157.5	1638.2	-2007.9
331	114870.6	31312.3	4232.6	1644.5	-2006.9
332	114272.6	31782.9	4307.6	1650.7	-2006.0
333	113581.1	32246.4	4379.8	1656.8	-2004.5
334	112794.7	32702.5	4452.6	1662.9	-2002.9
335	111913.4	33151.5	4525.4	1668.9	-2001.3
336	110942.0	33592.8	4595.1	1674.9	-1999.3
337	109879.3	34026.4	4665.5	1680.8	-1997.0
338	108725.1	34452.4	4735.8	1686.7	-1994.8
339	107485.9	34870.0	4802.2	1692.5	-1991.8
340	106155.7	35279.7	4872.0	1698.2	-1989.3
341	106128.3	35681.4	4100.5	1703.8	-1986.5
342	107932.0	36076.4	2961.5	1689.5	-1966.4

343	109724.4	36464.8	2930.6	1673.4	-1945.0
344	111534.8	36841.6	2890.3	1660.9	-1921.6
345	113336.4	37203.4	2871.9	1650.8	-1897.2
346	115099.6	37550.0	2871.3	1640.6	-1872.6
347	116821.4	37881.9	2872.2	1630.3	-1848.4
348	118505.6	38198.9	2870.7	1620.0	-1823.8
349	120148.0	38501.1	2871.7	1609.6	-1799.4
350	121748.6	38789.0	2872.5	1599.2	-1775.3
351	123015.1	39062.4	3049.9	1588.6	-1751.0
352	119772.8	39319.4	5793.3	1594.3	-1740.0
353	116438.9	39558.0	5893.8	1612.5	-1738.4
354	113003.7	39778.3	6000.0	1630.6	-1737.0
355	109467.9	39981.1	6103.7	1647.8	-1735.4
356	109339.6	40167.5	4070.1	1660.2	-1730.7
357	111214.8	40342.6	2816.8	1643.8	-1704.0
358	113066.7	40506.1	2791.7	1627.3	-1677.1
359	114892.0	40658.6	2768.3	1610.7	-1650.6
360	116692.9	40800.2	2743.5	1594.0	-1624.3
361	118469.2	40930.8	2718.6	1577.3	-1597.7
362	120218.6	41050.5	2694.9	1560.5	-1571.3
363	121940.1	41159.9	2671.7	1543.7	-1545.3
364	123635.4	41258.8	2647.3	1526.8	-1519.1
365	125302.0	41347.8	2624.1	1509.8	-1493.3
366	125118.3	41426.2	3717.2	1496.7	-1470.6
367	124443.4	41491.8	4007.0	1492.9	-1454.2
368	123726.6	41545.1	4023.6	1488.9	-1438.2
369	122969.7	41586.2	4039.0	1484.9	-1422.2
370	122174.2	41614.7	4053.4	1480.8	-1405.9
371	121338.7	41631.0	4068.4	1476.7	-1389.9
372	120466.8	41635.2	4081.1	1472.5	-1373.9
373	119559.3	41627.2	4093.2	1468.2	-1357.6
374	118615.1	41607.1	4105.7	1463.9	-1341.6
375	117637.8	41574.9	4116.0	1459.5	-1325.3
376	116625.9	41530.9	4127.0	1455.1	-1309.4
377	115582.7	41475.1	4135.8	1450.6	-1293.5
378	114508.9	41407.4	4144.1	1446.0	-1277.3
379	113403.7	41328.1	4152.6	1441.4	-1261.4
380	112270.2	41237.3	4159.1	1436.7	-1245.5
381	111108.6	41134.8	4165.4	1431.9	-1229.4
382	109919.0	41021.2	4171.4	1427.1	-1213.8
383	108705.6	40895.9	4174.8	1422.2	-1197.5
384	107465.2	40759.6	4179.9	1417.2	-1182.0
385	106202.2	40612.0	4182.2	1412.2	-1166.0
386	104915.0	40453.4	4185.3	1407.1	-1150.3
387	103606.5	40284.0	4186.4	1402.0	-1134.6
388	102277.0	40103.4	4187.3	1396.8	-1118.7
389	100927.2	39912.1	4187.5	1391.5	-1103.1
390	99558.5	39710.3	4186.7	1386.2	-1087.5
391	98172.3	39497.7	4185.0	1380.8	-1071.7
392	96767.8	39274.6	4183.5	1375.4	-1056.3
393	95347.4	39041.3	4180.4	1369.9	-1040.8
394	93913.1	38797.8	4175.9	1364.3	-1025.5
395	92464.0	38543.9	4171.9	1358.6	-1009.8
396	91000.9	38280.3	4167.1	1352.9	-994.8
397	89526.6	38006.6	4160.5	1347.1	-979.3
398	88039.7	37723.4	4154.0	1341.1	-964.2
399	86539.0	37431.7	4146.2	1334.1	-949.2
400	85031.3	37132.0	4134.0	1327.1	-934.8
401	83518.6	36824.0	4120.4	1320.1	-919.9
402	82001.2	36508.1	4106.5	1312.9	-905.3
403	80479.5	36184.3	4092.0	1305.7	-890.7
404	78955.5	35852.6	4076.4	1298.4	-876.0
405	77428.6	35513.5	4060.8	1291.1	-861.8
406	75901.0	35166.7	4043.7	1283.7	-847.2
407	74528.3	34812.6	3930.3	1276.0	-832.7
408	73235.2	34451.7	3859.4	1266.8	-817.4
409	71938.1	34084.4	3839.7	1257.5	-802.3
410	70638.7	33710.8	3818.8	1248.1	-787.4
411	69337.8	33331.4	3797.2	1238.7	-772.7
412	68036.5	32945.7	3774.9	1229.2	-757.7
413	66733.6	32554.0	3753.0	1219.7	-742.7

414	65430.7	32156.8	3730.0	1210.0	-728.3
415	64128.9	31753.9	3706.2	1200.3	-713.6
416	62827.4	31345.7	3682.6	1190.6	-699.1
417	61527.7	30932.2	3658.0	1180.8	-684.8
418	60230.3	30513.7	3632.9	1170.9	-670.5
419	58936.2	30090.0	3607.1	1160.9	-656.2
420	57645.1	29661.8	3581.1	1150.9	-642.3
421	56358.1	29228.9	3554.5	1140.8	-628.1
422	55075.1	28791.7	3527.5	1130.6	-614.5
423	53794.1	28350.1	3501.8	1120.4	-600.5
424	52525.8	27904.2	3469.3	1110.1	-586.6
425	51259.6	27454.6	3443.0	1099.7	-573.3
426	50000.1	27001.2	3413.8	1089.3	-559.8
427	48747.7	26544.1	3384.2	1078.8	-546.3
428	47502.9	26083.6	3354.1	1068.2	-533.1
429	46266.2	25619.9	3323.5	1057.6	-520.0
430	45037.8	25153.1	3292.6	1046.8	-507.0
431	43818.7	24683.3	3260.9	1036.1	-493.9
432	42608.7	24211.1	3229.1	1025.2	-481.3
433	41409.2	23736.1	3196.4	1014.3	-468.5
434	40219.5	23258.9	3163.8	1003.3	-456.0
435	39041.1	22779.5	3130.2	992.2	-443.6
436	37873.6	22298.2	3096.5	981.1	-431.3
437	36718.0	21815.2	3062.2	969.9	-419.1
438	35574.5	21330.6	3027.5	958.6	-407.1
439	34443.8	20844.5	2992.3	947.3	-395.0
440	33208.5	20356.7	3031.5	936.7	-383.5
441	31989.3	19866.8	2998.3	927.0	-372.3
442	30787.7	19374.8	2963.9	917.3	-361.3
443	29604.6	18880.8	2928.9	907.5	-350.2
444	28439.9	18385.2	2893.7	897.7	-339.4
445	27294.6	17888.1	2857.7	887.8	-328.7
446	26168.7	17389.8	2821.5	877.8	-318.1
447	25062.8	16890.4	2784.8	867.7	-307.7
448	23977.2	16390.0	2747.7	857.6	-297.3
449	22912.4	15889.1	2710.2	847.3	-287.2
450	21868.5	15387.8	2672.3	837.1	-277.2
451	20845.7	14885.9	2634.2	826.7	-267.1
452	19844.5	14384.1	2595.6	816.3	-257.5
453	18865.3	13882.3	2556.5	805.8	-247.7
454	17908.2	13380.8	2517.2	795.2	-238.3
455	16973.8	12880.0	2477.4	784.6	-228.9
456	16052.8	12384.7	2432.8	769.6	-220.6
457	15159.0	11896.0	2377.6	753.8	-212.5
458	14295.0	11414.0	2320.7	737.9	-204.4
459	13460.5	10939.0	2263.6	721.9	-196.5
460	12655.4	10471.3	2206.4	705.8	-188.8
461	11879.5	10011.0	2149.0	689.6	-181.2
462	11132.3	9558.3	2091.6	673.3	-173.6
463	10414.0	9113.6	2033.9	656.9	-166.2
464	9724.1	8677.0	1976.2	640.3	-159.0
465	9062.3	8248.7	1918.4	623.7	-151.8
466	8428.3	7829.0	1860.5	606.9	-144.9
467	7822.0	7418.2	1802.5	590.1	-138.1
468	7243.1	7016.6	1744.3	573.1	-131.4
469	6690.9	6624.2	1686.3	556.0	-124.8
470	6165.4	6241.3	1628.1	538.8	-118.4
471	5651.0	5868.4	1579.3	521.5	-112.1
472	5151.1	5504.4	1531.4	505.5	-106.2
473	4679.5	5149.8	1474.6	489.3	-100.5
474	4235.6	4804.8	1417.9	473.0	-94.9
475	3818.8	4469.5	1361.3	456.6	-89.4
476	3428.6	4144.3	1304.9	440.1	-84.1
477	3064.2	3829.3	1248.5	423.5	-79.0
478	2725.1	3524.9	1192.3	406.8	-73.9
479	2410.5	3231.2	1136.3	389.9	-69.0
480	2119.8	2948.5	1080.3	373.0	-64.2
481	1852.3	2677.1	1024.6	355.9	-59.6
482	1607.2	2417.2	969.1	338.7	-55.1
483	1383.6	2169.0	913.8	321.4	-50.8
484	1180.9	1932.9	858.8	304.0	-46.6

485	998.0	1708.9	804.0	286.5	-42.5
486	834.3	1497.5	749.5	268.8	-38.7
487	688.9	1298.9	695.3	251.1	-34.9
488	560.6	1113.4	641.3	233.2	-31.4
489	448.8	941.1	587.8	215.2	-27.9
490	352.3	782.3	534.5	197.1	-24.6
491	270.2	637.4	481.6	178.9	-21.5
492	201.5	506.6	429.1	160.6	-18.6
493	145.1	390.1	376.9	142.1	-15.8
494	99.9	288.3	325.2	123.6	-13.1
495	64.8	201.4	273.9	104.9	-10.7
496	38.7	129.6	223.1	86.1	-8.3
497	20.4	73.4	172.7	67.2	-6.2
498	8.6	32.8	122.9	48.1	-4.2
499	2.3	8.3	73.5	29.0	-2.4
500	0.0	0.0	24.7	9.7	-0.8

Σ				1257741.7	-1169188.9

VERIFICA STABILITA' DEI PENDII

 Sezione I-I - Condizione Statica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici : 0.000
 Coefficiente sismico verticale : 0.000
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
-----	-----	-----	-----
Pendio	1	113.050	142.750
Pendio	2	117.840	141.080
Pendio	3	131.200	145.550
Pendio	4	145.420	148.970
Pendio	5	150.370	152.340
Pendio	6	160.590	154.090
Pendio	7	165.480	156.180
Pendio	8	185.300	156.180
Pendio	9	190.350	154.260
Pendio	10	200.410	152.980
Pendio	11	205.520	151.470
Pendio	12	210.230	149.090
Pendio	13	225.290	146.470
Pendio	14	230.340	145.080
Pendio	15	245.050	137.050
Pendio	16	265.220	126.300
Pendio	17	275.680	125.720
Pendio	18	280.400	124.660
Pendio	19	282.220	124.660
Pendio	20	283.460	123.790
Pendio	21	288.040	123.790
Pendio	22	293.930	120.140
Pendio	23	300.790	118.280
Pendio	24	302.710	118.280
Pendio	25	303.680	115.850
Pendio	26	317.500	115.840
Pendio	27	318.110	114.680
Pendio	28	331.720	114.070
Pendio	29	337.170	111.650
Pendio	30	344.960	110.140
Pendio	31	348.520	109.660
Pendio	32	354.730	108.230
Pendio	33	357.380	108.250
Pendio	34	362.820	107.090
Pendio	35	364.670	107.010
Pendio	36	380.520	103.840
Pendio	37	385.530	103.050
Pendio	38	391.810	101.600
Pendio	39	413.320	100.670
Pendio	40	417.210	100.260
Pendio	41	424.530	99.220
Pendio	42	439.410	97.820
Pendio	43	442.840	97.470
Pendio	44	450.860	95.790
Pendio	45	454.760	95.260
Pendio	46	461.670	93.110
Pendio	47	466.960	92.530
Pendio	48	474.290	90.730

Pendio	49	479.050	89.860
Pendio	50	482.830	88.170
Pendio	51	495.850	84.450
Pendio	52	507.480	81.310
Pendio	53	510.440	81.260
2	1	120.350	141.920
2	2	120.350	140.600
2	3	135.440	145.280
2	4	140.710	146.390
2	5	145.490	147.880
2	6	150.490	150.960
2	7	160.590	153.200
2	8	165.530	155.000
2	9	185.300	155.000
2	10	190.300	153.250
2	11	195.350	152.510
2	12	200.190	151.870
2	13	205.500	150.220
2	14	210.230	147.930
2	15	215.230	146.820
2	16	225.220	145.600
2	17	230.170	144.000
2	18	245.050	136.080
2	19	262.910	126.410
2	20	262.910	127.531
3	1	121.270	140.885
3	2	121.270	140.110
3	3	128.720	137.000
3	4	135.570	133.750
3	5	140.500	132.760
3	6	145.530	132.270
3	7	150.410	131.280
3	8	160.520	127.980
3	9	165.510	126.640
3	10	170.540	124.770
3	11	175.470	124.430
3	12	200.470	124.280
3	13	205.600	123.830
3	14	215.270	123.880
3	15	220.300	123.590
3	16	232.430	123.540
3	17	236.370	123.240
3	18	254.970	122.700
3	19	259.950	124.620
3	20	262.120	125.810
3	21	262.120	126.838
4	1	115.780	141.798
4	2	115.780	140.620
4	3	120.700	139.340
4	4	125.570	137.030
4	5	131.180	134.670
4	6	135.210	132.850
4	7	140.530	131.670
4	8	145.390	131.330
4	9	150.360	130.290
4	10	155.180	128.620
4	11	160.540	126.700
4	12	165.460	125.330
4	13	170.530	123.610
4	14	175.400	123.210
4	15	180.120	123.560
4	16	187.740	123.510
4	17	190.150	123.210
4	18	200.240	123.310
4	19	205.250	122.670
4	20	215.390	122.670
4	21	222.270	122.670
4	22	230.240	122.420
4	23	236.490	122.380
4	24	239.930	122.030
4	25	246.230	122.030

4	26	250.310	121.690
4	27	255.330	121.830
4	28	260.290	123.610
4	29	264.180	125.770
4	30	264.180	126.854
5	1	256.390	122.210
5	2	256.390	121.250
5	3	264.390	118.300
5	4	280.885	118.286
5	5	280.885	124.660
6	1	116.500	140.433
6	2	116.500	123.870
6	3	135.600	121.340
6	4	140.340	120.970
6	5	155.680	118.820
6	6	160.470	118.600
6	7	170.470	116.720
6	8	177.040	116.770
6	9	180.160	115.960
6	10	185.110	116.180
6	11	187.960	115.260
6	12	192.320	115.210
6	13	205.510	113.430
6	14	210.130	112.410
6	15	222.080	111.070
6	16	224.990	110.100
6	17	232.410	109.130
6	18	238.220	108.860
6	19	240.380	108.270
6	20	245.380	107.840
6	21	255.120	105.950
6	22	264.810	104.290
6	23	266.370	104.180
6	24	274.810	102.940
6	25	280.885	102.360
6	26	280.885	118.286
7	1	280.885	102.360
7	2	280.885	98.160
7	3	281.355	98.160
7	4	281.355	124.660
8	1	281.355	124.660
8	2	281.355	118.285
8	3	284.290	118.283
8	4	284.290	123.790
9	1	281.355	124.660
9	2	281.355	102.300
9	3	282.110	102.260
9	4	284.290	101.790
9	5	284.290	118.283
10	1	284.290	101.790
10	2	284.290	93.790
10	3	285.020	93.790
10	4	285.020	101.637
11	1	285.000	123.790
11	2	285.000	118.270
11	3	299.300	118.270
11	4	299.300	118.684
12	1	285.000	123.790
12	2	285.000	101.640
12	3	285.310	101.600
12	4	300.790	99.050
12	5	301.605	98.878
12	6	301.605	118.280
13	1	301.605	98.878
13	2	301.605	96.280
13	3	302.225	96.280
13	4	302.225	118.280
14	1	302.225	118.280
14	2	302.225	98.705
14	3	303.140	98.510
14	4	303.855	98.416

14	5	303.855	115.850
15	1	303.855	98.416
15	2	303.855	85.850
15	3	305.155	85.850
15	4	305.155	115.849
16	1	305.155	115.849
16	2	305.155	98.169
16	3	306.400	97.990
16	4	317.380	97.880
16	5	319.160	96.540
16	6	326.580	96.540
16	7	334.650	93.790
16	8	352.950	90.670
16	9	359.780	89.490
16	10	369.950	87.660
16	11	371.460	86.910
16	12	375.440	86.690
16	13	389.590	83.840
16	14	400.300	83.410
16	15	404.450	82.920
16	16	411.280	82.870
16	17	416.230	82.390
16	18	425.060	81.040
16	19	429.630	81.150
16	20	445.400	78.560
16	21	448.360	78.350
16	22	454.540	76.840
16	23	458.100	75.600
16	24	459.930	75.440
16	25	459.930	93.651

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
6	Fila 1	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.00
8	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
9	Fila 2	2500.0	18.30	0.00	1.00
10	ARGINE	1900.0	0.40	25.00	0.00
11	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
12	Fila 3	2500.0	18.30	0.00	1.00
13	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
14	Fila 4	2500.0	18.30	0.00	1.00
15	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
16	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	357.91	403.75	306.60
2	331.06	361.62	264.59
3	323.96	326.74	228.54
4	320.74	290.97	192.19
5	301.23	236.22	135.47
6	321.05	299.20	200.95
7	312.54	264.99	165.69
8	331.10	369.87	272.69
9	304.64	273.23	172.60
10	306.58	236.37	136.69
11	312.10	263.41	164.21

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di Janbu

RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	357.91	403.75	306.60	2.023	1
2	331.06	361.62	264.59	1.776	1
3	323.96	326.74	228.54	1.919	1
4	320.74	290.97	192.19	1.828	1
5	301.23	236.22	135.47	1.959	1
6	321.05	299.20	200.95	1.807	1
7	312.54	264.99	165.69	1.848	1
8	331.10	369.87	272.69	1.886	1
9	304.64	273.23	172.60	1.898	1
10	306.58	236.37	136.69	1.937	1
11	312.10	263.41	164.21	1.893	1

CERCHIO CRITICO N° 2

Larghezza del concio.....=0.443

Situazione di carico numero 1

Coefficiente di sicurezza F =1.776

Coefficiente di forma =0.11316

Coefficiente F/Fo =1.04949

Numero iterazioni = 2

Precisione =0.00040

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-38.89	0.569	0.120	19.6	230.5	0.0
2	-38.77	0.568	0.120	19.6	690.5	0.0
3	-38.64	0.568	0.008	19.6	1016.1	0.0
4	-38.52	0.567	0.008	19.6	1219.9	0.0
5	-38.40	0.566	0.008	19.6	1422.7	0.0
6	-38.28	0.565	0.008	19.6	1624.7	0.0
7	-38.15	0.564	0.008	19.6	1825.8	0.0
8	-38.03	0.563	0.008	19.6	2026.1	0.0
9	-37.91	0.562	0.008	19.6	2225.4	0.0
10	-37.79	0.561	0.008	19.6	2423.9	0.0
11	-37.67	0.560	0.008	19.6	2621.5	0.0
12	-37.55	0.559	0.008	19.6	2818.2	0.0
13	-37.43	0.558	0.008	19.6	3014.1	0.0
14	-37.31	0.557	0.008	19.6	3209.1	0.0
15	-37.18	0.556	0.008	19.6	3403.3	0.0
16	-37.06	0.555	0.008	19.6	3596.7	0.0
17	-36.94	0.555	0.008	19.6	3789.2	0.0
18	-36.82	0.554	0.008	19.6	3980.8	0.0
19	-36.70	0.553	0.008	19.6	4171.6	0.0
20	-36.58	0.552	0.008	19.6	4361.6	0.0
21	-36.47	0.551	0.008	19.6	4550.8	0.0
22	-36.35	0.550	0.008	19.6	4739.1	0.0
23	-36.23	0.549	0.008	19.6	4926.6	0.0
24	-36.11	0.549	0.008	19.6	5113.4	0.0

25	-35.99	0.548	0.008	19.6	5299.2	0.0
26	-35.87	0.547	0.008	19.6	5484.3	0.0
27	-35.75	0.546	0.008	19.6	5668.6	0.0
28	-35.63	0.545	0.008	19.6	5852.1	0.0
29	-35.52	0.545	0.008	19.6	6034.8	0.0
30	-35.40	0.544	0.008	19.6	6216.7	0.0
31	-35.28	0.543	0.008	19.6	6397.8	0.0
32	-35.16	0.542	0.008	19.6	6578.1	0.0
33	-35.05	0.541	0.008	19.6	6757.6	0.0
34	-34.93	0.541	0.008	19.6	6936.4	0.0
35	-34.81	0.540	0.008	19.6	7114.4	0.0
36	-34.69	0.539	0.008	19.6	7291.6	0.0
37	-34.58	0.538	0.008	19.6	7468.0	0.0
38	-34.46	0.538	0.008	19.6	7643.7	0.0
39	-34.35	0.537	0.008	19.6	7818.6	0.0
40	-34.23	0.536	0.008	19.6	7992.7	0.0
41	-34.11	0.535	0.008	19.6	8166.1	0.0
42	-34.00	0.535	0.008	19.6	8338.8	0.0
43	-33.88	0.534	0.008	19.6	8510.6	0.0
44	-33.77	0.533	0.008	19.6	8681.8	0.0
45	-33.65	0.532	0.008	19.6	8852.2	0.0
46	-33.54	0.532	0.008	19.6	9021.8	0.0
47	-33.42	0.531	0.008	19.6	9185.3	0.0
48	-33.31	0.530	0.008	19.6	9252.8	0.0
49	-33.19	0.530	0.008	19.6	9319.6	0.0
50	-33.08	0.529	0.008	19.6	9385.6	0.0
51	-32.96	0.528	0.008	19.6	9450.9	0.0
52	-32.85	0.528	0.008	19.6	9515.5	0.0
53	-32.73	0.527	0.008	19.6	9579.4	0.0
54	-32.62	0.526	0.008	19.6	9642.6	0.0
55	-32.50	0.526	0.008	19.6	9705.0	0.0
56	-32.39	0.525	0.008	19.6	9766.7	0.0
57	-32.28	0.524	0.008	19.6	9827.7	0.0
58	-32.16	0.524	0.008	19.6	9888.0	0.0
59	-32.05	0.523	0.008	19.6	9991.5	0.0
60	-31.94	0.522	0.008	19.6	10120.8	0.0
61	-31.82	0.522	0.008	19.6	10249.5	0.0
62	-31.71	0.521	0.008	19.6	10377.4	0.0
63	-31.60	0.520	0.008	19.6	10504.7	0.0
64	-31.49	0.520	0.008	19.6	10631.2	0.0
65	-31.37	0.519	0.008	19.6	10757.1	0.0
66	-31.26	0.519	0.008	19.6	10882.3	0.0
67	-31.15	0.518	0.008	19.6	11006.8	0.0
68	-31.04	0.517	0.008	19.6	11130.6	0.0
69	-30.92	0.517	0.008	19.6	11253.7	0.0
70	-30.81	0.516	0.008	19.6	11375.5	0.0
71	-30.70	0.515	0.008	19.6	11495.6	0.0
72	-30.59	0.515	0.008	19.6	11615.0	0.0
73	-30.48	0.514	0.008	19.6	11733.8	0.0
74	-30.37	0.514	0.008	19.6	11851.8	0.0
75	-30.26	0.513	0.008	19.6	11969.3	0.0
76	-30.14	0.513	0.008	19.6	12086.0	0.0
77	-30.03	0.512	0.008	19.6	12202.1	0.0
78	-29.92	0.511	0.008	19.6	12317.5	0.0
79	-29.81	0.511	0.008	19.6	12432.3	0.0
80	-29.70	0.510	0.008	19.6	12546.4	0.0
81	-29.59	0.510	0.008	19.6	12669.6	0.0
82	-29.48	0.509	0.008	19.6	12742.8	0.0
83	-29.37	0.509	0.008	19.6	12813.2	0.0
84	-29.26	0.508	0.008	19.6	12883.0	0.0
85	-29.15	0.508	0.008	19.6	12952.1	0.0
86	-29.04	0.507	0.008	19.6	13020.5	0.0
87	-28.93	0.506	0.008	19.6	13088.4	0.0
88	-28.82	0.506	0.008	19.6	13155.6	0.0
89	-28.71	0.505	0.008	19.6	13222.1	0.0
90	-28.60	0.505	0.008	19.6	13288.0	0.0
91	-28.49	0.504	0.008	19.6	13353.3	0.0
92	-28.39	0.504	0.008	19.6	13417.9	0.0
93	-28.28	0.503	0.008	19.6	13457.6	0.0
94	-28.17	0.503	0.008	19.6	13463.2	0.0
95	-28.06	0.502	0.008	19.6	13468.0	0.0

96	-27.95	0.502	0.008	19.6	13472.3	0.0
97	-27.84	0.501	0.008	19.6	13476.0	0.0
98	-27.73	0.501	0.008	19.6	13479.0	0.0
99	-27.62	0.500	0.008	19.6	13481.4	0.0
100	-27.52	0.500	0.008	19.6	13483.2	0.0
101	-27.41	0.499	0.008	19.6	13484.4	0.0
102	-27.30	0.499	0.008	19.6	13485.0	0.0
103	-27.19	0.498	0.008	19.6	13484.9	0.0
104	-27.08	0.498	0.008	19.6	13559.4	0.0
105	-26.98	0.497	0.008	19.6	13651.0	0.0
106	-26.87	0.497	0.008	19.6	13741.9	0.0
107	-26.76	0.496	0.008	19.6	13832.2	0.0
108	-26.65	0.496	0.008	19.6	13922.0	0.0
109	-26.55	0.495	0.008	19.6	14011.1	0.0
110	-26.44	0.495	0.008	19.6	14099.6	0.0
111	-26.33	0.495	0.008	19.6	14187.5	0.0
112	-26.22	0.494	0.008	19.6	14274.9	0.0
113	-26.12	0.494	0.008	19.6	14361.6	0.0
114	-26.01	0.493	0.000	11.3	14462.1	0.0
115	-25.90	0.493	0.000	11.3	14596.2	0.0
116	-25.80	0.492	0.000	11.3	14719.7	0.0
117	-25.69	0.492	0.000	11.3	14842.4	0.0
118	-25.58	0.491	0.000	11.3	14964.2	0.0
119	-25.48	0.491	0.000	11.3	15085.1	0.0
120	-25.37	0.491	0.200	15.0	15205.2	0.0
121	-25.27	0.490	0.200	15.0	15324.5	0.0
122	-25.16	0.490	0.200	15.0	15442.9	0.0
123	-25.05	0.489	0.200	15.0	15560.5	0.0
124	-24.95	0.489	0.200	15.0	15677.2	0.0
125	-24.84	0.488	0.200	15.0	15793.1	0.0
126	-24.74	0.488	0.200	15.0	15908.8	0.0
127	-24.63	0.488	0.200	15.0	16029.3	0.0
128	-24.52	0.487	0.200	15.0	16149.0	0.0
129	-24.42	0.487	0.200	15.0	16267.8	0.0
130	-24.31	0.486	0.200	15.0	16385.9	0.0
131	-24.21	0.486	0.200	15.0	16503.1	0.0
132	-24.10	0.486	0.200	15.0	16619.5	0.0
133	-24.00	0.485	0.200	15.0	16735.0	0.0
134	-23.89	0.485	0.200	15.0	16849.8	0.0
135	-23.79	0.484	0.200	15.0	16963.7	0.0
136	-23.68	0.484	0.200	15.0	17076.8	0.0
137	-23.58	0.484	0.200	15.0	17189.1	0.0
138	-23.47	0.483	0.200	15.0	17292.6	0.0
139	-23.37	0.483	0.200	15.0	17389.2	0.0
140	-23.26	0.482	0.200	15.0	17485.0	0.0
141	-23.16	0.482	0.200	15.0	17579.9	0.0
142	-23.06	0.482	0.200	15.0	17674.1	0.0
143	-22.95	0.481	0.200	15.0	17767.4	0.0
144	-22.85	0.481	0.200	15.0	17860.0	0.0
145	-22.74	0.481	0.200	15.0	17951.7	0.0
146	-22.64	0.480	0.200	15.0	18042.7	0.0
147	-22.54	0.480	0.200	15.0	18132.8	0.0
148	-22.43	0.480	0.200	15.0	18222.2	0.0
149	-22.33	0.479	0.200	15.0	18286.6	0.0
150	-22.22	0.479	0.200	15.0	18298.0	0.0
151	-22.12	0.478	0.200	15.0	18308.6	0.0
152	-22.02	0.478	0.200	15.0	18318.4	0.0
153	-21.91	0.478	0.200	15.0	18327.5	0.0
154	-21.81	0.477	0.200	15.0	18329.6	0.0
155	-21.71	0.477	0.200	15.0	18328.6	0.0
156	-21.60	0.477	0.200	15.0	18326.8	0.0
157	-21.50	0.476	0.200	15.0	18324.2	0.0
158	-21.40	0.476	0.200	15.0	18320.8	0.0
159	-21.29	0.476	0.200	15.0	18316.7	0.0
160	-21.19	0.475	0.200	15.0	18311.8	0.0
161	-21.09	0.475	0.200	15.0	18306.2	0.0
162	-20.99	0.475	0.200	15.0	18299.7	0.0
163	-20.88	0.474	0.200	15.0	18297.1	0.0
164	-20.78	0.474	0.200	15.0	18294.7	0.0
165	-20.68	0.474	0.200	15.0	18291.5	0.0
166	-20.58	0.473	0.200	15.0	18287.6	0.0

167	-20.47	0.473	0.200	15.0	18282.9	0.0
168	-20.37	0.473	0.200	15.0	18277.4	0.0
169	-20.27	0.472	0.200	15.0	18271.2	0.0
170	-20.17	0.472	0.200	15.0	18264.2	0.0
171	-20.06	0.472	0.200	15.0	18256.4	0.0
172	-19.96	0.472	0.200	15.0	18247.9	0.0
173	-19.86	0.471	0.200	15.0	18238.7	0.0
174	-19.76	0.471	0.200	15.0	18228.7	0.0
175	-19.66	0.471	0.200	15.0	18217.9	0.0
176	-19.55	0.470	0.200	15.0	18206.4	0.0
177	-19.45	0.470	0.200	15.0	18194.2	0.0
178	-19.35	0.470	0.200	15.0	18181.2	0.0
179	-19.25	0.469	0.200	15.0	18167.4	0.0
180	-19.15	0.469	0.200	15.0	18153.0	0.0
181	-19.04	0.469	0.200	15.0	18137.7	0.0
182	-18.94	0.469	0.200	15.0	18123.3	0.0
183	-18.84	0.468	0.200	15.0	18112.5	0.0
184	-18.74	0.468	0.200	15.0	18100.9	0.0
185	-18.64	0.468	0.200	15.0	18088.6	0.0
186	-18.54	0.467	0.200	15.0	18075.6	0.0
187	-18.44	0.467	0.200	15.0	18061.9	0.0
188	-18.34	0.467	0.200	15.0	18047.4	0.0
189	-18.23	0.467	0.200	15.0	18032.2	0.0
190	-18.13	0.466	0.200	15.0	18016.3	0.0
191	-18.03	0.466	0.200	15.0	17999.6	0.0
192	-17.93	0.466	0.200	15.0	17982.2	0.0
193	-17.83	0.466	0.200	15.0	17964.1	0.0
194	-17.73	0.465	0.200	15.0	17945.2	0.0
195	-17.63	0.465	0.200	15.0	17925.7	0.0
196	-17.53	0.465	0.200	15.0	17905.4	0.0
197	-17.43	0.465	0.200	15.0	17884.4	0.0
198	-17.33	0.464	0.200	15.0	17862.6	0.0
199	-17.23	0.464	0.200	15.0	17840.2	0.0
200	-17.13	0.464	0.200	15.0	17817.0	0.0
201	-17.03	0.464	0.200	15.0	17793.2	0.0
202	-16.93	0.463	0.200	15.0	17768.6	0.0
203	-16.82	0.463	0.200	15.0	17743.2	0.0
204	-16.72	0.463	0.200	15.0	17717.2	0.0
205	-16.62	0.463	0.200	15.0	17733.1	0.0
206	-16.53	0.462	0.200	15.0	17754.6	0.0
207	-16.42	0.462	0.200	15.0	17775.3	0.0
208	-16.32	0.462	0.200	15.0	17795.3	0.0
209	-16.22	0.462	0.200	15.0	17814.6	0.0
210	-16.12	0.461	0.200	15.0	17833.2	0.0
211	-16.02	0.461	0.200	15.0	17851.0	0.0
212	-15.92	0.461	0.200	15.0	17868.2	0.0
213	-15.82	0.461	0.200	15.0	17884.7	0.0
214	-15.73	0.460	0.200	15.0	17900.5	0.0
215	-15.62	0.460	0.200	15.0	17915.6	0.0
216	-15.53	0.460	0.200	15.0	17942.2	0.0
217	-15.43	0.460	0.200	15.0	17975.0	0.0
218	-15.33	0.460	0.200	15.0	18007.2	0.0
219	-15.23	0.459	0.200	15.0	18038.7	0.0
220	-15.13	0.459	0.200	15.0	18069.5	0.0
221	-15.03	0.459	0.200	15.0	18277.5	0.0
222	-14.93	0.459	0.200	15.0	18178.4	0.0
223	-14.83	0.459	0.200	15.0	18078.6	0.0
224	-14.73	0.458	0.200	15.0	17978.2	0.0
225	-14.63	0.458	0.200	15.0	17877.0	0.0
226	-14.53	0.458	0.200	15.0	17775.2	0.0
227	-14.43	0.458	0.200	15.0	17672.6	0.0
228	-14.33	0.457	0.200	15.0	17702.9	0.0
229	-14.23	0.457	0.200	15.0	17777.2	0.0
230	-14.14	0.457	0.200	15.0	17850.8	0.0
231	-14.04	0.457	0.200	15.0	17923.8	0.0
232	-13.94	0.457	0.200	15.0	17996.1	0.0
233	-13.84	0.456	0.200	15.0	18067.7	0.0
234	-13.74	0.456	0.200	15.0	18138.6	0.0
235	-13.64	0.456	0.200	15.0	18208.8	0.0
236	-13.54	0.456	0.200	15.0	18278.4	0.0
237	-13.44	0.456	0.200	15.0	18347.3	0.0

238	-13.34	0.456	0.200	15.0	18415.5	0.0
239	-13.25	0.455	0.200	15.0	18483.0	0.0
240	-13.15	0.455	0.200	15.0	18549.8	0.0
241	-13.05	0.455	0.200	15.0	18616.0	0.0
242	-12.95	0.455	0.200	15.0	18681.5	0.0
243	-12.85	0.455	0.200	15.0	18746.3	0.0
244	-12.75	0.454	0.200	15.0	18810.4	0.0
245	-12.66	0.454	0.200	15.0	18873.9	0.0
246	-12.56	0.454	0.200	15.0	18936.6	0.0
247	-12.46	0.454	0.200	15.0	18998.8	0.0
248	-12.36	0.454	0.200	15.0	19060.2	0.0
249	-12.26	0.454	0.200	15.0	19121.0	0.0
250	-12.16	0.453	0.200	15.0	19181.1	0.0
251	-12.07	0.453	0.200	15.0	19231.0	0.0
252	-11.97	0.453	0.176	14.5	19226.6	0.0
253	-11.87	0.453	0.176	14.5	19221.6	0.0
254	-11.77	0.453	0.176	14.5	19215.9	0.0
255	-11.67	0.453	0.176	14.5	19209.5	0.0
256	-11.58	0.452	0.176	14.5	19202.5	0.0
257	-11.48	0.452	0.176	14.5	19194.8	0.0
258	-11.38	0.452	0.176	14.5	19186.4	0.0
259	-11.28	0.452	0.176	14.5	19177.4	0.0
260	-11.18	0.452	0.176	14.5	19167.7	0.0
261	-11.09	0.452	0.176	14.5	19157.3	0.0
262	-10.99	0.452	0.176	14.5	19188.3	0.0
263	-10.89	0.451	18.300	0.0	25342.8	0.0
264	-10.79	0.451	0.176	14.5	19332.0	0.0
265	-10.70	0.451	0.176	14.5	19402.8	0.0
266	-10.60	0.451	0.176	14.5	19369.4	0.0
267	-10.50	0.451	0.176	14.5	19177.1	0.0
268	-10.40	0.451	0.176	14.5	18984.0	0.0
269	-10.30	0.451	0.176	14.5	18946.9	0.0
270	-10.21	0.450	0.176	14.5	19014.4	0.0
271	-10.11	0.450	18.300	0.0	25107.0	0.0
272	-10.01	0.450	0.176	14.5	19147.5	0.0
273	-9.91	0.450	0.176	14.5	19213.1	0.0
274	-9.82	0.450	0.176	14.5	19278.0	0.0
275	-9.72	0.450	0.176	14.5	19342.3	0.0
276	-9.62	0.450	0.176	14.5	19405.9	0.0
277	-9.53	0.449	0.176	14.5	19468.9	0.0
278	-9.43	0.449	0.176	14.5	19531.2	0.0
279	-9.33	0.449	0.176	14.5	19531.5	0.0
280	-9.23	0.449	0.176	14.5	19361.2	0.0
281	-9.14	0.449	0.176	14.5	19190.3	0.0
282	-9.04	0.449	0.176	14.5	19018.6	0.0
283	-8.94	0.449	0.176	14.5	18846.4	0.0
284	-8.84	0.449	0.176	14.5	18673.5	0.0
285	-8.75	0.448	0.176	14.5	18499.9	0.0
286	-8.65	0.448	0.176	14.5	18325.7	0.0
287	-8.55	0.448	0.176	14.5	18150.8	0.0
288	-8.46	0.448	0.176	14.5	17975.3	0.0
289	-8.36	0.448	0.176	14.5	17799.2	0.0
290	-8.26	0.448	0.176	14.5	17622.4	0.0
291	-8.16	0.448	0.176	14.5	17444.9	0.0
292	-8.07	0.448	0.176	14.5	17266.8	0.0
293	-7.97	0.448	0.176	14.5	17215.2	0.0
294	-7.87	0.447	0.176	14.5	17165.9	0.0
295	-7.78	0.447	0.176	14.5	17116.0	0.0
296	-7.68	0.447	0.176	14.5	17065.5	0.0
297	-7.58	0.447	0.176	14.5	17014.3	0.0
298	-7.49	0.447	0.176	14.5	16962.4	0.0
299	-7.39	0.447	0.176	14.5	16910.0	0.0
300	-7.29	0.447	0.176	14.5	16856.8	0.0
301	-7.20	0.447	0.176	14.5	16803.1	0.0
302	-7.10	0.447	0.176	14.5	16748.7	0.0
303	-7.00	0.447	0.176	14.5	16693.7	0.0
304	-6.91	0.446	0.176	14.5	16638.0	0.0
305	-6.81	0.446	0.176	14.5	16581.7	0.0
306	-6.71	0.446	0.176	14.5	16524.7	0.0
307	-6.62	0.446	0.176	14.5	16467.1	0.0
308	-6.52	0.446	0.176	14.5	16459.5	0.0

309	-6.42	0.446	0.176	14.5	16501.8	0.0
310	-6.33	0.446	18.300	0.0	21767.8	0.0
311	-6.23	0.446	0.176	14.5	16584.6	0.0
312	-6.13	0.446	0.176	14.5	16467.6	0.0
313	-6.04	0.446	0.176	14.5	15572.2	0.0
314	-5.94	0.446	0.200	15.0	14676.2	0.0
315	-5.84	0.446	18.300	0.0	19336.6	0.0
316	-5.75	0.445	18.300	0.0	19386.1	0.0
317	-5.65	0.445	18.300	0.0	19434.7	0.0
318	-5.55	0.445	0.200	15.0	14806.8	0.0
319	-5.46	0.445	0.200	15.0	14842.5	0.0
320	-5.36	0.445	0.200	15.0	14877.6	0.0
321	-5.27	0.445	0.200	15.0	14912.0	0.0
322	-5.17	0.445	0.200	15.0	14945.8	0.0
323	-5.07	0.445	0.200	15.0	14979.0	0.0
324	-4.98	0.445	0.200	15.0	15011.6	0.0
325	-4.88	0.445	0.200	15.0	15043.5	0.0
326	-4.78	0.445	0.176	14.5	15074.8	0.0
327	-4.69	0.445	0.176	14.5	15105.4	0.0
328	-4.59	0.445	0.176	14.5	15135.4	0.0
329	-4.49	0.445	0.176	14.5	15164.8	0.0
330	-4.40	0.445	0.176	14.5	15193.6	0.0
331	-4.30	0.444	0.176	14.5	15221.7	0.0
332	-4.21	0.444	0.176	14.5	15249.2	0.0
333	-4.11	0.444	0.176	14.5	15276.1	0.0
334	-4.01	0.444	0.176	14.5	15302.3	0.0
335	-3.92	0.444	0.176	14.5	15327.9	0.0
336	-3.82	0.444	0.176	14.5	15352.9	0.0
337	-3.73	0.444	0.176	14.5	15377.3	0.0
338	-3.63	0.444	0.176	14.5	15401.0	0.0
339	-3.53	0.444	0.176	14.5	15424.1	0.0
340	-3.44	0.444	0.176	14.5	15446.5	0.0
341	-3.34	0.444	0.176	14.5	15468.4	0.0
342	-3.25	0.444	0.176	14.5	15489.6	0.0
343	-3.15	0.444	0.176	14.5	15510.1	0.0
344	-3.05	0.444	0.176	14.5	15530.1	0.0
345	-2.96	0.444	0.176	14.5	15549.4	0.0
346	-2.86	0.444	0.176	14.5	14999.7	0.0
347	-2.76	0.444	0.200	15.0	14602.6	0.0
348	-2.67	0.444	0.200	15.0	14603.6	0.0
349	-2.57	0.444	0.200	15.0	14603.9	0.0
350	-2.48	0.444	0.200	15.0	14603.7	0.0
351	-2.38	0.444	0.200	15.0	14602.8	0.0
352	-2.28	0.444	0.200	15.0	14601.2	0.0
353	-2.19	0.444	0.200	15.0	14599.1	0.0
354	-2.09	0.444	0.200	15.0	14596.3	0.0
355	-2.00	0.444	0.200	15.0	14592.9	0.0
356	-1.90	0.443	0.200	15.0	14588.8	0.0
357	-1.80	0.443	0.200	15.0	14584.2	0.0
358	-1.71	0.443	0.200	15.0	14578.9	0.0
359	-1.61	0.443	0.200	15.0	14573.0	0.0
360	-1.51	0.443	0.200	15.0	14566.4	0.0
361	-1.42	0.443	0.200	15.0	14559.2	0.0
362	-1.32	0.443	0.200	15.0	14551.4	0.0
363	-1.23	0.443	0.200	15.0	14543.0	0.0
364	-1.13	0.443	0.200	15.0	14534.0	0.0
365	-1.04	0.443	0.200	15.0	14524.3	0.0
366	-0.94	0.443	0.200	15.0	14514.0	0.0
367	-0.84	0.443	0.200	15.0	14503.1	0.0
368	-0.75	0.443	0.200	15.0	14491.5	0.0
369	-0.65	0.443	0.200	15.0	14479.4	0.0
370	-0.56	0.443	0.200	15.0	14466.5	0.0
371	-0.46	0.443	0.200	15.0	14453.1	0.0
372	-0.36	0.443	0.200	15.0	14439.1	0.0
373	-0.27	0.443	0.200	15.0	14424.4	0.0
374	-0.17	0.443	0.200	15.0	14409.1	0.0
375	-0.07	0.443	0.200	15.0	14393.2	0.0
376	0.02	0.443	0.200	15.0	14376.6	0.0
377	0.12	0.443	0.200	15.0	14359.4	0.0
378	0.21	0.443	0.200	15.0	14234.4	0.0
379	0.31	0.443	0.200	15.0	14066.9	0.0

380	0.41	0.443	0.200	15.0	13898.8	0.0
381	0.50	0.443	0.200	15.0	13730.1	0.0
382	0.60	0.443	0.200	15.0	13560.8	0.0
383	0.69	0.443	0.200	15.0	13390.9	0.0
384	0.79	0.443	0.200	15.0	13220.3	0.0
385	0.88	0.443	0.200	15.0	13049.1	0.0
386	0.98	0.443	0.200	15.0	12877.2	0.0
387	1.08	0.443	0.200	15.0	12704.8	0.0
388	1.17	0.443	0.200	15.0	12531.7	0.0
389	1.27	0.443	0.200	15.0	12358.0	0.0
390	1.36	0.443	0.200	15.0	12223.3	0.0
391	1.46	0.443	0.200	15.0	12141.7	0.0
392	1.56	0.443	0.200	15.0	12059.5	0.0
393	1.65	0.443	0.200	15.0	11976.7	0.0
394	1.75	0.443	0.200	15.0	11893.2	0.0
395	1.84	0.443	0.200	15.0	11809.2	0.0
396	1.94	0.443	0.200	15.0	11724.5	0.0
397	2.04	0.444	0.200	15.0	11639.2	0.0
398	2.13	0.444	0.200	15.0	11553.2	0.0
399	2.23	0.444	0.200	15.0	11466.6	0.0
400	2.33	0.444	0.200	15.0	11379.4	0.0
401	2.42	0.444	0.200	15.0	11291.6	0.0
402	2.52	0.444	0.200	15.0	11203.2	0.0
403	2.61	0.444	0.200	15.0	11114.1	0.0
404	2.71	0.444	0.200	15.0	11024.4	0.0
405	2.81	0.444	0.200	15.0	10934.0	0.0
406	2.90	0.444	0.200	15.0	10843.1	0.0
407	3.00	0.444	0.200	15.0	10751.5	0.0
408	3.09	0.444	0.200	15.0	10678.0	0.0
409	3.19	0.444	0.200	15.0	10607.1	0.0
410	3.29	0.444	0.200	15.0	10535.7	0.0
411	3.38	0.444	0.200	15.0	10463.6	0.0
412	3.48	0.444	0.200	15.0	10390.9	0.0
413	3.57	0.444	0.200	15.0	10317.6	0.0
414	3.67	0.444	0.200	15.0	10243.6	0.0
415	3.77	0.444	0.200	15.0	10169.0	0.0
416	3.86	0.444	0.200	15.0	10064.7	0.0
417	3.96	0.444	0.200	15.0	9953.2	0.0
418	4.06	0.444	0.200	15.0	9841.1	0.0
419	4.15	0.444	0.200	15.0	9728.3	0.0
420	4.25	0.444	0.200	15.0	9615.0	0.0
421	4.34	0.445	0.200	15.0	9501.0	0.0
422	4.44	0.445	0.200	15.0	9386.3	0.0
423	4.54	0.445	0.200	15.0	9271.1	0.0
424	4.63	0.445	0.200	15.0	9155.2	0.0
425	4.73	0.445	0.200	15.0	9038.7	0.0
426	4.83	0.445	0.200	15.0	8921.5	0.0
427	4.92	0.445	0.200	15.0	8803.7	0.0
428	5.02	0.445	0.200	15.0	8685.3	0.0
429	5.11	0.445	0.200	15.0	8566.2	0.0
430	5.21	0.445	0.200	15.0	8518.2	0.0
431	5.31	0.445	0.200	15.0	8486.7	0.0
432	5.40	0.445	0.200	15.0	8454.5	0.0
433	5.50	0.445	0.200	15.0	8421.7	0.0
434	5.60	0.445	0.200	15.0	8388.3	0.0
435	5.69	0.445	0.200	15.0	8354.2	0.0
436	5.79	0.446	0.200	15.0	8251.1	0.0
437	5.89	0.446	0.200	15.0	8133.4	0.0
438	5.98	0.446	0.200	15.0	8015.0	0.0
439	6.08	0.446	0.200	15.0	7895.9	0.0
440	6.18	0.446	0.200	15.0	7776.3	0.0
441	6.27	0.446	0.200	15.0	7656.0	0.0
442	6.37	0.446	0.200	15.0	7535.0	0.0
443	6.47	0.446	0.200	15.0	7413.4	0.0
444	6.56	0.446	0.200	15.0	7291.2	0.0
445	6.66	0.446	0.200	15.0	7168.4	0.0
446	6.75	0.446	0.200	15.0	7044.9	0.0
447	6.85	0.446	0.200	15.0	6920.7	0.0
448	6.95	0.447	0.200	15.0	6831.2	0.0
449	7.05	0.447	0.200	15.0	6769.3	0.0
450	7.14	0.447	0.200	15.0	6706.7	0.0

451	7.24	0.447	0.200	15.0	6643.4	0.0
452	7.34	0.447	0.200	15.0	6557.2	0.0
453	7.43	0.447	0.200	15.0	6434.2	0.0
454	7.53	0.447	0.200	15.0	6310.5	0.0
455	7.63	0.447	0.200	15.0	6186.2	0.0
456	7.72	0.447	0.200	15.0	6061.2	0.0
457	7.82	0.447	0.200	15.0	5935.6	0.0
458	7.92	0.448	0.200	15.0	5809.4	0.0
459	8.01	0.448	0.200	15.0	5682.5	0.0
460	8.11	0.448	0.200	15.0	5555.0	0.0
461	8.21	0.448	0.200	15.0	5426.8	0.0
462	8.30	0.448	0.200	15.0	5298.0	0.0
463	8.40	0.448	0.200	15.0	5168.5	0.0
464	8.50	0.448	0.200	15.0	5038.4	0.0
465	8.59	0.448	0.200	15.0	4907.6	0.0
466	8.69	0.448	0.200	15.0	4776.2	0.0
467	8.79	0.449	0.200	15.0	4644.2	0.0
468	8.89	0.449	0.200	15.0	4511.5	0.0
469	8.98	0.449	0.200	15.0	4378.1	0.0
470	9.08	0.449	0.200	15.0	4244.1	0.0
471	9.18	0.449	0.200	15.0	4109.5	0.0
472	9.28	0.449	0.200	15.0	3974.2	0.0
473	9.37	0.449	0.200	15.0	3838.2	0.0
474	9.47	0.449	0.200	15.0	3701.6	0.0
475	9.57	0.449	0.200	15.0	3564.4	0.0
476	9.66	0.450	0.200	15.0	3426.5	0.0
477	9.76	0.450	0.200	15.0	3287.9	0.0
478	9.86	0.450	0.200	15.0	3148.7	0.0
479	9.96	0.450	0.200	15.0	3008.8	0.0
480	10.05	0.450	0.200	15.0	2868.3	0.0
481	10.15	0.450	0.200	15.0	2727.1	0.0
482	10.25	0.450	0.200	15.0	2585.3	0.0
483	10.35	0.451	0.200	15.0	2442.8	0.0
484	10.45	0.451	0.200	15.0	2299.7	0.0
485	10.54	0.451	0.200	15.0	2155.9	0.0
486	10.64	0.451	0.200	15.0	2011.4	0.0
487	10.74	0.451	0.200	15.0	1866.3	0.0
488	10.83	0.451	0.200	15.0	1730.4	0.0
489	10.93	0.451	0.200	15.0	1599.7	0.0
490	11.03	0.452	0.200	15.0	1468.4	0.0
491	11.13	0.452	0.200	15.0	1336.5	0.0
492	11.23	0.452	0.200	15.0	1203.9	0.0
493	11.32	0.452	0.200	15.0	1070.6	0.0
494	11.42	0.452	0.200	15.0	936.6	0.0
495	11.52	0.452	0.200	15.0	802.0	0.0
496	11.62	0.453	0.200	15.0	666.7	0.0
497	11.72	0.453	0.200	15.0	530.8	0.0
498	11.81	0.453	0.200	15.0	394.2	0.0
499	11.91	0.453	0.200	15.0	248.2	0.0
500	12.01	0.453	0.200	15.0	82.9	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	5.6	-712.9	1188.5	909.3	-185.9
2	-101.8	-804.9	1585.7	1148.7	-554.5
3	-545.1	-321.8	1079.4	585.1	-812.5
4	-744.9	260.9	1052.5	690.0	-971.1
5	-1091.4	941.7	1295.5	793.9	-1127.6
6	-1606.6	1719.0	1553.4	896.8	-1282.0
7	-2312.6	2591.4	1826.3	998.6	-1434.4
8	-3230.4	3557.4	2113.5	1099.5	-1584.8
9	-4380.8	4615.4	2414.9	1199.4	-1733.1
10	-5784.3	5764.1	2730.4	1298.3	-1879.4
11	-7460.9	7002.0	3059.3	1396.2	-2023.8
12	-9429.9	8327.8	3401.7	1493.2	-2166.2
13	-11710.6	9739.9	3757.2	1589.3	-2306.6
14	-14321.4	11237.1	4125.3	1684.4	-2445.2
15	-17280.5	12817.8	4506.0	1778.6	-2581.8

16	-20606.1	14480.8	4899.2	1871.9	-2716.6
17	-24315.0	16224.6	5304.0	1964.3	-2849.4
18	-28424.7	18048.1	5720.8	2056.0	-2980.7
19	-32951.4	19949.8	6148.9	2146.7	-3109.9
20	-37911.8	21928.4	6588.5	2236.5	-3237.4
21	-43321.0	23982.6	7038.6	2325.5	-3363.1
22	-49194.8	26111.2	7499.7	2413.7	-3487.1
23	-55548.5	28312.8	7971.4	2501.1	-3609.3
24	-62396.0	30586.2	8452.8	2587.6	-3729.8
25	-69752.0	32930.1	8944.4	2673.3	-3848.6
26	-77631.0	35343.4	9446.2	2758.4	-3965.8
27	-86045.7	37824.8	9956.7	2842.5	-4081.3
28	-95008.8	40372.8	10476.4	2925.9	-4194.9
29	-104534.3	42986.6	11005.8	3008.6	-4307.1
30	-114634.7	45664.9	11543.9	3090.5	-4417.7
31	-125321.5	48406.5	12090.1	3171.7	-4526.8
32	-136606.0	51210.1	12644.3	3252.0	-4634.0
33	-148501.7	54074.9	13208.0	3331.8	-4740.0
34	-161017.0	56999.3	13777.7	3410.8	-4844.1
35	-174164.3	59982.3	14356.1	3489.0	-4946.8
36	-187953.4	63022.9	14941.6	3566.6	-5048.0
37	-202396.0	66119.9	15535.2	3643.5	-5147.8
38	-217499.7	69272.3	16134.4	3719.7	-5246.0
39	-233274.6	72478.7	16740.7	3795.2	-5342.6
40	-249731.5	75738.4	17354.7	3870.1	-5437.9
41	-266875.8	79049.8	17972.7	3944.3	-5531.4
42	-284719.3	82412.4	18598.9	4017.9	-5624.0
43	-303270.3	85824.9	19231.3	4090.8	-5715.0
44	-322534.3	89286.2	19867.5	4163.1	-5804.5
45	-342521.1	92795.5	20510.7	4234.8	-5892.8
46	-363235.9	96351.4	21157.8	4305.8	-5979.3
47	-377460.5	99950.9	16680.0	4373.6	-6061.1
48	-385346.5	103555.7	12236.7	4396.2	-6079.2
49	-392917.7	107165.4	12066.8	4418.3	-6096.5
50	-400171.4	110779.2	11894.3	4440.1	-6112.9
51	-407102.7	114396.6	11717.5	4461.3	-6128.4
52	-413711.4	118017.3	11540.0	4482.3	-6143.4
53	-419994.9	121640.5	11359.7	4502.8	-6157.6
54	-425951.0	125265.8	11177.2	4523.0	-6171.0
55	-431578.5	128892.9	10993.2	4542.8	-6183.9
56	-436876.1	132521.3	10807.5	4562.4	-6196.3
57	-441840.8	136150.4	10618.9	4581.4	-6207.6
58	-448394.7	139779.5	11801.0	4600.0	-6218.2
59	-465263.1	143424.4	19242.7	4638.5	-6255.7
60	-482606.1	147094.2	19683.5	4688.8	-6308.8
61	-500298.3	150788.3	20034.4	4738.6	-6361.1
62	-518340.3	154505.4	20385.8	4787.8	-6411.9
63	-536734.2	158245.4	20738.2	4836.8	-6462.3
64	-555479.6	162007.2	21090.3	4885.1	-6511.3
65	-574574.2	165790.2	21440.5	4933.1	-6559.5
66	-594018.7	169593.5	21791.0	4980.6	-6606.6
67	-613812.6	173416.4	22141.0	5027.6	-6652.6
68	-633956.9	177258.4	22491.4	5074.2	-6698.0
69	-654448.7	181118.3	22839.9	5120.3	-6741.8
70	-675287.0	184995.5	23186.7	5165.7	-6784.7
71	-696464.2	188889.1	23527.1	5210.3	-6826.2
72	-717986.9	192798.4	23872.1	5254.5	-6866.7
73	-739851.6	196722.3	24214.5	5298.1	-6905.8
74	-762063.7	200660.6	24560.4	5341.5	-6944.7
75	-784614.3	204612.3	24899.7	5384.3	-6982.2
76	-807504.7	208576.6	25240.0	5426.7	-7018.7
77	-830737.4	212553.2	25581.7	5468.8	-7054.6
78	-854306.0	216541.2	25918.7	5510.5	-7089.5
79	-878211.1	220540.0	26255.8	5551.7	-7123.5
80	-902456.8	224549.5	26595.6	5592.8	-7157.3
81	-921094.4	228571.8	22651.8	5637.6	-7195.3
82	-932522.8	232590.5	17513.1	5660.3	-7204.5
83	-943770.7	236603.9	17441.8	5681.5	-7211.2
84	-954855.4	240612.3	17382.2	5702.6	-7218.1
85	-965768.6	244615.2	17316.1	5723.4	-7224.2
86	-976514.2	248612.0	17252.2	5743.9	-7229.7

87	-987089.7	252602.7	17186.0	5764.2	-7234.9
88	-997487.7	256586.2	17114.0	5784.0	-7239.0
89	-1007712.8	260562.6	17044.6	5803.6	-7242.8
90	-1017764.1	264530.9	16974.3	5822.7	-7245.6
91	-1027637.5	268491.4	16900.2	5841.8	-7248.5
92	-1037334.8	272443.7	16826.8	5860.6	-7250.8
93	-1028540.2	276379.6	3453.7	5868.4	-7238.9
94	-1017578.2	280289.5	1886.8	5861.5	-7209.0
95	-1005844.0	284173.1	1330.7	5854.4	-7178.7
96	-993347.8	288030.3	781.1	5847.2	-7148.2
97	-980102.6	291860.9	240.0	5839.7	-7117.5
98	-966101.3	295664.8	-307.2	5832.0	-7086.4
99	-951360.6	299441.9	-843.2	5824.2	-7055.1
100	-935881.3	303192.0	-1379.5	5816.1	-7023.6
101	-919679.4	306915.0	-1905.1	5807.9	-6991.9
102	-902748.4	310610.9	-2436.3	5799.4	-6960.0
103	-895883.1	314279.3	4893.9	5790.7	-6927.7
104	-913220.3	317940.8	22585.6	5813.9	-6933.8
105	-930784.7	321599.8	22827.6	5844.3	-6948.4
106	-948496.6	325255.5	23011.4	5874.3	-6962.0
107	-966361.6	328907.8	23198.8	5904.2	-6975.4
108	-984363.1	332556.0	23373.9	5933.6	-6987.8
109	-1002510.5	336199.7	23555.5	5962.8	-6999.8
110	-1020798.7	339838.3	23733.1	5991.7	-7011.0
111	-1039221.0	343471.4	23905.5	6020.2	-7021.5
112	-1057785.3	347098.8	24083.2	6048.6	-7031.8
113	-1076484.5	350719.8	24255.5	6076.6	-7041.1
114	-1125862.4	355778.5	27282.0	3550.5	-7057.1
115	-1149736.3	360853.6	16444.2	3577.8	-7088.8
116	-1173801.5	365940.8	16582.8	3602.5	-7114.9
117	-1198127.4	371039.5	16750.9	3627.0	-7140.2
118	-1222694.5	376149.1	16910.2	3651.1	-7164.5
119	-1247511.4	381268.7	17073.0	3675.1	-7188.1
120	-1245070.1	385140.9	9067.3	5931.8	-7210.8
121	-1266294.5	389018.0	22492.9	5961.6	-7232.6
122	-1287699.2	392899.7	22668.7	5991.0	-7253.6
123	-1309273.2	396784.8	22837.9	6020.1	-7273.5
124	-1331022.7	400673.2	23010.3	6049.0	-7293.0
125	-1352943.4	404563.9	23179.8	6077.4	-7311.3
126	-1375030.7	408456.5	23346.6	6105.8	-7329.2
127	-1397326.1	412352.2	23539.8	6135.8	-7349.1
128	-1419790.9	416250.0	23710.7	6165.4	-7367.9
129	-1442417.5	420149.4	23876.9	6194.7	-7386.0
130	-1465220.9	424049.9	24051.2	6223.7	-7403.5
131	-1488176.3	427950.4	24211.2	6252.4	-7419.5
132	-1511293.3	431850.8	24376.1	6280.9	-7435.5
133	-1534574.3	435750.2	24542.1	6309.0	-7450.3
134	-1558011.5	439647.9	24703.2	6336.8	-7464.3
135	-1581604.7	443543.7	24863.8	6364.5	-7478.0
136	-1605343.7	447436.4	25018.3	6391.7	-7490.2
137	-1624165.0	451325.9	22300.5	6418.7	-7502.2
138	-1632765.3	455209.5	16567.3	6442.9	-7509.9
139	-1641213.7	459084.8	16541.0	6465.0	-7514.1
140	-1649533.3	462951.4	16527.3	6486.8	-7517.5
141	-1657727.0	466808.8	16514.7	6508.3	-7520.5
142	-1665783.5	470656.2	16495.4	6529.5	-7522.5
143	-1673711.5	474493.6	16480.4	6550.6	-7524.3
144	-1681514.4	478320.1	16466.9	6571.3	-7525.1
145	-1689175.7	482135.4	16443.6	6591.8	-7525.4
146	-1696706.2	485938.9	16425.9	6612.1	-7525.0
147	-1704101.0	489730.0	16405.0	6632.0	-7523.9
148	-1711358.8	493508.6	16382.8	6651.8	-7522.4
149	-1676252.7	497268.2	-7691.1	6663.9	-7510.3
150	-1637392.5	500996.2	-9824.6	6659.6	-7476.2
151	-1597676.0	504692.5	-10309.2	6655.2	-7442.1
152	-1557129.7	508356.7	-10779.5	6650.5	-7407.3
153	-1515755.4	511988.8	-11249.5	6645.6	-7372.5
154	-1473532.9	515587.4	-11735.2	6638.8	-7335.2
155	-1430486.8	519151.6	-12208.9	6630.9	-7296.3
156	-1386639.5	522681.3	-12670.6	6623.0	-7257.4
157	-1342001.1	526176.4	-13127.3	6614.8	-7218.2

158	-1296581.4	529636.8	-13579.0	6606.5	-7178.7
159	-1250390.6	533062.4	-14025.6	6598.0	-7139.3
160	-1203439.1	536452.9	-14467.0	6589.3	-7099.2
161	-1155738.0	539808.7	-14902.7	6580.5	-7059.5
162	-1107298.0	543129.3	-15333.0	6571.5	-7019.3
163	-1058150.4	546415.8	-15743.4	6563.7	-6980.8
164	-1008289.0	549667.9	-16157.6	6556.0	-6942.1
165	-957721.3	552885.8	-16568.1	6548.2	-6903.4
166	-906454.5	556069.5	-16975.1	6540.2	-6864.8
167	-854504.1	559218.6	-17374.0	6532.0	-6825.6
168	-801876.2	562333.2	-17770.0	6523.6	-6786.4
169	-748582.9	565413.2	-18159.8	6515.1	-6747.0
170	-694628.3	568458.5	-18547.8	6506.4	-6707.3
171	-640042.7	571468.8	-18919.2	6497.5	-6667.4
172	-584813.7	574444.6	-19298.2	6488.5	-6627.8
173	-528963.0	577385.5	-19665.5	6479.3	-6587.7
174	-472499.3	580291.4	-20028.4	6470.0	-6547.4
175	-415433.3	583162.1	-20385.8	6460.4	-6506.9
176	-357774.3	585997.4	-20738.5	6450.7	-6466.1
177	-299533.7	588797.7	-21085.3	6440.9	-6425.4
178	-240724.0	591562.6	-21425.5	6430.9	-6384.5
179	-181353.6	594292.3	-21761.6	6420.7	-6343.4
180	-121427.0	596986.7	-22095.5	6410.4	-6302.4
181	-60975.1	599645.8	-22412.4	6399.9	-6261.2
182	-1932.4	602269.8	-21617.1	6389.7	-6220.4
183	56945.6	604859.1	-21534.8	6380.5	-6180.5
184	116317.9	607413.8	-21831.8	6371.3	-6140.7
185	176168.1	609934.1	-22120.0	6362.0	-6101.1
186	236482.4	612419.9	-22400.7	6352.4	-6061.2
187	297251.9	614871.1	-22676.9	6342.7	-6021.2
188	358459.8	617287.7	-22944.1	6332.9	-5980.9
189	420112.2	619669.7	-23215.2	6322.9	-5940.8
190	482186.7	622016.9	-23474.1	6312.7	-5900.2
191	544669.0	624329.2	-23725.3	6302.3	-5859.4
192	607572.1	626606.7	-23984.5	6291.8	-5818.8
193	670857.9	628849.7	-24222.3	6281.2	-5778.3
194	734525.1	631057.8	-24459.9	6270.4	-5737.3
195	798581.2	633231.0	-24702.3	6259.4	-5696.2
196	862989.3	635369.4	-24924.1	6248.3	-5655.2
197	927765.2	637473.1	-25155.3	6237.0	-5614.1
198	992871.2	639542.0	-25365.4	6225.6	-5572.9
199	1058317.5	641576.0	-25582.0	6214.0	-5531.5
200	1124090.1	643575.3	-25790.9	6202.3	-5490.2
201	1190165.6	645539.7	-25986.9	6190.4	-5448.6
202	1256554.8	647469.4	-26189.6	6178.3	-5407.1
203	1323234.3	649364.1	-26379.4	6166.1	-5365.2
204	1390194.2	651224.2	-26563.8	6153.8	-5323.8
205	1457345.9	653055.3	-26672.8	6153.8	-5294.7
206	1524729.4	654858.4	-26801.8	6155.4	-5267.6
207	1592465.5	656632.7	-27001.4	6156.9	-5239.6
208	1660421.2	658378.5	-27124.3	6158.2	-5211.8
209	1728651.1	660095.6	-27279.3	6159.3	-5183.8
210	1797121.1	661783.8	-27415.1	6160.2	-5155.4
211	1865826.1	663443.2	-27548.3	6161.0	-5127.1
212	1934768.5	665073.4	-27683.5	6161.6	-5098.2
213	2003930.3	666674.2	-27808.7	6162.0	-5069.0
214	2073313.5	668246.0	-27935.4	6162.4	-5040.2
215	2142884.8	669788.0	-28043.4	6162.4	-5010.5
216	2212644.3	671301.9	-28144.8	6165.9	-4984.3
217	2282589.9	672788.5	-28241.3	6171.3	-4960.0
218	2352710.8	674247.3	-28332.1	6176.5	-4935.1
219	2423022.6	675678.3	-28432.3	6181.5	-4910.2
220	2493505.1	677081.1	-28521.3	6186.3	-4884.7
221	2563905.4	678474.9	-28360.3	6242.5	-4907.3
222	2634935.7	679826.3	-28791.7	6209.8	-4846.6
223	2706058.8	681136.3	-28911.4	6177.0	-4786.7
224	2777243.7	682404.9	-29013.5	6144.1	-4726.6
225	2848478.1	683632.1	-29108.9	6111.1	-4666.8
226	2919783.4	684818.7	-29217.2	6077.9	-4607.5
227	2964205.6	685964.9	-13640.9	6044.7	-4548.4
228	2926930.7	687083.5	33927.0	6049.7	-4523.5

229	2889368.6	688178.0	34146.7	6067.4	-4509.5
230	2851582.2	689248.7	34329.3	6085.0	-4495.6
231	2813572.5	690295.2	34510.9	6102.5	-4481.3
232	2775340.3	691317.0	34692.0	6119.7	-4466.2
233	2736895.3	692313.8	34867.0	6136.7	-4450.7
234	2698229.8	693285.4	35046.2	6153.5	-4435.1
235	2659369.1	694231.5	35210.3	6170.2	-4419.0
236	2620294.0	695151.9	35385.3	6186.7	-4402.5
237	2581020.8	696046.6	35550.4	6203.1	-4386.0
238	2541543.6	696914.5	35718.8	6219.2	-4368.3
239	2501879.4	697756.0	35876.7	6235.2	-4351.0
240	2462028.2	698570.9	36034.4	6251.0	-4333.2
241	2421977.3	699358.4	36199.2	6266.7	-4314.7
242	2381756.6	700118.7	36346.3	6282.1	-4296.1
243	2341350.8	700851.0	36502.0	6297.4	-4276.8
244	2300781.9	701555.8	36644.4	6312.6	-4257.7
245	2260028.4	702232.4	36799.1	6327.5	-4238.0
246	2219124.7	702880.9	36933.2	6342.3	-4218.2
247	2178053.8	703500.6	37077.2	6356.9	-4197.7
248	2136824.7	704091.7	37215.3	6371.4	-4177.1
249	2095444.2	704653.5	37349.4	6385.6	-4155.9
250	2053920.7	705185.8	37478.1	6399.7	-4134.3
251	2037879.4	705688.4	22594.0	6411.0	-4111.0
252	2033220.6	706324.4	15226.3	6110.5	-4075.3
253	2031300.8	706927.6	13676.7	6106.4	-4040.1
254	2029274.7	707497.7	13737.1	6102.0	-4004.5
255	2027145.3	708034.6	13795.4	6097.5	-3968.8
256	2024921.2	708538.5	13848.6	6093.0	-3933.3
257	2022603.4	709009.6	13900.8	6088.2	-3897.7
258	2020164.0	709447.0	13968.5	6083.3	-3861.3
259	2017648.6	709851.7	14010.0	6078.3	-3825.8
260	2015022.9	710223.2	14070.5	6073.1	-3789.6
261	2012233.4	710561.9	14161.1	6067.8	-3753.9
262	1956678.1	710869.3	44122.6	6073.8	-3726.0
263	2549300.6	666058.0	183000.0	88280.0	-4876.1
264	1727946.1	666305.0	478974.2	6108.3	-3685.0
265	1675640.3	666522.2	42432.3	6125.3	-3664.7
266	1761526.8	666704.9	-36067.6	6113.8	-3623.8
267	1863600.6	666849.1	-45382.3	6059.1	-3554.4
268	1950463.8	666954.7	-36859.6	6004.1	-3485.0
269	1897814.1	667027.2	42411.0	5991.8	-3444.9
270	1845024.5	667069.4	42539.6	6008.1	-3423.8
271	2431235.0	622109.1	183000.0	87834.6	-4476.3
272	1621969.4	622089.9	472948.8	6040.3	-3380.5
273	1572558.2	622039.7	40762.2	6056.1	-3358.4
274	1523082.7	621958.2	40845.8	6071.8	-3335.9
275	1473559.7	621845.4	40919.6	6087.3	-3313.4
276	1423984.4	621700.8	40995.8	6102.7	-3290.2
277	1374368.7	621524.1	41064.9	6117.9	-3266.7
278	1324726.7	621315.4	41125.5	6133.0	-3243.2
279	1372191.2	621073.5	-14198.1	6131.2	-3209.0
280	1449387.0	620797.4	-31244.6	6083.1	-3147.7
281	1526404.6	620486.9	-31248.3	6034.9	-3086.2
282	1603245.5	620143.0	-31253.1	5986.6	-3025.5
283	1679889.7	619766.1	-31246.9	5938.1	-2965.3
284	1756328.9	619356.9	-31236.4	5889.5	-2905.7
285	1832553.2	618916.0	-31220.5	5840.9	-2846.5
286	1908556.3	618444.1	-31201.3	5792.1	-2788.2
287	1984320.1	617941.4	-31172.3	5743.1	-2729.7
288	2059848.5	617408.8	-31145.8	5694.1	-2672.3
289	2135117.3	616847.2	-31105.8	5645.0	-2615.5
290	2210125.3	616256.6	-31065.4	5595.7	-2558.9
291	2284868.7	615637.7	-31023.4	5546.3	-2502.8
292	2325649.3	614991.7	-11717.5	5496.8	-2447.8
293	2329294.2	614317.1	9484.4	5481.6	-2410.6
294	2332821.5	613614.1	9525.8	5467.1	-2374.1
295	2336224.7	612883.1	9570.5	5452.5	-2337.8
296	2339502.3	612124.0	9615.9	5437.7	-2301.5
297	2342649.2	611337.2	9663.7	5422.7	-2265.3
298	2345674.3	610522.8	9706.2	5407.7	-2229.2
299	2348577.3	609681.2	9748.4	5392.5	-2193.5

300	2351346.8	608812.0	9796.8	5377.2	-2157.3
301	2353995.2	607916.0	9837.8	5361.7	-2121.8
302	2356515.4	606993.1	9882.5	5346.1	-2086.1
303	2358912.5	606043.8	9924.0	5330.4	-2050.8
304	2361183.1	605067.9	9967.0	5314.5	-2015.3
305	2363327.8	604066.0	10009.3	5298.5	-1980.2
306	2365339.7	603037.9	10055.3	5282.3	-1945.0
307	2367230.1	601984.1	10094.5	5266.0	-1910.1
308	2315347.8	600903.0	40953.2	5263.3	-1881.2
309	2263555.3	599792.2	40936.0	5274.0	-1857.7
310	2705210.7	553703.0	183000.0	86175.0	-2413.4
311	1998975.2	552533.2	416871.1	5295.2	-1810.4
312	2254945.5	551340.9	-135854.4	5263.0	-1769.9
313	2659840.2	550161.9	-221976.3	5020.6	-1646.9
314	2846791.8	548858.5	-100564.0	5029.4	-1527.3
315	3154412.4	502422.1	183000.0	86020.3	-1979.1
316	2883927.8	455974.3	183000.0	85990.9	-1951.1
317	2620784.7	409514.7	183000.0	85962.2	-1923.2
318	1992370.1	408104.2	385184.8	5064.4	-1440.0
319	1953363.1	406666.5	34061.8	5074.1	-1418.2
320	1914466.1	405201.7	34025.6	5083.6	-1396.4
321	1875678.8	403709.4	33989.5	5093.0	-1374.3
322	1836999.5	402189.6	33953.8	5102.2	-1351.9
323	1798452.3	400642.7	33903.3	5111.3	-1329.9
324	1760028.1	399068.0	33857.8	5120.3	-1307.2
325	1721740.5	397465.5	33804.0	5129.0	-1284.4
326	1682278.3	395979.2	33175.9	4882.2	-1261.6
327	1644853.5	394465.4	32026.9	4890.4	-1238.7
328	1607560.5	392923.7	31976.0	4898.4	-1215.3
329	1570407.2	391354.4	31920.2	4906.3	-1192.1
330	1533393.4	389757.4	31864.1	4914.0	-1168.8
331	1496532.7	388132.3	31799.7	4921.6	-1145.0
332	1459831.6	386479.7	31731.1	4929.0	-1121.6
333	1423291.8	384799.1	31661.3	4936.3	-1097.8
334	1386919.4	383090.3	31587.5	4943.5	-1073.6
335	1350728.1	381353.8	31505.3	4950.5	-1049.8
336	1314714.5	379588.9	31424.7	4957.4	-1025.4
337	1278895.0	377796.2	31334.2	4964.1	-1001.3
338	1243269.7	375975.4	31243.2	4970.7	-976.9
339	1207841.3	374126.1	31150.4	4977.2	-952.1
340	1172628.1	372248.8	31046.5	4983.5	-927.7
341	1137627.1	370343.3	30943.9	4989.7	-902.9
342	1102853.8	368409.8	30831.9	4995.7	-878.2
343	1068302.7	366447.7	30722.7	5001.6	-853.0
344	1033988.3	364457.5	30604.7	5007.4	-828.2
345	1067991.7	362438.9	-8940.0	5013.0	-803.0
346	1258019.2	360450.0	-99637.1	4864.9	-749.3
347	1245442.8	358335.1	18296.8	5010.2	-705.0
348	1215255.1	356195.2	28874.0	5011.0	-680.5
349	1185263.6	354030.3	28763.7	5011.7	-655.8
350	1155472.0	351840.7	28650.6	5012.2	-631.4
351	1125885.3	349626.2	28534.2	5012.5	-606.8
352	1096511.7	347386.9	28412.5	5012.7	-582.1
353	1067352.7	345123.1	28289.3	5012.8	-557.6
354	1038417.2	342834.9	28160.4	5012.7	-533.1
355	1009704.1	340522.1	28031.7	5012.5	-508.4
356	981221.5	338184.7	27897.8	5012.1	-483.6
357	952977.4	335823.2	27758.4	5011.6	-459.1
358	924972.1	333437.5	27618.5	5010.9	-434.6
359	897211.3	331027.5	27474.7	5010.1	-409.9
360	869700.2	328593.3	27327.4	5009.1	-385.1
361	842445.7	326135.2	27175.4	5008.0	-360.6
362	815453.1	323653.3	27019.8	5006.7	-336.1
363	788722.6	321147.6	26863.6	5005.3	-311.4
364	762262.6	318618.2	26701.9	5003.8	-286.9
365	736078.7	316065.3	26536.3	5002.1	-262.5
366	710173.1	313488.9	26369.0	5000.2	-237.8
367	684550.8	310889.1	26198.2	4998.2	-213.4
368	659216.2	308266.0	26024.3	4996.1	-188.8
369	634177.8	305620.0	25844.6	4993.8	-164.7
370	609435.1	302950.9	25665.0	4991.3	-140.2

371	584996.6	300258.8	25479.8	4988.7	-115.7
372	560862.0	297543.9	25294.1	4986.0	-91.5
373	537041.5	294806.6	25101.9	4983.1	-67.3
374	513539.2	292046.8	24906.6	4980.0	-43.2
375	490355.8	289264.5	24710.6	4976.8	-18.8
376	467498.3	286460.0	24509.9	4973.5	5.2
377	453100.9	283633.5	19389.8	4970.0	29.2
378	467251.2	280802.3	2052.0	4936.2	52.9
379	480935.8	277974.0	2232.9	4890.4	75.8
380	494237.8	275149.0	2363.3	4844.5	98.3
381	507167.9	272328.5	2486.9	4798.4	119.8
382	519721.0	269512.6	2613.2	4752.1	141.2
383	531900.0	266702.0	2737.6	4705.7	162.0
384	543711.0	263897.6	2857.8	4659.1	182.0
385	555154.1	261100.2	2977.8	4612.3	201.5
386	566235.3	258310.4	3093.7	4565.3	220.3
387	576956.2	255528.6	3208.4	4518.1	238.8
388	587316.6	252755.8	3322.8	4470.7	256.5
389	597326.8	249992.5	3430.7	4423.2	273.8
390	588393.6	247232.3	14842.6	4386.7	291.2
391	578084.8	244465.9	15631.7	4365.2	309.5
392	567843.4	241693.5	15544.9	4343.5	327.8
393	557673.8	238915.6	15454.9	4321.6	345.5
394	547576.6	236132.4	15364.3	4299.6	363.2
395	537551.3	233344.6	15273.4	4277.4	380.3
396	527598.9	230552.3	15181.6	4255.1	397.4
397	517720.8	227756.2	15088.4	4232.5	413.9
398	507919.3	224956.4	14993.4	4209.9	430.3
399	498196.7	222153.5	14896.6	4187.0	446.3
400	488550.2	219347.8	14801.1	4163.9	462.1
401	478982.4	216539.9	14703.6	4140.7	477.4
402	469495.3	213730.0	14604.4	4117.3	492.5
403	460090.5	210918.5	14503.8	4093.8	507.3
404	450767.4	208106.1	14403.2	4070.0	521.7
405	441525.5	205293.0	14302.3	4046.1	535.8
406	432368.8	202479.6	14198.7	4022.0	549.7
407	421959.6	199666.5	14909.7	3997.8	563.0
408	409244.8	196850.1	16273.9	3978.6	577.1
409	396721.9	194029.9	16117.9	3960.3	591.2
410	384389.9	191206.3	15962.1	3941.8	605.0
411	372248.7	188380.0	15805.8	3923.0	618.3
412	360297.5	185551.0	15649.6	3904.2	631.5
413	348537.1	182719.8	15492.4	3885.1	644.5
414	336970.4	179886.8	15333.0	3865.9	657.2
415	327341.0	177052.3	14108.6	3846.5	669.5
416	321484.9	174223.6	11743.9	3818.6	679.5
417	315644.8	171402.3	11669.1	3788.7	688.9
418	309837.9	168589.1	11583.3	3758.5	697.7
419	304063.9	165784.6	11497.2	3728.2	706.1
420	298322.6	162989.2	11410.9	3697.7	714.1
421	292616.2	160203.6	11322.8	3667.0	721.7
422	286945.6	157428.1	11233.7	3636.1	729.0
423	281312.0	154663.4	11143.5	3605.0	735.7
424	275716.0	151910.0	11052.4	3573.7	741.9
425	270157.7	149168.6	10960.9	3542.3	747.7
426	264639.0	146439.4	10867.7	3510.6	753.2
427	259161.0	143723.3	10773.4	3478.7	758.1
428	253724.3	141020.8	10678.4	3446.7	762.6
429	245055.5	138332.3	12588.8	3414.4	766.7
430	229438.8	135640.3	16821.3	3402.6	777.0
431	214284.5	132940.8	16522.8	3395.5	788.4
432	199561.4	130234.0	16243.0	3388.2	799.8
433	185273.3	127520.3	15960.2	3380.7	810.9
434	171419.3	124799.8	15677.5	3373.1	822.0
435	160863.7	122072.7	13636.2	3365.3	832.9
436	156208.5	119357.7	9954.3	3337.6	836.5
437	151594.2	116658.6	9859.5	3305.7	838.5
438	147048.0	113976.3	9747.5	3273.5	839.9
439	142571.5	111311.2	9634.1	3241.1	840.9
440	138164.4	108663.9	9520.4	3208.6	841.4
441	133826.9	106035.0	9406.1	3175.8	841.4

442	129558.5	103425.0	9291.8	3142.8	841.1
443	125361.2	100834.6	9175.7	3109.6	840.2
444	121235.0	98264.6	9059.1	3076.2	838.6
445	117179.6	95715.4	8942.4	3042.5	836.8
446	113194.3	93187.6	8825.5	3008.7	834.4
447	109004.1	90681.7	8877.6	2974.6	831.6
448	100412.3	88188.5	11535.5	2950.6	832.5
449	92197.9	85700.1	11267.9	2934.6	836.6
450	84312.0	83217.2	11029.9	2918.4	840.3
451	76754.1	80740.0	10791.6	2902.1	843.8
452	72949.3	78275.5	8427.6	2879.0	844.1
453	69647.6	75834.9	8043.8	2845.1	839.3
454	66432.3	73418.8	7916.3	2811.0	834.0
455	63302.8	71027.8	7788.7	2776.7	828.2
456	60259.3	68662.4	7660.6	2742.2	822.0
457	57301.5	66323.3	7532.2	2707.4	815.2
458	54429.4	64011.4	7403.4	2672.4	807.8
459	51640.6	61727.1	7275.5	2637.2	800.0
460	48936.5	59471.1	7146.4	2601.8	791.6
461	46315.6	57244.0	7017.6	2566.1	782.8
462	43778.1	55046.7	6888.3	2530.2	773.2
463	41322.2	52879.6	6759.6	2494.1	763.3
464	38948.7	50743.4	6630.0	2457.7	752.9
465	36656.2	48639.0	6500.8	2421.1	741.8
466	34443.8	46566.8	6371.6	2384.3	730.2
467	32310.9	44527.5	6242.4	2347.3	718.1
468	30257.2	42522.0	6112.9	2310.0	705.4
469	28281.7	40550.8	5983.5	2272.4	692.2
470	26383.4	38614.7	5854.3	2234.6	678.4
471	24561.6	36714.4	5725.1	2196.6	663.9
472	22815.1	34850.5	5596.1	2158.4	649.1
473	21143.7	33023.9	5466.7	2119.8	633.5
474	19546.0	31235.1	5337.8	2081.1	617.4
475	18020.8	29484.9	5209.2	2042.1	600.8
476	16567.7	27774.2	5080.2	2002.8	583.5
477	15185.1	26103.5	4951.9	1963.3	565.7
478	13872.1	24473.6	4823.6	1923.6	547.2
479	12627.5	22885.2	4695.6	1883.6	528.2
480	11450.5	21339.2	4567.7	1843.3	508.6
481	10339.7	19836.2	4440.0	1802.8	488.3
482	9293.9	18377.0	4312.7	1762.0	467.4
483	8311.5	16962.4	4185.9	1721.0	446.0
484	7391.6	15593.1	4059.1	1679.7	423.9
485	6532.9	14269.9	3932.8	1638.1	401.2
486	5734.0	12993.6	3806.8	1596.3	377.9
487	4975.1	11764.9	3692.6	1554.2	353.9
488	4166.4	10581.2	3640.0	1514.8	331.2
489	3444.3	9440.9	3505.7	1476.9	309.0
490	2802.4	8344.9	3375.0	1438.7	286.3
491	2237.3	7293.8	3245.8	1400.3	262.9
492	1745.6	6288.5	3118.3	1361.7	238.9
493	1324.1	5329.6	2992.4	1322.7	214.4
494	969.0	4417.9	2868.2	1283.5	189.2
495	677.0	3554.2	2745.8	1244.1	163.5
496	444.1	2739.3	2625.3	1204.3	137.1
497	266.7	1974.0	2506.5	1164.3	110.1
498	141.0	1258.9	2389.7	1124.0	82.5
499	61.0	598.2	2270.7	1080.8	52.4
500	0.0	0.0	2156.2	1031.6	17.6

Σ				2877121.9	-1619740.7
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VERIFICA STABILITA' DEI PENDII

Sezione I-I - Condizione Statica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
Prodotto dei coefficienti sismici : 0.000
Coefficiente sismico verticale : 0.000
Coefficiente riduzione attrito : 1.000
Coefficiente riduzione coesione : 1.000
Coeff. amplific. carichi esercizio : 1.000
Coeff. carichi esercizio per sisma : 1.000
Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

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Profilo	Nodo	X	Y
-----		-----	
Falda	1	112.920	134.060
Falda	2	120.690	133.560
Falda	3	128.510	132.280
Falda	4	136.560	131.290
Falda	5	150.480	129.570
Falda	6	160.420	126.350
Falda	7	170.350	123.180
Falda	8	175.340	122.800
Falda	9	180.280	122.960
Falda	10	185.160	122.960
Falda	11	195.490	122.570
Falda	12	205.420	122.520
Falda	13	215.290	121.850
Falda	14	224.280	120.850
Falda	15	227.110	119.910
Falda	16	232.770	119.470
Falda	17	240.380	118.750
Falda	18	243.710	118.020
Falda	19	247.480	117.640
Falda	20	255.190	116.030
Falda	21	260.070	115.420
Falda	22	264.900	114.310
Falda	23	274.780	112.750
Falda	24	282.210	112.360
Falda	25	296.090	110.090
Falda	26	308.400	108.040
Falda	27	317.280	107.920
Falda	28	318.340	106.870
Falda	29	323.160	106.870
Falda	30	323.770	106.540
Falda	31	328.270	106.480
Falda	32	329.990	106.090
Falda	33	335.210	103.820
Falda	34	363.120	99.050
Falda	35	380.370	95.880
Falda	36	390.750	93.720
Falda	37	406.730	93.000
Falda	38	413.170	92.610
Falda	39	417.720	92.390
Falda	40	426.430	91.220
Falda	41	431.090	90.890
Falda	42	438.800	89.450
Falda	43	442.190	89.500
Falda	44	446.960	88.390
Falda	45	452.230	88.000
Falda	46	464.490	84.680
Falda	47	471.980	83.070

Falda	48	473.150	83.180
Falda	49	475.310	82.180
Falda	50	476.870	82.180
Falda	51	481.250	80.180
Falda	52	482.310	80.460
Falda	53	505.390	73.910
Pendio	1	113.050	142.750
Pendio	2	117.840	141.080
Pendio	3	131.200	145.550
Pendio	4	145.420	148.970
Pendio	5	150.370	152.340
Pendio	6	160.590	154.090
Pendio	7	165.480	156.180
Pendio	8	185.300	156.180
Pendio	9	190.350	154.260
Pendio	10	200.410	152.980
Pendio	11	205.520	151.470
Pendio	12	210.230	149.090
Pendio	13	225.290	146.470
Pendio	14	230.340	145.080
Pendio	15	245.050	137.050
Pendio	16	265.220	126.300
Pendio	17	275.680	125.720
Pendio	18	280.400	124.660
Pendio	19	282.220	124.660
Pendio	20	283.460	123.790
Pendio	21	288.040	123.790
Pendio	22	293.930	120.140
Pendio	23	300.790	118.280
Pendio	24	302.710	118.280
Pendio	25	303.680	115.850
Pendio	26	317.500	115.840
Pendio	27	318.110	114.680
Pendio	28	331.720	114.070
Pendio	29	337.170	111.650
Pendio	30	344.960	110.140
Pendio	31	348.520	109.660
Pendio	32	354.730	108.230
Pendio	33	357.380	108.250
Pendio	34	362.820	107.090
Pendio	35	364.670	107.010
Pendio	36	380.520	103.840
Pendio	37	385.530	103.050
Pendio	38	391.810	101.600
Pendio	39	413.320	100.670
Pendio	40	417.210	100.260
Pendio	41	424.530	99.220
Pendio	42	439.410	97.820
Pendio	43	442.840	97.470
Pendio	44	450.860	95.790
Pendio	45	454.760	95.260
Pendio	46	461.670	93.110
Pendio	47	466.960	92.530
Pendio	48	474.290	90.730
Pendio	49	479.050	89.860
Pendio	50	482.830	88.170
Pendio	51	495.850	84.450
Pendio	52	507.480	81.310
Pendio	53	510.440	81.260
2	1	120.350	141.920
2	2	120.350	140.600
2	3	135.440	145.280
2	4	140.710	146.390
2	5	145.490	147.880
2	6	150.490	150.960
2	7	160.590	153.200
2	8	165.530	155.000
2	9	185.300	155.000
2	10	190.300	153.250
2	11	195.350	152.510
2	12	200.190	151.870

2	13	205.500	150.220
2	14	210.230	147.930
2	15	215.230	146.820
2	16	225.220	145.600
2	17	230.170	144.000
2	18	245.050	136.080
2	19	262.910	126.410
2	20	262.910	127.531
3	1	121.270	140.885
3	2	121.270	140.110
3	3	128.720	137.000
3	4	135.570	133.750
3	5	140.500	132.760
3	6	145.530	132.270
3	7	150.410	131.280
3	8	160.520	127.980
3	9	165.510	126.640
3	10	170.540	124.770
3	11	175.470	124.430
3	12	200.470	124.280
3	13	205.600	123.830
3	14	215.270	123.880
3	15	220.300	123.590
3	16	232.430	123.540
3	17	236.370	123.240
3	18	254.970	122.700
3	19	259.950	124.620
3	20	262.120	125.810
3	21	262.120	126.838
4	1	115.780	141.798
4	2	115.780	140.620
4	3	120.700	139.340
4	4	125.570	137.030
4	5	131.180	134.670
4	6	135.210	132.850
4	7	140.530	131.670
4	8	145.390	131.330
4	9	150.360	130.290
4	10	155.180	128.620
4	11	160.540	126.700
4	12	165.460	125.330
4	13	170.530	123.610
4	14	175.400	123.210
4	15	180.120	123.560
4	16	187.740	123.510
4	17	190.150	123.210
4	18	200.240	123.310
4	19	205.250	122.670
4	20	215.390	122.670
4	21	222.270	122.670
4	22	230.240	122.420
4	23	236.490	122.380
4	24	239.930	122.030
4	25	246.230	122.030
4	26	250.310	121.690
4	27	255.330	121.830
4	28	260.290	123.610
4	29	264.180	125.770
4	30	264.180	126.854
5	1	256.390	122.210
5	2	256.390	121.250
5	3	264.390	118.300
5	4	280.885	118.286
5	5	280.885	124.660
6	1	116.500	140.433
6	2	116.500	123.870
6	3	135.600	121.340
6	4	140.340	120.970
6	5	155.680	118.820
6	6	160.470	118.600
6	7	170.470	116.720

6	8	177.040	116.770
6	9	180.160	115.960
6	10	185.110	116.180
6	11	187.960	115.260
6	12	192.320	115.210
6	13	205.510	113.430
6	14	210.130	112.410
6	15	222.080	111.070
6	16	224.990	110.100
6	17	232.410	109.130
6	18	238.220	108.860
6	19	240.380	108.270
6	20	245.380	107.840
6	21	255.120	105.950
6	22	264.810	104.290
6	23	266.370	104.180
6	24	274.810	102.940
6	25	280.885	102.360
6	26	280.885	118.286
7	1	280.885	102.360
7	2	280.885	98.160
7	3	281.355	98.160
7	4	281.355	124.660
8	1	281.355	124.660
8	2	281.355	118.285
8	3	284.290	118.283
8	4	284.290	123.790
9	1	281.355	124.660
9	2	281.355	102.300
9	3	282.110	102.260
9	4	284.290	101.790
9	5	284.290	118.283
10	1	284.290	101.790
10	2	284.290	93.790
10	3	285.020	93.790
10	4	285.020	101.637
11	1	285.000	123.790
11	2	285.000	118.270
11	3	299.300	118.270
11	4	299.300	118.684
12	1	285.000	123.790
12	2	285.000	101.640
12	3	285.310	101.600
12	4	300.790	99.050
12	5	301.605	98.878
12	6	301.605	118.280
13	1	301.605	98.878
13	2	301.605	96.280
13	3	302.225	96.280
13	4	302.225	118.280
14	1	302.225	118.280
14	2	302.225	98.705
14	3	303.140	98.510
14	4	303.855	98.416
14	5	303.855	115.850
15	1	303.855	98.416
15	2	303.855	85.850
15	3	305.155	85.850
15	4	305.155	115.849
16	1	305.155	115.849
16	2	305.155	98.169
16	3	306.400	97.990
16	4	317.380	97.880
16	5	319.160	96.540
16	6	326.580	96.540
16	7	334.650	93.790
16	8	352.950	90.670
16	9	359.780	89.490
16	10	369.950	87.660
16	11	371.460	86.910
16	12	375.440	86.690

16	13	389.590	83.840
16	14	400.300	83.410
16	15	404.450	82.920
16	16	411.280	82.870
16	17	416.230	82.390
16	18	425.060	81.040
16	19	429.630	81.150
16	20	445.400	78.560
16	21	448.360	78.350
16	22	454.540	76.840
16	23	458.100	75.600
16	24	459.930	75.440
16	25	459.930	93.651

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
6	Fila 1	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.40
8	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
9	Fila 2	2500.0	18.30	0.00	1.00
10	ARGINE	1900.0	0.40	25.00	0.40
11	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
12	Fila 3	2500.0	18.30	0.00	1.00
13	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
14	Fila 4	2500.0	18.30	0.00	1.00
15	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
16	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	361.90	372.73	277.74
2	354.78	388.91	293.68
3	322.29	290.27	192.51
4	341.04	346.02	249.86
5	329.52	299.05	202.17
6	331.94	331.73	234.88
7	313.63	320.37	220.19
8	297.14	273.49	171.93
9	309.93	283.48	182.45
10	323.37	299.61	201.87
11	319.68	312.09	213.60

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu

RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	361.90	372.73	277.74	1.931	1
2	354.78	388.91	293.68	1.794	1
3	322.29	290.27	192.51	1.740	1
4	341.04	346.02	249.86	1.756	1
5	329.52	299.05	202.17	1.724	1
6	331.94	331.73	234.88	1.656	1
7	313.63	320.37	220.19	1.747	1
8	297.14	273.49	171.93	1.685	1
9	309.93	283.48	182.45	1.744	1
10	323.37	299.61	201.87	1.638	1
11	319.68	312.09	213.60	1.630	1

CERCHIO CRITICO N° 11

Larghezza del concio.....=0.399

Situazione di carico numero 1

Coefficiente di sicurezza F =1.630

Coefficiente di forma =0.12844

Coefficiente F/Fo =1.05410

Numero iterazioni = 1

Precisione =0.00870

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-43.05	0.546	0.120	19.6	141.4	0.0
2	-42.90	0.545	0.120	19.6	423.2	0.0
3	-42.75	0.543	0.120	19.6	703.6	0.0
4	-42.61	0.542	0.008	19.6	954.8	0.0
5	-42.46	0.541	0.008	19.6	1144.6	0.0
6	-42.32	0.540	0.008	19.6	1333.5	0.0
7	-42.17	0.538	0.008	19.6	1521.5	0.0
8	-42.03	0.537	0.008	19.6	1708.5	0.0
9	-41.89	0.536	0.008	19.6	1894.6	0.0
10	-41.74	0.535	0.008	19.6	2079.7	0.0
11	-41.60	0.534	0.008	19.6	2263.9	0.0
12	-41.46	0.532	0.008	19.6	2447.2	0.0
13	-41.31	0.531	0.008	19.6	2629.5	0.0
14	-41.17	0.530	0.008	19.6	2811.0	0.0
15	-41.03	0.529	0.008	19.6	2991.5	0.0
16	-40.89	0.528	0.008	19.6	3171.2	0.0
17	-40.74	0.527	0.008	19.6	3349.9	0.0
18	-40.60	0.526	0.008	19.6	3527.8	0.0
19	-40.46	0.524	0.008	19.6	3704.7	0.0
20	-40.32	0.523	0.008	19.6	3880.8	0.0
21	-40.18	0.522	0.008	19.6	4056.0	0.0
22	-40.04	0.521	0.008	19.6	4230.4	0.0
23	-39.90	0.520	0.008	19.6	4403.9	0.0
24	-39.76	0.519	0.008	19.6	4576.5	0.0
25	-39.62	0.518	0.008	19.6	4748.3	0.0
26	-39.49	0.517	0.008	19.6	4919.3	0.0
27	-39.35	0.516	0.008	19.6	5089.3	0.0
28	-39.21	0.515	0.008	19.6	5258.6	0.0
29	-39.07	0.514	0.008	19.6	5427.0	0.0
30	-38.93	0.513	0.008	19.6	5562.4	0.0
31	-38.80	0.512	0.008	19.6	5647.6	0.0
32	-38.66	0.511	0.008	19.6	5731.9	0.0
33	-38.52	0.510	0.008	19.6	5815.5	0.0
34	-38.38	0.509	0.008	19.6	5898.3	0.0
35	-38.25	0.508	0.008	19.6	5980.3	0.0
36	-38.11	0.507	0.008	19.6	6061.4	0.0
37	-37.98	0.506	0.008	19.6	6141.8	0.0
38	-37.84	0.505	0.008	19.6	6221.4	0.0

39	-37.71	0.504	0.008	19.6	6300.2	0.0
40	-37.57	0.503	0.008	19.6	6378.3	0.0
41	-37.43	0.503	0.008	19.6	6455.5	0.0
42	-37.30	0.502	0.008	19.6	6532.0	0.0
43	-37.17	0.501	0.008	19.6	6647.5	0.0
44	-37.03	0.500	0.008	19.6	6779.5	0.0
45	-36.90	0.499	0.008	19.6	6910.8	0.0
46	-36.76	0.498	0.008	19.6	7041.3	0.0
47	-36.63	0.497	0.008	19.6	7171.0	0.0
48	-36.50	0.496	0.008	19.6	7300.0	0.0
49	-36.36	0.496	0.008	19.6	7428.3	0.0
50	-36.23	0.495	0.008	19.6	7555.8	0.0
51	-36.10	0.494	0.008	19.6	7682.6	0.0
52	-35.97	0.493	0.008	19.6	7808.7	0.0
53	-35.83	0.492	0.008	19.6	7934.0	0.0
54	-35.70	0.491	0.008	19.6	8058.6	0.0
55	-35.57	0.491	0.008	19.6	8182.2	0.0
56	-35.44	0.490	0.008	19.6	8304.0	0.0
57	-35.31	0.489	0.008	19.6	8425.1	0.0
58	-35.18	0.488	0.008	19.6	8545.4	0.0
59	-35.05	0.487	0.008	19.6	8665.1	0.0
60	-34.92	0.487	0.008	19.6	8784.1	0.0
61	-34.79	0.486	0.008	19.6	8902.3	0.0
62	-34.65	0.485	0.008	19.6	9019.9	0.0
63	-34.52	0.484	0.008	19.6	9136.7	0.0
64	-34.39	0.484	0.008	19.6	9252.9	0.0
65	-34.27	0.483	0.008	19.6	9368.4	0.0
66	-34.13	0.482	0.008	19.6	9483.2	0.0
67	-34.01	0.481	0.008	19.6	9598.6	0.0
68	-33.88	0.481	0.008	19.6	9702.3	0.0
69	-33.75	0.480	0.008	19.6	9781.2	0.0
70	-33.62	0.479	0.008	19.6	9859.5	0.0
71	-33.49	0.478	0.008	19.6	9937.1	0.0
72	-33.36	0.478	0.008	19.6	10014.0	0.0
73	-33.24	0.477	0.008	19.6	10090.2	0.0
74	-33.11	0.476	0.008	19.6	10165.8	0.0
75	-32.98	0.476	0.008	19.6	10240.7	0.0
76	-32.85	0.475	0.008	19.6	10315.0	0.0
77	-32.72	0.474	0.008	19.6	10388.6	0.0
78	-32.60	0.474	0.008	19.6	10461.6	0.0
79	-32.47	0.473	0.008	19.6	10533.9	0.0
80	-32.34	0.472	0.008	19.6	10605.6	0.0
81	-32.22	0.472	0.008	19.6	10643.7	0.0
82	-32.09	0.471	0.008	19.6	10667.2	0.0
83	-31.96	0.470	0.008	19.6	10690.1	0.0
84	-31.84	0.470	0.008	19.6	10712.3	0.0
85	-31.71	0.469	0.008	19.6	10733.9	0.0
86	-31.59	0.468	0.008	19.6	10754.9	0.0
87	-31.46	0.468	0.008	19.6	10775.2	0.0
88	-31.34	0.467	0.008	19.6	10794.9	0.0
89	-31.21	0.467	0.008	19.6	10814.0	0.0
90	-31.09	0.466	0.008	19.6	10832.5	0.0
91	-30.96	0.465	0.008	19.6	10850.4	0.0
92	-30.84	0.465	0.008	19.6	10867.7	0.0
93	-30.71	0.464	0.008	19.6	10953.1	0.0
94	-30.59	0.464	0.008	19.6	11044.3	0.0
95	-30.46	0.463	0.008	19.6	11134.9	0.0
96	-30.34	0.462	0.008	19.6	11225.0	0.0
97	-30.21	0.462	0.008	19.6	11314.4	0.0
98	-30.09	0.461	0.008	19.6	11403.2	0.0
99	-29.97	0.461	0.008	19.6	11491.4	0.0
100	-29.84	0.460	0.008	19.6	11579.0	0.0
101	-29.72	0.459	0.008	19.6	11666.0	0.0
102	-29.60	0.459	0.008	19.6	11752.5	0.0
103	-29.47	0.458	0.008	19.6	11838.3	0.0
104	-29.35	0.458	0.008	19.6	11923.6	0.0
105	-29.23	0.457	0.008	19.6	12004.6	0.0
106	-29.11	0.457	0.008	19.6	12079.2	0.0
107	-28.98	0.456	0.008	19.6	12153.1	0.0
108	-28.86	0.456	0.008	19.6	12226.5	0.0
109	-28.74	0.455	0.008	19.6	12299.4	0.0

110	-28.62	0.455	0.008	19.6	12371.6	0.0
111	-28.50	0.454	0.008	19.6	12443.3	0.0
112	-28.37	0.453	0.008	19.6	12514.4	0.0
113	-28.25	0.453	0.008	19.6	12584.9	0.0
114	-28.13	0.452	0.008	19.6	12654.9	0.0
115	-28.01	0.452	0.000	11.3	12755.0	0.0
116	-27.89	0.451	0.000	11.3	12869.0	0.0
117	-27.77	0.451	0.000	11.3	12982.2	0.0
118	-27.65	0.450	0.000	11.3	13098.1	0.0
119	-27.53	0.450	0.000	11.3	13214.8	0.0
120	-27.41	0.449	0.200	15.0	13330.7	0.0
121	-27.28	0.449	0.200	15.0	13445.7	0.0
122	-27.16	0.448	0.200	15.0	13560.0	0.0
123	-27.04	0.448	0.200	15.0	13673.5	0.0
124	-26.92	0.448	0.200	15.0	13786.1	0.0
125	-26.80	0.447	0.200	15.0	13898.0	0.0
126	-26.68	0.447	0.200	15.0	14009.1	0.0
127	-26.56	0.446	0.200	15.0	14119.4	0.0
128	-26.44	0.446	0.200	15.0	14228.9	0.0
129	-26.33	0.445	0.200	15.0	14337.6	0.0
130	-26.21	0.445	0.200	15.0	14453.3	0.0
131	-26.09	0.444	0.200	15.0	14559.1	0.0
132	-25.97	0.444	0.200	15.0	14664.0	0.0
133	-25.85	0.443	0.200	15.0	14767.9	0.0
134	-25.73	0.443	0.200	15.0	14871.0	0.0
135	-25.61	0.442	0.200	15.0	14982.9	0.0
136	-25.49	0.442	0.200	15.0	15100.2	0.0
137	-25.37	0.442	0.200	15.0	15216.6	0.0
138	-25.26	0.441	0.200	15.0	15332.1	0.0
139	-25.14	0.441	0.200	15.0	15446.7	0.0
140	-25.02	0.440	0.200	15.0	15560.3	0.0
141	-24.90	0.440	0.200	15.0	15673.0	0.0
142	-24.78	0.439	0.200	15.0	15784.8	0.0
143	-24.67	0.439	0.200	15.0	15872.3	0.0
144	-24.55	0.439	0.200	15.0	15920.4	0.0
145	-24.43	0.438	0.200	15.0	15967.6	0.0
146	-24.31	0.438	0.200	15.0	16013.8	0.0
147	-24.19	0.437	0.200	15.0	16059.2	0.0
148	-24.08	0.437	0.200	15.0	16101.7	0.0
149	-23.96	0.437	0.200	15.0	16137.9	0.0
150	-23.84	0.436	0.200	15.0	16172.6	0.0
151	-23.73	0.436	0.200	15.0	16206.4	0.0
152	-23.61	0.435	0.200	15.0	16239.3	0.0
153	-23.49	0.435	0.200	15.0	16271.4	0.0
154	-23.38	0.435	0.200	15.0	16302.5	0.0
155	-23.26	0.434	0.200	15.0	16332.8	0.0
156	-23.14	0.434	0.200	15.0	16362.1	0.0
157	-23.03	0.434	0.200	15.0	16390.6	0.0
158	-22.91	0.433	0.200	15.0	16420.1	0.0
159	-22.80	0.433	0.200	15.0	16451.3	0.0
160	-22.68	0.432	0.200	15.0	16481.7	0.0
161	-22.56	0.432	0.200	15.0	16511.2	0.0
162	-22.45	0.432	0.200	15.0	16539.8	0.0
163	-22.33	0.431	0.200	15.0	16567.5	0.0
164	-22.21	0.431	0.200	15.0	16594.4	0.0
165	-22.10	0.431	0.200	15.0	16620.5	0.0
166	-21.98	0.430	0.200	15.0	16645.7	0.0
167	-21.87	0.430	0.200	15.0	16670.0	0.0
168	-21.75	0.430	0.200	15.0	16690.6	0.0
169	-21.64	0.429	0.200	15.0	16705.3	0.0
170	-21.52	0.429	0.200	15.0	16719.1	0.0
171	-21.41	0.429	0.200	15.0	16732.1	0.0
172	-21.29	0.428	0.200	15.0	16744.2	0.0
173	-21.18	0.428	0.200	15.0	16755.5	0.0
174	-21.06	0.428	0.200	15.0	16765.9	0.0
175	-20.95	0.427	0.200	15.0	16775.5	0.0
176	-20.83	0.427	0.200	15.0	16784.3	0.0
177	-20.72	0.427	0.200	15.0	16799.8	0.0
178	-20.61	0.426	0.200	15.0	16814.4	0.0
179	-20.49	0.426	0.200	15.0	16828.2	0.0
180	-20.38	0.426	0.200	15.0	16844.2	0.0

181	-20.26	0.425	0.200	15.0	16861.1	0.0
182	-20.15	0.425	0.200	15.0	16877.2	0.0
183	-20.04	0.425	0.200	15.0	16892.5	0.0
184	-19.92	0.424	0.200	15.0	16906.9	0.0
185	-19.81	0.424	0.200	15.0	16920.5	0.0
186	-19.69	0.424	0.200	15.0	16929.5	0.0
187	-19.58	0.424	0.200	15.0	16934.6	0.0
188	-19.47	0.423	0.200	15.0	16938.8	0.0
189	-19.35	0.423	0.200	15.0	16942.3	0.0
190	-19.24	0.423	0.200	15.0	16944.9	0.0
191	-19.13	0.422	0.200	15.0	16946.7	0.0
192	-19.01	0.422	0.200	15.0	16947.7	0.0
193	-18.90	0.422	0.200	15.0	16947.9	0.0
194	-18.79	0.421	0.200	15.0	16947.3	0.0
195	-18.67	0.421	0.200	15.0	16945.9	0.0
196	-18.56	0.421	0.200	15.0	16943.7	0.0
197	-18.45	0.421	0.200	15.0	16940.7	0.0
198	-18.33	0.420	0.200	15.0	16936.9	0.0
199	-18.22	0.420	0.200	15.0	16932.3	0.0
200	-18.11	0.420	0.200	15.0	16926.8	0.0
201	-18.00	0.420	0.200	15.0	16920.6	0.0
202	-17.88	0.419	0.200	15.0	16913.6	0.0
203	-17.77	0.419	0.200	15.0	16905.8	0.0
204	-17.66	0.419	0.200	15.0	16897.2	0.0
205	-17.55	0.418	0.200	15.0	16920.2	0.0
206	-17.44	0.418	0.200	15.0	16955.0	0.0
207	-17.32	0.418	0.200	15.0	16988.9	0.0
208	-17.21	0.418	0.200	15.0	17022.1	0.0
209	-17.10	0.417	0.200	15.0	17054.5	0.0
210	-16.99	0.417	0.200	15.0	17086.2	0.0
211	-16.88	0.417	0.200	15.0	17117.0	0.0
212	-16.76	0.417	0.200	15.0	17147.1	0.0
213	-16.65	0.416	0.200	15.0	17176.3	0.0
214	-16.54	0.416	0.200	15.0	17204.8	0.0
215	-16.43	0.416	0.200	15.0	17232.6	0.0
216	-16.32	0.416	0.200	15.0	17259.5	0.0
217	-16.21	0.415	0.200	15.0	17290.4	0.0
218	-16.09	0.415	0.200	15.0	17324.7	0.0
219	-15.98	0.415	0.200	15.0	17358.2	0.0
220	-15.87	0.415	0.200	15.0	17390.9	0.0
221	-15.76	0.415	0.200	15.0	17422.9	0.0
222	-15.65	0.414	0.200	15.0	17454.1	0.0
223	-15.54	0.414	0.200	15.0	17640.4	0.0
224	-15.43	0.414	0.200	15.0	17566.0	0.0
225	-15.32	0.414	0.200	15.0	17490.8	0.0
226	-15.20	0.413	0.200	15.0	17414.9	0.0
227	-15.09	0.413	0.200	15.0	17338.2	0.0
228	-14.98	0.413	0.200	15.0	17260.7	0.0
229	-14.87	0.413	0.200	15.0	17182.5	0.0
230	-14.76	0.413	0.200	15.0	17121.6	0.0
231	-14.65	0.412	0.200	15.0	17190.9	0.0
232	-14.54	0.412	0.200	15.0	17259.4	0.0
233	-14.43	0.412	0.200	15.0	17327.2	0.0
234	-14.32	0.412	0.200	15.0	17394.2	0.0
235	-14.21	0.412	0.200	15.0	17460.4	0.0
236	-14.10	0.411	0.200	15.0	17525.9	0.0
237	-13.99	0.411	0.200	15.0	17590.7	0.0
238	-13.88	0.411	0.200	15.0	17654.7	0.0
239	-13.77	0.411	0.200	15.0	17718.0	0.0
240	-13.66	0.411	0.200	15.0	17780.5	0.0
241	-13.55	0.410	0.200	15.0	17842.3	0.0
242	-13.44	0.410	0.200	15.0	17903.3	0.0
243	-13.33	0.410	0.200	15.0	17963.6	0.0
244	-13.22	0.410	0.200	15.0	18023.2	0.0
245	-13.11	0.410	0.200	15.0	18082.0	0.0
246	-13.00	0.409	0.200	15.0	18140.0	0.0
247	-12.89	0.409	0.200	15.0	18197.3	0.0
248	-12.78	0.409	0.200	15.0	18253.9	0.0
249	-12.67	0.409	0.200	15.0	18309.8	0.0
250	-12.56	0.409	0.200	15.0	18364.9	0.0
251	-12.45	0.409	0.200	15.0	18419.3	0.0

252	-12.34	0.408	0.200	15.0	18472.9	0.0
253	-12.23	0.408	0.200	15.0	18525.8	0.0
254	-12.12	0.408	0.200	15.0	18578.9	0.0
255	-12.01	0.408	0.200	15.0	18637.1	0.0
256	-11.90	0.408	0.200	15.0	18694.5	0.0
257	-11.79	0.408	0.200	15.0	18706.1	0.0
258	-11.68	0.407	0.200	15.0	18710.9	0.0
259	-11.57	0.407	0.200	15.0	18715.0	0.0
260	-11.46	0.407	0.200	15.0	18718.3	0.0
261	-11.36	0.407	0.200	15.0	18720.9	0.0
262	-11.25	0.407	0.176	14.5	18722.8	0.0
263	-11.14	0.407	0.176	14.5	18724.0	0.0
264	-11.03	0.406	0.176	14.5	18724.5	0.0
265	-10.92	0.406	0.176	14.5	18724.2	0.0
266	-10.81	0.406	0.176	14.5	18723.2	0.0
267	-10.70	0.406	0.176	14.5	18721.5	0.0
268	-10.59	0.406	0.176	14.5	18722.6	0.0
269	-10.48	0.406	0.176	14.5	18787.3	0.0
270	-10.37	0.406	18.300	0.0	26774.6	0.0
271	-10.27	0.405	0.176	14.5	18914.7	0.0
272	-10.16	0.405	0.176	14.5	18977.4	0.0
273	-10.05	0.405	0.176	14.5	18931.5	0.0
274	-9.94	0.405	0.176	14.5	18773.3	0.0
275	-9.83	0.405	0.176	14.5	18614.5	0.0
276	-9.72	0.405	0.176	14.5	18536.2	0.0
277	-9.61	0.405	0.176	14.5	18588.2	0.0
278	-9.51	0.405	18.300	0.0	26523.6	0.0
279	-9.40	0.404	18.300	0.0	26590.3	0.0
280	-9.29	0.404	0.176	14.5	18739.8	0.0
281	-9.18	0.404	0.176	14.5	18788.9	0.0
282	-9.07	0.404	0.176	14.5	18837.3	0.0
283	-8.96	0.404	0.176	14.5	18885.0	0.0
284	-8.85	0.404	0.176	14.5	18932.0	0.0
285	-8.75	0.404	0.176	14.5	18978.3	0.0
286	-8.64	0.404	0.176	14.5	19023.8	0.0
287	-8.53	0.403	0.176	14.5	19068.7	0.0
288	-8.42	0.403	0.176	14.5	18943.3	0.0
289	-8.31	0.403	0.176	14.5	18799.3	0.0
290	-8.21	0.403	0.176	14.5	18654.6	0.0
291	-8.10	0.403	0.176	14.5	18509.2	0.0
292	-7.99	0.403	0.176	14.5	18363.1	0.0
293	-7.88	0.403	0.176	14.5	18216.3	0.0
294	-7.77	0.403	0.176	14.5	18068.7	0.0
295	-7.66	0.403	0.176	14.5	17920.5	0.0
296	-7.56	0.402	0.176	14.5	17771.6	0.0
297	-7.45	0.402	0.176	14.5	17621.9	0.0
298	-7.34	0.402	0.176	14.5	17471.6	0.0
299	-7.23	0.402	0.176	14.5	17320.5	0.0
300	-7.13	0.402	0.176	14.5	17168.8	0.0
301	-7.02	0.402	0.176	14.5	17016.4	0.0
302	-6.91	0.402	0.176	14.5	16878.2	0.0
303	-6.80	0.402	0.176	14.5	16829.8	0.0
304	-6.69	0.402	0.176	14.5	16780.7	0.0
305	-6.59	0.402	0.176	14.5	16730.9	0.0
306	-6.48	0.402	0.176	14.5	16680.4	0.0
307	-6.37	0.401	0.176	14.5	16629.2	0.0
308	-6.26	0.401	0.176	14.5	16577.2	0.0
309	-6.16	0.401	0.200	15.0	16524.4	0.0
310	-6.05	0.401	0.200	15.0	16470.9	0.0
311	-5.94	0.401	0.200	15.0	16416.8	0.0
312	-5.83	0.401	0.200	15.0	16361.9	0.0
313	-5.73	0.401	0.200	15.0	16306.3	0.0
314	-5.62	0.401	0.200	15.0	16250.1	0.0
315	-5.51	0.401	0.200	15.0	16193.1	0.0
316	-5.40	0.401	0.200	15.0	16135.5	0.0
317	-5.30	0.401	0.200	15.0	16077.1	0.0
318	-5.19	0.401	0.200	15.0	16018.1	0.0
319	-5.08	0.401	0.200	15.0	15958.4	0.0
320	-4.97	0.400	0.200	15.0	15975.9	0.0
321	-4.86	0.400	0.200	15.0	15996.8	0.0
322	-4.76	0.400	18.300	0.0	22942.2	0.0

323	-4.65	0.400	0.200	15.0	16036.5	0.0
324	-4.54	0.400	0.200	15.0	15951.0	0.0
325	-4.43	0.400	0.200	15.0	15211.4	0.0
326	-4.33	0.400	0.200	15.0	14471.0	0.0
327	-4.22	0.400	18.300	0.0	20604.2	0.0
328	-4.11	0.400	18.300	0.0	20618.0	0.0
329	-4.01	0.400	18.300	0.0	20630.8	0.0
330	-3.90	0.400	0.200	15.0	14310.9	0.0
331	-3.79	0.400	0.200	15.0	14324.7	0.0
332	-3.68	0.400	0.200	15.0	14337.8	0.0
333	-3.58	0.400	0.200	15.0	14350.2	0.0
334	-3.47	0.400	0.200	15.0	14361.9	0.0
335	-3.36	0.400	0.200	15.0	14372.9	0.0
336	-3.26	0.400	0.200	15.0	14383.3	0.0
337	-3.15	0.400	0.200	15.0	14392.9	0.0
338	-3.04	0.400	0.200	15.0	14401.9	0.0
339	-2.93	0.400	0.200	15.0	14418.7	0.0
340	-2.83	0.399	0.200	15.0	14436.1	0.0
341	-2.72	0.399	0.200	15.0	14452.7	0.0
342	-2.61	0.399	0.200	15.0	14468.7	0.0
343	-2.51	0.399	0.200	15.0	14484.0	0.0
344	-2.40	0.399	0.200	15.0	14498.6	0.0
345	-2.29	0.399	0.200	15.0	14512.5	0.0
346	-2.18	0.399	0.200	15.0	14525.7	0.0
347	-2.08	0.399	0.200	15.0	14538.3	0.0
348	-1.97	0.399	0.200	15.0	14550.2	0.0
349	-1.86	0.399	0.200	15.0	14561.3	0.0
350	-1.76	0.399	0.200	15.0	14571.8	0.0
351	-1.65	0.399	0.200	15.0	14581.6	0.0
352	-1.54	0.399	0.200	15.0	14590.7	0.0
353	-1.43	0.399	0.200	15.0	14599.2	0.0
354	-1.33	0.399	0.200	15.0	14606.9	0.0
355	-1.22	0.399	0.200	15.0	14614.0	0.0
356	-1.11	0.399	0.200	15.0	14620.4	0.0
357	-1.01	0.399	0.200	15.0	14626.1	0.0
358	-0.90	0.399	0.200	15.0	14631.1	0.0
359	-0.79	0.399	0.200	15.0	14635.4	0.0
360	-0.68	0.399	0.200	15.0	14639.0	0.0
361	-0.58	0.399	0.200	15.0	14562.8	0.0
362	-0.47	0.399	0.200	15.0	13927.9	0.0
363	-0.36	0.399	0.200	15.0	13596.4	0.0
364	-0.26	0.399	0.200	15.0	13582.7	0.0
365	-0.15	0.399	0.200	15.0	13570.4	0.0
366	-0.04	0.399	0.200	15.0	13557.5	0.0
367	0.06	0.399	0.200	15.0	13543.8	0.0
368	0.17	0.399	0.200	15.0	13529.5	0.0
369	0.28	0.399	0.200	15.0	13514.5	0.0
370	0.38	0.399	0.200	15.0	13498.9	0.0
371	0.49	0.399	0.200	15.0	13482.5	0.0
372	0.60	0.399	0.200	15.0	13465.5	0.0
373	0.71	0.399	0.200	15.0	13447.7	0.0
374	0.81	0.399	0.200	15.0	13429.3	0.0
375	0.92	0.399	0.200	15.0	13410.2	0.0
376	1.03	0.399	0.200	15.0	13359.9	0.0
377	1.13	0.399	0.200	15.0	13317.0	0.0
378	1.24	0.399	0.200	15.0	13295.0	0.0
379	1.35	0.399	0.200	15.0	13272.3	0.0
380	1.46	0.399	0.200	15.0	13249.0	0.0
381	1.56	0.399	0.200	15.0	13224.9	0.0
382	1.67	0.399	0.200	15.0	13200.2	0.0
383	1.78	0.399	0.200	15.0	13174.7	0.0
384	1.88	0.399	0.200	15.0	13148.6	0.0
385	1.99	0.399	0.200	15.0	13121.8	0.0
386	2.10	0.399	0.200	15.0	13094.4	0.0
387	2.21	0.399	0.200	15.0	13066.2	0.0
388	2.31	0.399	0.200	15.0	13036.3	0.0
389	2.42	0.399	0.200	15.0	12993.2	0.0
390	2.53	0.399	0.200	15.0	12949.4	0.0
391	2.63	0.399	0.200	15.0	12904.8	0.0
392	2.74	0.399	0.200	15.0	12859.7	0.0
393	2.85	0.399	0.200	15.0	12803.6	0.0

394	2.95	0.400	0.200	15.0	12743.8	0.0
395	3.06	0.400	0.200	15.0	12683.3	0.0
396	3.17	0.400	0.200	15.0	12622.1	0.0
397	3.28	0.400	0.200	15.0	12508.2	0.0
398	3.38	0.400	0.200	15.0	12324.8	0.0
399	3.49	0.400	0.200	15.0	12140.8	0.0
400	3.60	0.400	0.200	15.0	11956.2	0.0
401	3.71	0.400	0.200	15.0	11770.8	0.0
402	3.81	0.400	0.200	15.0	11584.7	0.0
403	3.92	0.400	0.200	15.0	11398.0	0.0
404	4.03	0.400	0.200	15.0	11210.5	0.0
405	4.14	0.400	0.200	15.0	11022.4	0.0
406	4.24	0.400	0.200	15.0	10845.1	0.0
407	4.35	0.400	0.200	15.0	10672.4	0.0
408	4.46	0.400	0.200	15.0	10499.0	0.0
409	4.56	0.400	0.200	15.0	10324.9	0.0
410	4.67	0.400	0.200	15.0	10150.1	0.0
411	4.78	0.400	0.200	15.0	10033.1	0.0
412	4.89	0.400	0.200	15.0	9932.6	0.0
413	4.99	0.401	0.200	15.0	9831.5	0.0
414	5.10	0.401	0.200	15.0	9729.6	0.0
415	5.21	0.401	0.200	15.0	9627.1	0.0
416	5.32	0.401	0.200	15.0	9523.8	0.0
417	5.42	0.401	0.200	15.0	9419.9	0.0
418	5.53	0.401	0.200	15.0	9315.3	0.0
419	5.64	0.401	0.200	15.0	9209.9	0.0
420	5.75	0.401	0.200	15.0	9103.9	0.0
421	5.85	0.401	0.200	15.0	8997.2	0.0
422	5.96	0.401	0.200	15.0	8889.8	0.0
423	6.07	0.401	0.200	15.0	8781.7	0.0
424	6.18	0.401	0.200	15.0	8672.9	0.0
425	6.28	0.401	0.200	15.0	8563.4	0.0
426	6.39	0.401	0.200	15.0	8453.2	0.0
427	6.50	0.402	0.200	15.0	8342.3	0.0
428	6.61	0.402	0.200	15.0	8230.7	0.0
429	6.71	0.402	0.200	15.0	8118.5	0.0
430	6.82	0.402	0.200	15.0	8009.9	0.0
431	6.93	0.402	0.200	15.0	7914.1	0.0
432	7.04	0.402	0.200	15.0	7817.6	0.0
433	7.15	0.402	0.200	15.0	7720.3	0.0
434	7.25	0.402	0.200	15.0	7622.4	0.0
435	7.36	0.402	0.200	15.0	7523.8	0.0
436	7.47	0.402	0.200	15.0	7424.5	0.0
437	7.58	0.403	0.200	15.0	7324.4	0.0
438	7.69	0.403	0.200	15.0	7223.7	0.0
439	7.79	0.403	0.200	15.0	7112.8	0.0
440	7.90	0.403	0.200	15.0	6981.8	0.0
441	8.01	0.403	0.200	15.0	6850.1	0.0
442	8.12	0.403	0.200	15.0	6717.7	0.0
443	8.23	0.403	0.200	15.0	6584.6	0.0
444	8.34	0.403	0.200	15.0	6450.7	0.0
445	8.44	0.403	0.200	15.0	6316.2	0.0
446	8.55	0.403	0.200	15.0	6180.9	0.0
447	8.66	0.404	0.200	15.0	6045.0	0.0
448	8.77	0.404	0.200	15.0	5921.6	0.0
449	8.88	0.404	0.200	15.0	5805.0	0.0
450	8.98	0.404	0.200	15.0	5687.8	0.0
451	9.09	0.404	0.200	15.0	5570.0	0.0
452	9.20	0.404	0.200	15.0	5451.7	0.0
453	9.31	0.404	0.200	15.0	5332.7	0.0
454	9.42	0.404	0.200	15.0	5213.2	0.0
455	9.53	0.405	0.200	15.0	5147.9	0.0
456	9.63	0.405	0.200	15.0	5099.2	0.0
457	9.74	0.405	0.200	15.0	5049.8	0.0
458	9.85	0.405	0.200	15.0	4999.8	0.0
459	9.96	0.405	0.200	15.0	4949.3	0.0
460	10.07	0.405	0.200	15.0	4898.2	0.0
461	10.18	0.405	0.200	15.0	4838.3	0.0
462	10.29	0.406	0.200	15.0	4719.2	0.0
463	10.40	0.406	0.200	15.0	4599.5	0.0
464	10.50	0.406	0.200	15.0	4479.2	0.0

465	10.61	0.406	0.200	15.0	4358.3	0.0
466	10.72	0.406	0.200	15.0	4236.9	0.0
467	10.83	0.406	0.200	15.0	4114.8	0.0
468	10.94	0.406	0.200	15.0	3992.1	0.0
469	11.05	0.407	0.200	15.0	3868.8	0.0
470	11.16	0.407	0.200	15.0	3745.0	0.0
471	11.27	0.407	0.200	15.0	3620.5	0.0
472	11.38	0.407	0.200	15.0	3495.4	0.0
473	11.49	0.407	0.200	15.0	3369.8	0.0
474	11.59	0.407	0.200	15.0	3243.5	0.0
475	11.70	0.407	0.200	15.0	3141.7	0.0
476	11.81	0.408	0.200	15.0	3065.7	0.0
477	11.92	0.408	0.200	15.0	2989.0	0.0
478	12.03	0.408	0.200	15.0	2911.8	0.0
479	12.14	0.408	0.200	15.0	2833.9	0.0
480	12.25	0.408	0.200	15.0	2715.1	0.0
481	12.36	0.408	0.200	15.0	2588.6	0.0
482	12.47	0.409	0.200	15.0	2461.5	0.0
483	12.58	0.409	0.200	15.0	2333.8	0.0
484	12.69	0.409	0.200	15.0	2205.5	0.0
485	12.80	0.409	0.200	15.0	2076.6	0.0
486	12.91	0.409	0.200	15.0	1947.1	0.0
487	13.02	0.410	0.200	15.0	1816.9	0.0
488	13.13	0.410	0.200	15.0	1686.2	0.0
489	13.24	0.410	0.200	15.0	1554.8	0.0
490	13.35	0.410	0.200	15.0	1422.9	0.0
491	13.46	0.410	0.200	15.0	1290.3	0.0
492	13.57	0.410	0.200	15.0	1157.1	0.0
493	13.68	0.411	0.200	15.0	1023.3	0.0
494	13.79	0.411	0.200	15.0	888.9	0.0
495	13.90	0.411	0.200	15.0	753.8	0.0
496	14.01	0.411	0.200	15.0	618.1	0.0
497	14.12	0.411	0.200	15.0	481.9	0.0
498	14.23	0.412	0.200	15.0	345.0	0.0
499	14.34	0.412	0.200	15.0	207.5	0.0
500	14.45	0.412	0.200	15.0	69.3	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-2872.3	-9045.3	3230.4	860.4	-132.1
2	-4852.7	-9274.0	2780.6	1019.6	-393.3
3	-4151.9	-9341.5	1000.4	1176.7	-650.5
4	-3840.1	-8828.0	544.4	597.8	-878.2
5	-3213.2	-8209.9	451.7	703.8	-1047.5
6	-2733.8	-7488.9	702.6	808.5	-1214.2
7	-2427.0	-6666.9	971.7	911.9	-1378.3
8	-2316.8	-5745.6	1258.6	1013.9	-1539.9
9	-2427.7	-4726.7	1563.4	1114.8	-1699.0
10	-2782.1	-3612.0	1884.9	1214.4	-1855.6
11	-3403.4	-2403.1	2223.7	1312.8	-2009.8
12	-4313.8	-1101.6	2578.8	1410.0	-2161.7
13	-5534.5	290.7	2949.7	1505.9	-2311.1
14	-7087.4	1772.4	3336.9	1600.8	-2458.3
15	-8991.9	3341.6	3738.7	1694.5	-2603.0
16	-11268.8	4996.9	4156.0	1787.1	-2745.5
17	-13938.0	6736.7	4588.2	1878.6	-2885.9
18	-17018.0	8559.5	5034.2	1969.0	-3024.0
19	-20527.2	10463.6	5494.2	2058.3	-3159.9
20	-24484.6	12447.7	5968.4	2146.6	-3293.7
21	-28906.9	14510.2	6455.4	2233.9	-3425.4
22	-33812.0	16649.7	6955.8	2320.1	-3555.0
23	-39216.2	18864.8	7468.7	2405.4	-3682.6
24	-45135.4	21154.0	7993.7	2489.7	-3808.1
25	-51585.4	23515.6	8530.7	2572.9	-3931.4
26	-58582.4	25948.6	9080.1	2655.3	-4053.0
27	-66140.4	28451.5	9640.3	2736.7	-4172.5
28	-74274.4	31022.9	10211.9	2817.3	-4290.1
29	-82998.3	33661.3	10794.4	2896.8	-4405.8

30	-87771.8	36349.8	7908.3	2958.6	-4493.5
31	-91700.9	39063.3	7337.8	2994.0	-4540.1
32	-95456.0	41800.7	7275.2	3028.6	-4585.1
33	-99034.0	44561.5	7209.4	3062.7	-4629.3
34	-102430.3	47344.7	7139.4	3096.2	-4672.2
35	-105639.8	50149.7	7064.7	3129.2	-4714.0
36	-108659.0	52975.7	6986.6	3161.6	-4754.8
37	-111483.6	55821.8	6904.4	3193.4	-4794.4
38	-114110.3	58687.3	6819.2	3224.6	-4832.7
39	-116534.9	61571.5	6729.8	3255.4	-4870.3
40	-118754.2	64473.5	6637.3	3285.6	-4906.5
41	-120763.8	67392.7	6540.7	3315.2	-4941.7
42	-124024.8	70328.4	7561.2	3344.4	-4976.0
43	-132239.4	73297.7	11447.5	3393.0	-5039.4
44	-140859.5	76307.7	11867.2	3449.8	-5114.6
45	-149806.7	79357.0	12226.8	3505.8	-5188.2
46	-159084.8	82444.7	12589.3	3561.2	-5260.4
47	-168697.6	85570.1	12954.3	3616.1	-5331.5
48	-178647.2	88732.2	13321.0	3670.3	-5401.2
49	-188936.3	91929.7	13689.6	3723.8	-5469.4
50	-199567.5	95162.0	14060.0	3776.7	-5536.4
51	-210543.1	98427.9	14432.2	3829.1	-5602.0
52	-221865.3	101726.7	14805.8	3880.8	-5666.4
53	-233535.4	105057.1	15180.6	3931.9	-5729.2
54	-245556.7	108418.5	15557.6	3982.5	-5791.1
55	-257928.4	111809.9	15933.6	4032.4	-5851.5
56	-270647.6	115230.0	16306.5	4081.2	-5910.0
57	-283721.1	118677.8	16684.5	4129.4	-5967.1
58	-297150.1	122152.4	17063.4	4177.1	-6023.0
59	-310936.3	125653.1	17443.4	4224.3	-6077.8
60	-325080.3	129178.9	17823.8	4270.9	-6131.4
61	-339584.0	132729.1	18205.5	4317.0	-6184.0
62	-354446.5	136302.5	18586.7	4362.5	-6234.9
63	-369670.7	139898.8	18969.7	4407.6	-6285.3
64	-385255.4	143516.7	19351.9	4452.1	-6334.1
65	-401203.1	147156.0	19735.7	4496.3	-6382.3
66	-417512.3	150815.3	20118.4	4539.8	-6429.0
67	-433963.0	154495.0	20330.6	4583.6	-6476.1
68	-441939.9	158189.5	13829.2	4621.6	-6514.1
69	-449694.6	161889.2	13726.1	4647.9	-6535.3
70	-457364.3	165593.3	13729.3	4673.7	-6555.5
71	-464947.7	169301.6	13731.0	4699.2	-6575.2
72	-472442.5	173013.2	13730.3	4724.3	-6593.9
73	-479847.1	176727.6	13727.8	4749.0	-6611.7
74	-487160.4	180444.4	13723.9	4773.4	-6629.0
75	-494380.7	184162.9	13718.1	4797.4	-6645.3
76	-501508.4	187882.5	13712.1	4820.9	-6660.8
77	-508538.0	191602.9	13701.1	4844.2	-6675.7
78	-515470.1	195323.3	13690.2	4867.1	-6689.8
79	-522303.0	199043.2	13677.3	4889.6	-6703.0
80	-525896.1	202762.3	11201.8	4911.9	-6715.8
81	-517701.6	206468.8	1991.6	4918.8	-6707.4
82	-508780.7	210157.0	1441.0	4918.9	-6689.1
83	-499216.9	213826.9	954.9	4918.8	-6670.8
84	-489014.8	217478.4	471.4	4918.6	-6652.3
85	-478177.3	221110.9	-11.0	4918.0	-6632.9
86	-466706.3	224724.3	-492.9	4917.2	-6613.3
87	-454611.3	228318.3	-968.3	4916.1	-6593.3
88	-441894.4	231892.5	-1443.2	4914.8	-6572.7
89	-428556.8	235447.1	-1918.2	4913.4	-6552.1
90	-414611.6	238981.5	-2383.8	4911.7	-6531.0
91	-400051.9	242495.6	-2856.0	4909.7	-6509.4
92	-396219.3	245989.2	5624.7	4907.6	-6487.8
93	-408680.2	249484.4	18566.0	4936.0	-6506.5
94	-421366.6	252982.3	18826.9	4966.9	-6528.2
95	-434240.1	256482.6	19057.2	4997.5	-6549.2
96	-447305.7	259984.7	19291.2	5027.8	-6569.5
97	-460559.9	263488.0	19522.1	5057.7	-6588.9
98	-474001.3	266992.3	19751.7	5087.3	-6608.0
99	-487633.4	270496.7	19983.7	5116.5	-6625.9
100	-501447.6	274000.7	20208.8	5145.5	-6643.2

101	-515442.7	277503.8	20432.7	5174.0	-6659.7
102	-529624.8	281005.6	20661.0	5202.4	-6675.8
103	-543989.6	284505.5	20885.8	5230.3	-6690.8
104	-558535.6	288002.9	21109.0	5258.0	-6705.3
105	-573243.3	291496.6	21313.5	5283.9	-6717.3
106	-588089.3	294984.0	21494.5	5306.8	-6725.1
107	-603104.0	298464.8	21699.5	5329.3	-6732.1
108	-618293.5	301938.6	21908.9	5351.7	-6738.9
109	-633652.7	305404.8	22114.2	5373.8	-6744.7
110	-649179.9	308863.3	22317.6	5395.6	-6750.2
111	-664873.4	312313.2	22519.6	5417.1	-6754.8
112	-680732.1	315754.6	22720.2	5438.4	-6759.2
113	-696750.0	319186.8	22915.8	5459.4	-6762.9
114	-712937.5	322609.3	23119.6	5480.1	-6765.9
115	-760058.8	327425.8	28150.2	3226.2	-6784.8
116	-780146.6	332254.3	15499.1	3248.8	-6810.5
117	-800513.7	337093.8	15688.6	3271.1	-6835.2
118	-821185.7	341945.2	15891.4	3294.1	-6861.1
119	-842155.9	346808.2	16091.7	3317.2	-6886.8
120	-835431.0	350446.5	5930.6	5365.3	-6911.6
121	-853995.1	354091.1	21659.5	5393.6	-6935.2
122	-872756.9	357741.8	21861.4	5421.8	-6958.4
123	-891719.3	361397.4	22064.8	5449.5	-6980.3
124	-910881.2	365057.4	22267.1	5477.0	-7001.4
125	-930236.4	368720.9	22465.3	5504.1	-7021.5
126	-949794.4	372387.8	22668.8	5531.0	-7041.2
127	-969546.7	376056.6	22866.9	5557.5	-7059.4
128	-989497.8	379727.2	23067.3	5583.8	-7077.2
129	-1009636.8	383398.7	23260.6	5609.8	-7093.9
130	-1021330.3	387076.1	18084.8	5632.8	-7113.9
131	-1028704.9	390757.7	15457.6	5649.7	-7128.4
132	-1036034.6	394442.7	15485.5	5666.3	-7141.9
133	-1043313.9	398130.4	15509.7	5682.8	-7154.7
134	-1050532.8	401820.0	15527.3	5699.1	-7166.5
135	-1057887.9	405518.2	15657.7	5710.4	-7182.1
136	-1065317.8	409229.6	15743.6	5718.6	-7200.2
137	-1072727.2	412952.8	15770.1	5726.7	-7217.0
138	-1080093.3	416687.0	15781.9	5734.5	-7232.8
139	-1087430.7	420431.8	15802.6	5742.3	-7248.1
140	-1094726.8	424186.0	15814.9	5749.9	-7262.2
141	-1101989.4	427949.0	15832.0	5757.4	-7275.5
142	-1108636.2	431720.2	15485.0	5764.8	-7288.2
143	-1076426.5	435492.1	-8754.7	5764.6	-7288.8
144	-1043243.2	439254.2	-9374.0	5752.1	-7271.3
145	-1009301.9	443005.8	-9859.3	5739.5	-7253.2
146	-974621.7	446746.6	-10333.4	5726.8	-7234.7
147	-939193.4	450476.1	-10813.9	5714.1	-7215.6
148	-903019.8	454193.4	-11294.4	5700.8	-7195.3
149	-866070.9	457896.2	-11797.2	5685.9	-7171.7
150	-828369.1	461584.0	-12285.9	5671.4	-7147.8
151	-789939.8	465256.0	-12759.6	5656.7	-7123.1
152	-750782.1	468912.0	-13234.3	5642.0	-7098.1
153	-710895.1	472551.9	-13710.3	5627.2	-7072.9
154	-670292.4	476174.5	-14178.5	5612.3	-7046.6
155	-628974.4	479780.2	-14647.0	5597.4	-7020.6
156	-586940.5	483368.2	-15116.5	5582.4	-6993.8
157	-544205.1	486938.2	-15577.7	5567.3	-6966.5
158	-500778.6	490490.2	-16031.8	5552.8	-6939.7
159	-456664.6	494024.9	-16482.5	5539.0	-6914.0
160	-411872.4	497541.2	-16928.2	5525.1	-6887.0
161	-366381.0	501039.4	-17387.5	5511.2	-6860.5
162	-320217.5	504518.8	-17830.5	5497.2	-6833.2
163	-273376.8	507979.0	-18277.4	5483.1	-6805.4
164	-225861.6	511419.6	-18723.1	5468.9	-6777.1
165	-177681.5	514840.6	-19163.4	5454.8	-6748.9
166	-128857.2	518241.5	-19591.3	5440.5	-6720.0
167	-79367.1	521622.0	-20033.3	5426.1	-6690.9
168	-29196.9	524979.9	-20482.3	5413.0	-6660.3
169	21684.1	528311.3	-20946.5	5402.2	-6627.2
170	73201.8	531615.8	-21364.6	5391.2	-6593.7
171	125334.9	534893.5	-21769.7	5380.3	-6560.1

172	178089.1	538143.9	-22179.1	5369.2	-6526.1
173	231440.8	541366.8	-22574.2	5358.0	-6491.7
174	285392.1	544562.3	-22971.0	5346.9	-6457.6
175	339937.9	547729.6	-23365.3	5335.6	-6422.5
176	395056.2	550868.8	-23746.3	5324.2	-6387.4
177	450650.8	553984.6	-24074.1	5309.3	-6355.0
178	506814.2	557076.6	-24461.0	5294.4	-6322.0
179	563194.8	560144.5	-24625.8	5279.4	-6288.9
180	618060.6	563189.1	-23693.0	5265.3	-6256.8
181	673436.3	566209.9	-24040.6	5251.6	-6224.8
182	729332.5	569207.0	-24395.5	5237.9	-6192.6
183	785740.0	572180.0	-24745.0	5224.1	-6160.1
184	842659.8	575128.8	-25095.7	5210.2	-6127.5
185	900075.9	578053.0	-25436.7	5196.2	-6094.3
186	958020.7	580950.0	-25795.3	5183.9	-6059.6
187	1016485.0	583817.6	-26145.5	5173.0	-6023.6
188	1075413.4	586655.7	-26461.1	5161.9	-5987.2
189	1134791.8	589464.1	-26768.3	5150.8	-5950.8
190	1194619.1	592242.7	-27075.3	5139.5	-5914.2
191	1254888.7	594991.0	-27378.6	5128.2	-5876.9
192	1315589.1	597709.0	-27675.1	5116.8	-5839.7
193	1376706.3	600396.7	-27963.0	5105.4	-5802.5
194	1438243.6	603053.9	-28253.5	5094.0	-5765.0
195	1500182.9	605680.5	-28533.1	5082.4	-5727.3
196	1562510.0	608276.2	-28804.0	5070.7	-5689.3
197	1625229.4	610840.8	-29078.3	5059.0	-5651.0
198	1688312.7	613374.4	-29334.9	5047.2	-5612.8
199	1751779.0	615876.7	-29604.1	5035.4	-5574.4
200	1815602.5	618347.7	-29857.4	5023.4	-5535.7
201	1879780.0	620787.4	-30109.0	5011.4	-5497.1
202	1944285.6	623195.3	-30344.6	4999.3	-5458.0
203	2009131.6	625571.3	-30588.5	4987.2	-5418.6
204	2074304.6	627915.8	-30824.2	4975.0	-5379.6
205	2139694.4	630233.2	-30971.3	4971.3	-5350.4
206	2205368.8	632526.9	-31160.7	4968.2	-5324.8
207	2271461.8	634796.7	-31436.0	4965.1	-5298.9
208	2337878.2	637042.6	-31650.8	4961.9	-5273.0
209	2404524.5	639264.0	-31806.3	4958.6	-5246.5
210	2471488.1	641460.6	-32018.2	4955.2	-5219.7
211	2538742.7	643632.1	-32213.5	4951.6	-5192.4
212	2606292.8	645778.5	-32412.2	4948.1	-5165.2
213	2674131.6	647899.2	-32606.9	4944.4	-5137.2
214	2742247.9	649994.5	-32794.7	4940.7	-5109.5
215	2810642.2	652063.8	-32983.4	4936.9	-5081.2
216	2879284.7	654107.1	-33153.3	4933.0	-5052.8
217	2948176.2	656124.3	-33321.0	4930.3	-5025.2
218	3017337.3	658112.7	-33489.1	4933.7	-4998.4
219	3086725.8	660072.3	-33630.4	4937.0	-4971.5
220	3156343.5	662003.0	-33773.2	4940.2	-4944.7
221	3226155.4	663904.3	-33893.8	4943.3	-4917.1
222	3296179.9	665776.2	-34026.7	4946.3	-4889.5
223	3366178.3	667633.7	-33906.6	4994.4	-4904.6
224	3436785.8	669450.7	-34361.6	4967.0	-4847.3
225	3507492.5	671227.6	-34489.4	4939.6	-4790.4
226	3578286.2	672963.9	-34610.0	4912.0	-4733.0
227	3649186.8	674660.3	-34743.6	4884.5	-4676.4
228	3720154.2	676316.7	-34851.7	4856.9	-4619.5
229	3791187.4	677933.5	-34959.5	4829.2	-4563.1
230	3798194.1	679514.4	6191.4	4803.8	-4511.5
231	3761472.5	681070.6	34382.8	4815.7	-4494.3
232	3724422.9	682602.0	34638.8	4827.6	-4476.6
233	3687040.7	684108.3	34897.7	4839.3	-4458.7
234	3649324.2	685588.7	35157.7	4851.0	-4440.0
235	3611294.1	687043.4	35403.9	4862.6	-4421.2
236	3572936.3	688471.4	35659.5	4874.0	-4401.6
237	3534270.0	689873.1	35902.1	4885.4	-4382.2
238	3495275.8	691247.5	36157.5	4896.6	-4361.7
239	3455983.8	692594.7	36393.1	4907.8	-4341.4
240	3416383.1	693914.5	36635.7	4918.8	-4320.7
241	3376464.3	695206.1	36884.2	4929.8	-4299.2
242	3336264.5	696469.5	37108.7	4940.7	-4277.6

243	3295760.0	697704.2	37348.2	4951.5	-4255.6
244	3254962.3	698909.8	37580.4	4962.1	-4232.8
245	3213888.4	700086.3	37801.2	4972.7	-4210.3
246	3172528.3	701233.3	38028.5	4983.2	-4187.1
247	3130895.0	702350.5	38247.0	4993.6	-4163.8
248	3088981.5	703437.8	38470.1	5003.9	-4140.1
249	3046812.5	704494.4	38677.0	5014.1	-4115.6
250	3004364.7	705520.3	38898.9	5024.2	-4091.2
251	2961668.6	706515.3	39100.8	5034.2	-4066.3
252	2918723.4	707479.3	39303.0	5044.2	-4041.4
253	2875521.4	708411.3	39510.3	5054.0	-4015.4
254	2832076.6	709312.2	39707.3	5063.4	-3990.0
255	2788346.1	710184.0	39926.3	5070.2	-3965.0
256	2759564.0	711026.8	30257.4	5076.9	-3940.1
257	2755211.8	711838.5	14396.8	5070.7	-3905.3
258	2750732.4	712619.0	14471.0	5062.7	-3869.1
259	2746125.2	713368.0	14545.5	5054.6	-3832.7
260	2741370.4	714085.4	14632.5	5046.5	-3796.2
261	2736485.2	714771.2	14708.1	5038.2	-3759.5
262	2729280.2	715572.9	15495.0	4788.3	-3723.0
263	2724691.8	716342.6	13841.3	4780.2	-3686.0
264	2719967.9	717080.5	13916.6	4772.0	-3649.2
265	2715097.1	717786.2	13998.9	4763.7	-3611.9
266	2710099.6	718460.2	14068.3	4755.4	-3575.2
267	2704974.2	719102.1	14138.1	4747.1	-3538.0
268	2670232.0	719711.5	32772.9	4739.6	-3501.0
269	2611369.7	720290.3	47997.9	4749.6	-3476.5
270	3224934.2	676661.2	183000.0	79547.5	-4901.7
271	2339777.3	677177.3	568689.9	4769.5	-3425.9
272	2284100.7	677661.4	46114.5	4779.3	-3399.9
273	2383945.9	678110.9	-51953.7	4762.1	-3354.7
274	2485284.0	678523.0	-53011.9	4716.7	-3289.7
275	2586575.4	678898.7	-53099.7	4671.2	-3225.6
276	2548887.7	679239.0	34530.6	4647.9	-3175.9
277	2492588.2	679544.3	46320.8	4660.2	-3148.5
278	3094608.9	635712.1	183000.0	79126.0	-4441.4
279	2889176.9	591869.4	183000.0	79075.5	-4400.2
280	2021129.2	592068.5	559293.1	4696.8	-3064.5
281	1971741.0	592232.4	42134.9	4708.8	-3036.6
282	1922208.2	592360.1	42269.9	4720.7	-3007.7
283	1872553.9	592451.7	42390.0	4732.6	-2978.9
284	1822779.1	592506.6	42509.4	4744.3	-2949.3
285	1772889.5	592525.0	42625.0	4756.0	-2919.9
286	1722901.6	592506.1	42729.9	4767.6	-2889.8
287	1721801.8	592450.6	11821.6	4779.1	-2860.2
288	1792692.2	592360.5	-33842.9	4744.5	-2804.4
289	1863443.3	592236.9	-33854.5	4704.9	-2746.8
290	1934032.8	592080.7	-33851.8	4665.2	-2690.0
291	2004457.2	591891.9	-33847.5	4625.5	-2633.3
292	2074706.3	591671.6	-33836.8	4585.8	-2577.3
293	2144770.1	591419.7	-33820.1	4546.0	-2521.6
294	2214642.8	591137.1	-33799.9	4506.1	-2466.6
295	2284309.8	590824.1	-33770.7	4466.2	-2411.7
296	2353766.9	590481.5	-33739.0	4426.2	-2357.7
297	2423001.4	590109.4	-33699.6	4386.2	-2303.8
298	2492009.5	589708.7	-33658.0	4346.0	-2250.8
299	2560774.6	589279.9	-33605.9	4305.9	-2198.2
300	2629309.1	588823.6	-33561.9	4265.6	-2146.1
301	2697588.4	588340.6	-33502.6	4225.4	-2094.8
302	2722205.9	587830.1	-5830.3	4189.1	-2045.2
303	2722569.8	587289.2	9569.8	4177.2	-2007.5
304	2722772.7	586717.2	9648.4	4165.3	-1969.2
305	2722836.9	586115.4	9712.6	4153.3	-1932.0
306	2722743.5	585483.2	9788.7	4141.2	-1894.3
307	2722496.4	584820.8	9862.0	4129.1	-1856.7
308	2722110.1	584128.6	9926.0	4116.9	-1819.5
309	2723110.3	583272.8	9510.9	4323.9	-1782.1
310	2721784.1	582387.8	11020.2	4311.2	-1745.2
311	2720313.0	581473.8	11090.0	4298.4	-1708.4
312	2718688.3	580530.6	11165.3	4285.6	-1671.4
313	2716920.7	579558.7	11233.3	4272.7	-1634.8

314	2715000.0	578558.3	11307.8	4259.7	-1598.4
315	2712931.7	577529.4	11378.5	4246.6	-1561.8
316	2710724.9	576472.7	11442.9	4233.4	-1526.0
317	2708363.4	575388.1	11517.8	4220.2	-1490.1
318	2705861.8	574275.8	11582.8	4206.9	-1454.3
319	2680200.5	573136.1	26883.8	4193.5	-1418.7
320	2626451.1	571962.6	45508.3	4201.9	-1390.0
321	2572761.4	570754.8	45505.1	4211.3	-1361.5
322	3021265.9	525381.9	183000.0	77500.8	-1909.2
323	2275650.7	524105.7	504105.1	4230.0	-1304.5
324	2500773.5	522805.0	-139277.9	4209.9	-1267.6
325	2879804.8	521540.4	-241857.7	4006.6	-1179.8
326	3168605.5	520315.4	-182563.5	3803.1	-1095.2
327	3468881.5	474623.1	183000.0	77386.9	-1520.4
328	3160747.1	428906.1	183000.0	77365.9	-1482.8
329	2860234.6	383163.8	183000.0	77345.4	-1445.1
330	2201269.4	381835.5	446563.6	3775.9	-975.3
331	2161558.1	380476.0	35343.8	3784.4	-949.4
332	2121901.1	379085.1	35338.0	3792.9	-923.1
333	2082314.2	377663.0	35321.3	3801.3	-897.0
334	2042803.5	376209.7	35300.4	3809.6	-870.8
335	2003370.4	374725.0	35278.1	3817.9	-844.6
336	1964032.3	373209.1	35244.1	3826.0	-818.2
337	1924793.4	371661.7	35207.0	3834.1	-791.8
338	1885656.5	370082.8	35167.8	3842.1	-765.0
339	1846608.9	368475.1	35128.2	3846.4	-738.9
340	1807698.3	366838.9	35055.3	3850.1	-712.8
341	1768924.9	365174.2	34982.1	3853.8	-686.5
342	1730301.0	363481.0	34900.2	3857.4	-660.1
343	1691837.4	361759.5	34810.8	3860.9	-634.0
344	1653538.6	360009.2	34718.2	3864.3	-607.2
345	1615409.9	358230.4	34621.6	3867.6	-580.8
346	1577457.3	356422.7	34521.0	3870.8	-553.9
347	1539693.5	354586.6	34411.2	3874.0	-527.4
348	1502122.5	352721.8	34298.7	3877.1	-500.5
349	1464748.8	350828.2	34182.7	3880.1	-473.6
350	1427581.8	348905.9	34060.2	3883.0	-446.7
351	1390632.3	346954.8	33930.0	3885.9	-419.6
352	1353902.2	344975.2	33798.2	3888.6	-392.8
353	1317399.9	342966.6	33660.7	3891.3	-365.4
354	1281132.3	340929.2	33518.0	3893.9	-338.2
355	1245112.2	338863.6	33366.3	3896.4	-311.6
356	1209337.7	336769.0	33215.8	3898.9	-284.0
357	1173823.0	334645.9	33055.2	3901.3	-257.0
358	1138576.3	332494.1	32888.9	3903.5	-229.7
359	1103598.0	330313.6	32721.8	3905.7	-202.3
360	1068900.8	328104.5	32546.1	3907.9	-175.0
361	1150323.2	325863.1	-45280.5	3914.9	-147.0
362	1308034.9	323670.9	-96778.1	3781.0	-114.5
363	1276632.1	321480.2	29941.4	3732.7	-86.6
364	1245789.6	319264.6	29568.6	3731.3	-60.8
365	1215158.7	317025.2	29427.0	3728.8	-35.6
366	1184758.6	314762.3	29272.1	3726.2	-10.4
367	1154582.8	312475.3	29121.4	3723.6	15.3
368	1124647.2	310164.9	28959.5	3720.9	40.4
369	1094952.4	307830.9	28797.0	3718.1	65.6
370	1065503.2	305473.7	28630.7	3715.2	90.6
371	1036307.0	303093.2	28459.2	3712.2	115.8
372	1007366.2	300689.5	28285.8	3709.1	140.8
373	978691.7	298262.6	28104.6	3706.0	165.9
374	950281.5	295813.1	27924.3	3702.7	190.5
375	922145.2	293340.7	27737.3	3699.4	215.4
376	894362.0	290838.3	27527.3	3709.0	239.6
377	866820.5	288308.0	27384.0	3715.1	263.8
378	839498.5	285755.4	27233.2	3711.8	288.0
379	812472.9	283180.5	27030.4	3708.5	312.4
380	785746.5	280583.3	26825.3	3705.2	336.7
381	759324.4	277964.1	26616.4	3701.7	360.9
382	733211.1	275323.3	26403.8	3698.1	384.7
383	707414.1	272660.7	26186.1	3694.5	408.6
384	681936.7	269976.6	25965.7	3690.7	432.5

385	656782.9	267271.1	25742.1	3686.9	456.2
386	631957.8	264544.6	25514.6	3683.0	479.5
387	607467.4	261796.9	25282.9	3679.0	503.2
388	583318.5	259028.1	25047.1	3675.4	526.5
389	559540.9	256236.0	24803.4	3677.0	548.8
390	536106.7	253420.3	24578.3	3678.6	571.5
391	513019.5	250581.4	24350.3	3680.0	593.7
392	490286.0	247720.0	24117.3	3681.4	615.5
393	467931.2	244833.5	23877.4	3687.1	637.0
394	445946.8	241922.1	23645.8	3694.0	657.7
395	424323.0	238986.0	23420.3	3700.8	678.4
396	403070.1	236025.4	23187.7	3707.5	698.7
397	410293.3	233052.4	3865.9	3699.3	716.1
398	419055.7	230083.9	2752.3	3671.3	728.7
399	427451.3	227120.6	2930.6	3643.2	740.6
400	435487.0	224163.3	3104.1	3614.9	751.9
401	443164.2	221212.8	3276.4	3586.6	762.3
402	450486.1	218269.8	3446.5	3558.1	772.2
403	457457.2	215335.6	3613.2	3529.5	780.9
404	464079.4	212410.5	3778.7	3500.8	789.3
405	470357.1	209495.4	3940.9	3472.0	796.9
406	476275.5	206593.4	4101.3	3438.1	804.4
407	481855.5	203706.3	4241.9	3401.7	811.8
408	487112.2	200834.9	4372.0	3365.2	818.3
409	492053.3	197979.8	4496.7	3328.6	824.3
410	492356.3	195142.2	7563.6	3291.9	829.3
411	481212.5	192307.3	15308.0	3271.9	838.8
412	470227.8	189471.2	15163.7	3256.7	849.2
413	459353.2	186634.4	15052.5	3241.5	859.1
414	448595.6	183797.8	14936.2	3226.1	868.5
415	437952.1	180961.3	14821.5	3210.6	877.7
416	427428.1	178125.9	14702.8	3195.0	886.2
417	417020.9	175291.9	14585.7	3179.3	894.3
418	406732.7	172459.9	14466.7	3163.5	902.0
419	396566.2	169630.3	14345.4	3147.6	909.3
420	386519.6	166803.6	14225.2	3131.5	916.2
421	376596.8	163980.7	14101.8	3115.3	922.3
422	366795.7	161161.7	13979.6	3099.1	928.3
423	357121.7	158347.3	13853.3	3082.7	933.7
424	347571.7	155538.0	13729.0	3066.2	938.7
425	338148.9	152734.5	13601.8	3049.5	943.0
426	328853.1	149937.2	13474.7	3032.8	947.1
427	319687.0	147146.8	13345.3	3015.9	950.4
428	310648.9	144363.7	13216.7	2998.9	953.5
429	301741.1	141588.8	13086.1	2981.8	955.8
430	290988.2	138821.0	14311.4	2965.9	958.4
431	279818.8	136056.9	14567.6	2953.8	962.0
432	268877.3	133297.2	14381.8	2941.5	965.1
433	258164.7	130542.2	14195.1	2929.2	968.0
434	247683.3	127792.4	14006.4	2916.7	970.3
435	237431.1	125048.6	13818.6	2904.1	972.1
436	227409.5	122311.1	13629.6	2891.4	973.5
437	217618.6	119580.5	13440.0	2878.6	974.4
438	208057.9	116857.3	13250.3	2865.7	974.9
439	201612.1	114145.1	11072.1	2849.8	973.6
440	195819.4	111450.5	10570.6	2828.1	969.1
441	190104.7	108774.5	10463.9	2806.3	963.9
442	184467.1	106117.6	10357.3	2784.3	958.3
443	178909.1	103480.5	10248.9	2762.2	951.9
444	173431.2	100863.7	10139.6	2740.0	945.1
445	168032.8	98268.2	10030.5	2717.6	937.6
446	162715.8	95694.4	9919.7	2695.1	929.5
447	157482.0	93143.5	9807.3	2672.4	920.6
448	152322.9	90617.3	9686.7	2643.7	913.2
449	147244.9	88117.5	9553.7	2611.5	906.6
450	142256.3	85644.8	9414.3	2579.1	899.2
451	137355.7	83199.8	9275.6	2546.5	891.5
452	132545.5	80783.2	9134.6	2513.6	883.1
453	127825.2	78395.7	8993.4	2480.5	874.1
454	121674.6	76038.1	9901.3	2447.2	864.7
455	111662.4	73691.6	12526.3	2430.1	863.9

456	102099.2	71350.8	12186.6	2417.9	865.7
457	92951.6	69016.1	11869.2	2405.5	867.1
458	84219.5	66688.0	11551.4	2392.9	868.3
459	75900.0	64366.6	11235.0	2380.2	869.3
460	67993.0	62052.6	10917.9	2367.2	869.7
461	63083.0	59749.3	8806.3	2351.7	868.7
462	59809.4	57478.5	7594.1	2318.2	856.5
463	56634.2	55240.9	7445.7	2284.5	843.8
464	53557.8	53037.3	7296.3	2250.6	830.6
465	50580.3	50868.4	7146.5	2216.5	816.6
466	47699.8	48734.8	6997.5	2182.1	802.3
467	44916.2	46637.4	6847.9	2147.5	787.2
468	42228.7	44576.8	6698.6	2112.7	771.7
469	39636.3	42553.8	6549.2	2077.6	755.5
470	37138.7	40569.2	6399.7	2042.2	738.7
471	34734.6	38623.7	6250.5	2006.6	721.3
472	32423.0	36717.9	6101.6	1970.8	703.4
473	30203.7	34852.9	5952.1	1934.7	684.7
474	28074.9	33029.2	5803.5	1898.4	665.5
475	24431.8	31237.8	6787.5	1869.5	650.9
476	21069.2	29469.0	6541.8	1848.4	641.2
477	17969.9	27723.2	6307.5	1827.0	631.2
478	15129.1	26001.0	6076.1	1805.5	620.6
479	12952.0	24303.0	5561.8	1783.7	609.7
480	11625.9	22646.2	4888.4	1749.3	589.6
481	10377.0	21034.1	4748.2	1712.5	567.3
482	9212.2	19467.6	4602.5	1675.4	544.4
483	8129.2	17947.4	4458.1	1638.1	520.8
484	7126.5	16474.4	4314.2	1600.5	496.6
485	6201.3	15049.3	4171.7	1562.6	471.8
486	5351.5	13673.0	4030.0	1524.4	446.3
487	4575.0	12346.3	3889.5	1486.0	420.1
488	3869.4	11070.0	3750.0	1447.3	393.3
489	3232.2	9845.0	3611.7	1408.3	365.8
490	2661.0	8672.2	3474.6	1369.0	337.7
491	2153.5	7552.2	3338.7	1329.5	308.8
492	1706.9	6486.2	3204.1	1289.7	279.3
493	1318.6	5474.8	3070.8	1249.6	249.1
494	985.9	4518.9	2938.9	1209.2	218.2
495	706.1	3619.5	2808.4	1168.5	186.6
496	476.4	2777.4	2679.3	1127.5	154.2
497	293.9	1993.5	2551.7	1086.2	121.2
498	155.7	1268.7	2425.6	1044.6	87.5
499	58.8	603.9	2301.1	1002.8	53.0
500	0.0	0.0	2178.3	960.6	17.9

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VERIFICA STABILITA' DEI PENDII

 Sezione I-I - Condizione Sismica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici :-0.116
 Coefficiente sismico verticale : 0.058
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Pendio	1	113.050	142.750
Pendio	2	117.840	141.080
Pendio	3	131.200	145.550
Pendio	4	145.420	148.970
Pendio	5	150.370	152.340
Pendio	6	160.590	154.090
Pendio	7	165.480	156.180
Pendio	8	185.300	156.180
Pendio	9	190.350	154.260
Pendio	10	200.410	152.980
Pendio	11	205.520	151.470
Pendio	12	210.230	149.090
Pendio	13	225.290	146.470
Pendio	14	230.340	145.080
Pendio	15	245.050	137.050
Pendio	16	265.220	126.300
Pendio	17	275.680	125.720
Pendio	18	280.400	124.660
Pendio	19	282.220	124.660
Pendio	20	283.460	123.790
Pendio	21	288.040	123.790
Pendio	22	293.930	120.140
Pendio	23	300.790	118.280
Pendio	24	302.710	118.280
Pendio	25	303.680	115.850
Pendio	26	317.500	115.840
Pendio	27	318.110	114.680
Pendio	28	331.720	114.070
Pendio	29	337.170	111.650
Pendio	30	344.960	110.140
Pendio	31	348.520	109.660
Pendio	32	354.730	108.230
Pendio	33	357.380	108.250
Pendio	34	362.820	107.090
Pendio	35	364.670	107.010
Pendio	36	380.520	103.840
Pendio	37	385.530	103.050
Pendio	38	391.810	101.600
Pendio	39	413.320	100.670
Pendio	40	417.210	100.260
Pendio	41	424.530	99.220
Pendio	42	439.410	97.820
Pendio	43	442.840	97.470
Pendio	44	450.860	95.790
Pendio	45	454.760	95.260
Pendio	46	461.670	93.110
Pendio	47	466.960	92.530
Pendio	48	474.290	90.730

Pendio	49	479.050	89.860
Pendio	50	482.830	88.170
Pendio	51	495.850	84.450
Pendio	52	507.480	81.310
Pendio	53	510.440	81.260
2	1	120.350	141.920
2	2	120.350	140.600
2	3	135.440	145.280
2	4	140.710	146.390
2	5	145.490	147.880
2	6	150.490	150.960
2	7	160.590	153.200
2	8	165.530	155.000
2	9	185.300	155.000
2	10	190.300	153.250
2	11	195.350	152.510
2	12	200.190	151.870
2	13	205.500	150.220
2	14	210.230	147.930
2	15	215.230	146.820
2	16	225.220	145.600
2	17	230.170	144.000
2	18	245.050	136.080
2	19	262.910	126.410
2	20	262.910	127.531
3	1	121.270	140.885
3	2	121.270	140.110
3	3	128.720	137.000
3	4	135.570	133.750
3	5	140.500	132.760
3	6	145.530	132.270
3	7	150.410	131.280
3	8	160.520	127.980
3	9	165.510	126.640
3	10	170.540	124.770
3	11	175.470	124.430
3	12	200.470	124.280
3	13	205.600	123.830
3	14	215.270	123.880
3	15	220.300	123.590
3	16	232.430	123.540
3	17	236.370	123.240
3	18	254.970	122.700
3	19	259.950	124.620
3	20	262.120	125.810
3	21	262.120	126.838
4	1	115.780	141.798
4	2	115.780	140.620
4	3	120.700	139.340
4	4	125.570	137.030
4	5	131.180	134.670
4	6	135.210	132.850
4	7	140.530	131.670
4	8	145.390	131.330
4	9	150.360	130.290
4	10	155.180	128.620
4	11	160.540	126.700
4	12	165.460	125.330
4	13	170.530	123.610
4	14	175.400	123.210
4	15	180.120	123.560
4	16	187.740	123.510
4	17	190.150	123.210
4	18	200.240	123.310
4	19	205.250	122.670
4	20	215.390	122.670
4	21	222.270	122.670
4	22	230.240	122.420
4	23	236.490	122.380
4	24	239.930	122.030
4	25	246.230	122.030

4	26	250.310	121.690
4	27	255.330	121.830
4	28	260.290	123.610
4	29	264.180	125.770
4	30	264.180	126.854
5	1	256.390	122.210
5	2	256.390	121.250
5	3	264.390	118.300
5	4	280.885	118.286
5	5	280.885	124.660
6	1	116.500	140.433
6	2	116.500	123.870
6	3	135.600	121.340
6	4	140.340	120.970
6	5	155.680	118.820
6	6	160.470	118.600
6	7	170.470	116.720
6	8	177.040	116.770
6	9	180.160	115.960
6	10	185.110	116.180
6	11	187.960	115.260
6	12	192.320	115.210
6	13	205.510	113.430
6	14	210.130	112.410
6	15	222.080	111.070
6	16	224.990	110.100
6	17	232.410	109.130
6	18	238.220	108.860
6	19	240.380	108.270
6	20	245.380	107.840
6	21	255.120	105.950
6	22	264.810	104.290
6	23	266.370	104.180
6	24	274.810	102.940
6	25	280.885	102.360
6	26	280.885	118.286
7	1	280.885	102.360
7	2	280.885	98.160
7	3	281.355	98.160
7	4	281.355	124.660
8	1	281.355	124.660
8	2	281.355	118.285
8	3	284.290	118.283
8	4	284.290	123.790
9	1	281.355	124.660
9	2	281.355	102.300
9	3	282.110	102.260
9	4	284.290	101.790
9	5	284.290	118.283
10	1	284.290	101.790
10	2	284.290	93.790
10	3	285.020	93.790
10	4	285.020	101.637
11	1	285.000	123.790
11	2	285.000	118.270
11	3	299.300	118.270
11	4	299.300	118.684
12	1	285.000	123.790
12	2	285.000	101.640
12	3	285.310	101.600
12	4	300.790	99.050
12	5	301.605	98.878
12	6	301.605	118.280
13	1	301.605	98.878
13	2	301.605	96.280
13	3	302.225	96.280
13	4	302.225	118.280
14	1	302.225	118.280
14	2	302.225	98.705
14	3	303.140	98.510
14	4	303.855	98.416

14	5	303.855	115.850
15	1	303.855	98.416
15	2	303.855	85.850
15	3	305.155	85.850
15	4	305.155	115.849
16	1	305.155	115.849
16	2	305.155	98.169
16	3	306.400	97.990
16	4	317.380	97.880
16	5	319.160	96.540
16	6	326.580	96.540
16	7	334.650	93.790
16	8	352.950	90.670
16	9	359.780	89.490
16	10	369.950	87.660
16	11	371.460	86.910
16	12	375.440	86.690
16	13	389.590	83.840
16	14	400.300	83.410
16	15	404.450	82.920
16	16	411.280	82.870
16	17	416.230	82.390
16	18	425.060	81.040
16	19	429.630	81.150
16	20	445.400	78.560
16	21	448.360	78.350
16	22	454.540	76.840
16	23	458.100	75.600
16	24	459.930	75.440
16	25	459.930	93.651

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
6	Fila 1	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.00
8	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
9	Fila 2	2500.0	18.30	0.00	1.00
10	ARGINE	1900.0	0.40	25.00	0.00
11	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
12	Fila 3	2500.0	18.30	0.00	1.00
13	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
14	Fila 4	2500.0	18.30	0.00	1.00
15	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
16	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	357.91	403.75	306.60
2	331.06	361.62	264.59
3	323.96	326.74	228.54
4	320.74	290.97	192.19
5	301.23	236.22	135.47
6	321.05	299.20	200.95
7	312.54	264.99	165.69
8	331.10	369.87	272.69
9	304.64	273.23	172.60
10	306.58	236.37	136.69
11	312.10	263.41	164.21

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	357.91	403.75	306.60	1.359	1
1	357.91	403.75	306.60	1.373	2
2	331.06	361.62	264.59	1.192	1
2	331.06	361.62	264.59	1.191	2
3	323.96	326.74	228.54	1.297	1
3	323.96	326.74	228.54	1.307	2
4	320.74	290.97	192.19	1.245	1
4	320.74	290.97	192.19	1.252	2
5	301.23	236.22	135.47	1.350	1
5	301.23	236.22	135.47	1.367	2
6	321.05	299.20	200.95	1.229	1
6	321.05	299.20	200.95	1.234	2
7	312.54	264.99	165.69	1.265	1
7	312.54	264.99	165.69	1.273	2
8	331.10	369.87	272.69	1.261	1
8	331.10	369.87	272.69	1.266	2
9	304.64	273.23	172.60	1.300	1
9	304.64	273.23	172.60	1.312	2
10	306.58	236.37	136.69	1.331	1
10	306.58	236.37	136.69	1.345	2
11	312.10	263.41	164.21	1.294	1
11	312.10	263.41	164.21	1.306	2

CERCHIO CRITICO N° 2

Larghezza del concio.....=0.443

Situazione di carico numero 2

Coefficiente di sicurezza F =1.191

Coefficiente di forma =0.11316

Coefficiente F/Fo =1.04949

Numero iterazioni = 2

Precisione =0.00058

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-38.89	0.569	0.120	19.6	217.1	-26.7
2	-38.77	0.568	0.120	19.6	650.4	-80.1
3	-38.64	0.568	0.008	19.6	957.2	-117.9
4	-38.52	0.567	0.008	19.6	1149.1	-141.5
5	-38.40	0.566	0.008	19.6	1340.2	-165.0
6	-38.28	0.565	0.008	19.6	1530.5	-188.5
7	-38.15	0.564	0.008	19.6	1719.9	-211.8
8	-38.03	0.563	0.008	19.6	1908.5	-235.0
9	-37.91	0.562	0.008	19.6	2096.3	-258.1
10	-37.79	0.561	0.008	19.6	2283.3	-281.2
11	-37.67	0.560	0.008	19.6	2469.4	-304.1
12	-37.55	0.559	0.008	19.6	2654.8	-326.9
13	-37.43	0.558	0.008	19.6	2839.3	-349.6
14	-37.31	0.557	0.008	19.6	3023.0	-372.3
15	-37.18	0.556	0.008	19.6	3205.9	-394.8

16	-37.06	0.555	0.008	19.6	3388.1	-417.2
17	-36.94	0.555	0.008	19.6	3569.4	-439.5
18	-36.82	0.554	0.008	19.6	3749.9	-461.8
19	-36.70	0.553	0.008	19.6	3929.7	-483.9
20	-36.58	0.552	0.008	19.6	4108.6	-505.9
21	-36.47	0.551	0.008	19.6	4286.8	-527.9
22	-36.35	0.550	0.008	19.6	4464.2	-549.7
23	-36.23	0.549	0.008	19.6	4640.9	-571.5
24	-36.11	0.549	0.008	19.6	4816.8	-593.1
25	-35.99	0.548	0.008	19.6	4991.9	-614.7
26	-35.87	0.547	0.008	19.6	5166.2	-636.2
27	-35.75	0.546	0.008	19.6	5339.8	-657.6
28	-35.63	0.545	0.008	19.6	5512.7	-678.8
29	-35.52	0.545	0.008	19.6	5684.8	-700.0
30	-35.40	0.544	0.008	19.6	5856.1	-721.1
31	-35.28	0.543	0.008	19.6	6026.7	-742.1
32	-35.16	0.542	0.008	19.6	6196.6	-763.1
33	-35.05	0.541	0.008	19.6	6365.7	-783.9
34	-34.93	0.541	0.008	19.6	6534.1	-804.6
35	-34.81	0.540	0.008	19.6	6701.7	-825.3
36	-34.69	0.539	0.008	19.6	6868.7	-845.8
37	-34.58	0.538	0.008	19.6	7034.9	-866.3
38	-34.46	0.538	0.008	19.6	7200.4	-886.7
39	-34.35	0.537	0.008	19.6	7365.1	-907.0
40	-34.23	0.536	0.008	19.6	7529.2	-927.2
41	-34.11	0.535	0.008	19.6	7692.5	-947.3
42	-34.00	0.535	0.008	19.6	7855.1	-967.3
43	-33.88	0.534	0.008	19.6	8017.0	-987.2
44	-33.77	0.533	0.008	19.6	8178.2	-1007.1
45	-33.65	0.532	0.008	19.6	8338.7	-1026.9
46	-33.54	0.532	0.008	19.6	8498.5	-1046.5
47	-33.42	0.531	0.008	19.6	8652.6	-1065.5
48	-33.31	0.530	0.008	19.6	8716.1	-1073.3
49	-33.19	0.530	0.008	19.6	8779.0	-1081.1
50	-33.08	0.529	0.008	19.6	8841.3	-1088.7
51	-32.96	0.528	0.008	19.6	8902.8	-1096.3
52	-32.85	0.528	0.008	19.6	8963.6	-1103.8
53	-32.73	0.527	0.008	19.6	9023.8	-1111.2
54	-32.62	0.526	0.008	19.6	9083.3	-1118.5
55	-32.50	0.526	0.008	19.6	9142.1	-1125.8
56	-32.39	0.525	0.008	19.6	9200.3	-1132.9
57	-32.28	0.524	0.008	19.6	9257.7	-1140.0
58	-32.16	0.524	0.008	19.6	9314.5	-1147.0
59	-32.05	0.523	0.008	19.6	9412.0	-1159.0
60	-31.94	0.522	0.008	19.6	9533.8	-1174.0
61	-31.82	0.522	0.008	19.6	9655.0	-1188.9
62	-31.71	0.521	0.008	19.6	9775.5	-1203.8
63	-31.60	0.520	0.008	19.6	9895.4	-1218.5
64	-31.49	0.520	0.008	19.6	10014.6	-1233.2
65	-31.37	0.519	0.008	19.6	10133.2	-1247.8
66	-31.26	0.519	0.008	19.6	10251.1	-1262.3
67	-31.15	0.518	0.008	19.6	10368.4	-1276.8
68	-31.04	0.517	0.008	19.6	10485.0	-1291.1
69	-30.92	0.517	0.008	19.6	10601.0	-1305.4
70	-30.81	0.516	0.008	19.6	10715.7	-1319.6
71	-30.70	0.515	0.008	19.6	10828.9	-1333.5
72	-30.59	0.515	0.008	19.6	10941.3	-1347.3
73	-30.48	0.514	0.008	19.6	11053.2	-1361.1
74	-30.37	0.514	0.008	19.6	11164.4	-1374.8
75	-30.26	0.513	0.008	19.6	11275.0	-1388.4
76	-30.14	0.513	0.008	19.6	11385.0	-1402.0
77	-30.03	0.512	0.008	19.6	11494.4	-1415.4
78	-29.92	0.511	0.008	19.6	11603.1	-1428.8
79	-29.81	0.511	0.008	19.6	11711.2	-1442.1
80	-29.70	0.510	0.008	19.6	11818.7	-1455.4
81	-29.59	0.510	0.008	19.6	11934.7	-1469.7
82	-29.48	0.509	0.008	19.6	12003.8	-1478.2
83	-29.37	0.509	0.008	19.6	12070.1	-1486.3
84	-29.26	0.508	0.008	19.6	12135.8	-1494.4
85	-29.15	0.508	0.008	19.6	12200.9	-1502.4
86	-29.04	0.507	0.008	19.6	12265.4	-1510.4

87	-28.93	0.506	0.008	19.6	12329.2	-1518.3
88	-28.82	0.506	0.008	19.6	12392.5	-1526.0
89	-28.71	0.505	0.008	19.6	12455.2	-1533.8
90	-28.60	0.505	0.008	19.6	12517.3	-1541.4
91	-28.49	0.504	0.008	19.6	12578.8	-1549.0
92	-28.39	0.504	0.008	19.6	12639.7	-1556.5
93	-28.28	0.503	0.008	19.6	12677.1	-1561.1
94	-28.17	0.503	0.008	19.6	12682.3	-1561.7
95	-28.06	0.502	0.008	19.6	12686.9	-1562.3
96	-27.95	0.502	0.008	19.6	12690.9	-1562.8
97	-27.84	0.501	0.008	19.6	12694.4	-1563.2
98	-27.73	0.501	0.008	19.6	12697.2	-1563.6
99	-27.62	0.500	0.008	19.6	12699.5	-1563.8
100	-27.52	0.500	0.008	19.6	12701.2	-1564.1
101	-27.41	0.499	0.008	19.6	12702.3	-1564.2
102	-27.30	0.499	0.008	19.6	12702.8	-1564.3
103	-27.19	0.498	0.008	19.6	12702.8	-1564.3
104	-27.08	0.498	0.008	19.6	12773.0	-1572.9
105	-26.98	0.497	0.008	19.6	12859.2	-1583.5
106	-26.87	0.497	0.008	19.6	12944.9	-1594.1
107	-26.76	0.496	0.008	19.6	13030.0	-1604.5
108	-26.65	0.496	0.008	19.6	13114.5	-1614.9
109	-26.55	0.495	0.008	19.6	13198.4	-1625.3
110	-26.44	0.495	0.008	19.6	13281.8	-1635.6
111	-26.33	0.495	0.008	19.6	13364.7	-1645.8
112	-26.22	0.494	0.008	19.6	13446.9	-1655.9
113	-26.12	0.494	0.008	19.6	13528.7	-1665.9
114	-26.01	0.493	0.000	11.3	13623.3	-1677.6
115	-25.90	0.493	0.000	11.3	13749.6	-1693.2
116	-25.80	0.492	0.000	11.3	13866.0	-1707.5
117	-25.69	0.492	0.000	11.3	13981.5	-1721.7
118	-25.58	0.491	0.000	11.3	14096.3	-1735.8
119	-25.48	0.491	0.000	11.3	14210.2	-1749.9
120	-25.37	0.491	0.200	15.0	14323.3	-1763.8
121	-25.27	0.490	0.200	15.0	14435.7	-1777.6
122	-25.16	0.490	0.200	15.0	14547.2	-1791.4
123	-25.05	0.489	0.200	15.0	14658.0	-1805.0
124	-24.95	0.489	0.200	15.0	14767.9	-1818.6
125	-24.84	0.488	0.200	15.0	14877.1	-1832.0
126	-24.74	0.488	0.200	15.0	14986.0	-1845.4
127	-24.63	0.488	0.200	15.0	15099.6	-1859.4
128	-24.52	0.487	0.200	15.0	15212.3	-1873.3
129	-24.42	0.487	0.200	15.0	15324.3	-1887.1
130	-24.31	0.486	0.200	15.0	15435.5	-1900.8
131	-24.21	0.486	0.200	15.0	15545.9	-1914.4
132	-24.10	0.486	0.200	15.0	15655.5	-1927.9
133	-24.00	0.485	0.200	15.0	15764.4	-1941.3
134	-23.89	0.485	0.200	15.0	15872.5	-1954.6
135	-23.79	0.484	0.200	15.0	15979.8	-1967.8
136	-23.68	0.484	0.200	15.0	16086.4	-1980.9
137	-23.58	0.484	0.200	15.0	16192.2	-1993.9
138	-23.47	0.483	0.200	15.0	16289.6	-2005.9
139	-23.37	0.483	0.200	15.0	16380.6	-2017.1
140	-23.26	0.482	0.200	15.0	16470.8	-2028.3
141	-23.16	0.482	0.200	15.0	16560.3	-2039.3
142	-23.06	0.482	0.200	15.0	16649.0	-2050.2
143	-22.95	0.481	0.200	15.0	16736.9	-2061.0
144	-22.85	0.481	0.200	15.0	16824.1	-2071.8
145	-22.74	0.481	0.200	15.0	16910.5	-2082.4
146	-22.64	0.480	0.200	15.0	16996.2	-2093.0
147	-22.54	0.480	0.200	15.0	17081.1	-2103.4
148	-22.43	0.480	0.200	15.0	17165.3	-2113.8
149	-22.33	0.479	0.200	15.0	17226.0	-2121.2
150	-22.22	0.479	0.200	15.0	17236.7	-2122.6
151	-22.12	0.478	0.200	15.0	17246.7	-2123.8
152	-22.02	0.478	0.200	15.0	17256.0	-2124.9
153	-21.91	0.478	0.200	15.0	17264.5	-2126.0
154	-21.81	0.477	0.200	15.0	17266.5	-2126.2
155	-21.71	0.477	0.200	15.0	17265.5	-2126.1
156	-21.60	0.477	0.200	15.0	17263.8	-2125.9
157	-21.50	0.476	0.200	15.0	17261.4	-2125.6

158	-21.40	0.476	0.200	15.0	17258.2	-2125.2
159	-21.29	0.476	0.200	15.0	17254.3	-2124.7
160	-21.19	0.475	0.200	15.0	17249.7	-2124.2
161	-21.09	0.475	0.200	15.0	17244.4	-2123.5
162	-20.99	0.475	0.200	15.0	17238.3	-2122.8
163	-20.88	0.474	0.200	15.0	17235.9	-2122.5
164	-20.78	0.474	0.200	15.0	17233.6	-2122.2
165	-20.68	0.474	0.200	15.0	17230.6	-2121.8
166	-20.58	0.473	0.200	15.0	17226.9	-2121.4
167	-20.47	0.473	0.200	15.0	17222.5	-2120.8
168	-20.37	0.473	0.200	15.0	17217.3	-2120.2
169	-20.27	0.472	0.200	15.0	17211.4	-2119.5
170	-20.17	0.472	0.200	15.0	17204.9	-2118.6
171	-20.06	0.472	0.200	15.0	17197.6	-2117.7
172	-19.96	0.472	0.200	15.0	17189.6	-2116.8
173	-19.86	0.471	0.200	15.0	17180.8	-2115.7
174	-19.76	0.471	0.200	15.0	17171.4	-2114.5
175	-19.66	0.471	0.200	15.0	17161.3	-2113.3
176	-19.55	0.470	0.200	15.0	17150.5	-2111.9
177	-19.45	0.470	0.200	15.0	17138.9	-2110.5
178	-19.35	0.470	0.200	15.0	17126.7	-2109.0
179	-19.25	0.469	0.200	15.0	17113.7	-2107.4
180	-19.15	0.469	0.200	15.0	17100.1	-2105.7
181	-19.04	0.469	0.200	15.0	17085.7	-2104.0
182	-18.94	0.469	0.200	15.0	17072.1	-2102.3
183	-18.84	0.468	0.200	15.0	17061.9	-2101.0
184	-18.74	0.468	0.200	15.0	17051.1	-2099.7
185	-18.64	0.468	0.200	15.0	17039.5	-2098.3
186	-18.54	0.467	0.200	15.0	17027.2	-2096.8
187	-18.44	0.467	0.200	15.0	17014.3	-2095.2
188	-18.34	0.467	0.200	15.0	17000.7	-2093.5
189	-18.23	0.467	0.200	15.0	16986.3	-2091.7
190	-18.13	0.466	0.200	15.0	16971.3	-2089.9
191	-18.03	0.466	0.200	15.0	16955.6	-2088.0
192	-17.93	0.466	0.200	15.0	16939.2	-2085.9
193	-17.83	0.466	0.200	15.0	16922.2	-2083.8
194	-17.73	0.465	0.200	15.0	16904.4	-2081.6
195	-17.63	0.465	0.200	15.0	16886.0	-2079.4
196	-17.53	0.465	0.200	15.0	16866.9	-2077.0
197	-17.43	0.465	0.200	15.0	16847.1	-2074.6
198	-17.33	0.464	0.200	15.0	16826.6	-2072.1
199	-17.23	0.464	0.200	15.0	16805.5	-2069.5
200	-17.13	0.464	0.200	15.0	16783.6	-2066.8
201	-17.03	0.464	0.200	15.0	16761.1	-2064.0
202	-16.93	0.463	0.200	15.0	16738.0	-2061.2
203	-16.82	0.463	0.200	15.0	16714.1	-2058.2
204	-16.72	0.463	0.200	15.0	16689.6	-2055.2
205	-16.62	0.463	0.200	15.0	16704.6	-2057.0
206	-16.53	0.462	0.200	15.0	16724.8	-2059.5
207	-16.42	0.462	0.200	15.0	16744.3	-2061.9
208	-16.32	0.462	0.200	15.0	16763.2	-2064.3
209	-16.22	0.462	0.200	15.0	16781.3	-2066.5
210	-16.12	0.461	0.200	15.0	16798.8	-2068.6
211	-16.02	0.461	0.200	15.0	16815.7	-2070.7
212	-15.92	0.461	0.200	15.0	16831.9	-2072.7
213	-15.82	0.461	0.200	15.0	16847.4	-2074.6
214	-15.73	0.460	0.200	15.0	16862.2	-2076.5
215	-15.62	0.460	0.200	15.0	16876.5	-2078.2
216	-15.53	0.460	0.200	15.0	16901.5	-2081.3
217	-15.43	0.460	0.200	15.0	16932.5	-2085.1
218	-15.33	0.460	0.200	15.0	16962.8	-2088.8
219	-15.23	0.459	0.200	15.0	16992.5	-2092.5
220	-15.13	0.459	0.200	15.0	17021.4	-2096.1
221	-15.03	0.459	0.200	15.0	17217.4	-2120.2
222	-14.93	0.459	0.200	15.0	17124.1	-2108.7
223	-14.83	0.459	0.200	15.0	17030.1	-2097.1
224	-14.73	0.458	0.200	15.0	16935.4	-2085.5
225	-14.63	0.458	0.200	15.0	16840.2	-2073.7
226	-14.53	0.458	0.200	15.0	16744.2	-2061.9
227	-14.43	0.458	0.200	15.0	16647.6	-2050.0
228	-14.33	0.457	0.200	15.0	16676.1	-2053.5

229	-14.23	0.457	0.200	15.0	16746.1	-2062.2
230	-14.14	0.457	0.200	15.0	16815.5	-2070.7
231	-14.04	0.457	0.200	15.0	16884.2	-2079.2
232	-13.94	0.457	0.200	15.0	16952.3	-2087.5
233	-13.84	0.456	0.200	15.0	17019.8	-2095.9
234	-13.74	0.456	0.200	15.0	17086.6	-2104.1
235	-13.64	0.456	0.200	15.0	17152.7	-2112.2
236	-13.54	0.456	0.200	15.0	17218.3	-2120.3
237	-13.44	0.456	0.200	15.0	17283.1	-2128.3
238	-13.34	0.456	0.200	15.0	17347.4	-2136.2
239	-13.25	0.455	0.200	15.0	17411.0	-2144.0
240	-13.15	0.455	0.200	15.0	17473.9	-2151.8
241	-13.05	0.455	0.200	15.0	17536.2	-2159.5
242	-12.95	0.455	0.200	15.0	17597.9	-2167.0
243	-12.85	0.455	0.200	15.0	17659.0	-2174.6
244	-12.75	0.454	0.200	15.0	17719.4	-2182.0
245	-12.66	0.454	0.200	15.0	17779.2	-2189.4
246	-12.56	0.454	0.200	15.0	17838.3	-2196.7
247	-12.46	0.454	0.200	15.0	17896.8	-2203.9
248	-12.36	0.454	0.200	15.0	17954.7	-2211.0
249	-12.26	0.454	0.200	15.0	18011.9	-2218.0
250	-12.16	0.453	0.200	15.0	18068.6	-2225.0
251	-12.07	0.453	0.200	15.0	18115.6	-2230.8
252	-11.97	0.453	0.176	14.5	18111.5	-2230.3
253	-11.87	0.453	0.176	14.5	18106.8	-2229.7
254	-11.77	0.453	0.176	14.5	18101.4	-2229.0
255	-11.67	0.453	0.176	14.5	18095.4	-2228.3
256	-11.58	0.452	0.176	14.5	18088.7	-2227.5
257	-11.48	0.452	0.176	14.5	18081.5	-2226.6
258	-11.38	0.452	0.176	14.5	18073.6	-2225.6
259	-11.28	0.452	0.176	14.5	18065.1	-2224.6
260	-11.18	0.452	0.176	14.5	18056.0	-2223.5
261	-11.09	0.452	0.176	14.5	18046.2	-2222.3
262	-10.99	0.452	0.176	14.5	18075.4	-2225.8
263	-10.89	0.451	18.300	0.0	23872.9	-2939.8
264	-10.79	0.451	0.176	14.5	18210.7	-2242.5
265	-10.70	0.451	0.176	14.5	18277.5	-2250.7
266	-10.60	0.451	0.176	14.5	18246.0	-2246.9
267	-10.50	0.451	0.176	14.5	18064.8	-2224.5
268	-10.40	0.451	0.176	14.5	17882.9	-2202.1
269	-10.30	0.451	0.176	14.5	17847.9	-2197.8
270	-10.21	0.450	0.176	14.5	17911.6	-2205.7
271	-10.11	0.450	18.300	0.0	23650.8	-2912.4
272	-10.01	0.450	0.176	14.5	18037.0	-2221.1
273	-9.91	0.450	0.176	14.5	18098.7	-2228.7
274	-9.82	0.450	0.176	14.5	18159.9	-2236.3
275	-9.72	0.450	0.176	14.5	18220.4	-2243.7
276	-9.62	0.450	0.176	14.5	18280.4	-2251.1
277	-9.53	0.449	0.176	14.5	18339.7	-2258.4
278	-9.43	0.449	0.176	14.5	18398.4	-2265.6
279	-9.33	0.449	0.176	14.5	18398.7	-2265.7
280	-9.23	0.449	0.176	14.5	18238.3	-2245.9
281	-9.14	0.449	0.176	14.5	18077.2	-2226.1
282	-9.04	0.449	0.176	14.5	17915.5	-2206.2
283	-8.94	0.449	0.176	14.5	17753.3	-2186.2
284	-8.84	0.449	0.176	14.5	17590.4	-2166.1
285	-8.75	0.448	0.176	14.5	17426.9	-2146.0
286	-8.65	0.448	0.176	14.5	17262.8	-2125.8
287	-8.55	0.448	0.176	14.5	17098.1	-2105.5
288	-8.46	0.448	0.176	14.5	16932.7	-2085.1
289	-8.36	0.448	0.176	14.5	16766.8	-2064.7
290	-8.26	0.448	0.176	14.5	16600.3	-2044.2
291	-8.16	0.448	0.176	14.5	16433.1	-2023.6
292	-8.07	0.448	0.176	14.5	16265.4	-2003.0
293	-7.97	0.448	0.176	14.5	16216.7	-1997.0
294	-7.87	0.447	0.176	14.5	16170.3	-1991.2
295	-7.78	0.447	0.176	14.5	16123.3	-1985.5
296	-7.68	0.447	0.176	14.5	16075.7	-1979.6
297	-7.58	0.447	0.176	14.5	16027.4	-1973.7
298	-7.49	0.447	0.176	14.5	15978.6	-1967.6
299	-7.39	0.447	0.176	14.5	15929.2	-1961.6

300	-7.29	0.447	0.176	14.5	15879.2	-1955.4
301	-7.20	0.447	0.176	14.5	15828.5	-1949.2
302	-7.10	0.447	0.176	14.5	15777.3	-1942.8
303	-7.00	0.447	0.176	14.5	15725.4	-1936.5
304	-6.91	0.446	0.176	14.5	15673.0	-1930.0
305	-6.81	0.446	0.176	14.5	15619.9	-1923.5
306	-6.71	0.446	0.176	14.5	15566.3	-1916.9
307	-6.62	0.446	0.176	14.5	15512.0	-1910.2
308	-6.52	0.446	0.176	14.5	15504.8	-1909.3
309	-6.42	0.446	0.176	14.5	15544.7	-1914.2
310	-6.33	0.446	18.300	0.0	20505.3	-2525.1
311	-6.23	0.446	0.176	14.5	15622.7	-1923.8
312	-6.13	0.446	0.176	14.5	15512.5	-1910.2
313	-6.04	0.446	0.176	14.5	14669.0	-1806.4
314	-5.94	0.446	0.200	15.0	13825.0	-1702.4
315	-5.84	0.446	18.300	0.0	18215.1	-2243.0
316	-5.75	0.445	18.300	0.0	18261.7	-2248.8
317	-5.65	0.445	18.300	0.0	18307.5	-2254.4
318	-5.55	0.445	0.200	15.0	13948.0	-1717.6
319	-5.46	0.445	0.200	15.0	13981.6	-1721.7
320	-5.36	0.445	0.200	15.0	14014.7	-1725.8
321	-5.27	0.445	0.200	15.0	14047.1	-1729.8
322	-5.17	0.445	0.200	15.0	14079.0	-1733.7
323	-5.07	0.445	0.200	15.0	14110.2	-1737.6
324	-4.98	0.445	0.200	15.0	14140.9	-1741.3
325	-4.88	0.445	0.200	15.0	14171.0	-1745.0
326	-4.78	0.445	0.176	14.5	14200.4	-1748.7
327	-4.69	0.445	0.176	14.5	14229.3	-1752.2
328	-4.59	0.445	0.176	14.5	14257.6	-1755.7
329	-4.49	0.445	0.176	14.5	14285.3	-1759.1
330	-4.40	0.445	0.176	14.5	14312.4	-1762.5
331	-4.30	0.444	0.176	14.5	14338.9	-1765.7
332	-4.21	0.444	0.176	14.5	14364.8	-1768.9
333	-4.11	0.444	0.176	14.5	14390.1	-1772.0
334	-4.01	0.444	0.176	14.5	14414.8	-1775.1
335	-3.92	0.444	0.176	14.5	14438.9	-1778.0
336	-3.82	0.444	0.176	14.5	14462.4	-1780.9
337	-3.73	0.444	0.176	14.5	14485.4	-1783.8
338	-3.63	0.444	0.176	14.5	14507.7	-1786.5
339	-3.53	0.444	0.176	14.5	14529.5	-1789.2
340	-3.44	0.444	0.176	14.5	14550.6	-1791.8
341	-3.34	0.444	0.176	14.5	14571.2	-1794.3
342	-3.25	0.444	0.176	14.5	14591.2	-1796.8
343	-3.15	0.444	0.176	14.5	14610.6	-1799.2
344	-3.05	0.444	0.176	14.5	14629.3	-1801.5
345	-2.96	0.444	0.176	14.5	14647.5	-1803.7
346	-2.86	0.444	0.176	14.5	14129.7	-1740.0
347	-2.76	0.444	0.200	15.0	13755.7	-1693.9
348	-2.67	0.444	0.200	15.0	13756.6	-1694.0
349	-2.57	0.444	0.200	15.0	13756.9	-1694.1
350	-2.48	0.444	0.200	15.0	13756.7	-1694.0
351	-2.38	0.444	0.200	15.0	13755.8	-1693.9
352	-2.28	0.444	0.200	15.0	13754.4	-1693.7
353	-2.19	0.444	0.200	15.0	13752.3	-1693.5
354	-2.09	0.444	0.200	15.0	13749.7	-1693.2
355	-2.00	0.444	0.200	15.0	13746.5	-1692.8
356	-1.90	0.443	0.200	15.0	13742.7	-1692.3
357	-1.80	0.443	0.200	15.0	13738.3	-1691.8
358	-1.71	0.443	0.200	15.0	13733.3	-1691.1
359	-1.61	0.443	0.200	15.0	13727.7	-1690.5
360	-1.51	0.443	0.200	15.0	13721.6	-1689.7
361	-1.42	0.443	0.200	15.0	13714.8	-1688.9
362	-1.32	0.443	0.200	15.0	13707.5	-1688.0
363	-1.23	0.443	0.200	15.0	13699.5	-1687.0
364	-1.13	0.443	0.200	15.0	13691.0	-1685.9
365	-1.04	0.443	0.200	15.0	13681.9	-1684.8
366	-0.94	0.443	0.200	15.0	13672.2	-1683.6
367	-0.84	0.443	0.200	15.0	13661.9	-1682.4
368	-0.75	0.443	0.200	15.0	13651.0	-1681.0
369	-0.65	0.443	0.200	15.0	13639.5	-1679.6
370	-0.56	0.443	0.200	15.0	13627.5	-1678.1

371	-0.46	0.443	0.200	15.0	13614.8	-1676.6
372	-0.36	0.443	0.200	15.0	13601.6	-1674.9
373	-0.27	0.443	0.200	15.0	13587.8	-1673.2
374	-0.17	0.443	0.200	15.0	13573.4	-1671.5
375	-0.07	0.443	0.200	15.0	13558.4	-1669.6
376	0.02	0.443	0.200	15.0	13542.8	-1667.7
377	0.12	0.443	0.200	15.0	13526.6	-1665.7
378	0.21	0.443	0.200	15.0	13408.8	-1651.2
379	0.31	0.443	0.200	15.0	13251.0	-1631.8
380	0.41	0.443	0.200	15.0	13092.7	-1612.3
381	0.50	0.443	0.200	15.0	12933.8	-1592.7
382	0.60	0.443	0.200	15.0	12774.3	-1573.1
383	0.69	0.443	0.200	15.0	12614.2	-1553.3
384	0.79	0.443	0.200	15.0	12453.5	-1533.6
385	0.88	0.443	0.200	15.0	12292.2	-1513.7
386	0.98	0.443	0.200	15.0	12130.4	-1493.8
387	1.08	0.443	0.200	15.0	11967.9	-1473.8
388	1.17	0.443	0.200	15.0	11804.9	-1453.7
389	1.27	0.443	0.200	15.0	11641.2	-1433.5
390	1.36	0.443	0.200	15.0	11514.3	-1417.9
391	1.46	0.443	0.200	15.0	11437.5	-1408.4
392	1.56	0.443	0.200	15.0	11360.0	-1398.9
393	1.65	0.443	0.200	15.0	11282.0	-1389.3
394	1.75	0.443	0.200	15.0	11203.4	-1379.6
395	1.84	0.443	0.200	15.0	11124.2	-1369.9
396	1.94	0.443	0.200	15.0	11044.5	-1360.0
397	2.04	0.444	0.200	15.0	10964.1	-1350.1
398	2.13	0.444	0.200	15.0	10883.1	-1340.2
399	2.23	0.444	0.200	15.0	10801.6	-1330.1
400	2.33	0.444	0.200	15.0	10719.4	-1320.0
401	2.42	0.444	0.200	15.0	10636.7	-1309.8
402	2.52	0.444	0.200	15.0	10553.4	-1299.6
403	2.61	0.444	0.200	15.0	10469.5	-1289.2
404	2.71	0.444	0.200	15.0	10384.9	-1278.8
405	2.81	0.444	0.200	15.0	10299.9	-1268.3
406	2.90	0.444	0.200	15.0	10214.2	-1257.8
407	3.00	0.444	0.200	15.0	10127.9	-1247.2
408	3.09	0.444	0.200	15.0	10058.6	-1238.6
409	3.19	0.444	0.200	15.0	9991.9	-1230.4
410	3.29	0.444	0.200	15.0	9924.6	-1222.1
411	3.38	0.444	0.200	15.0	9856.7	-1213.8
412	3.48	0.444	0.200	15.0	9788.2	-1205.3
413	3.57	0.444	0.200	15.0	9719.2	-1196.8
414	3.67	0.444	0.200	15.0	9649.5	-1188.3
415	3.77	0.444	0.200	15.0	9579.2	-1179.6
416	3.86	0.444	0.200	15.0	9480.9	-1167.5
417	3.96	0.444	0.200	15.0	9375.9	-1154.6
418	4.06	0.444	0.200	15.0	9270.3	-1141.6
419	4.15	0.444	0.200	15.0	9164.1	-1128.5
420	4.25	0.444	0.200	15.0	9057.3	-1115.3
421	4.34	0.445	0.200	15.0	8949.9	-1102.1
422	4.44	0.445	0.200	15.0	8841.9	-1088.8
423	4.54	0.445	0.200	15.0	8733.3	-1075.4
424	4.63	0.445	0.200	15.0	8624.2	-1062.0
425	4.73	0.445	0.200	15.0	8514.4	-1048.5
426	4.83	0.445	0.200	15.0	8404.0	-1034.9
427	4.92	0.445	0.200	15.0	8293.1	-1021.2
428	5.02	0.445	0.200	15.0	8181.5	-1007.5
429	5.11	0.445	0.200	15.0	8069.4	-993.7
430	5.21	0.445	0.200	15.0	8024.2	-988.1
431	5.31	0.445	0.200	15.0	7994.5	-984.5
432	5.40	0.445	0.200	15.0	7964.1	-980.7
433	5.50	0.445	0.200	15.0	7933.2	-976.9
434	5.60	0.445	0.200	15.0	7901.7	-973.0
435	5.69	0.445	0.200	15.0	7869.6	-969.1
436	5.79	0.446	0.200	15.0	7772.6	-957.1
437	5.89	0.446	0.200	15.0	7661.6	-943.5
438	5.98	0.446	0.200	15.0	7550.1	-929.7
439	6.08	0.446	0.200	15.0	7438.0	-915.9
440	6.18	0.446	0.200	15.0	7325.2	-902.0
441	6.27	0.446	0.200	15.0	7211.9	-888.1

442	6.37	0.446	0.200	15.0	7098.0	-874.1
443	6.47	0.446	0.200	15.0	6983.5	-860.0
444	6.56	0.446	0.200	15.0	6868.3	-845.8
445	6.66	0.446	0.200	15.0	6752.6	-831.5
446	6.75	0.446	0.200	15.0	6636.3	-817.2
447	6.85	0.446	0.200	15.0	6519.3	-802.8
448	6.95	0.447	0.200	15.0	6435.0	-792.4
449	7.05	0.447	0.200	15.0	6376.6	-785.2
450	7.14	0.447	0.200	15.0	6317.7	-778.0
451	7.24	0.447	0.200	15.0	6258.1	-770.6
452	7.34	0.447	0.200	15.0	6176.9	-760.6
453	7.43	0.447	0.200	15.0	6061.0	-746.4
454	7.53	0.447	0.200	15.0	5944.5	-732.0
455	7.63	0.447	0.200	15.0	5827.4	-717.6
456	7.72	0.447	0.200	15.0	5709.7	-703.1
457	7.82	0.447	0.200	15.0	5591.3	-688.5
458	7.92	0.448	0.200	15.0	5472.4	-673.9
459	8.01	0.448	0.200	15.0	5352.9	-659.2
460	8.11	0.448	0.200	15.0	5232.8	-644.4
461	8.21	0.448	0.200	15.0	5112.0	-629.5
462	8.30	0.448	0.200	15.0	4990.7	-614.6
463	8.40	0.448	0.200	15.0	4868.7	-599.5
464	8.50	0.448	0.200	15.0	4746.2	-584.5
465	8.59	0.448	0.200	15.0	4623.0	-569.3
466	8.69	0.448	0.200	15.0	4499.2	-554.0
467	8.79	0.449	0.200	15.0	4374.8	-538.7
468	8.89	0.449	0.200	15.0	4249.8	-523.3
469	8.98	0.449	0.200	15.0	4124.2	-507.9
470	9.08	0.449	0.200	15.0	3998.0	-492.3
471	9.18	0.449	0.200	15.0	3871.1	-476.7
472	9.28	0.449	0.200	15.0	3743.7	-461.0
473	9.37	0.449	0.200	15.0	3615.6	-445.2
474	9.47	0.449	0.200	15.0	3486.9	-429.4
475	9.57	0.449	0.200	15.0	3357.6	-413.5
476	9.66	0.450	0.200	15.0	3227.7	-397.5
477	9.76	0.450	0.200	15.0	3097.2	-381.4
478	9.86	0.450	0.200	15.0	2966.1	-365.2
479	9.96	0.450	0.200	15.0	2834.3	-349.0
480	10.05	0.450	0.200	15.0	2701.9	-332.7
481	10.15	0.450	0.200	15.0	2569.0	-316.3
482	10.25	0.450	0.200	15.0	2435.4	-299.9
483	10.35	0.451	0.200	15.0	2301.1	-283.4
484	10.45	0.451	0.200	15.0	2166.3	-266.8
485	10.54	0.451	0.200	15.0	2030.8	-250.1
486	10.64	0.451	0.200	15.0	1894.8	-233.3
487	10.74	0.451	0.200	15.0	1758.1	-216.5
488	10.83	0.451	0.200	15.0	1630.0	-200.7
489	10.93	0.451	0.200	15.0	1507.0	-185.6
490	11.03	0.452	0.200	15.0	1383.3	-170.3
491	11.13	0.452	0.200	15.0	1259.0	-155.0
492	11.23	0.452	0.200	15.0	1134.0	-139.6
493	11.32	0.452	0.200	15.0	1008.5	-124.2
494	11.42	0.452	0.200	15.0	882.3	-108.6
495	11.52	0.452	0.200	15.0	755.5	-93.0
496	11.62	0.453	0.200	15.0	628.1	-77.3
497	11.72	0.453	0.200	15.0	500.0	-61.6
498	11.81	0.453	0.200	15.0	371.3	-45.7
499	11.91	0.453	0.200	15.0	233.8	-28.8
500	12.01	0.453	0.200	15.0	78.1	-9.6

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-5.1	654.9	1110.6	842.1	-201.9
2	298.8	372.8	1192.1	1052.6	-602.5
3	-356.1	821.2	1109.7	517.5	-883.2
4	-636.2	1365.0	992.0	609.9	-1056.3
5	-1054.7	2002.9	1206.8	701.5	-1227.3
6	-1632.9	2733.4	1435.3	792.2	-1396.1

7	-2391.7	3555.3	1677.2	882.1	-1563.0
8	-3351.7	4467.3	1932.4	971.1	-1727.9
9	-4533.1	5467.9	2200.6	1059.3	-1890.7
10	-5955.6	6556.0	2481.7	1146.7	-2051.6
11	-7638.5	7730.2	2775.1	1233.3	-2210.5
12	-9600.8	8989.3	3081.0	1319.1	-2367.4
13	-11861.2	10332.0	3399.0	1404.1	-2522.5
14	-14437.6	11757.1	3728.7	1488.3	-2675.6
15	-17348.0	13263.3	4070.1	1571.8	-2826.8
16	-20609.8	14849.3	4423.2	1654.5	-2976.2
17	-24239.9	16514.0	4787.1	1736.4	-3123.7
18	-28255.1	18256.2	5162.3	1817.7	-3269.6
19	-32671.8	20074.6	5548.1	1898.2	-3413.4
20	-37506.1	21968.2	5944.8	1978.0	-3555.6
21	-42773.1	23935.6	6351.4	2057.1	-3695.9
22	-48488.4	25975.9	6768.4	2135.5	-3834.6
23	-54667.1	28087.7	7195.6	2213.2	-3971.5
24	-61323.2	30269.9	7632.0	2290.2	-4106.6
25	-68471.3	32521.4	8078.2	2366.6	-4240.1
26	-76125.8	34841.3	8534.1	2442.3	-4372.0
27	-84299.3	37228.2	8998.6	2517.3	-4502.1
28	-93005.1	39681.0	9472.0	2591.7	-4630.4
29	-102256.7	42198.7	9954.5	2665.4	-4757.3
30	-112067.0	44780.3	10445.8	2738.5	-4882.6
31	-122447.4	47424.7	10944.9	2811.1	-5006.4
32	-133409.8	50130.6	11452.1	2882.9	-5128.3
33	-144967.4	52897.3	11968.2	2954.2	-5248.9
34	-157129.3	55723.6	12490.9	3024.8	-5367.8
35	-169907.8	58608.3	13021.8	3094.8	-5485.2
36	-183313.3	61550.6	13559.9	3164.3	-5601.0
37	-197357.4	64549.3	14106.1	3233.2	-5715.5
38	-212048.5	67603.6	14658.1	3301.5	-5828.4
39	-227396.8	70712.3	15217.3	3369.2	-5939.7
40	-243413.4	73874.6	15784.1	3436.4	-6049.7
41	-260104.8	77089.1	16355.7	3502.9	-6157.9
42	-277482.1	80355.3	16934.9	3569.1	-6265.1
43	-295554.8	83672.0	17520.8	3634.6	-6370.7
44	-314328.9	87038.4	18111.1	3699.6	-6474.9
45	-333814.3	90453.5	18708.3	3764.1	-6577.9
46	-354017.3	93916.2	19310.2	3827.9	-6679.1
47	-367902.7	97423.5	15188.6	3889.1	-6775.1
48	-375616.0	100938.1	11098.1	3910.0	-6800.0
49	-383030.0	104459.5	10947.2	3930.5	-6824.0
50	-390141.7	107987.1	10793.5	3950.6	-6847.1
51	-396946.0	111520.2	10635.9	3970.4	-6869.3
52	-403442.3	115058.6	10477.0	3989.9	-6890.9
53	-409627.9	118601.8	10315.6	4009.0	-6911.7
54	-415500.4	122149.0	10151.9	4027.8	-6931.6
55	-421058.3	125700.2	9986.4	4046.3	-6951.0
56	-426299.8	129254.8	9819.0	4064.6	-6969.9
57	-431222.4	132812.2	9649.1	4082.4	-6987.6
58	-437701.1	136371.9	10746.6	4099.8	-7004.5
59	-454253.4	139949.4	17636.3	4135.0	-7051.9
60	-471280.1	143553.5	18052.3	4180.6	-7116.9
61	-488657.6	147183.8	18384.5	4225.9	-7181.1
62	-506388.0	150839.2	18718.3	4270.7	-7243.8
63	-524472.2	154519.5	19052.4	4315.2	-7306.1
64	-542911.7	158223.5	19387.6	4359.2	-7366.9
65	-561703.6	161950.8	19720.9	4402.9	-7426.9
66	-580849.6	165700.7	20055.2	4446.2	-7485.8
67	-600349.4	169472.4	20389.4	4489.0	-7543.6
68	-620204.1	173265.3	20724.0	4531.6	-7600.6
69	-640412.3	177078.6	21058.0	4573.7	-7656.2
70	-660972.2	180911.4	21390.2	4615.2	-7710.7
71	-681876.8	184763.0	21716.7	4655.9	-7763.8
72	-703133.6	188632.7	22048.4	4696.3	-7815.8
73	-724739.9	192519.5	22378.4	4736.3	-7866.4
74	-746700.0	196423.2	22711.1	4776.0	-7916.7
75	-769007.1	200342.9	23039.1	4815.2	-7965.7
76	-791662.4	204277.9	23368.1	4854.1	-8013.6
77	-814668.3	208227.6	23698.5	4892.7	-8060.9

78	-838019.5	212191.6	24025.3	4931.0	-8107.2
79	-861716.8	216169.0	24352.7	4968.9	-8152.5
80	-885763.7	220159.8	24682.0	5006.6	-8197.6
81	-904327.6	224166.2	21012.4	5047.7	-8247.7
82	-915825.7	228171.8	16218.3	5069.0	-8264.8
83	-927156.2	232175.0	16159.2	5089.0	-8279.3
84	-938334.1	236176.1	16109.9	5108.9	-8293.8
85	-949352.2	240174.5	16055.0	5128.6	-8307.7
86	-960214.1	244169.8	16002.2	5147.9	-8320.8
87	-970916.9	248161.7	15946.7	5167.1	-8333.5
88	-981454.3	252149.4	15886.6	5185.9	-8345.2
89	-991829.3	256132.9	15827.9	5204.5	-8356.5
90	-1002042.3	260111.3	15769.1	5222.7	-8366.7
91	-1012087.3	264084.9	15705.4	5240.8	-8377.1
92	-1021966.8	268053.1	15643.0	5258.6	-8386.7
93	-1013647.0	272007.9	3084.3	5266.7	-8380.1
94	-1003183.7	275939.5	1605.5	5261.5	-8352.6
95	-991953.7	279847.5	1078.5	5256.2	-8324.6
96	-979966.2	283732.1	556.8	5250.7	-8296.4
97	-967233.5	287592.8	42.5	5245.0	-8267.9
98	-953747.9	291429.6	-478.1	5239.1	-8238.9
99	-939524.9	295242.3	-989.1	5233.1	-8209.8
100	-924565.1	299030.7	-1500.7	5226.8	-8180.3
101	-908883.0	302794.9	-2003.2	5220.4	-8150.6
102	-892472.0	306534.5	-2511.3	5213.8	-8120.6
103	-885990.9	310249.4	4401.9	5207.0	-8090.1
104	-903424.0	313960.4	21116.9	5228.9	-8104.5
105	-921097.0	317671.9	21357.2	5257.2	-8128.9
106	-938929.8	321383.3	21541.7	5285.2	-8152.3
107	-956927.3	325094.4	21729.1	5313.0	-8175.4
108	-975074.0	328804.5	21905.7	5340.5	-8197.5
109	-993379.1	332513.3	22088.4	5367.8	-8219.1
110	-1011838.0	336220.2	22267.8	5394.8	-8239.9
111	-1030444.3	339924.8	22442.4	5421.6	-8260.0
112	-1049205.4	343626.8	22621.9	5448.1	-8279.8
113	-1068115.3	347325.7	22797.2	5474.4	-8298.7
114	-1127206.6	352914.3	30299.2	3257.1	-8325.4
115	-1152784.4	358526.9	16393.1	3282.6	-8370.8
116	-1178594.8	364159.0	16544.4	3305.6	-8409.7
117	-1204713.7	369810.1	16727.2	3328.4	-8447.7
118	-1231122.6	375479.2	16902.0	3351.0	-8484.8
119	-1257829.9	381165.8	17080.2	3373.4	-8521.1
120	-1246844.7	385133.3	3630.5	5461.3	-8556.4
121	-1268501.6	389111.8	21531.7	5489.2	-8590.7
122	-1290362.8	393100.7	21714.2	5516.7	-8624.3
123	-1312418.6	397099.1	21891.3	5543.9	-8656.7
124	-1334674.2	401106.7	22070.8	5571.0	-8688.5
125	-1357127.2	405122.5	22248.7	5597.6	-8719.2
126	-1379772.6	409146.3	22424.0	5624.3	-8749.5
127	-1402655.5	413179.2	22626.5	5652.3	-8782.3
128	-1425735.7	417220.4	22806.8	5680.0	-8813.8
129	-1449005.1	421269.4	22982.3	5707.5	-8844.7
130	-1472479.0	425325.6	23165.9	5734.8	-8874.8
131	-1496134.8	429388.0	23336.9	5761.6	-8903.5
132	-1519979.7	433456.4	23511.5	5788.4	-8932.1
133	-1544018.7	437530.0	23688.5	5814.8	-8959.5
134	-1568243.9	441608.1	23861.0	5841.0	-8986.0
135	-1592654.3	445690.5	24032.5	5867.0	-9012.1
136	-1617242.4	449776.0	24199.7	5892.6	-9036.7
137	-1636912.3	453864.4	21561.5	5918.0	-9061.0
138	-1646317.2	457952.7	15971.8	5940.9	-9080.2
139	-1655582.9	462038.7	15952.4	5961.9	-9095.4
140	-1664735.6	466121.7	15946.9	5982.5	-9109.8
141	-1673777.2	470201.3	15942.0	6003.0	-9123.6
142	-1682697.5	474276.8	15931.1	6023.2	-9136.4
143	-1691503.1	478347.9	15923.3	6043.2	-9148.9
144	-1700199.0	482413.9	15918.0	6062.9	-9160.4
145	-1708767.4	486474.5	15902.2	6082.5	-9171.3
146	-1717219.2	490529.1	15892.2	6101.8	-9181.5
147	-1725549.6	494577.0	15878.9	6120.8	-9191.0
148	-1733756.1	498618.1	15863.9	6139.7	-9199.9

149	-1699121.4	502645.2	-7802.7	6151.5	-9195.9
150	-1660629.2	506644.2	-9935.7	6148.4	-9165.2
151	-1621235.2	510615.1	-10433.9	6145.2	-9134.3
152	-1580966.2	514557.2	-10918.2	6141.7	-9102.7
153	-1539821.5	518470.6	-11403.6	6138.0	-9070.9
154	-1497775.6	522353.7	-11907.2	6132.6	-9036.0
155	-1454855.3	526205.4	-12398.0	6126.2	-8999.2
156	-1411082.2	530025.7	-12877.6	6119.7	-8962.4
157	-1366466.0	533814.4	-13352.7	6113.0	-8925.2
158	-1321015.6	537571.3	-13823.7	6106.2	-8887.6
159	-1274739.4	541296.4	-14290.6	6099.2	-8849.9
160	-1227648.4	544989.3	-14752.5	6092.0	-8811.6
161	-1179750.5	548650.2	-15210.4	6084.7	-8773.6
162	-1131057.7	552278.7	-15662.7	6077.2	-8734.9
163	-1081602.0	555876.0	-16095.4	6070.9	-8698.4
164	-1031375.4	559441.9	-16532.9	6064.6	-8661.6
165	-980382.6	562976.3	-16968.6	6058.2	-8624.8
166	-928629.9	566479.4	-17401.4	6051.7	-8588.0
167	-876133.1	569950.6	-17826.2	6044.9	-8550.5
168	-822896.3	573390.1	-18249.4	6038.1	-8513.0
169	-768931.2	576797.7	-18667.0	6031.0	-8475.1
170	-714241.0	580173.1	-19083.3	6023.8	-8436.9
171	-658855.5	583516.2	-19483.9	6016.4	-8398.4
172	-602759.8	586827.4	-19893.3	6009.0	-8360.2
173	-545976.9	590106.2	-20290.7	6001.3	-8321.3
174	-488514.1	593352.4	-20684.8	5993.5	-8282.2
175	-430381.2	596565.8	-21074.1	5985.5	-8242.7
176	-371586.8	599746.4	-21459.3	5977.3	-8203.0
177	-312141.0	602894.2	-21839.5	5969.0	-8163.3
178	-252056.2	606009.0	-22213.4	5960.6	-8123.2
179	-191340.0	609090.8	-22583.8	5952.0	-8082.9
180	-129995.4	612139.6	-22953.1	5943.3	-8042.6
181	-68053.9	615155.3	-23305.5	5934.4	-8002.1
182	-7501.7	618138.0	-22543.2	5925.8	-7961.9
183	52935.7	621088.4	-22493.8	5918.2	-7923.1
184	113939.1	624006.4	-22827.1	5910.4	-7884.3
185	175492.6	626892.3	-23152.1	5902.6	-7845.5
186	237582.3	629745.8	-23469.9	5894.6	-7806.4
187	300200.0	632566.9	-23783.7	5886.4	-7767.1
188	363329.3	635355.4	-24088.9	5878.1	-7727.5
189	426977.8	638111.4	-24399.0	5869.6	-7688.0
190	491122.3	640834.6	-24696.7	5861.0	-7647.9
191	555749.3	643524.9	-24987.5	5852.2	-7607.5
192	620873.8	646182.3	-25287.3	5843.3	-7567.2
193	686457.3	648807.1	-25565.8	5834.2	-7527.0
194	752498.0	651398.9	-25844.2	5825.0	-7486.2
195	819005.1	653957.5	-26128.3	5815.6	-7445.2
196	885941.9	656483.1	-26392.2	5806.1	-7404.2
197	953324.8	658975.7	-26665.9	5796.5	-7363.1
198	1021115.6	661435.2	-26918.7	5786.7	-7321.7
199	1089325.7	663861.4	-27178.5	5776.8	-7280.1
200	1157941.9	666254.5	-27431.3	5766.7	-7238.6
201	1226939.5	668614.2	-27670.9	5756.5	-7196.6
202	1296331.5	670940.7	-27918.3	5746.1	-7154.6
203	1366093.5	673233.6	-28152.5	5735.6	-7112.2
204	1436217.2	675493.4	-28382.5	5724.9	-7070.2
205	1506589.4	677727.1	-28526.1	5725.6	-7044.6
206	1577274.4	679935.9	-28703.3	5727.9	-7021.6
207	1648400.7	682119.0	-28954.0	5729.9	-6997.7
208	1719832.8	684276.6	-29128.4	5731.8	-6973.8
209	1791627.9	686408.6	-29335.7	5733.6	-6949.6
210	1863751.8	688514.7	-29524.1	5735.2	-6925.0
211	1936200.7	690595.0	-29710.7	5736.6	-6900.4
212	2008977.1	692648.9	-29899.5	5737.9	-6875.2
213	2082064.2	694676.4	-30079.2	5739.0	-6849.6
214	2155465.9	696677.7	-30261.4	5740.0	-6824.3
215	2229146.5	698652.2	-30424.1	5740.8	-6798.1
216	2303103.7	700601.7	-30579.3	5744.7	-6776.5
217	2377339.9	702527.4	-30732.5	5750.4	-6757.5
218	2451847.9	704428.7	-30882.3	5755.9	-6737.7
219	2526646.4	706305.8	-31043.0	5761.2	-6717.9

220	2601714.6	708158.0	-31192.5	5766.4	-6697.4
221	2676716.2	710011.4	-31055.1	5819.0	-6742.8
222	2752621.7	711821.0	-31636.1	5789.5	-6674.2
223	2828703.5	713587.3	-31802.7	5760.0	-6606.2
224	2904927.2	715310.4	-31950.3	5730.3	-6538.0
225	2981280.1	716990.5	-32091.1	5700.5	-6469.9
226	3057785.1	718628.0	-32245.3	5670.6	-6402.2
227	3106125.7	720223.1	-16219.5	5640.5	-6334.6
228	3068588.9	721793.9	32881.7	5645.9	-6314.7
229	3030702.4	723345.6	33134.7	5663.0	-6310.1
230	2992557.0	724878.6	33335.4	5680.0	-6305.5
231	2954151.4	726392.4	33536.6	5696.8	-6300.5
232	2915484.8	727886.4	33738.2	5713.4	-6294.7
233	2876567.0	729360.4	33934.0	5729.9	-6288.4
234	2837389.1	730814.0	34134.5	5746.2	-6281.9
235	2797975.9	732247.2	34320.5	5762.3	-6274.9
236	2758306.2	733659.5	34518.6	5778.3	-6267.5
237	2718396.3	735050.8	34706.9	5794.2	-6259.9
238	2678237.4	736420.3	34900.3	5809.8	-6251.2
239	2637848.5	737768.2	35082.3	5825.3	-6242.6
240	2597227.2	739094.2	35265.6	5840.7	-6233.6
241	2556358.5	740397.6	35457.3	5855.9	-6223.9
242	2515273.7	741678.5	35630.6	5871.0	-6213.9
243	2473954.5	742936.2	35814.4	5885.8	-6203.3
244	2432424.6	744171.0	35984.1	5900.6	-6192.8
245	2390658.3	745382.4	36168.4	5915.2	-6181.5
246	2348692.2	746570.2	36331.4	5929.6	-6170.2
247	2306505.7	747733.9	36506.1	5943.9	-6158.1
248	2264108.6	748873.5	36674.8	5958.1	-6145.8
249	2221505.3	749988.4	36840.8	5972.0	-6132.9
250	2178704.8	751078.3	37001.5	5985.8	-6119.5
251	2163042.9	752142.6	21390.0	5997.0	-6103.3
252	2158764.4	753409.1	14171.3	5715.8	-6069.2
253	2158361.7	754644.6	12011.2	5712.6	-6035.5
254	2157850.4	755848.7	12073.3	5709.3	-6001.3
255	2157234.1	757021.3	12133.1	5705.8	-5966.9
256	2156522.3	758162.7	12187.2	5702.3	-5932.7
257	2155715.4	759272.7	12240.8	5698.5	-5898.2
258	2154782.1	760350.8	12311.6	5694.7	-5863.0
259	2153774.3	761397.7	12353.1	5690.7	-5828.5
260	2152651.7	762412.8	12416.7	5686.6	-5793.2
261	2151359.3	763396.7	12510.8	5682.3	-5758.4
262	2093263.8	764352.6	44333.0	5688.6	-5735.7
263	3006550.1	697708.6	183000.0	88280.0	-7533.0
264	1800659.7	698614.5	687511.1	5722.0	-5713.8
265	1747311.0	699495.7	41834.8	5738.5	-5702.9
266	1839239.8	700342.7	-39621.0	5728.6	-5660.4
267	1948478.7	701144.3	-49445.9	5678.3	-5572.8
268	2041877.0	701900.4	-40678.3	5628.0	-5485.0
269	1988240.1	702623.5	41817.2	5617.2	-5442.9
270	1934292.3	703321.3	42042.9	5633.1	-5430.9
271	2837203.7	636647.7	183000.0	87834.6	-7129.1
272	1650321.1	637293.8	678755.1	5664.3	-5405.6
273	1601264.9	637913.8	39444.8	5679.7	-5392.3
274	1552049.0	638507.3	39583.4	5695.0	-5378.7
275	1502689.6	639074.3	39712.6	5710.1	-5364.9
276	1453179.8	639614.3	39845.6	5725.1	-5350.5
277	1403530.7	640126.9	39972.0	5740.0	-5335.6
278	1353755.9	640612.3	40090.4	5754.7	-5320.7
279	1404266.3	641066.3	-16391.0	5753.7	-5288.5
280	1485766.2	641479.7	-33951.8	5709.7	-5211.0
281	1567242.7	641852.6	-34041.9	5665.5	-5133.2
282	1648696.6	642185.7	-34132.7	5621.1	-5056.2
283	1730104.4	642479.4	-34210.8	5576.7	-4979.5
284	1811455.4	642734.3	-34283.1	5532.1	-4903.3
285	1892736.8	642950.9	-34348.7	5487.5	-4827.4
286	1973940.3	643129.9	-34409.8	5442.7	-4752.2
287	2055043.5	643271.3	-34458.9	5397.8	-4676.9
288	2136049.6	643376.2	-34510.0	5352.7	-4602.5
289	2216930.2	643445.0	-34545.3	5307.6	-4528.5
290	2297681.0	643478.1	-34578.7	5262.3	-4454.7

291	2378296.2	643475.9	-34609.2	5216.9	-4381.3
292	2423481.7	643439.4	-14662.3	5171.4	-4308.8
293	2429733.1	643373.3	7350.8	5157.8	-4267.7
294	2435874.3	643278.0	7389.6	5144.9	-4227.7
295	2441900.3	643153.6	7430.9	5131.9	-4187.6
296	2447809.2	643000.2	7473.0	5118.7	-4147.6
297	2453595.5	642817.9	7517.9	5105.4	-4107.6
298	2459268.2	642607.0	7557.4	5092.0	-4067.6
299	2464827.3	642367.6	7596.5	5078.4	-4027.8
300	2470259.4	642099.6	7643.0	5064.8	-3987.6
301	2475578.9	641803.4	7681.0	5050.9	-3947.9
302	2480776.8	641479.1	7723.7	5037.0	-3907.9
303	2485859.1	641126.9	7762.7	5022.9	-3868.3
304	2490821.3	640746.8	7804.0	5008.7	-3828.4
305	2495664.5	640339.2	7844.3	4994.3	-3788.9
306	2500380.4	639903.9	7889.1	4979.9	-3749.0
307	2504981.4	639441.4	7926.5	4965.3	-3709.5
308	2452331.7	638952.4	40519.6	4963.3	-3681.4
309	2399653.5	638437.2	40573.4	4974.0	-3664.1
310	3083132.6	570827.5	183000.0	86175.0	-4798.5
311	2053716.9	570259.8	597335.7	4994.9	-3629.3
312	2320865.8	569665.0	-141750.9	4965.4	-3577.5
313	2743159.2	569040.4	-230771.9	4739.5	-3357.7
314	2940605.1	568187.6	-106507.0	4753.4	-3141.2
315	3424929.0	500016.6	183000.0	86020.3	-4107.3
316	3046635.7	431849.8	183000.0	85990.9	-4086.7
317	2679215.6	363686.5	183000.0	85962.2	-4066.1
318	1766900.6	362737.0	549903.5	4788.5	-3074.1
319	1733669.6	361763.0	29897.8	4798.2	-3057.7
320	1700487.0	360764.6	29899.8	4807.7	-3041.2
321	1667352.7	359741.4	29901.7	4817.1	-3024.3
322	1634264.8	358693.3	29904.2	4826.4	-3007.2
323	1601244.4	357620.6	29893.8	4835.5	-2990.3
324	1568284.2	356522.8	29887.6	4844.4	-2972.7
325	1535395.5	355399.7	29874.2	4853.3	-2954.9
326	1500703.4	354457.0	29746.1	4617.5	-2937.1
327	1468792.0	353489.2	28179.4	4625.8	-2919.1
328	1436936.4	352496.3	28173.9	4633.8	-2900.6
329	1405143.0	351478.1	28164.2	4641.8	-2882.1
330	1373411.9	350434.7	28154.1	4649.6	-2863.4
331	1341755.5	349365.8	28136.7	4657.3	-2844.3
332	1310178.9	348271.6	28115.8	4664.8	-2825.4
333	1278684.1	347151.9	28093.5	4672.2	-2806.2
334	1247276.7	346006.4	28067.8	4679.5	-2786.4
335	1215968.3	344835.4	28034.7	4686.7	-2767.0
336	1184756.7	343638.3	28002.8	4693.7	-2746.8
337	1153655.7	342415.6	27962.3	4700.6	-2727.0
338	1122666.3	341167.0	27921.1	4707.4	-2706.7
339	1091790.6	339892.0	27878.4	4714.0	-2686.0
340	1061044.6	338591.3	27825.8	4720.5	-2665.6
341	1030426.5	337264.3	27774.1	4726.9	-2644.8
342	999949.6	335911.4	27714.1	4733.2	-2624.1
343	969609.8	334531.9	27656.4	4739.3	-2602.7
344	939419.3	333126.3	27591.0	4745.3	-2581.6
345	971763.4	331694.3	-8470.2	4751.1	-2560.1
346	1147585.5	330264.2	-91587.5	4612.8	-2445.8
347	1138290.1	328626.4	15763.4	4755.5	-2358.1
348	1111623.1	326964.5	26162.3	4756.9	-2335.0
349	1085093.3	325278.3	26090.2	4758.1	-2311.9
350	1058704.1	323568.3	26015.6	4759.2	-2288.8
351	1032460.5	321834.0	25937.6	4760.2	-2265.5
352	1006369.9	320075.7	25854.8	4761.0	-2242.1
353	980433.9	318293.5	25770.6	4761.7	-2218.8
354	954660.9	316487.4	25680.9	4762.2	-2195.4
355	929050.2	314657.3	25591.3	4762.6	-2171.7
356	903609.2	312803.2	25496.8	4762.9	-2147.9
357	878345.5	310925.4	25397.3	4763.0	-2124.3
358	853259.5	309023.9	25297.1	4763.0	-2100.6
359	828356.9	307098.5	25193.1	4762.9	-2076.6
360	803642.6	305149.2	25085.7	4762.6	-2052.5
361	779122.9	303176.4	24974.1	4762.2	-2028.6

362	754803.1	301180.1	24858.7	4761.6	-2004.6
363	730683.8	299160.1	24742.8	4760.9	-1980.3
364	706772.6	297116.7	24621.6	4760.1	-1956.2
365	683075.2	295050.0	24496.6	4759.1	-1932.1
366	659594.0	292959.8	24369.9	4758.0	-1907.7
367	636333.3	290846.4	24239.9	4756.7	-1883.4
368	613298.0	288709.6	24106.7	4755.3	-1858.9
369	590496.0	286550.1	23968.1	4753.8	-1834.8
370	567927.2	284367.3	23829.2	4752.1	-1810.2
371	545599.6	282161.4	23685.0	4750.3	-1785.5
372	523513.3	279932.7	23540.3	4748.3	-1761.1
373	501677.8	277681.3	23389.2	4746.2	-1736.6
374	480097.7	275407.3	23235.1	4744.0	-1712.1
375	458773.7	273110.5	23080.1	4741.6	-1687.3
376	437712.4	270791.2	22920.5	4739.1	-1662.8
377	424622.6	268449.7	18098.2	4736.5	-1638.2
378	438645.5	266097.4	1630.1	4705.2	-1601.3
379	452279.1	263739.9	1770.9	4662.8	-1560.4
380	465577.8	261377.6	1878.5	4620.1	-1519.6
381	478549.9	259011.4	1980.7	4577.3	-1479.8
382	491189.2	256641.5	2086.5	4534.3	-1440.0
383	503496.4	254268.6	2191.5	4491.1	-1400.7
384	515475.9	251893.4	2293.7	4447.7	-1362.1
385	527125.8	249516.8	2396.6	4404.2	-1323.9
386	538450.3	247139.1	2496.7	4360.4	-1286.2
387	549449.4	244761.0	2596.7	4316.5	-1248.8
388	560120.8	242383.1	2697.6	4272.4	-1212.1
389	570472.9	240006.1	2793.2	4228.2	-1175.6
390	562597.4	237625.4	13795.3	4194.3	-1143.6
391	553355.0	235234.7	14584.9	4174.5	-1116.9
392	544159.3	232833.9	14515.0	4154.6	-1090.1
393	535014.8	230423.6	14441.9	4134.6	-1063.8
394	525921.9	228004.1	14368.1	4114.4	-1037.5
395	516880.4	225575.7	14294.0	4094.0	-1011.6
396	507891.4	223138.8	14219.0	4073.4	-985.7
397	498956.3	220693.7	14142.5	4052.7	-960.2
398	490077.5	218240.8	14064.2	4031.8	-934.8
399	481257.3	215780.5	13984.1	4010.8	-909.8
400	472493.2	213313.1	13905.1	3989.6	-884.8
401	463787.7	210839.0	13824.1	3968.2	-860.2
402	455143.0	208358.5	13741.4	3946.6	-835.6
403	446560.8	205871.9	13657.3	3924.9	-811.3
404	438040.4	203379.9	13573.0	3903.0	-787.4
405	429581.8	200882.6	13488.5	3880.9	-763.6
406	421188.8	198380.4	13401.1	3858.7	-740.0
407	411547.5	195873.8	14117.1	3836.2	-716.9
408	399610.4	193360.2	15485.1	3818.7	-695.0
409	387835.3	190839.2	15350.9	3801.9	-673.5
410	376223.1	188311.2	15215.9	3784.9	-652.2
411	364774.0	185776.7	15080.2	3767.7	-631.3
412	353487.6	183235.9	14944.3	3750.4	-610.4
413	342365.0	180689.1	14807.3	3732.9	-589.7
414	331409.2	178136.6	14667.9	3715.2	-569.2
415	322352.3	175578.9	13465.3	3697.4	-548.9
416	317039.3	173021.4	11111.9	3671.4	-527.5
417	311732.6	170465.5	11047.9	3643.6	-505.6
418	306446.3	167911.8	10974.7	3615.6	-484.3
419	301180.2	165360.8	10901.3	3587.4	-463.3
420	295934.0	162812.9	10827.6	3559.0	-442.6
421	290709.8	160268.8	10752.2	3530.4	-422.3
422	285508.6	157728.6	10675.9	3501.7	-402.1
423	280331.4	155193.2	10598.3	3472.7	-382.4
424	275178.9	152662.8	10520.0	3443.5	-363.1
425	270051.1	150138.2	10441.3	3414.2	-344.1
426	264949.9	147619.6	10360.9	3384.7	-325.3
427	259876.5	145107.7	10279.4	3354.9	-307.1
428	254831.3	142603.0	10197.3	3325.0	-289.1
429	246493.5	140105.9	12163.3	3294.9	-271.4
430	231046.4	137602.7	16527.9	3284.1	-256.2
431	216021.6	135090.3	16255.3	3277.9	-241.8
432	201394.9	132568.7	15997.0	3271.5	-227.3

433	187170.6	130038.5	15735.5	3264.9	-213.0
434	173348.1	127499.6	15473.8	3258.1	-198.7
435	162865.6	124952.3	13394.6	3251.2	-184.5
436	158441.1	122411.3	9592.1	3225.4	-169.1
437	154051.5	119879.9	9505.6	3195.5	-153.6
438	149718.6	117358.7	9405.2	3165.4	-138.5
439	145444.0	114848.2	9303.4	3135.2	-123.8
440	141227.6	112349.0	9201.1	3104.7	-109.5
441	137069.6	109861.5	9098.2	3074.0	-95.5
442	132969.7	107386.3	8995.2	3043.1	-81.7
443	128930.1	104924.0	8890.3	3012.0	-68.5
444	124950.8	102475.3	8784.9	2980.7	-55.8
445	121031.6	100040.5	8679.3	2949.2	-43.2
446	117172.0	97620.4	8573.3	2917.4	-31.2
447	113082.6	95215.3	8647.0	2885.5	-19.4
448	104321.0	92817.8	11502.0	2863.1	-8.2
449	95911.7	90421.6	11251.2	2848.3	2.8
450	87815.6	88027.4	11024.1	2833.3	13.6
451	80033.0	85635.2	10796.3	2818.2	24.2
452	76226.4	83250.7	8274.8	2796.6	34.5
453	72956.3	80883.4	7871.8	2764.8	44.2
454	69764.3	78533.6	7753.7	2732.8	53.6
455	66650.1	76201.8	7635.4	2700.6	62.6
456	63614.0	73888.7	7516.3	2668.1	71.2
457	60656.1	71594.9	7396.8	2635.4	79.4
458	57776.5	69321.1	7276.6	2602.5	87.0
459	54973.1	67067.7	7157.3	2569.4	94.4
460	52247.5	64835.5	7036.6	2536.0	101.3
461	49598.5	62625.0	6916.1	2502.5	107.9
462	47026.7	60436.9	6794.8	2468.6	113.8
463	44530.2	58271.7	6674.1	2434.6	119.5
464	42110.4	56130.1	6552.3	2400.4	124.7
465	39765.9	54012.7	6430.6	2365.8	129.5
466	37496.3	51920.2	6308.9	2331.1	133.8
467	35300.9	49853.1	6187.0	2296.1	137.7
468	33180.1	47812.2	6064.5	2260.9	141.2
469	31133.0	45798.1	5942.0	2225.5	144.2
470	29158.8	43811.4	5819.6	2189.8	146.7
471	27257.0	41852.9	5696.9	2153.9	148.7
472	25426.8	39923.0	5574.4	2117.8	150.5
473	23668.4	38022.6	5451.1	2081.3	151.5
474	21980.5	36152.4	5328.3	2044.7	152.2
475	20362.0	34312.8	5205.5	2007.8	152.5
476	18813.4	32504.8	5082.1	1970.6	152.2
477	17332.7	30729.0	4959.4	1933.2	151.5
478	15919.8	28986.0	4836.3	1895.6	150.3
479	14573.4	27276.5	4713.5	1857.7	148.6
480	13293.2	25601.3	4590.4	1819.5	146.4
481	12078.1	23961.0	4467.5	1781.1	143.7
482	10927.3	22356.5	4344.7	1742.5	140.4
483	9839.2	20788.3	4222.3	1703.5	136.8
484	8813.4	19257.2	4099.7	1664.4	132.6
485	7848.9	17764.0	3977.3	1624.9	127.9
486	6944.6	16309.4	3855.1	1585.2	122.6
487	6075.8	14894.2	3747.9	1545.2	116.9
488	5124.9	13516.0	3720.5	1507.8	111.2
489	4267.6	12173.8	3585.1	1471.8	105.5
490	3498.6	10868.2	3452.5	1435.6	99.3
491	2815.4	9600.0	3321.1	1399.1	92.6
492	2214.9	8369.8	3191.1	1362.4	85.4
493	1694.5	7178.4	3062.2	1325.4	77.8
494	1251.4	6026.4	2934.7	1288.1	69.6
495	882.5	4914.8	2808.5	1250.5	61.0
496	584.6	3844.0	2683.9	1212.7	51.8
497	354.9	2814.9	2560.7	1174.6	42.1
498	189.9	1828.3	2439.0	1136.2	31.9
499	84.7	887.7	2314.8	1095.0	20.5
500	0.0	0.0	2203.9	1048.1	7.0

Σ

2715537.5

-2280560.2

VERIFICA STABILITA' DEI PENDII

Sezione I-I - Condizione Sismica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
Prodotto dei coefficienti sismici :-0.116
Coefficiente sismico verticale : 0.058
Coefficiente riduzione attrito : 1.000
Coefficiente riduzione coesione : 1.000
Coeff. amplific. carichi esercizio : 1.000
Coeff. carichi esercizio per sisma : 1.000
Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
Falda	1	112.920	134.060
Falda	2	120.690	133.560
Falda	3	128.510	132.280
Falda	4	136.560	131.290
Falda	5	150.480	129.570
Falda	6	160.420	126.350
Falda	7	170.350	123.180
Falda	8	175.340	122.800
Falda	9	180.280	122.960
Falda	10	185.160	122.960
Falda	11	195.490	122.570
Falda	12	205.420	122.520
Falda	13	215.290	121.850
Falda	14	224.280	120.850
Falda	15	227.110	119.910
Falda	16	232.770	119.470
Falda	17	240.380	118.750
Falda	18	243.710	118.020
Falda	19	247.480	117.640
Falda	20	255.190	116.030
Falda	21	260.070	115.420
Falda	22	264.900	114.310
Falda	23	274.780	112.750
Falda	24	282.210	112.360
Falda	25	296.090	110.090
Falda	26	308.400	108.040
Falda	27	317.280	107.920
Falda	28	318.340	106.870
Falda	29	323.160	106.870
Falda	30	323.770	106.540
Falda	31	328.270	106.480
Falda	32	329.990	106.090
Falda	33	335.210	103.820
Falda	34	363.120	99.050
Falda	35	380.370	95.880
Falda	36	390.750	93.720
Falda	37	406.730	93.000
Falda	38	413.170	92.610
Falda	39	417.720	92.390
Falda	40	426.430	91.220
Falda	41	431.090	90.890
Falda	42	438.800	89.450
Falda	43	442.190	89.500
Falda	44	446.960	88.390
Falda	45	452.230	88.000
Falda	46	464.490	84.680
Falda	47	471.980	83.070
Falda	48	473.150	83.180

Falda	49	475.310	82.180
Falda	50	476.870	82.180
Falda	51	481.250	80.180
Falda	52	482.310	80.460
Falda	53	505.390	73.910
Pendio	1	113.050	142.750
Pendio	2	117.840	141.080
Pendio	3	131.200	145.550
Pendio	4	145.420	148.970
Pendio	5	150.370	152.340
Pendio	6	160.590	154.090
Pendio	7	165.480	156.180
Pendio	8	185.300	156.180
Pendio	9	190.350	154.260
Pendio	10	200.410	152.980
Pendio	11	205.520	151.470
Pendio	12	210.230	149.090
Pendio	13	225.290	146.470
Pendio	14	230.340	145.080
Pendio	15	245.050	137.050
Pendio	16	265.220	126.300
Pendio	17	275.680	125.720
Pendio	18	280.400	124.660
Pendio	19	282.220	124.660
Pendio	20	283.460	123.790
Pendio	21	288.040	123.790
Pendio	22	293.930	120.140
Pendio	23	300.790	118.280
Pendio	24	302.710	118.280
Pendio	25	303.680	115.850
Pendio	26	317.500	115.840
Pendio	27	318.110	114.680
Pendio	28	331.720	114.070
Pendio	29	337.170	111.650
Pendio	30	344.960	110.140
Pendio	31	348.520	109.660
Pendio	32	354.730	108.230
Pendio	33	357.380	108.250
Pendio	34	362.820	107.090
Pendio	35	364.670	107.010
Pendio	36	380.520	103.840
Pendio	37	385.530	103.050
Pendio	38	391.810	101.600
Pendio	39	413.320	100.670
Pendio	40	417.210	100.260
Pendio	41	424.530	99.220
Pendio	42	439.410	97.820
Pendio	43	442.840	97.470
Pendio	44	450.860	95.790
Pendio	45	454.760	95.260
Pendio	46	461.670	93.110
Pendio	47	466.960	92.530
Pendio	48	474.290	90.730
Pendio	49	479.050	89.860
Pendio	50	482.830	88.170
Pendio	51	495.850	84.450
Pendio	52	507.480	81.310
Pendio	53	510.440	81.260
2	1	120.350	141.920
2	2	120.350	140.600
2	3	135.440	145.280
2	4	140.710	146.390
2	5	145.490	147.880
2	6	150.490	150.960
2	7	160.590	153.200
2	8	165.530	155.000
2	9	185.300	155.000
2	10	190.300	153.250
2	11	195.350	152.510
2	12	200.190	151.870
2	13	205.500	150.220

2	14	210.230	147.930
2	15	215.230	146.820
2	16	225.220	145.600
2	17	230.170	144.000
2	18	245.050	136.080
2	19	262.910	126.410
2	20	262.910	127.531
3	1	121.270	140.885
3	2	121.270	140.110
3	3	128.720	137.000
3	4	135.570	133.750
3	5	140.500	132.760
3	6	145.530	132.270
3	7	150.410	131.280
3	8	160.520	127.980
3	9	165.510	126.640
3	10	170.540	124.770
3	11	175.470	124.430
3	12	200.470	124.280
3	13	205.600	123.830
3	14	215.270	123.880
3	15	220.300	123.590
3	16	232.430	123.540
3	17	236.370	123.240
3	18	254.970	122.700
3	19	259.950	124.620
3	20	262.120	125.810
3	21	262.120	126.838
4	1	115.780	141.798
4	2	115.780	140.620
4	3	120.700	139.340
4	4	125.570	137.030
4	5	131.180	134.670
4	6	135.210	132.850
4	7	140.530	131.670
4	8	145.390	131.330
4	9	150.360	130.290
4	10	155.180	128.620
4	11	160.540	126.700
4	12	165.460	125.330
4	13	170.530	123.610
4	14	175.400	123.210
4	15	180.120	123.560
4	16	187.740	123.510
4	17	190.150	123.210
4	18	200.240	123.310
4	19	205.250	122.670
4	20	215.390	122.670
4	21	222.270	122.670
4	22	230.240	122.420
4	23	236.490	122.380
4	24	239.930	122.030
4	25	246.230	122.030
4	26	250.310	121.690
4	27	255.330	121.830
4	28	260.290	123.610
4	29	264.180	125.770
4	30	264.180	126.854
5	1	256.390	122.210
5	2	256.390	121.250
5	3	264.390	118.300
5	4	280.885	118.286
5	5	280.885	124.660
6	1	116.500	140.433
6	2	116.500	123.870
6	3	135.600	121.340
6	4	140.340	120.970
6	5	155.680	118.820
6	6	160.470	118.600
6	7	170.470	116.720
6	8	177.040	116.770

6	9	180.160	115.960
6	10	185.110	116.180
6	11	187.960	115.260
6	12	192.320	115.210
6	13	205.510	113.430
6	14	210.130	112.410
6	15	222.080	111.070
6	16	224.990	110.100
6	17	232.410	109.130
6	18	238.220	108.860
6	19	240.380	108.270
6	20	245.380	107.840
6	21	255.120	105.950
6	22	264.810	104.290
6	23	266.370	104.180
6	24	274.810	102.940
6	25	280.885	102.360
6	26	280.885	118.286
7	1	280.885	102.360
7	2	280.885	98.160
7	3	281.355	98.160
7	4	281.355	124.660
8	1	281.355	124.660
8	2	281.355	118.285
8	3	284.290	118.283
8	4	284.290	123.790
9	1	281.355	124.660
9	2	281.355	102.300
9	3	282.110	102.260
9	4	284.290	101.790
9	5	284.290	118.283
10	1	284.290	101.790
10	2	284.290	93.790
10	3	285.020	93.790
10	4	285.020	101.637
11	1	285.000	123.790
11	2	285.000	118.270
11	3	299.300	118.270
11	4	299.300	118.684
12	1	285.000	123.790
12	2	285.000	101.640
12	3	285.310	101.600
12	4	300.790	99.050
12	5	301.605	98.878
12	6	301.605	118.280
13	1	301.605	98.878
13	2	301.605	96.280
13	3	302.225	96.280
13	4	302.225	118.280
14	1	302.225	118.280
14	2	302.225	98.705
14	3	303.140	98.510
14	4	303.855	98.416
14	5	303.855	115.850
15	1	303.855	98.416
15	2	303.855	85.850
15	3	305.155	85.850
15	4	305.155	115.849
16	1	305.155	115.849
16	2	305.155	98.169
16	3	306.400	97.990
16	4	317.380	97.880
16	5	319.160	96.540
16	6	326.580	96.540
16	7	334.650	93.790
16	8	352.950	90.670
16	9	359.780	89.490
16	10	369.950	87.660
16	11	371.460	86.910
16	12	375.440	86.690
16	13	389.590	83.840

16	14	400.300	83.410
16	15	404.450	82.920
16	16	411.280	82.870
16	17	416.230	82.390
16	18	425.060	81.040
16	19	429.630	81.150
16	20	445.400	78.560
16	21	448.360	78.350
16	22	454.540	76.840
16	23	458.100	75.600
16	24	459.930	75.440
16	25	459.930	93.651

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
6	Fila 1	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.40
8	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
9	Fila 2	2500.0	18.30	0.00	1.00
10	ARGINE	1900.0	0.40	25.00	0.40
11	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
12	Fila 3	2500.0	18.30	0.00	1.00
13	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
14	Fila 4	2500.0	18.30	0.00	1.00
15	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
16	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	361.90	372.73	277.74
2	354.78	388.91	293.68
3	322.29	290.27	192.51
4	341.04	346.02	249.86
5	329.52	299.05	202.17
6	331.94	331.73	234.88
7	313.63	320.37	220.19
8	297.14	273.49	171.93
9	309.93	283.48	182.45
10	323.37	299.61	201.87
11	319.68	312.09	213.60

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y

CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des

RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico

1	361.90	372.73	277.74	1.274	1
1	361.90	372.73	277.74	1.289	2
2	354.78	388.91	293.68	1.189	1
2	354.78	388.91	293.68	1.199	2
3	322.29	290.27	192.51	1.168	1
3	322.29	290.27	192.51	1.181	2
4	341.04	346.02	249.86	1.170	1
4	341.04	346.02	249.86	1.181	2
5	329.52	299.05	202.17	1.153	1
5	329.52	299.05	202.17	1.165	2
6	331.94	331.73	234.88	1.105	1
6	331.94	331.73	234.88	1.112	2
7	313.63	320.37	220.19	1.170	1
7	313.63	320.37	220.19	1.180	2
8	297.14	273.49	171.93	1.138	1
8	297.14	273.49	171.93	1.147	2
9	309.93	283.48	182.45	1.182	1
9	309.93	283.48	182.45	1.196	2
10	323.37	299.61	201.87	1.099	1
10	323.37	299.61	201.87	1.106	2
11	319.68	312.09	213.60	1.092	1
11	319.68	312.09	213.60	1.098	2

CERCHIO CRITICO N° 11

Larghezza del concio.....=0.399

Situazione di carico numero 1

Coefficiente di sicurezza F =1.092

Coefficiente di forma =0.12844

Coefficiente F/Fo =1.05410

Numero iterazioni = 1

Precisione =0.00925

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-43.05	0.546	0.120	19.6	149.6	-16.4
2	-42.90	0.545	0.120	19.6	447.8	-49.1
3	-42.75	0.543	0.120	19.6	744.4	-81.6
4	-42.61	0.542	0.008	19.6	1010.1	-110.8
5	-42.46	0.541	0.008	19.6	1211.0	-132.8
6	-42.32	0.540	0.008	19.6	1410.9	-154.7
7	-42.17	0.538	0.008	19.6	1609.8	-176.5
8	-42.03	0.537	0.008	19.6	1807.6	-198.2
9	-41.89	0.536	0.008	19.6	2004.5	-219.8
10	-41.74	0.535	0.008	19.6	2200.3	-241.2
11	-41.60	0.534	0.008	19.6	2395.2	-262.6
12	-41.46	0.532	0.008	19.6	2589.1	-283.9
13	-41.31	0.531	0.008	19.6	2782.1	-305.0
14	-41.17	0.530	0.008	19.6	2974.0	-326.1
15	-41.03	0.529	0.008	19.6	3165.0	-347.0
16	-40.89	0.528	0.008	19.6	3355.1	-367.9
17	-40.74	0.527	0.008	19.6	3544.2	-388.6
18	-40.60	0.526	0.008	19.6	3732.4	-409.2
19	-40.46	0.524	0.008	19.6	3919.6	-429.7
20	-40.32	0.523	0.008	19.6	4105.9	-450.2
21	-40.18	0.522	0.008	19.6	4291.3	-470.5
22	-40.04	0.521	0.008	19.6	4475.8	-490.7
23	-39.90	0.520	0.008	19.6	4659.3	-510.9
24	-39.76	0.519	0.008	19.6	4842.0	-530.9
25	-39.62	0.518	0.008	19.6	5023.7	-550.8
26	-39.49	0.517	0.008	19.6	5204.6	-570.6
27	-39.35	0.516	0.008	19.6	5384.5	-590.4
28	-39.21	0.515	0.008	19.6	5563.6	-610.0
29	-39.07	0.514	0.008	19.6	5741.8	-629.5
30	-38.93	0.513	0.008	19.6	5885.0	-645.2
31	-38.80	0.512	0.008	19.6	5975.1	-655.1
32	-38.66	0.511	0.008	19.6	6064.4	-664.9
33	-38.52	0.510	0.008	19.6	6152.8	-674.6

34	-38.38	0.509	0.008	19.6	6240.4	-684.2
35	-38.25	0.508	0.008	19.6	6327.1	-693.7
36	-38.11	0.507	0.008	19.6	6413.0	-703.1
37	-37.98	0.506	0.008	19.6	6498.1	-712.5
38	-37.84	0.505	0.008	19.6	6582.3	-721.7
39	-37.71	0.504	0.008	19.6	6665.6	-730.8
40	-37.57	0.503	0.008	19.6	6748.2	-739.9
41	-37.43	0.503	0.008	19.6	6829.9	-748.8
42	-37.30	0.502	0.008	19.6	6910.8	-757.7
43	-37.17	0.501	0.008	19.6	7033.0	-771.1
44	-37.03	0.500	0.008	19.6	7172.7	-786.4
45	-36.90	0.499	0.008	19.6	7311.6	-801.6
46	-36.76	0.498	0.008	19.6	7449.7	-816.8
47	-36.63	0.497	0.008	19.6	7586.9	-831.8
48	-36.50	0.496	0.008	19.6	7723.4	-846.8
49	-36.36	0.496	0.008	19.6	7859.1	-861.7
50	-36.23	0.495	0.008	19.6	7994.1	-876.5
51	-36.10	0.494	0.008	19.6	8128.2	-891.2
52	-35.97	0.493	0.008	19.6	8261.6	-905.8
53	-35.83	0.492	0.008	19.6	8394.2	-920.3
54	-35.70	0.491	0.008	19.6	8526.0	-934.8
55	-35.57	0.491	0.008	19.6	8656.8	-949.1
56	-35.44	0.490	0.008	19.6	8785.6	-963.3
57	-35.31	0.489	0.008	19.6	8913.7	-977.3
58	-35.18	0.488	0.008	19.6	9041.1	-991.3
59	-35.05	0.487	0.008	19.6	9167.7	-1005.2
60	-34.92	0.487	0.008	19.6	9293.5	-1019.0
61	-34.79	0.486	0.008	19.6	9418.6	-1032.7
62	-34.65	0.485	0.008	19.6	9543.0	-1046.3
63	-34.52	0.484	0.008	19.6	9666.7	-1059.9
64	-34.39	0.484	0.008	19.6	9789.6	-1073.3
65	-34.27	0.483	0.008	19.6	9911.8	-1086.7
66	-34.13	0.482	0.008	19.6	10033.2	-1100.1
67	-34.01	0.481	0.008	19.6	10155.4	-1113.4
68	-33.88	0.481	0.008	19.6	10265.1	-1125.5
69	-33.75	0.480	0.008	19.6	10348.6	-1134.6
70	-33.62	0.479	0.008	19.6	10431.3	-1143.7
71	-33.49	0.478	0.008	19.6	10513.4	-1152.7
72	-33.36	0.478	0.008	19.6	10594.8	-1161.6
73	-33.24	0.477	0.008	19.6	10675.4	-1170.5
74	-33.11	0.476	0.008	19.6	10755.4	-1179.2
75	-32.98	0.476	0.008	19.6	10834.7	-1187.9
76	-32.85	0.475	0.008	19.6	10913.3	-1196.5
77	-32.72	0.474	0.008	19.6	10991.2	-1205.1
78	-32.60	0.474	0.008	19.6	11068.4	-1213.5
79	-32.47	0.473	0.008	19.6	11144.9	-1221.9
80	-32.34	0.472	0.008	19.6	11220.7	-1230.2
81	-32.22	0.472	0.008	19.6	11261.0	-1234.7
82	-32.09	0.471	0.008	19.6	11285.9	-1237.4
83	-31.96	0.470	0.008	19.6	11310.1	-1240.0
84	-31.84	0.470	0.008	19.6	11333.6	-1242.6
85	-31.71	0.469	0.008	19.6	11356.5	-1245.1
86	-31.59	0.468	0.008	19.6	11378.6	-1247.6
87	-31.46	0.468	0.008	19.6	11400.2	-1249.9
88	-31.34	0.467	0.008	19.6	11421.1	-1252.2
89	-31.21	0.467	0.008	19.6	11441.3	-1254.4
90	-31.09	0.466	0.008	19.6	11460.8	-1256.6
91	-30.96	0.465	0.008	19.6	11479.7	-1258.6
92	-30.84	0.465	0.008	19.6	11498.0	-1260.6
93	-30.71	0.464	0.008	19.6	11588.4	-1270.6
94	-30.59	0.464	0.008	19.6	11684.9	-1281.1
95	-30.46	0.463	0.008	19.6	11780.8	-1291.7
96	-30.34	0.462	0.008	19.6	11876.0	-1302.1
97	-30.21	0.462	0.008	19.6	11970.6	-1312.5
98	-30.09	0.461	0.008	19.6	12064.6	-1322.8
99	-29.97	0.461	0.008	19.6	12157.9	-1333.0
100	-29.84	0.460	0.008	19.6	12250.6	-1343.2
101	-29.72	0.459	0.008	19.6	12342.7	-1353.3
102	-29.60	0.459	0.008	19.6	12434.1	-1363.3
103	-29.47	0.458	0.008	19.6	12525.0	-1373.2
104	-29.35	0.458	0.008	19.6	12615.2	-1383.1

105	-29.23	0.457	0.008	19.6	12700.9	-1392.5
106	-29.11	0.457	0.008	19.6	12779.8	-1401.2
107	-28.98	0.456	0.008	19.6	12858.0	-1409.8
108	-28.86	0.456	0.008	19.6	12935.7	-1418.3
109	-28.74	0.455	0.008	19.6	13012.7	-1426.7
110	-28.62	0.455	0.008	19.6	13089.2	-1435.1
111	-28.50	0.454	0.008	19.6	13165.0	-1443.4
112	-28.37	0.453	0.008	19.6	13240.2	-1451.7
113	-28.25	0.453	0.008	19.6	13314.9	-1459.9
114	-28.13	0.452	0.008	19.6	13388.9	-1468.0
115	-28.01	0.452	0.000	11.3	13494.8	-1479.6
116	-27.89	0.451	0.000	11.3	13615.4	-1492.8
117	-27.77	0.451	0.000	11.3	13735.2	-1505.9
118	-27.65	0.450	0.000	11.3	13857.8	-1519.4
119	-27.53	0.450	0.000	11.3	13981.2	-1532.9
120	-27.41	0.449	0.200	15.0	14103.8	-1546.4
121	-27.28	0.449	0.200	15.0	14225.6	-1559.7
122	-27.16	0.448	0.200	15.0	14346.5	-1573.0
123	-27.04	0.448	0.200	15.0	14466.5	-1586.1
124	-26.92	0.448	0.200	15.0	14585.7	-1599.2
125	-26.80	0.447	0.200	15.0	14704.1	-1612.2
126	-26.68	0.447	0.200	15.0	14821.6	-1625.1
127	-26.56	0.446	0.200	15.0	14938.3	-1637.8
128	-26.44	0.446	0.200	15.0	15054.1	-1650.5
129	-26.33	0.445	0.200	15.0	15169.1	-1663.2
130	-26.21	0.445	0.200	15.0	15291.6	-1676.6
131	-26.09	0.444	0.200	15.0	15403.6	-1688.9
132	-25.97	0.444	0.200	15.0	15514.5	-1701.0
133	-25.85	0.443	0.200	15.0	15624.5	-1713.1
134	-25.73	0.443	0.200	15.0	15733.5	-1725.0
135	-25.61	0.442	0.200	15.0	15851.9	-1738.0
136	-25.49	0.442	0.200	15.0	15976.0	-1751.6
137	-25.37	0.442	0.200	15.0	16099.2	-1765.1
138	-25.26	0.441	0.200	15.0	16221.4	-1778.5
139	-25.14	0.441	0.200	15.0	16342.6	-1791.8
140	-25.02	0.440	0.200	15.0	16462.8	-1805.0
141	-24.90	0.440	0.200	15.0	16582.0	-1818.1
142	-24.78	0.439	0.200	15.0	16700.3	-1831.0
143	-24.67	0.439	0.200	15.0	16792.9	-1841.2
144	-24.55	0.439	0.200	15.0	16843.8	-1846.8
145	-24.43	0.438	0.200	15.0	16893.7	-1852.2
146	-24.31	0.438	0.200	15.0	16942.6	-1857.6
147	-24.19	0.437	0.200	15.0	16990.6	-1862.9
148	-24.08	0.437	0.200	15.0	17035.6	-1867.8
149	-23.96	0.437	0.200	15.0	17073.9	-1872.0
150	-23.84	0.436	0.200	15.0	17110.6	-1876.0
151	-23.73	0.436	0.200	15.0	17146.4	-1879.9
152	-23.61	0.435	0.200	15.0	17181.2	-1883.8
153	-23.49	0.435	0.200	15.0	17215.1	-1887.5
154	-23.38	0.435	0.200	15.0	17248.1	-1891.1
155	-23.26	0.434	0.200	15.0	17280.1	-1894.6
156	-23.14	0.434	0.200	15.0	17311.1	-1898.0
157	-23.03	0.434	0.200	15.0	17341.3	-1901.3
158	-22.91	0.433	0.200	15.0	17372.4	-1904.7
159	-22.80	0.433	0.200	15.0	17405.5	-1908.4
160	-22.68	0.432	0.200	15.0	17437.6	-1911.9
161	-22.56	0.432	0.200	15.0	17468.8	-1915.3
162	-22.45	0.432	0.200	15.0	17499.1	-1918.6
163	-22.33	0.431	0.200	15.0	17528.5	-1921.8
164	-22.21	0.431	0.200	15.0	17556.9	-1925.0
165	-22.10	0.431	0.200	15.0	17584.5	-1928.0
166	-21.98	0.430	0.200	15.0	17611.1	-1930.9
167	-21.87	0.430	0.200	15.0	17636.8	-1933.7
168	-21.75	0.430	0.200	15.0	17658.7	-1936.1
169	-21.64	0.429	0.200	15.0	17674.2	-1937.8
170	-21.52	0.429	0.200	15.0	17688.8	-1939.4
171	-21.41	0.429	0.200	15.0	17702.6	-1940.9
172	-21.29	0.428	0.200	15.0	17715.4	-1942.3
173	-21.18	0.428	0.200	15.0	17727.3	-1943.6
174	-21.06	0.428	0.200	15.0	17738.4	-1944.8
175	-20.95	0.427	0.200	15.0	17748.5	-1946.0

176	-20.83	0.427	0.200	15.0	17757.8	-1947.0
177	-20.72	0.427	0.200	15.0	17774.2	-1948.8
178	-20.61	0.426	0.200	15.0	17789.6	-1950.5
179	-20.49	0.426	0.200	15.0	17804.2	-1952.1
180	-20.38	0.426	0.200	15.0	17821.2	-1953.9
181	-20.26	0.425	0.200	15.0	17839.1	-1955.9
182	-20.15	0.425	0.200	15.0	17856.1	-1957.8
183	-20.04	0.425	0.200	15.0	17872.2	-1959.5
184	-19.92	0.424	0.200	15.0	17887.5	-1961.2
185	-19.81	0.424	0.200	15.0	17901.9	-1962.8
186	-19.69	0.424	0.200	15.0	17911.4	-1963.8
187	-19.58	0.424	0.200	15.0	17916.8	-1964.4
188	-19.47	0.423	0.200	15.0	17921.3	-1964.9
189	-19.35	0.423	0.200	15.0	17924.9	-1965.3
190	-19.24	0.423	0.200	15.0	17927.7	-1965.6
191	-19.13	0.422	0.200	15.0	17929.6	-1965.8
192	-19.01	0.422	0.200	15.0	17930.7	-1965.9
193	-18.90	0.422	0.200	15.0	17930.9	-1966.0
194	-18.79	0.421	0.200	15.0	17930.3	-1965.9
195	-18.67	0.421	0.200	15.0	17928.8	-1965.7
196	-18.56	0.421	0.200	15.0	17926.4	-1965.5
197	-18.45	0.421	0.200	15.0	17923.3	-1965.1
198	-18.33	0.420	0.200	15.0	17919.2	-1964.7
199	-18.22	0.420	0.200	15.0	17914.3	-1964.1
200	-18.11	0.420	0.200	15.0	17908.6	-1963.5
201	-18.00	0.420	0.200	15.0	17902.0	-1962.8
202	-17.88	0.419	0.200	15.0	17894.6	-1962.0
203	-17.77	0.419	0.200	15.0	17886.3	-1961.1
204	-17.66	0.419	0.200	15.0	17877.2	-1960.1
205	-17.55	0.418	0.200	15.0	17901.6	-1962.7
206	-17.44	0.418	0.200	15.0	17938.3	-1966.8
207	-17.32	0.418	0.200	15.0	17974.3	-1970.7
208	-17.21	0.418	0.200	15.0	18009.4	-1974.6
209	-17.10	0.417	0.200	15.0	18043.7	-1978.3
210	-16.99	0.417	0.200	15.0	18077.2	-1982.0
211	-16.88	0.417	0.200	15.0	18109.8	-1985.6
212	-16.76	0.417	0.200	15.0	18141.6	-1989.1
213	-16.65	0.416	0.200	15.0	18172.6	-1992.5
214	-16.54	0.416	0.200	15.0	18202.7	-1995.8
215	-16.43	0.416	0.200	15.0	18232.0	-1999.0
216	-16.32	0.416	0.200	15.0	18260.6	-2002.1
217	-16.21	0.415	0.200	15.0	18293.2	-2005.7
218	-16.09	0.415	0.200	15.0	18329.5	-2009.7
219	-15.98	0.415	0.200	15.0	18365.0	-2013.6
220	-15.87	0.415	0.200	15.0	18399.6	-2017.3
221	-15.76	0.415	0.200	15.0	18433.5	-2021.1
222	-15.65	0.414	0.200	15.0	18466.5	-2024.7
223	-15.54	0.414	0.200	15.0	18663.6	-2046.3
224	-15.43	0.414	0.200	15.0	18584.9	-2037.7
225	-15.32	0.414	0.200	15.0	18505.3	-2028.9
226	-15.20	0.413	0.200	15.0	18424.9	-2020.1
227	-15.09	0.413	0.200	15.0	18343.8	-2011.2
228	-14.98	0.413	0.200	15.0	18261.8	-2002.2
229	-14.87	0.413	0.200	15.0	18179.1	-1993.2
230	-14.76	0.413	0.200	15.0	18114.6	-1986.1
231	-14.65	0.412	0.200	15.0	18187.9	-1994.1
232	-14.54	0.412	0.200	15.0	18260.4	-2002.1
233	-14.43	0.412	0.200	15.0	18332.1	-2009.9
234	-14.32	0.412	0.200	15.0	18403.0	-2017.7
235	-14.21	0.412	0.200	15.0	18473.1	-2025.4
236	-14.10	0.411	0.200	15.0	18542.4	-2033.0
237	-13.99	0.411	0.200	15.0	18611.0	-2040.5
238	-13.88	0.411	0.200	15.0	18678.7	-2047.9
239	-13.77	0.411	0.200	15.0	18745.6	-2055.3
240	-13.66	0.411	0.200	15.0	18811.8	-2062.5
241	-13.55	0.410	0.200	15.0	18877.1	-2069.7
242	-13.44	0.410	0.200	15.0	18941.7	-2076.8
243	-13.33	0.410	0.200	15.0	19005.5	-2083.8
244	-13.22	0.410	0.200	15.0	19068.5	-2090.7
245	-13.11	0.410	0.200	15.0	19130.7	-2097.5
246	-13.00	0.409	0.200	15.0	19192.1	-2104.2

247	-12.89	0.409	0.200	15.0	19252.8	-2110.9
248	-12.78	0.409	0.200	15.0	19312.7	-2117.5
249	-12.67	0.409	0.200	15.0	19371.7	-2123.9
250	-12.56	0.409	0.200	15.0	19430.1	-2130.3
251	-12.45	0.409	0.200	15.0	19487.6	-2136.6
252	-12.34	0.408	0.200	15.0	19544.3	-2142.9
253	-12.23	0.408	0.200	15.0	19600.3	-2149.0
254	-12.12	0.408	0.200	15.0	19656.5	-2155.2
255	-12.01	0.408	0.200	15.0	19718.0	-2161.9
256	-11.90	0.408	0.200	15.0	19778.8	-2168.6
257	-11.79	0.408	0.200	15.0	19791.0	-2169.9
258	-11.68	0.407	0.200	15.0	19796.1	-2170.5
259	-11.57	0.407	0.200	15.0	19800.4	-2170.9
260	-11.46	0.407	0.200	15.0	19804.0	-2171.3
261	-11.36	0.407	0.200	15.0	19806.8	-2171.6
262	-11.25	0.407	0.176	14.5	19808.8	-2171.9
263	-11.14	0.407	0.176	14.5	19810.0	-2172.0
264	-11.03	0.406	0.176	14.5	19810.5	-2172.0
265	-10.92	0.406	0.176	14.5	19810.2	-2172.0
266	-10.81	0.406	0.176	14.5	19809.1	-2171.9
267	-10.70	0.406	0.176	14.5	19807.3	-2171.7
268	-10.59	0.406	0.176	14.5	19808.5	-2171.8
269	-10.48	0.406	0.176	14.5	19877.0	-2179.3
270	-10.37	0.406	18.300	0.0	28327.5	-3105.9
271	-10.27	0.405	0.176	14.5	20011.8	-2194.1
272	-10.16	0.405	0.176	14.5	20078.0	-2201.4
273	-10.05	0.405	0.176	14.5	20029.5	-2196.0
274	-9.94	0.405	0.176	14.5	19862.2	-2177.7
275	-9.83	0.405	0.176	14.5	19694.2	-2159.3
276	-9.72	0.405	0.176	14.5	19611.3	-2150.2
277	-9.61	0.405	0.176	14.5	19666.3	-2156.2
278	-9.51	0.405	18.300	0.0	28062.0	-3076.7
279	-9.40	0.404	18.300	0.0	28132.5	-3084.5
280	-9.29	0.404	0.176	14.5	19826.7	-2173.8
281	-9.18	0.404	0.176	14.5	19878.7	-2179.5
282	-9.07	0.404	0.176	14.5	19929.9	-2185.1
283	-8.96	0.404	0.176	14.5	19980.4	-2190.7
284	-8.85	0.404	0.176	14.5	20030.1	-2196.1
285	-8.75	0.404	0.176	14.5	20079.0	-2201.5
286	-8.64	0.404	0.176	14.5	20127.2	-2206.8
287	-8.53	0.403	0.176	14.5	20174.7	-2212.0
288	-8.42	0.403	0.176	14.5	20042.1	-2197.4
289	-8.31	0.403	0.176	14.5	19889.7	-2180.7
290	-8.21	0.403	0.176	14.5	19736.6	-2163.9
291	-8.10	0.403	0.176	14.5	19582.7	-2147.1
292	-7.99	0.403	0.176	14.5	19428.1	-2130.1
293	-7.88	0.403	0.176	14.5	19272.8	-2113.1
294	-7.77	0.403	0.176	14.5	19116.7	-2096.0
295	-7.66	0.403	0.176	14.5	18959.9	-2078.8
296	-7.56	0.402	0.176	14.5	18802.3	-2061.5
297	-7.45	0.402	0.176	14.5	18644.0	-2044.1
298	-7.34	0.402	0.176	14.5	18484.9	-2026.7
299	-7.23	0.402	0.176	14.5	18325.1	-2009.2
300	-7.13	0.402	0.176	14.5	18164.6	-1991.6
301	-7.02	0.402	0.176	14.5	18003.3	-1973.9
302	-6.91	0.402	0.176	14.5	17857.2	-1957.9
303	-6.80	0.402	0.176	14.5	17806.0	-1952.3
304	-6.69	0.402	0.176	14.5	17754.0	-1946.6
305	-6.59	0.402	0.176	14.5	17701.3	-1940.8
306	-6.48	0.402	0.176	14.5	17647.9	-1934.9
307	-6.37	0.401	0.176	14.5	17593.7	-1929.0
308	-6.26	0.401	0.176	14.5	17538.7	-1923.0
309	-6.16	0.401	0.200	15.0	17482.8	-1916.8
310	-6.05	0.401	0.200	15.0	17426.3	-1910.6
311	-5.94	0.401	0.200	15.0	17368.9	-1904.3
312	-5.83	0.401	0.200	15.0	17310.9	-1898.0
313	-5.73	0.401	0.200	15.0	17252.1	-1891.5
314	-5.62	0.401	0.200	15.0	17192.6	-1885.0
315	-5.51	0.401	0.200	15.0	17132.3	-1878.4
316	-5.40	0.401	0.200	15.0	17071.4	-1871.7
317	-5.30	0.401	0.200	15.0	17009.6	-1864.9

318	-5.19	0.401	0.200	15.0	16947.2	-1858.1
319	-5.08	0.401	0.200	15.0	16884.0	-1851.2
320	-4.97	0.400	0.200	15.0	16902.5	-1853.2
321	-4.86	0.400	0.200	15.0	16924.6	-1855.6
322	-4.76	0.400	18.300	0.0	24272.8	-2661.3
323	-4.65	0.400	0.200	15.0	16966.6	-1860.2
324	-4.54	0.400	0.200	15.0	16876.1	-1850.3
325	-4.43	0.400	0.200	15.0	16093.6	-1764.5
326	-4.33	0.400	0.200	15.0	15310.3	-1678.6
327	-4.22	0.400	18.300	0.0	21799.2	-2390.1
328	-4.11	0.400	18.300	0.0	21813.8	-2391.7
329	-4.01	0.400	18.300	0.0	21827.3	-2393.2
330	-3.90	0.400	0.200	15.0	15140.9	-1660.1
331	-3.79	0.400	0.200	15.0	15155.5	-1661.7
332	-3.68	0.400	0.200	15.0	15169.3	-1663.2
333	-3.58	0.400	0.200	15.0	15182.5	-1664.6
334	-3.47	0.400	0.200	15.0	15194.9	-1666.0
335	-3.36	0.400	0.200	15.0	15206.6	-1667.3
336	-3.26	0.400	0.200	15.0	15217.5	-1668.5
337	-3.15	0.400	0.200	15.0	15227.7	-1669.6
338	-3.04	0.400	0.200	15.0	15237.2	-1670.6
339	-2.93	0.400	0.200	15.0	15255.0	-1672.6
340	-2.83	0.399	0.200	15.0	15273.4	-1674.6
341	-2.72	0.399	0.200	15.0	15291.0	-1676.5
342	-2.61	0.399	0.200	15.0	15307.9	-1678.4
343	-2.51	0.399	0.200	15.0	15324.1	-1680.1
344	-2.40	0.399	0.200	15.0	15339.5	-1681.8
345	-2.29	0.399	0.200	15.0	15354.3	-1683.5
346	-2.18	0.399	0.200	15.0	15368.2	-1685.0
347	-2.08	0.399	0.200	15.0	15381.5	-1686.4
348	-1.97	0.399	0.200	15.0	15394.1	-1687.8
349	-1.86	0.399	0.200	15.0	15405.9	-1689.1
350	-1.76	0.399	0.200	15.0	15417.0	-1690.3
351	-1.65	0.399	0.200	15.0	15427.3	-1691.5
352	-1.54	0.399	0.200	15.0	15437.0	-1692.5
353	-1.43	0.399	0.200	15.0	15445.9	-1693.5
354	-1.33	0.399	0.200	15.0	15454.1	-1694.4
355	-1.22	0.399	0.200	15.0	15461.6	-1695.2
356	-1.11	0.399	0.200	15.0	15468.3	-1696.0
357	-1.01	0.399	0.200	15.0	15474.4	-1696.6
358	-0.90	0.399	0.200	15.0	15479.7	-1697.2
359	-0.79	0.399	0.200	15.0	15484.2	-1697.7
360	-0.68	0.399	0.200	15.0	15488.1	-1698.1
361	-0.58	0.399	0.200	15.0	15407.5	-1689.3
362	-0.47	0.399	0.200	15.0	14735.7	-1615.6
363	-0.36	0.399	0.200	15.0	14385.0	-1577.2
364	-0.26	0.399	0.200	15.0	14370.5	-1575.6
365	-0.15	0.399	0.200	15.0	14357.5	-1574.2
366	-0.04	0.399	0.200	15.0	14343.8	-1572.7
367	0.06	0.399	0.200	15.0	14329.4	-1571.1
368	0.17	0.399	0.200	15.0	14314.2	-1569.4
369	0.28	0.399	0.200	15.0	14298.4	-1567.7
370	0.38	0.399	0.200	15.0	14281.8	-1565.9
371	0.49	0.399	0.200	15.0	14264.5	-1564.0
372	0.60	0.399	0.200	15.0	14246.5	-1562.0
373	0.71	0.399	0.200	15.0	14227.7	-1559.9
374	0.81	0.399	0.200	15.0	14208.2	-1557.8
375	0.92	0.399	0.200	15.0	14188.0	-1555.6
376	1.03	0.399	0.200	15.0	14134.8	-1549.8
377	1.13	0.399	0.200	15.0	14089.4	-1544.8
378	1.24	0.399	0.200	15.0	14066.1	-1542.2
379	1.35	0.399	0.200	15.0	14042.1	-1539.6
380	1.46	0.399	0.200	15.0	14017.4	-1536.9
381	1.56	0.399	0.200	15.0	13991.9	-1534.1
382	1.67	0.399	0.200	15.0	13965.8	-1531.2
383	1.78	0.399	0.200	15.0	13938.9	-1528.3
384	1.88	0.399	0.200	15.0	13911.3	-1525.2
385	1.99	0.399	0.200	15.0	13882.9	-1522.1
386	2.10	0.399	0.200	15.0	13853.8	-1518.9
387	2.21	0.399	0.200	15.0	13824.0	-1515.7
388	2.31	0.399	0.200	15.0	13792.4	-1512.2

389	2.42	0.399	0.200	15.0	13746.8	-1507.2
390	2.53	0.399	0.200	15.0	13700.4	-1502.1
391	2.63	0.399	0.200	15.0	13653.3	-1497.0
392	2.74	0.399	0.200	15.0	13605.5	-1491.7
393	2.85	0.399	0.200	15.0	13546.2	-1485.2
394	2.95	0.400	0.200	15.0	13483.0	-1478.3
395	3.06	0.400	0.200	15.0	13419.0	-1471.3
396	3.17	0.400	0.200	15.0	13354.2	-1464.2
397	3.28	0.400	0.200	15.0	13233.6	-1450.9
398	3.38	0.400	0.200	15.0	13039.7	-1429.7
399	3.49	0.400	0.200	15.0	12845.0	-1408.3
400	3.60	0.400	0.200	15.0	12649.6	-1386.9
401	3.71	0.400	0.200	15.0	12453.5	-1365.4
402	3.81	0.400	0.200	15.0	12256.6	-1343.8
403	3.92	0.400	0.200	15.0	12059.0	-1322.2
404	4.03	0.400	0.200	15.0	11860.7	-1300.4
405	4.14	0.400	0.200	15.0	11661.7	-1278.6
406	4.24	0.400	0.200	15.0	11474.1	-1258.0
407	4.35	0.400	0.200	15.0	11291.4	-1238.0
408	4.46	0.400	0.200	15.0	11107.9	-1217.9
409	4.56	0.400	0.200	15.0	10923.7	-1197.7
410	4.67	0.400	0.200	15.0	10738.8	-1177.4
411	4.78	0.400	0.200	15.0	10615.0	-1163.8
412	4.89	0.400	0.200	15.0	10508.7	-1152.2
413	4.99	0.401	0.200	15.0	10401.7	-1140.5
414	5.10	0.401	0.200	15.0	10293.9	-1128.6
415	5.21	0.401	0.200	15.0	10185.4	-1116.7
416	5.32	0.401	0.200	15.0	10076.2	-1104.8
417	5.42	0.401	0.200	15.0	9966.2	-1092.7
418	5.53	0.401	0.200	15.0	9855.5	-1080.6
419	5.64	0.401	0.200	15.0	9744.1	-1068.4
420	5.75	0.401	0.200	15.0	9631.9	-1056.1
421	5.85	0.401	0.200	15.0	9519.0	-1043.7
422	5.96	0.401	0.200	15.0	9405.4	-1031.2
423	6.07	0.401	0.200	15.0	9291.0	-1018.7
424	6.18	0.401	0.200	15.0	9175.9	-1006.1
425	6.28	0.401	0.200	15.0	9060.1	-993.4
426	6.39	0.401	0.200	15.0	8943.5	-980.6
427	6.50	0.402	0.200	15.0	8826.2	-967.7
428	6.61	0.402	0.200	15.0	8708.1	-954.8
429	6.71	0.402	0.200	15.0	8589.3	-941.7
430	6.82	0.402	0.200	15.0	8474.5	-929.2
431	6.93	0.402	0.200	15.0	8373.1	-918.0
432	7.04	0.402	0.200	15.0	8271.0	-906.8
433	7.15	0.402	0.200	15.0	8168.1	-895.6
434	7.25	0.402	0.200	15.0	8064.5	-884.2
435	7.36	0.402	0.200	15.0	7960.2	-872.8
436	7.47	0.402	0.200	15.0	7855.1	-861.2
437	7.58	0.403	0.200	15.0	7749.2	-849.6
438	7.69	0.403	0.200	15.0	7642.7	-837.9
439	7.79	0.403	0.200	15.0	7525.4	-825.1
440	7.90	0.403	0.200	15.0	7386.8	-809.9
441	8.01	0.403	0.200	15.0	7247.4	-794.6
442	8.12	0.403	0.200	15.0	7107.3	-779.3
443	8.23	0.403	0.200	15.0	6966.5	-763.8
444	8.34	0.403	0.200	15.0	6824.9	-748.3
445	8.44	0.403	0.200	15.0	6682.5	-732.7
446	8.55	0.403	0.200	15.0	6539.4	-717.0
447	8.66	0.404	0.200	15.0	6395.6	-701.2
448	8.77	0.404	0.200	15.0	6265.0	-686.9
449	8.88	0.404	0.200	15.0	6141.7	-673.4
450	8.98	0.404	0.200	15.0	6017.7	-659.8
451	9.09	0.404	0.200	15.0	5893.1	-646.1
452	9.20	0.404	0.200	15.0	5767.8	-632.4
453	9.31	0.404	0.200	15.0	5642.0	-618.6
454	9.42	0.404	0.200	15.0	5515.5	-604.7
455	9.53	0.405	0.200	15.0	5446.5	-597.2
456	9.63	0.405	0.200	15.0	5394.9	-591.5
457	9.74	0.405	0.200	15.0	5342.7	-585.8
458	9.85	0.405	0.200	15.0	5289.8	-580.0
459	9.96	0.405	0.200	15.0	5236.3	-574.1

460	10.07	0.405	0.200	15.0	5182.2	-568.2
461	10.18	0.405	0.200	15.0	5118.9	-561.2
462	10.29	0.406	0.200	15.0	4992.9	-547.4
463	10.40	0.406	0.200	15.0	4866.3	-533.5
464	10.50	0.406	0.200	15.0	4739.0	-519.6
465	10.61	0.406	0.200	15.0	4611.1	-505.6
466	10.72	0.406	0.200	15.0	4482.6	-491.5
467	10.83	0.406	0.200	15.0	4353.4	-477.3
468	10.94	0.406	0.200	15.0	4223.7	-463.1
469	11.05	0.407	0.200	15.0	4093.2	-448.8
470	11.16	0.407	0.200	15.0	3962.2	-434.4
471	11.27	0.407	0.200	15.0	3830.5	-420.0
472	11.38	0.407	0.200	15.0	3698.2	-405.5
473	11.49	0.407	0.200	15.0	3565.2	-390.9
474	11.59	0.407	0.200	15.0	3431.6	-376.2
475	11.70	0.407	0.200	15.0	3323.9	-364.4
476	11.81	0.408	0.200	15.0	3243.5	-355.6
477	11.92	0.408	0.200	15.0	3162.4	-346.7
478	12.03	0.408	0.200	15.0	3080.6	-337.8
479	12.14	0.408	0.200	15.0	2998.3	-328.7
480	12.25	0.408	0.200	15.0	2872.6	-315.0
481	12.36	0.408	0.200	15.0	2738.8	-300.3
482	12.47	0.409	0.200	15.0	2604.3	-285.5
483	12.58	0.409	0.200	15.0	2469.2	-270.7
484	12.69	0.409	0.200	15.0	2333.4	-255.8
485	12.80	0.409	0.200	15.0	2197.0	-240.9
486	12.91	0.409	0.200	15.0	2060.0	-225.9
487	13.02	0.410	0.200	15.0	1922.3	-210.8
488	13.13	0.410	0.200	15.0	1784.0	-195.6
489	13.24	0.410	0.200	15.0	1645.0	-180.4
490	13.35	0.410	0.200	15.0	1505.4	-165.1
491	13.46	0.410	0.200	15.0	1365.1	-149.7
492	13.57	0.410	0.200	15.0	1224.2	-134.2
493	13.68	0.411	0.200	15.0	1082.6	-118.7
494	13.79	0.411	0.200	15.0	940.4	-103.1
495	13.90	0.411	0.200	15.0	797.5	-87.4
496	14.01	0.411	0.200	15.0	654.0	-71.7
497	14.12	0.411	0.200	15.0	509.8	-55.9
498	14.23	0.412	0.200	15.0	365.0	-40.0
499	14.34	0.412	0.200	15.0	219.5	-24.1
500	14.45	0.412	0.200	15.0	73.3	-8.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	6523.3	20542.9	-3440.6	793.3	-156.2
2	11092.2	20132.2	-1901.8	948.2	-465.2
3	9197.7	19884.9	2731.9	1101.3	-769.8
4	6799.6	20391.1	2401.6	577.8	-1039.9
5	4874.4	21003.1	2217.4	681.0	-1241.0
6	2803.3	21719.2	2458.0	783.0	-1439.3
7	560.9	22537.7	2715.9	883.8	-1634.8
8	-1878.5	23456.8	2991.3	983.4	-1827.4
9	-4538.1	24474.9	3282.7	1081.8	-2017.4
10	-7443.0	25590.4	3591.6	1179.1	-2204.5
11	-10614.9	26801.5	3915.3	1275.3	-2389.0
12	-14077.0	28106.7	4255.1	1370.4	-2570.9
13	-17851.8	29504.4	4610.7	1464.3	-2750.1
14	-21960.4	30993.0	4980.9	1557.3	-2927.0
15	-26424.5	32570.9	5366.4	1649.1	-3101.0
16	-31263.9	34236.4	5765.9	1739.9	-3272.6
17	-36498.4	35988.3	6179.2	1829.8	-3441.9
18	-42148.3	37824.9	6607.0	1918.6	-3608.6
19	-48232.9	39744.7	7048.4	2006.4	-3772.9
20	-54769.7	41746.2	7502.4	2093.2	-3934.9
21	-61777.9	43828.1	7970.1	2179.1	-4094.6
22	-69275.2	45988.8	8450.5	2264.1	-4251.9
23	-77277.8	48227.0	8942.5	2348.2	-4407.0
24	-85803.4	50541.1	9447.3	2431.3	-4559.8

25	-94868.0	52929.8	9963.9	2513.5	-4710.2
26	-104487.2	55391.7	10491.6	2594.9	-4858.7
27	-114676.8	57925.5	11031.1	2675.4	-5004.9
28	-125451.7	60529.9	11581.3	2755.0	-5149.0
29	-136827.5	63203.3	12143.1	2833.8	-5290.8
30	-140931.1	65928.6	7119.4	2895.2	-5399.3
31	-143799.5	68680.2	6317.0	2930.7	-5458.5
32	-146494.4	71457.1	6263.8	2965.6	-5516.0
33	-149010.1	74258.7	6205.8	2999.9	-5572.4
34	-151343.8	77084.0	6145.2	3033.7	-5627.4
35	-153488.7	79932.5	6078.8	3067.0	-5681.1
36	-155441.4	82803.2	6009.3	3099.7	-5733.7
37	-157198.2	85695.5	5936.4	3131.9	-5784.9
38	-158756.3	88608.3	5860.8	3163.5	-5834.7
39	-160108.6	91541.3	5779.3	3194.7	-5883.6
40	-161255.1	94493.4	5697.0	3225.2	-5931.0
41	-162188.9	97463.9	5609.0	3255.3	-5977.2
42	-164974.0	100452.2	6995.8	3285.0	-6022.4
43	-174636.9	103475.8	12011.9	3333.8	-6102.7
44	-184714.9	106541.8	12420.7	3390.6	-6197.6
45	-195127.9	109649.1	12772.5	3446.7	-6290.8
46	-205880.6	112796.6	13127.6	3502.2	-6382.2
47	-216975.1	115983.6	13484.2	3557.2	-6472.6
48	-228415.6	119209.1	13843.8	3611.6	-6561.3
49	-240204.9	122471.9	14205.6	3665.4	-6648.3
50	-252345.0	125771.3	14568.8	3718.6	-6734.0
51	-264839.2	129106.1	14934.6	3771.3	-6818.1
52	-277689.1	132475.7	15301.3	3823.4	-6900.9
53	-290898.1	135878.6	15670.9	3874.8	-6981.8
54	-304467.0	139314.4	16040.8	3925.8	-7061.8
55	-318396.7	142781.9	16411.4	3976.2	-7140.0
56	-332683.9	146279.8	16778.6	4025.5	-7216.0
57	-347336.2	149807.3	17151.5	4074.2	-7290.5
58	-362355.2	153363.4	17525.7	4122.4	-7363.6
59	-377742.0	156947.2	17900.6	4170.2	-7435.5
60	-393498.0	160557.8	18276.8	4217.4	-7505.9
61	-409624.6	164194.7	18653.8	4264.1	-7575.3
62	-426122.9	167856.4	19032.0	4310.3	-7642.9
63	-442993.3	171542.7	19410.2	4356.1	-7709.7
64	-460237.4	175252.4	19790.0	4401.3	-7774.8
65	-477855.1	178985.0	20169.4	4446.2	-7839.2
66	-495847.8	182739.4	20550.2	4490.5	-7901.9
67	-513946.2	186515.8	20734.7	4535.1	-7965.1
68	-521840.7	190308.5	13362.0	4574.0	-8017.4
69	-529508.8	194107.7	13268.9	4601.2	-8049.0
70	-537092.5	197912.5	13279.3	4628.0	-8079.4
71	-544589.7	201722.7	13287.4	4654.6	-8109.2
72	-551998.8	205537.5	13294.0	4680.7	-8138.0
73	-559318.0	209356.1	13298.7	4706.4	-8165.6
74	-566545.4	213178.3	13301.3	4731.9	-8192.7
75	-573680.0	217003.4	13302.7	4756.9	-8218.7
76	-580722.6	220830.6	13304.1	4781.6	-8243.6
77	-587665.6	224659.7	13299.4	4806.0	-8268.0
78	-594511.1	228490.0	13295.6	4830.0	-8291.4
79	-601257.2	232320.8	13290.0	4853.6	-8313.7
80	-604253.0	236151.9	10582.9	4877.0	-8335.6
81	-593632.8	239970.9	540.8	4885.1	-8331.1
82	-582267.2	243772.1	7.4	4886.5	-8314.5
83	-570240.1	247555.5	-465.3	4887.7	-8297.7
84	-557556.1	251320.9	-935.8	4888.7	-8280.7
85	-544219.4	255067.7	-1404.3	4889.3	-8262.7
86	-530229.8	258795.7	-1874.4	4889.8	-8244.5
87	-515598.3	262504.7	-2337.5	4890.1	-8225.6
88	-500326.6	266194.4	-2800.7	4890.0	-8206.2
89	-484414.2	269864.5	-3265.3	4889.8	-8186.6
90	-467876.4	273514.9	-3719.8	4889.4	-8166.4
91	-450704.5	277145.2	-4182.1	4888.7	-8145.6
92	-445824.3	280755.4	5010.9	4887.8	-8124.7
93	-459481.6	284368.0	18942.4	4917.4	-8154.5
94	-473373.9	287984.5	19205.6	4949.4	-8188.0
95	-487460.5	291604.5	19438.3	4981.2	-8220.7

96	-501747.5	295227.3	19675.3	5012.6	-8252.6
97	-516231.4	298852.4	19909.6	5043.7	-8283.6
98	-530909.9	302479.4	20141.9	5074.5	-8314.0
99	-545788.2	306107.5	20378.1	5105.0	-8343.2
100	-560856.3	309736.2	20606.5	5135.1	-8371.7
101	-576113.2	313364.9	20834.1	5165.0	-8399.2
102	-591565.1	316993.3	21066.0	5194.6	-8426.3
103	-607208.6	320620.6	21295.4	5223.8	-8452.1
104	-623041.4	324246.4	21522.7	5252.7	-8477.3
105	-639043.0	327869.2	21731.5	5279.9	-8499.4
106	-655190.0	331486.5	21917.7	5304.1	-8516.3
107	-671513.6	335097.8	22127.4	5327.9	-8532.3
108	-688019.8	338702.9	22341.2	5351.7	-8548.0
109	-704704.5	342301.0	22552.0	5375.0	-8562.6
110	-721564.7	345891.9	22760.0	5398.2	-8576.8
111	-738599.9	349475.0	22967.7	5421.0	-8590.0
112	-755807.7	353050.0	23173.2	5443.6	-8602.9
113	-773182.6	356616.5	23374.2	5466.0	-8615.0
114	-790736.2	360173.9	23584.2	5488.1	-8626.3
115	-853563.9	365779.5	34832.9	3304.7	-8657.9
116	-876609.9	371403.6	16739.6	3328.3	-8698.3
117	-899993.8	377045.5	16956.2	3351.7	-8737.5
118	-923745.1	382705.9	17187.7	3375.8	-8778.4
119	-947857.2	388384.8	17416.8	3400.0	-8819.2
120	-931143.3	392263.1	219.3	5392.3	-8858.8
121	-951556.2	396152.1	22424.4	5422.3	-8897.2
122	-972188.3	400051.5	22640.2	5452.0	-8934.9
123	-993045.2	403960.1	22859.1	5481.3	-8971.2
124	-1014124.7	407877.3	23076.3	5510.3	-9006.7
125	-1035421.1	411802.3	23289.9	5539.0	-9041.0
126	-1056943.8	415734.7	23508.7	5567.5	-9074.7
127	-1078686.4	419673.1	23723.6	5595.6	-9106.7
128	-1100651.6	423617.3	23939.7	5623.5	-9138.2
129	-1122829.1	427566.5	24149.3	5651.0	-9168.5
130	-1135630.0	431527.4	18607.6	5675.6	-9203.1
131	-1143649.5	435499.1	15802.6	5693.9	-9230.7
132	-1151635.6	439480.6	15842.2	5711.9	-9257.2
133	-1159581.5	443471.1	15877.5	5729.9	-9282.7
134	-1167476.5	447469.6	15906.0	5747.6	-9307.2
135	-1175591.0	451485.9	16087.3	5760.3	-9336.6
136	-1183841.9	455526.1	16212.3	5769.8	-9369.4
137	-1192095.3	459589.0	16256.6	5779.2	-9400.7
138	-1200324.8	463673.6	16284.8	5788.3	-9430.8
139	-1208545.4	467779.2	16321.6	5797.4	-9460.3
140	-1216744.4	471904.8	16350.4	5806.3	-9488.4
141	-1224929.2	476049.4	16383.5	5815.1	-9515.6
142	-1232451.8	480212.3	16025.1	5823.8	-9541.9
143	-1196776.9	484385.3	-10021.5	5824.7	-9552.8
144	-1160033.9	488556.0	-10679.9	5813.1	-9539.8
145	-1122467.4	492723.8	-11191.7	5801.4	-9526.1
146	-1084095.2	496888.3	-11693.5	5789.6	-9511.9
147	-1044905.0	501048.8	-12203.6	5777.7	-9496.9
148	-1004896.7	505204.3	-12715.9	5765.2	-9480.4
149	-964032.1	509352.0	-13254.8	5751.2	-9459.6
150	-922332.3	513491.1	-13781.4	5737.4	-9438.4
151	-879827.5	517620.9	-14290.5	5723.5	-9416.2
152	-836513.4	521740.9	-14803.1	5709.6	-9393.6
153	-792386.4	525850.8	-15318.5	5695.7	-9370.6
154	-747461.1	529949.6	-15826.2	5681.5	-9346.3
155	-701732.7	534037.5	-16337.5	5667.4	-9322.4
156	-655200.6	538113.5	-16850.0	5653.1	-9297.4
157	-607877.9	542177.3	-17355.5	5638.8	-9271.9
158	-559773.8	546228.9	-17854.9	5625.0	-9247.0
159	-510890.4	550268.8	-18352.2	5612.0	-9223.3
160	-461236.6	554295.9	-18845.0	5598.8	-9198.3
161	-410784.2	558310.6	-19355.6	5585.7	-9173.7
162	-359563.4	562311.9	-19848.8	5572.4	-9148.1
163	-307565.6	566299.4	-20347.9	5559.0	-9121.9
164	-254792.0	570272.5	-20847.3	5545.5	-9095.1
165	-201249.7	574231.2	-21342.9	5532.1	-9068.3
166	-146961.4	578174.9	-21825.6	5518.5	-9040.7

167	-91899.9	582103.2	-22325.7	5504.9	-9012.7
168	-36034.8	586012.9	-22842.4	5492.5	-8982.7
169	20680.4	589898.6	-23383.5	5482.4	-8949.4
170	78141.1	593759.9	-23861.5	5472.2	-8915.5
171	136325.6	597596.6	-24326.7	5461.9	-8881.5
172	195241.1	601408.2	-24797.3	5451.6	-8846.9
173	254862.9	605194.5	-25253.5	5441.2	-8811.9
174	315195.9	608955.5	-25713.2	5430.8	-8777.0
175	376233.7	612690.2	-26170.0	5420.2	-8741.0
176	437954.6	616398.7	-26614.3	5409.5	-8704.8
177	500220.7	620087.9	-26981.7	5395.3	-8672.4
178	563170.0	623757.0	-27434.7	5380.9	-8639.1
179	626411.1	627406.1	-27647.7	5366.5	-8605.7
180	688003.6	631035.6	-26664.8	5353.0	-8573.7
181	750216.4	634645.2	-27077.3	5339.9	-8541.7
182	813064.5	638234.7	-27499.8	5326.8	-8509.6
183	876538.8	641803.9	-27917.2	5313.6	-8476.9
184	940642.8	645352.5	-28337.6	5300.3	-8444.1
185	1005358.9	648879.9	-28747.9	5286.9	-8410.5
186	1070741.7	652382.5	-29188.7	5275.3	-8374.9
187	1136776.9	655857.0	-29618.4	5264.9	-8337.4
188	1203390.2	659303.2	-30003.1	5254.5	-8299.4
189	1270567.8	662721.0	-30379.7	5244.0	-8261.3
190	1338309.0	666110.1	-30756.5	5233.4	-8222.8
191	1406607.1	669469.8	-31130.0	5222.7	-8183.6
192	1475451.4	672800.2	-31497.5	5212.0	-8144.3
193	1544827.2	676101.3	-31856.4	5201.2	-8105.0
194	1614738.9	679372.7	-32218.6	5190.3	-8065.3
195	1685167.3	682614.1	-32569.6	5179.3	-8025.2
196	1756097.4	685825.3	-32912.0	5168.2	-7984.7
197	1827535.5	689006.0	-33258.8	5157.1	-7943.9
198	1899451.0	692156.1	-33587.2	5145.9	-7903.0
199	1971866.0	695275.5	-33930.0	5134.6	-7861.8
200	2044752.5	698363.9	-34256.0	5123.2	-7820.3
201	2118108.5	701421.3	-34581.1	5111.8	-7778.7
202	2191904.5	704447.1	-34888.8	5100.2	-7736.5
203	2266156.1	707441.1	-35206.7	5088.6	-7693.9
204	2340850.1	710403.6	-35516.7	5076.9	-7651.7
205	2415849.3	713340.6	-35722.7	5074.0	-7623.5
206	2491231.4	716256.6	-35976.0	5071.7	-7600.4
207	2567168.6	719151.4	-36337.2	5069.4	-7577.0
208	2643554.6	722024.8	-36632.6	5067.0	-7553.4
209	2720284.2	724876.4	-36862.9	5064.4	-7529.2
210	2797458.1	727705.6	-37156.7	5061.8	-7504.4
211	2875047.8	730512.1	-37433.3	5059.1	-7479.2
212	2953060.4	733295.8	-37714.7	5056.3	-7453.8
213	3031488.6	736056.0	-37992.2	5053.3	-7427.6
214	3110322.3	738793.0	-38263.7	5050.4	-7401.7
215	3189562.3	741506.0	-38536.3	5047.3	-7374.9
216	3269176.7	744195.1	-38789.5	5044.2	-7348.0
217	3349165.8	746860.2	-39040.3	5042.3	-7322.3
218	3429572.5	749497.0	-39304.7	5046.7	-7297.9
219	3510328.3	752105.2	-39526.6	5050.9	-7273.4
220	3591436.4	754685.0	-39750.7	5055.1	-7248.8
221	3672856.6	757235.6	-39950.4	5059.2	-7223.4
222	3754612.1	759756.9	-40164.9	5063.2	-7197.8
223	3836395.6	762269.0	-40083.1	5113.8	-7235.4
224	3919041.7	764737.3	-40699.4	5086.3	-7166.1
225	4001886.9	767162.1	-40898.9	5058.8	-7097.2
226	4084916.4	769542.8	-41089.8	5031.2	-7027.7
227	4168155.0	771880.2	-41296.5	5003.6	-6958.8
228	4251555.4	774174.0	-41474.0	4975.8	-6889.7
229	4335117.6	776424.7	-41651.9	4948.1	-6820.9
230	4345349.3	778637.4	4532.5	4922.6	-6759.3
231	4305408.8	780827.7	36232.3	4935.8	-6749.1
232	4265068.9	782995.0	36536.7	4948.9	-6738.3
233	4224323.4	785139.3	36844.7	4961.9	-6727.2
234	4183168.1	787259.7	37155.6	4974.8	-6715.3
235	4141626.7	789356.0	37451.4	4987.7	-6703.0
236	4099680.5	791427.4	37759.1	5000.4	-6689.9
237	4057352.0	793474.2	38052.3	5013.0	-6676.9

238	4014615.5	795495.1	38362.0	5025.5	-6662.6
239	3971506.5	797490.5	38649.0	5037.9	-6648.5
240	3928010.0	799459.8	38945.4	5050.2	-6633.8
241	3884113.6	801402.2	39249.9	5062.4	-6618.3
242	3839859.8	803317.7	39527.3	5074.6	-6602.5
243	3795219.5	805205.8	39823.0	5086.6	-6586.2
244	3750204.3	807065.7	40111.7	5098.5	-6569.0
245	3704834.1	808897.7	40387.3	5110.4	-6552.0
246	3659094.4	810701.0	40672.3	5122.1	-6534.2
247	3613000.3	812475.5	40947.4	5133.7	-6516.2
248	3566541.7	814220.8	41229.0	5145.3	-6497.7
249	3519745.5	815936.2	41493.6	5156.8	-6478.3
250	3472584.9	817621.5	41775.2	5168.1	-6458.8
251	3425093.1	819276.5	42035.4	5179.4	-6438.8
252	3377268.5	820901.0	42296.5	5190.6	-6418.6
253	3329099.6	822493.9	42565.3	5201.7	-6397.3
254	3280600.7	824056.2	42823.6	5212.3	-6376.5
255	3231705.5	825591.7	43118.5	5220.2	-6356.9
256	3200167.3	827100.1	432077.1	5228.0	-6337.2
257	3197077.4	828578.3	13909.2	5222.4	-6301.7
258	3193852.8	830025.6	13988.2	5215.0	-6264.0
259	3190489.9	831441.8	14069.4	5207.4	-6226.0
260	3186965.4	832826.8	14165.3	5199.8	-6187.7
261	3183299.0	834180.4	14248.4	5192.1	-6149.2
262	3176159.6	835727.1	15753.8	4941.5	-6110.8
263	3173058.5	837241.9	13245.7	4933.8	-6071.8
264	3169807.8	838724.9	13329.5	4926.1	-6032.9
265	3166392.7	840175.6	13422.5	4918.3	-5993.4
266	3162838.1	841594.7	13499.8	4910.5	-5954.5
267	3159140.5	842981.5	13579.0	4902.5	-5914.9
268	3120676.9	844335.8	35150.4	4895.5	-5875.9
269	3053802.6	845661.3	52836.2	4906.7	-5857.4
270	3998769.6	780481.0	183000.0	79547.5	-8291.9
271	2688455.9	781747.2	825749.5	4929.0	-5818.7
272	2626309.5	782982.9	50051.5	4940.0	-5798.4
273	2744132.0	784181.4	-61915.7	4922.8	-5745.3
274	2863947.5	785335.8	-63289.3	4876.3	-5658.2
275	2983905.6	786447.0	-63511.9	4829.6	-5571.9
276	2942752.8	787518.2	36762.5	4806.1	-5510.3
277	2879855.6	788554.0	50362.8	4819.7	-5487.3
278	3806685.5	723246.9	183000.0	79126.0	-7775.7
279	3519347.7	657950.6	183000.0	79075.5	-7739.9
280	2236048.7	658877.7	812062.0	4860.1	-5416.1
281	2183355.2	659768.8	44213.9	4873.4	-5392.3
282	2130389.9	660622.7	44435.5	4886.7	-5367.3
283	2077178.8	661439.4	44640.8	4899.8	-5342.3
284	2023721.2	662218.3	44846.5	4912.8	-5316.5
285	1970023.3	662959.4	45048.1	4925.8	-5290.7
286	1916102.1	663662.0	45239.2	4938.7	-5264.2
287	1916946.9	664326.7	11010.1	4951.5	-5238.0
288	1998779.9	664950.5	-39782.3	4916.1	-5164.5
289	2080633.1	665534.2	-39906.2	4875.5	-5086.8
290	2162469.3	666078.6	-40007.1	4834.8	-5009.9
291	2244283.2	666583.7	-40105.1	4794.1	-4933.0
292	2326062.5	667050.4	-40195.6	4753.3	-4857.0
293	2407793.9	667478.8	-40278.3	4712.4	-4780.9
294	2489470.2	667869.8	-40356.5	4671.4	-4705.6
295	2571072.8	668223.4	-40423.8	4630.4	-4630.4
296	2652596.3	668540.6	-40487.6	4589.3	-4556.0
297	2734024.1	668821.5	-40541.6	4548.1	-4481.6
298	2815351.2	669066.9	-40592.5	4506.8	-4408.0
299	2896556.8	669277.3	-40630.6	4465.5	-4334.9
300	2977653.4	669453.4	-40677.0	4424.0	-4262.2
301	3058611.8	669595.8	-40705.1	4382.5	-4190.2
302	3089920.3	669704.2	-9527.2	4345.2	-4121.7
303	3093556.8	669777.8	7884.3	4333.5	-4076.2
304	3097016.3	669816.3	7971.4	4321.7	-4030.0
305	3100325.6	669820.5	8041.4	4309.8	-3984.9
306	3103461.1	669790.1	8126.1	4297.8	-3939.1
307	3106427.8	669725.0	8207.5	4285.7	-3893.4
308	3109242.4	669625.8	8278.3	4273.7	-3848.0

309	3114258.2	669286.4	7274.7	4484.1	-3802.3
310	3115761.1	668913.4	9546.9	4471.6	-3757.0
311	3117103.2	668506.8	9625.7	4458.9	-3711.8
312	3118274.1	668066.5	9711.3	4446.2	-3666.3
313	3119286.4	667592.9	9788.3	4433.3	-3621.2
314	3120127.6	667086.2	9873.3	4420.4	-3576.1
315	3120803.5	666546.3	9954.4	4407.4	-3530.8
316	3121325.0	665973.8	10028.0	4394.3	-3486.3
317	3121672.2	665368.8	10114.5	4381.1	-3441.5
318	3121862.0	664731.2	10189.8	4367.9	-3396.7
319	3095196.3	664061.4	27811.3	4354.5	-3352.1
320	3035845.2	663354.5	49335.9	4364.0	-3323.8
321	2976460.3	662610.1	49404.1	4374.6	-3296.1
322	3669360.9	595709.5	183000.0	77500.8	-4681.2
323	2573059.7	594890.0	732210.7	4395.6	-3240.4
324	2831909.5	594040.3	-160156.0	4375.3	-3191.5
325	3266745.7	593208.6	-276712.5	4162.3	-3012.7
326	3599472.9	592398.5	-210022.5	3949.1	-2837.4
327	4071756.2	524920.6	183000.0	77386.9	-3998.7
328	3631554.1	457424.0	183000.0	77365.9	-3960.5
329	3202707.7	389907.7	183000.0	77345.4	-3922.0
330	2236551.9	388976.3	647445.2	3923.0	-2691.9
331	2198488.4	388010.1	34471.5	3932.7	-2666.1
332	2160393.3	387008.8	34528.5	3942.2	-2639.8
333	2122282.7	385972.6	34574.5	3951.7	-2613.7
334	2084163.7	384901.4	34615.8	3961.1	-2587.3
335	2046038.0	383795.0	34655.4	3970.4	-2560.8
336	2007924.1	382653.5	34682.8	3979.6	-2534.1
337	1969826.6	381476.7	34706.7	3988.7	-2507.3
338	1931749.2	380264.3	34728.1	3997.8	-2480.0
339	1893658.2	379021.3	34762.5	4003.0	-2454.3
340	1855631.9	377748.5	34743.5	4007.6	-2428.7
341	1817674.3	376445.7	34721.4	4012.1	-2402.8
342	1779798.4	375112.7	34690.4	4016.5	-2376.8
343	1742014.9	373749.9	34652.0	4020.8	-2350.9
344	1704329.0	372356.5	34609.9	4025.1	-2324.2
345	1666745.4	370933.0	34564.3	4029.2	-2298.0
346	1629270.8	369478.7	34514.1	4033.3	-2271.0
347	1591917.8	367994.1	34454.9	4037.3	-2244.4
348	1554691.0	366479.0	34392.5	4041.2	-2217.4
349	1517594.9	364933.1	34326.7	4045.0	-2190.2
350	1480639.1	363356.5	34254.2	4048.7	-2162.9
351	1443835.0	361749.1	34173.8	4052.4	-2135.4
352	1407184.4	360111.0	34091.7	4056.0	-2108.1
353	1370696.6	358441.7	34003.3	4059.5	-2080.1
354	1334378.2	356741.4	33910.0	4062.9	-2052.3
355	1298242.7	355010.7	33807.0	4066.2	-2024.9
356	1262288.8	353248.5	33705.0	4069.4	-1996.5
357	1226530.7	351455.6	33592.8	4072.6	-1968.6
358	1190977.5	349631.5	33474.3	4075.6	-1940.2
359	1155629.7	347776.1	33355.1	4078.6	-1911.8
360	1120500.4	345889.5	33226.7	4081.5	-1883.2
361	1208137.5	343957.2	-48983.1	4089.6	-1844.8
362	1376859.8	342046.9	-103687.8	3948.7	-1736.8
363	1345474.7	340115.1	30312.8	3898.3	-1668.8
364	1314336.0	338155.3	30155.1	3897.4	-1639.9
365	1283355.5	336169.2	30053.6	3895.4	-1611.8
366	1252561.5	334156.8	29932.6	3893.3	-1583.6
367	1221947.4	332117.8	29816.1	3891.2	-1554.9
368	1191529.5	330052.6	29687.7	3888.9	-1526.7
369	1161309.0	327961.1	29558.5	3886.6	-1498.2
370	1131291.0	325843.6	29425.3	3884.1	-1470.0
371	1101483.5	323700.0	29286.4	3881.6	-1441.5
372	1071889.0	321530.3	29145.4	3879.0	-1413.0
373	1042519.4	319334.5	28996.1	3876.3	-1384.5
374	1013372.4	317113.1	28847.6	3873.5	-1356.2
375	984458.9	314865.8	28691.7	3870.6	-1327.7
376	955942.5	312577.1	28457.4	3881.3	-1296.2
377	927582.7	310251.3	28376.6	3888.4	-1265.7
378	899327.2	307900.0	28307.3	3885.6	-1237.5
379	871330.9	305522.8	28133.2	3882.7	-1209.1

380	843597.1	303120.0	27956.4	3879.8	-1180.7
381	816131.5	300691.6	27775.3	3876.7	-1152.3
382	788939.3	298238.1	27590.2	3873.6	-1124.2
383	762028.6	295759.3	27399.2	3870.3	-1095.9
384	735403.4	293255.4	27205.1	3867.0	-1067.7
385	709068.3	290726.4	27007.4	3863.6	-1039.5
386	683028.9	288172.8	26805.3	3860.0	-1011.6
387	657292.2	285594.2	26598.2	3856.4	-983.3
388	631868.6	282990.4	26384.7	3853.2	-955.2
389	606821.6	280355.9	26140.9	3855.6	-926.5
390	582081.2	277690.1	25944.4	3857.9	-897.5
391	557652.3	274993.7	25744.1	3860.0	-868.8
392	533543.2	272267.1	25537.4	3862.1	-840.5
393	509810.4	269505.0	25303.1	3868.8	-811.2
394	486422.2	266706.8	25093.1	3876.7	-782.4
395	463359.9	263872.4	24895.3	3884.6	-753.6
396	440636.3	261002.2	24688.3	3892.4	-724.9
397	449447.1	258107.9	3195.7	3884.3	-693.3
398	460014.2	255205.9	1924.9	3855.1	-658.7
399	470197.1	252297.0	2111.8	3825.9	-624.8
400	480001.0	249381.8	2295.1	3796.5	-591.4
401	489425.0	246461.5	2478.9	3766.9	-558.8
402	498470.0	243536.5	2662.0	3737.2	-526.8
403	507138.6	240608.2	2843.2	3707.4	-496.0
404	515429.9	237676.9	3024.8	3677.4	-465.3
405	523346.6	234743.6	3204.6	3647.4	-435.5
406	530843.9	231814.6	3402.3	3611.8	-407.0
407	537964.2	228892.9	3565.3	3573.7	-379.1
408	544737.3	225979.7	3707.6	3535.4	-352.1
409	551169.9	223075.4	3845.3	3497.0	-325.6
410	552375.7	220181.1	7331.2	3458.4	-300.0
411	540612.3	217282.4	16170.9	3437.6	-276.4
412	528992.6	214375.5	16036.6	3422.0	-253.8
413	517467.8	211460.7	15935.3	3406.3	-231.5
414	506046.1	208539.0	15828.0	3390.5	-209.8
415	494724.5	205610.3	15722.6	3374.6	-188.1
416	483509.4	202675.5	15612.2	3358.4	-167.2
417	472397.8	199735.1	15503.4	3342.2	-146.5
418	461392.7	196789.4	15392.4	3325.9	-126.2
419	450497.4	193839.1	15278.6	3309.4	-106.4
420	439709.9	190884.4	15165.8	3292.9	-86.7
421	429035.2	187926.4	15049.1	3276.1	-67.9
422	418471.0	184965.1	14933.7	3259.3	-49.1
423	408024.0	182001.3	14813.3	3242.3	-30.9
424	397690.6	179035.3	14695.0	3225.2	-12.9
425	387475.1	176068.0	14573.2	3208.0	4.4
426	377377.4	173099.6	14451.2	3190.6	21.4
427	367400.9	170131.1	14326.3	3173.1	37.8
428	357544.0	167162.6	14202.3	3155.5	54.0
429	347809.8	164195.1	14075.6	3137.7	69.5
430	335899.2	161227.5	15542.4	3121.1	84.8
431	323464.1	158256.5	15876.8	3108.7	99.8
432	311259.3	155282.6	15688.5	3096.1	114.2
433	299286.2	152306.1	15498.7	3083.4	128.6
434	287548.6	149327.7	15305.9	3070.6	142.4
435	276045.0	146347.8	15113.6	3057.6	155.7
436	264777.6	143367.1	14919.3	3044.5	168.7
437	253747.5	140386.1	14723.7	3031.3	181.3
438	242955.0	137405.1	14527.6	3017.9	193.5
439	235806.8	134428.0	11956.8	3001.5	204.9
440	229413.5	131461.3	11377.5	2978.7	215.4
441	223090.3	128506.0	11273.8	2955.8	225.2
442	216836.2	125562.6	11170.4	2932.8	234.6
443	210654.1	122632.0	11064.6	2909.5	243.3
444	204544.6	119714.6	10957.9	2886.2	251.6
445	198507.2	116811.2	10851.2	2862.7	259.3
446	192544.1	113922.6	10742.6	2839.0	266.4
447	186657.7	111049.7	10631.9	2815.2	272.7
448	180821.4	108198.3	10524.7	2784.8	279.3
449	175055.9	105371.9	10394.4	2750.7	285.8
450	169383.4	102571.3	10247.8	2716.4	291.6

451	163802.3	99797.3	10102.0	2681.8	297.1
452	158315.6	97050.6	9953.4	2646.9	301.9
453	152922.6	94332.0	9804.6	2611.8	306.2
454	145788.1	91642.2	10940.2	2576.5	310.1
455	133947.9	88962.3	14193.1	2558.5	316.8
456	122613.3	86286.5	13809.7	2545.8	324.4
457	111751.1	83615.3	13448.8	2533.0	331.6
458	101361.7	80949.3	13086.8	2519.9	338.7
459	91442.2	78288.6	12726.1	2506.6	345.6
460	81993.4	75633.9	12363.9	2493.0	352.0
461	76183.1	72988.6	9769.7	2476.7	357.8
462	72380.9	70375.2	8274.7	2441.1	358.7
463	68685.9	67794.3	8114.4	2405.3	359.2
464	65099.1	65246.9	7952.9	2369.2	359.1
465	61620.5	62733.8	7790.7	2332.9	358.4
466	58248.2	60255.5	7629.3	2296.3	357.4
467	54982.5	57813.1	7467.0	2259.3	355.6
468	51822.3	55407.3	7305.0	2222.2	353.4
469	48767.0	53038.9	7142.7	2184.7	350.5
470	45816.3	50708.8	6980.0	2147.0	347.1
471	42968.9	48417.6	6817.7	2109.0	343.2
472	40223.8	46166.3	6655.4	2070.8	338.7
473	37581.3	43955.8	6492.4	2032.2	333.5
474	35039.2	41786.9	6330.2	1993.3	327.8
475	30547.1	39650.2	7636.8	1962.5	324.2
476	26379.3	37535.5	7354.3	1940.0	322.8
477	22523.5	35443.6	7079.8	1917.3	321.1
478	18974.8	33375.0	6807.8	1894.4	318.9
479	16259.8	31330.4	6161.9	1871.2	316.4
480	14643.4	29327.3	5296.7	1834.4	308.8
481	13117.1	27369.5	5140.5	1794.9	299.9
482	11688.4	25458.1	4978.4	1755.1	290.4
483	10354.7	23593.6	4817.5	1715.1	280.3
484	9114.9	21777.3	4656.9	1674.7	269.6
485	7965.8	20009.8	4497.7	1634.0	258.3
486	6905.7	18292.1	4339.2	1593.0	246.3
487	5932.1	16625.2	4181.9	1551.7	233.7
488	5042.8	15009.9	4025.5	1510.1	220.5
489	4235.3	13447.1	3870.3	1468.2	206.7
490	3507.2	11937.9	3716.2	1426.0	192.2
491	2856.1	10483.1	3563.2	1383.4	177.0
492	2279.1	9083.8	3411.5	1340.5	161.2
493	1773.6	7740.8	3261.2	1297.3	144.8
494	1336.9	6455.1	3112.1	1253.7	127.7
495	966.3	5227.7	2964.4	1209.9	109.9
496	658.7	4059.6	2818.2	1165.6	91.5
497	411.4	2951.8	2673.5	1121.1	72.4
498	221.2	1905.2	2530.2	1076.2	52.5
499	85.1	921.0	2388.5	1031.0	32.0
500	0.0	0.0	2248.5	985.4	10.9

Σ

2563100.4

-2346226.7

VERIFICA STABILITA' DEI PENDII

Sezione F-F - Condizione Statica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
Prodotto dei coefficienti sismici : 0.000
Coefficiente sismico verticale : 0.000
Coefficiente riduzione attrito : 1.000
Coefficiente riduzione coesione : 1.000
Coeff. amplific. carichi esercizio : 1.000
Coeff. carichi esercizio per sisma : 1.000
Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo Nodo		X	Y
Pendio	1	215.700	186.740
Pendio	2	218.770	185.120
Pendio	3	229.220	190.050
Pendio	4	239.620	194.190
Pendio	5	254.400	196.540
Pendio	6	259.440	196.960
Pendio	7	264.370	196.480
Pendio	8	269.360	196.480
Pendio	9	280.110	195.330
Pendio	10	284.980	195.030
Pendio	11	289.490	194.310
Pendio	12	299.460	189.330
Pendio	13	309.800	183.680
Pendio	14	329.380	173.160
Pendio	15	329.740	172.500
Pendio	16	333.710	172.500
Pendio	17	341.040	171.720
Pendio	18	349.690	167.150
Pendio	19	359.670	163.490
Pendio	20	362.250	164.090
Pendio	21	376.070	164.090
Pendio	22	387.840	163.250
Pendio	23	400.580	162.830
Pendio	24	408.750	162.710
Pendio	25	410.560	161.330
Pendio	26	413.800	160.370
Pendio	27	417.050	157.840
Pendio	28	444.500	149.670
Pendio	29	459.770	144.560
Pendio	30	472.320	140.600
Pendio	31	495.400	134.590
Pendio	32	499.240	133.990
Pendio	33	502.000	133.030
Pendio	34	507.710	130.440
Pendio	35	510.960	129.300
Pendio	36	514.860	127.800
Pendio	37	518.050	127.320
Pendio	38	524.480	125.220
Pendio	39	527.720	124.490
Pendio	40	531.630	122.750
Pendio	41	541.540	118.730
Pendio	42	551.330	116.680
Pendio	43	566.180	113.200
Pendio	44	590.150	107.610
2	1	220.210	185.799
2	2	220.210	184.710
2	3	229.570	189.040

2	4	239.430	192.950
2	5	244.530	194.000
2	6	254.560	195.350
2	7	259.560	195.760
2	8	264.490	195.720
2	9	274.760	194.950
2	10	279.620	194.310
2	11	284.550	194.100
2	12	289.480	193.190
2	13	294.380	191.030
2	14	304.650	185.150
2	15	314.610	180.020
2	16	319.370	177.280
2	17	324.370	174.750
2	18	327.070	173.230
2	19	327.070	174.401
3	1	221.200	185.168
3	2	221.200	184.170
3	3	234.380	179.320
3	4	239.420	177.700
3	5	244.680	177.380
3	6	249.580	177.070
3	7	260.380	174.910
3	8	264.430	173.650
3	9	269.330	173.150
3	10	279.810	173.960
3	11	299.560	174.010
3	12	304.780	173.960
3	13	309.460	173.650
3	14	314.590	173.600
3	15	319.490	173.240
3	16	324.530	172.660
3	17	326.560	172.750
3	18	326.560	173.517
4	1	216.740	186.191
4	2	216.740	184.540
4	3	224.490	182.050
4	4	229.310	179.940
4	5	239.290	176.740
4	6	244.660	176.300
4	7	249.620	176.320
4	8	254.520	174.970
4	9	264.300	172.830
4	10	269.350	172.070
4	11	274.630	172.540
4	12	279.880	172.920
4	13	294.180	172.890
4	14	299.340	172.980
4	15	304.660	172.740
4	16	309.530	172.480
4	17	319.770	172.510
4	18	324.530	171.720
4	19	329.260	172.070
4	20	329.260	173.224
5	1	325.540	171.795
5	2	325.540	171.150
5	3	330.540	167.130
5	4	349.010	167.130
5	5	349.010	167.509
6	1	217.660	184.244
6	2	217.660	165.480
6	3	244.440	164.050
6	4	249.590	164.100
6	5	254.390	162.620
6	6	259.660	161.640
6	7	264.460	161.300
6	8	269.500	160.440
6	9	279.740	161.180
6	10	295.250	161.180
6	11	299.310	161.530
6	12	304.570	161.130

6	13	319.510	160.840
6	14	324.430	160.100
6	15	329.640	160.610
6	16	333.760	160.500
6	17	340.340	159.700
6	18	342.340	159.070
6	19	344.970	157.410
6	20	349.150	155.230
6	21	349.935	154.821
6	22	349.935	167.060
7	1	349.935	154.821
7	2	349.935	136.792
7	3	350.665	136.792
7	4	350.665	166.792
8	1	350.665	166.792
8	2	350.665	154.632
8	3	355.100	152.890
8	4	359.330	151.570
8	5	362.690	151.899
8	6	362.690	164.090
9	1	362.690	151.899
9	2	362.690	134.090
9	3	363.990	134.090
9	4	363.990	164.090
10	1	363.990	164.090
10	2	363.990	151.956
10	3	364.830	152.030
10	4	365.630	152.024
10	5	365.630	164.090
11	1	365.630	152.024
11	2	365.630	142.090
11	3	366.250	142.090
11	4	366.250	164.090
12	1	366.250	164.090
12	2	366.250	152.021
12	3	374.780	151.970
12	4	394.580	150.940
12	5	400.820	151.000
12	6	404.540	150.940
12	7	407.910	150.710
12	8	410.490	149.170
12	9	411.460	148.880
12	10	413.630	147.400
12	11	416.840	145.390
12	12	423.880	143.160
12	13	429.430	141.900
12	14	435.830	139.730
12	15	436.690	139.670
12	16	442.470	137.730
12	17	453.000	133.890
12	18	456.090	133.210
12	19	459.410	131.950
12	20	462.500	131.260
12	21	474.510	127.600
12	22	476.970	127.250
12	23	489.790	123.650
12	24	495.230	122.510
12	25	507.470	117.760
12	26	518.340	114.610
12	27	527.900	111.460
12	28	531.730	109.750
12	29	536.650	107.740
12	30	541.400	106.600
12	31	546.210	105.680
12	32	551.650	104.080
12	33	551.650	116.605

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPEERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
6	Fila 2	2500.0	18.30	0.00	1.00
7	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
8	Fila 4	2500.0	18.30	0.00	1.00
9	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
10	Fila 3	2500.0	18.30	0.00	1.00
11	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
12	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	366.72	285.36	128.86
2	395.03	323.33	172.21
3	379.83	327.09	172.28
4	394.04	310.78	159.92
5	369.42	294.04	138.16
6	398.41	333.55	182.96
7	407.15	375.90	225.21
8	383.12	314.73	161.14
9	382.94	291.06	139.61
10	384.68	320.98	169.53
11	415.12	384.57	234.44
12	419.46	410.55	262.69

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y

CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des

RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	366.72	285.36	128.86	2.071	1
2	395.03	323.33	172.21	2.078	1
3	379.83	327.09	172.28	1.907	1
4	394.04	310.78	159.92	2.331	1
5	369.42	294.04	138.16	2.026	1
6	398.41	333.55	182.96	2.138	1
7	407.15	375.90	225.21	2.056	1
8	383.12	314.73	161.14	2.057	1
9	382.94	291.06	139.61	2.163	1
10	384.68	320.98	169.53	2.017	1
11	415.12	384.57	234.44	2.199	1
12	419.46	410.55	262.69	2.129	1

CERCHIO CRITICO N° 3
 Larghezza del concio.....=0.297
 Situazione di carico numero 1
 Coefficiente di sicurezza F =1.907
 Coefficiente di forma =0.11733
 Coefficiente F/Fo =1.06284
 Numero iterazioni = 2
 Precisione =0.00087

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-40.64	0.391	0.120	19.6	72.0	0.0
2	-40.51	0.391	0.120	19.6	215.6	0.0
3	-40.38	0.390	0.120	19.6	358.5	0.0
4	-40.25	0.389	0.120	19.6	500.7	0.0
5	-40.12	0.388	0.008	19.6	632.8	0.0
6	-39.99	0.388	0.008	19.6	733.2	0.0
7	-39.86	0.387	0.008	19.6	829.9	0.0
8	-39.73	0.386	0.008	19.6	911.5	0.0
9	-39.60	0.386	0.008	19.6	992.7	0.0
10	-39.48	0.385	0.008	19.6	1073.4	0.0
11	-39.35	0.384	0.008	19.6	1153.7	0.0
12	-39.22	0.383	0.008	19.6	1233.6	0.0
13	-39.09	0.383	0.008	19.6	1313.0	0.0
14	-38.96	0.382	0.008	19.6	1392.0	0.0
15	-38.84	0.381	0.008	19.6	1470.6	0.0
16	-38.71	0.381	0.008	19.6	1548.8	0.0
17	-38.59	0.380	0.008	19.6	1626.6	0.0
18	-38.46	0.379	0.008	19.6	1703.9	0.0
19	-38.33	0.379	0.008	19.6	1780.9	0.0
20	-38.21	0.378	0.008	19.6	1857.4	0.0
21	-38.08	0.377	0.008	19.6	1933.5	0.0
22	-37.96	0.377	0.008	19.6	2009.2	0.0
23	-37.83	0.376	0.008	19.6	2084.6	0.0
24	-37.70	0.375	0.008	19.6	2159.5	0.0
25	-37.58	0.375	0.008	19.6	2234.0	0.0
26	-37.45	0.374	0.008	19.6	2311.1	0.0
27	-37.33	0.374	0.008	19.6	2387.8	0.0
28	-37.21	0.373	0.008	19.6	2464.2	0.0
29	-37.08	0.372	0.008	19.6	2540.1	0.0
30	-36.96	0.372	0.008	19.6	2615.6	0.0
31	-36.84	0.371	0.008	19.6	2690.8	0.0
32	-36.71	0.371	0.008	19.6	2765.6	0.0
33	-36.59	0.370	0.008	19.6	2840.0	0.0
34	-36.47	0.369	0.008	19.6	2914.0	0.0
35	-36.34	0.369	0.008	19.6	2987.6	0.0
36	-36.22	0.368	0.008	19.6	3060.9	0.0
37	-36.10	0.368	0.008	19.6	3133.7	0.0
38	-35.98	0.367	0.008	19.6	3206.2	0.0
39	-35.86	0.367	0.008	19.6	3278.4	0.0
40	-35.73	0.366	0.008	19.6	3350.1	0.0
41	-35.61	0.365	0.008	19.6	3421.5	0.0
42	-35.49	0.365	0.008	19.6	3489.5	0.0
43	-35.37	0.364	0.008	19.6	3555.4	0.0
44	-35.25	0.364	0.008	19.6	3628.5	0.0
45	-35.13	0.363	0.008	19.6	3701.3	0.0
46	-35.01	0.363	0.008	19.6	3773.8	0.0
47	-34.89	0.362	0.008	19.6	3845.9	0.0
48	-34.77	0.362	0.008	19.6	3917.6	0.0
49	-34.65	0.361	0.008	19.6	3989.0	0.0
50	-34.53	0.361	0.008	19.6	4060.0	0.0
51	-34.41	0.360	0.008	19.6	4130.7	0.0
52	-34.29	0.360	0.008	19.6	4201.0	0.0
53	-34.17	0.359	0.008	19.6	4271.0	0.0
54	-34.05	0.359	0.008	19.6	4340.6	0.0
55	-33.93	0.358	0.008	19.6	4409.8	0.0

56	-33.81	0.358	0.008	19.6	4478.8	0.0
57	-33.69	0.357	0.008	19.6	4547.3	0.0
58	-33.57	0.357	0.008	19.6	4615.9	0.0
59	-33.45	0.356	0.008	19.6	4691.3	0.0
60	-33.33	0.356	0.008	19.6	4756.5	0.0
61	-33.22	0.355	0.008	19.6	4814.8	0.0
62	-33.10	0.355	0.008	19.6	4872.8	0.0
63	-32.98	0.354	0.008	19.6	4930.4	0.0
64	-32.86	0.354	0.008	19.6	4987.7	0.0
65	-32.75	0.353	0.008	19.6	5044.6	0.0
66	-32.63	0.353	0.008	19.6	5101.2	0.0
67	-32.51	0.352	0.008	19.6	5157.5	0.0
68	-32.39	0.352	0.008	19.6	5213.5	0.0
69	-32.28	0.351	0.008	19.6	5269.1	0.0
70	-32.16	0.351	0.008	19.6	5324.4	0.0
71	-32.04	0.350	0.008	19.6	5379.4	0.0
72	-31.93	0.350	0.008	19.6	5434.0	0.0
73	-31.81	0.350	0.008	19.6	5488.3	0.0
74	-31.69	0.349	0.008	19.6	5542.3	0.0
75	-31.58	0.349	0.008	19.6	5578.4	0.0
76	-31.46	0.348	0.008	19.6	5588.3	0.0
77	-31.35	0.348	0.008	19.6	5598.0	0.0
78	-31.23	0.347	0.008	19.6	5607.3	0.0
79	-31.12	0.347	0.008	19.6	5616.3	0.0
80	-31.00	0.347	0.008	19.6	5624.9	0.0
81	-30.89	0.346	0.008	19.6	5633.3	0.0
82	-30.77	0.346	0.008	19.6	5641.3	0.0
83	-30.66	0.345	0.008	19.6	5649.1	0.0
84	-30.54	0.345	0.008	19.6	5656.5	0.0
85	-30.43	0.345	0.008	19.6	5663.6	0.0
86	-30.31	0.344	0.008	19.6	5670.5	0.0
87	-30.20	0.344	0.008	19.6	5677.0	0.0
88	-30.08	0.343	0.008	19.6	5683.1	0.0
89	-29.97	0.343	0.008	19.6	5689.0	0.0
90	-29.85	0.343	0.008	19.6	5694.6	0.0
91	-29.74	0.342	0.008	19.6	5699.9	0.0
92	-29.63	0.342	0.008	19.6	5711.6	0.0
93	-29.51	0.341	0.008	19.6	5723.2	0.0
94	-29.40	0.341	0.008	19.6	5734.6	0.0
95	-29.29	0.341	0.008	19.6	5745.6	0.0
96	-29.17	0.340	0.008	19.6	5756.4	0.0
97	-29.06	0.340	0.008	19.6	5766.8	0.0
98	-28.95	0.339	0.008	19.6	5777.0	0.0
99	-28.83	0.339	0.008	19.6	5786.9	0.0
100	-28.72	0.339	0.008	19.6	5796.5	0.0
101	-28.61	0.338	0.008	19.6	5805.7	0.0
102	-28.49	0.338	0.008	19.6	5814.7	0.0
103	-28.39	0.338	0.008	19.6	5823.4	0.0
104	-28.27	0.337	0.008	19.6	5831.8	0.0
105	-28.16	0.337	0.008	19.6	5840.0	0.0
106	-28.05	0.337	0.008	19.6	5847.8	0.0
107	-27.93	0.336	0.008	19.6	5855.3	0.0
108	-27.82	0.336	0.008	19.6	5862.6	0.0
109	-27.71	0.336	0.008	19.6	5862.8	0.0
110	-27.60	0.335	0.008	19.6	5861.7	0.0
111	-27.49	0.335	0.008	19.6	5860.2	0.0
112	-27.38	0.335	0.008	19.6	5858.4	0.0
113	-27.27	0.334	0.000	11.3	5864.5	0.0
114	-27.16	0.334	0.000	11.3	5888.9	0.0
115	-27.04	0.334	0.000	11.3	5912.9	0.0
116	-26.94	0.333	0.000	11.3	5936.4	0.0
117	-26.82	0.333	0.000	11.3	5959.6	0.0
118	-26.71	0.333	0.000	11.3	5982.4	0.0
119	-26.60	0.332	0.000	11.3	6004.7	0.0
120	-26.49	0.332	0.000	11.3	6026.7	0.0
121	-26.38	0.332	0.000	13.7	6048.3	0.0
122	-26.27	0.331	0.000	13.7	6069.4	0.0
123	-26.16	0.331	0.000	13.7	6090.2	0.0
124	-26.05	0.331	0.000	13.7	6110.5	0.0
125	-25.94	0.330	0.000	13.7	6130.5	0.0
126	-25.83	0.330	0.000	13.7	6148.8	0.0

127	-25.72	0.330	0.000	13.7	6162.1	0.0
128	-25.61	0.329	0.000	13.7	6174.9	0.0
129	-25.50	0.329	0.000	13.7	6187.2	0.0
130	-25.39	0.329	0.000	13.7	6199.1	0.0
131	-25.28	0.329	0.000	13.7	6210.7	0.0
132	-25.18	0.328	0.000	13.7	6221.8	0.0
133	-25.07	0.328	0.000	13.7	6232.6	0.0
134	-24.96	0.328	0.000	13.7	6242.9	0.0
135	-24.85	0.327	0.000	13.7	6252.9	0.0
136	-24.74	0.327	0.000	13.7	6262.5	0.0
137	-24.63	0.327	0.000	13.7	6271.7	0.0
138	-24.52	0.327	0.000	13.7	6280.6	0.0
139	-24.41	0.326	0.000	13.7	6289.0	0.0
140	-24.30	0.326	0.000	13.7	6297.1	0.0
141	-24.20	0.326	0.000	13.7	6304.7	0.0
142	-24.09	0.325	0.000	13.7	6312.6	0.0
143	-23.98	0.325	0.000	13.7	6322.6	0.0
144	-23.87	0.325	0.000	13.7	6333.6	0.0
145	-23.76	0.325	0.000	13.7	6344.3	0.0
146	-23.66	0.324	0.000	13.7	6354.6	0.0
147	-23.55	0.324	0.000	13.7	6364.6	0.0
148	-23.44	0.324	0.000	13.7	6374.1	0.0
149	-23.33	0.324	0.000	13.7	6383.3	0.0
150	-23.23	0.323	0.000	13.7	6392.1	0.0
151	-23.12	0.323	0.000	13.7	6400.5	0.0
152	-23.01	0.323	0.000	13.7	6408.6	0.0
153	-22.90	0.322	0.000	13.7	6416.3	0.0
154	-22.80	0.322	0.000	13.7	6423.6	0.0
155	-22.69	0.322	0.000	13.7	6430.5	0.0
156	-22.58	0.322	0.000	13.7	6437.1	0.0
157	-22.48	0.321	0.000	13.7	6443.4	0.0
158	-22.37	0.321	0.000	13.7	6449.2	0.0
159	-22.26	0.321	0.000	13.7	6454.7	0.0
160	-22.16	0.321	0.000	13.7	6459.4	0.0
161	-22.05	0.320	0.000	13.7	6464.0	0.0
162	-21.94	0.320	0.000	13.7	6468.3	0.0
163	-21.83	0.320	0.000	13.7	6472.1	0.0
164	-21.73	0.320	0.000	13.7	6475.6	0.0
165	-21.62	0.320	0.000	13.7	6478.8	0.0
166	-21.51	0.319	0.000	13.7	6481.5	0.0
167	-21.41	0.319	0.000	13.7	6484.0	0.0
168	-21.30	0.319	0.000	13.7	6486.0	0.0
169	-21.20	0.319	0.000	13.7	6487.8	0.0
170	-21.09	0.318	0.000	13.7	6489.1	0.0
171	-20.98	0.318	0.000	13.7	6490.1	0.0
172	-20.88	0.318	0.000	13.7	6490.7	0.0
173	-20.77	0.318	0.000	13.7	6491.0	0.0
174	-20.67	0.317	0.000	13.7	6491.0	0.0
175	-20.57	0.317	0.000	13.7	6490.5	0.0
176	-20.46	0.317	0.000	13.7	6485.8	0.0
177	-20.35	0.317	0.000	13.7	6478.8	0.0
178	-20.25	0.317	0.000	13.7	6471.4	0.0
179	-20.14	0.316	0.000	13.7	6463.7	0.0
180	-20.04	0.316	0.000	13.7	6455.6	0.0
181	-19.93	0.316	0.000	13.7	6447.2	0.0
182	-19.83	0.316	0.000	13.7	6438.4	0.0
183	-19.72	0.316	0.000	13.7	6429.3	0.0
184	-19.62	0.315	0.000	13.7	6419.9	0.0
185	-19.51	0.315	0.000	13.7	6410.1	0.0
186	-19.41	0.315	0.000	13.7	6399.9	0.0
187	-19.30	0.315	0.000	13.7	6389.4	0.0
188	-19.20	0.315	0.000	13.7	6378.6	0.0
189	-19.09	0.314	0.000	13.7	6367.4	0.0
190	-18.99	0.314	0.000	13.7	6355.9	0.0
191	-18.88	0.314	0.000	13.7	6344.1	0.0
192	-18.78	0.314	0.000	13.7	6331.8	0.0
193	-18.67	0.314	0.000	13.7	6326.2	0.0
194	-18.57	0.313	0.000	13.7	6324.8	0.0
195	-18.47	0.313	0.000	13.7	6323.0	0.0
196	-18.37	0.313	0.000	13.7	6320.9	0.0
197	-18.26	0.313	0.000	13.7	6318.4	0.0

198	-18.16	0.313	0.000	13.7	6315.6	0.0
199	-18.05	0.312	0.000	13.7	6312.5	0.0
200	-17.95	0.312	0.000	13.7	6425.7	0.0
201	-17.84	0.312	0.000	13.7	6389.8	0.0
202	-17.74	0.312	0.000	13.7	6353.5	0.0
203	-17.64	0.312	0.000	13.7	6316.9	0.0
204	-17.53	0.312	0.000	13.7	6279.9	0.0
205	-17.43	0.311	0.000	13.7	6242.6	0.0
206	-17.33	0.311	0.000	13.7	6205.0	0.0
207	-17.22	0.311	0.000	13.7	6167.1	0.0
208	-17.12	0.311	0.000	13.7	6128.8	0.0
209	-17.02	0.311	0.000	13.7	6061.5	0.0
210	-16.91	0.310	0.000	13.7	5805.3	0.0
211	-16.81	0.310	0.000	13.7	5831.5	0.0
212	-16.70	0.310	0.000	13.7	5882.0	0.0
213	-16.60	0.310	0.000	13.7	5932.1	0.0
214	-16.50	0.310	0.000	13.7	5982.0	0.0
215	-16.40	0.310	0.000	13.7	6031.5	0.0
216	-16.29	0.309	0.000	13.7	6080.6	0.0
217	-16.19	0.309	0.000	13.7	6129.5	0.0
218	-16.09	0.309	0.000	13.7	6178.0	0.0
219	-15.99	0.309	0.000	13.7	6226.2	0.0
220	-15.88	0.309	0.000	13.7	6274.0	0.0
221	-15.78	0.309	0.000	13.7	6321.6	0.0
222	-15.68	0.309	0.000	13.7	6368.8	0.0
223	-15.57	0.308	0.000	13.7	6415.7	0.0
224	-15.47	0.308	0.000	13.7	6452.3	0.0
225	-15.37	0.308	0.000	13.7	6480.7	0.0
226	-15.27	0.308	0.000	13.7	6508.8	0.0
227	-15.16	0.308	0.000	13.7	6536.6	0.0
228	-15.06	0.308	0.000	13.7	6564.0	0.0
229	-14.96	0.307	0.000	13.7	6591.1	0.0
230	-14.86	0.307	0.000	13.7	6617.9	0.0
231	-14.76	0.307	0.000	13.7	6644.4	0.0
232	-14.65	0.307	0.000	13.7	6670.6	0.0
233	-14.55	0.307	0.000	13.7	6696.4	0.0
234	-14.45	0.307	0.000	13.7	6721.9	0.0
235	-14.35	0.307	0.000	13.7	6747.1	0.0
236	-14.25	0.306	0.000	13.7	6772.0	0.0
237	-14.14	0.306	0.000	13.7	6796.6	0.0
238	-14.04	0.306	0.176	14.5	6820.8	0.0
239	-13.94	0.306	0.176	14.5	6844.8	0.0
240	-13.84	0.306	0.176	14.5	6868.4	0.0
241	-13.73	0.306	0.176	14.5	6891.7	0.0
242	-13.63	0.306	0.176	14.5	6914.6	0.0
243	-13.53	0.306	0.176	14.5	6937.3	0.0
244	-13.43	0.305	0.176	14.5	6959.7	0.0
245	-13.33	0.305	0.176	14.5	6981.7	0.0
246	-13.23	0.305	0.176	14.5	7003.4	0.0
247	-13.13	0.305	0.176	14.5	7024.8	0.0
248	-13.03	0.305	0.176	14.5	7045.9	0.0
249	-12.92	0.305	0.176	14.5	7004.5	0.0
250	-12.82	0.305	0.176	14.5	6954.2	0.0
251	-12.72	0.305	0.176	14.5	6903.6	0.0
252	-12.62	0.304	0.176	14.5	6852.8	0.0
253	-12.52	0.304	0.176	14.5	6801.6	0.0
254	-12.42	0.304	0.000	13.7	6750.1	0.0
255	-12.31	0.304	0.000	13.7	6698.2	0.0
256	-12.21	0.304	0.000	13.7	6646.1	0.0
257	-12.12	0.304	0.000	13.7	6593.7	0.0
258	-12.01	0.304	0.000	13.7	6540.9	0.0
259	-11.91	0.304	0.000	13.7	6487.8	0.0
260	-11.81	0.303	0.000	13.7	6434.5	0.0
261	-11.71	0.303	0.000	13.7	6380.8	0.0
262	-11.61	0.303	0.000	13.7	6326.8	0.0
263	-11.51	0.303	0.000	13.7	6272.6	0.0
264	-11.41	0.303	0.000	13.7	6218.0	0.0
265	-11.31	0.303	0.000	13.7	6163.0	0.0
266	-11.21	0.303	0.000	13.7	6107.8	0.0
267	-11.10	0.303	0.000	13.7	6052.3	0.0
268	-11.01	0.303	0.000	13.7	5996.5	0.0

269	-10.90	0.303	0.000	13.7	5940.4	0.0
270	-10.80	0.302	0.000	13.7	5883.9	0.0
271	-10.70	0.302	0.000	13.7	5827.2	0.0
272	-10.60	0.302	0.000	13.7	5770.2	0.0
273	-10.50	0.302	0.000	13.7	5712.8	0.0
274	-10.40	0.302	0.000	13.7	5655.2	0.0
275	-10.30	0.302	0.000	13.7	5597.2	0.0
276	-10.20	0.302	0.000	13.7	5538.9	0.0
277	-10.10	0.302	0.000	13.7	5480.4	0.0
278	-10.00	0.302	0.000	13.7	5442.1	0.0
279	-9.90	0.302	18.300	0.0	7118.5	0.0
280	-9.80	0.301	18.300	0.0	7075.9	0.0
281	-9.70	0.301	0.000	13.7	5345.0	0.0
282	-9.60	0.301	0.000	13.7	5312.0	0.0
283	-9.50	0.301	0.000	13.7	5278.7	0.0
284	-9.40	0.301	0.000	13.7	5245.2	0.0
285	-9.30	0.301	0.000	13.7	5211.3	0.0
286	-9.20	0.301	0.000	13.7	5177.1	0.0
287	-9.10	0.301	0.000	13.7	5142.6	0.0
288	-9.00	0.301	0.000	13.7	5107.8	0.0
289	-8.90	0.301	0.000	13.7	5072.7	0.0
290	-8.80	0.301	0.000	13.7	5037.3	0.0
291	-8.70	0.301	0.000	13.7	5001.7	0.0
292	-8.60	0.300	0.000	13.7	4965.7	0.0
293	-8.50	0.300	0.000	13.7	4929.4	0.0
294	-8.40	0.300	0.000	13.7	4892.8	0.0
295	-8.30	0.300	0.000	13.7	4855.9	0.0
296	-8.20	0.300	0.000	13.7	4818.7	0.0
297	-8.10	0.300	0.000	13.7	4781.3	0.0
298	-8.00	0.300	0.000	13.7	4743.5	0.0
299	-7.90	0.300	0.000	13.7	4705.4	0.0
300	-7.80	0.300	0.000	13.7	4667.0	0.0
301	-7.70	0.300	0.000	13.7	4628.4	0.0
302	-7.60	0.300	0.000	13.7	4589.4	0.0
303	-7.50	0.300	0.000	13.7	4550.1	0.0
304	-7.40	0.300	0.000	13.7	4510.6	0.0
305	-7.30	0.299	0.000	13.7	4470.7	0.0
306	-7.20	0.299	0.000	13.7	4430.6	0.0
307	-7.10	0.299	0.000	13.7	4390.1	0.0
308	-7.00	0.299	0.000	13.7	4349.4	0.0
309	-6.90	0.299	0.000	13.7	4308.3	0.0
310	-6.80	0.299	0.000	13.7	4267.0	0.0
311	-6.70	0.299	0.000	13.7	4241.9	0.0
312	-6.60	0.299	0.000	13.7	4300.4	0.0
313	-6.51	0.299	0.000	13.7	4358.7	0.0
314	-6.41	0.299	0.000	13.7	4416.7	0.0
315	-6.31	0.299	0.000	13.7	4474.3	0.0
316	-6.21	0.299	0.000	13.7	4531.7	0.0
317	-6.11	0.299	0.000	13.7	4588.8	0.0
318	-6.01	0.299	0.000	13.7	4645.6	0.0
319	-5.91	0.299	0.000	13.7	4702.1	0.0
320	-5.81	0.299	0.000	13.7	4739.6	0.0
321	-5.71	0.299	0.000	13.7	4756.5	0.0
322	-5.61	0.298	18.300	0.0	6280.4	0.0
323	-5.51	0.298	18.300	0.0	6301.9	0.0
324	-5.41	0.298	18.300	0.0	6323.0	0.0
325	-5.31	0.298	18.300	0.0	6343.7	0.0
326	-5.22	0.298	0.000	13.7	4836.6	0.0
327	-5.11	0.298	0.000	13.7	4851.8	0.0
328	-5.02	0.298	0.000	13.7	4866.7	0.0
329	-4.92	0.298	0.000	13.7	4881.2	0.0
330	-4.82	0.298	0.000	13.7	4895.5	0.0
331	-4.72	0.298	18.300	0.0	6459.9	0.0
332	-4.62	0.298	18.300	0.0	6477.9	0.0
333	-4.52	0.298	0.000	13.7	4936.6	0.0
334	-4.42	0.298	0.000	13.7	4949.7	0.0
335	-4.32	0.298	0.000	13.7	4962.5	0.0
336	-4.22	0.298	0.000	13.7	4975.0	0.0
337	-4.12	0.298	0.000	13.7	4987.3	0.0
338	-4.02	0.298	0.000	13.7	4999.2	0.0
339	-3.93	0.298	0.000	13.7	5010.9	0.0

340	-3.83	0.298	0.000	13.7	5022.2	0.0
341	-3.73	0.298	0.000	13.7	5033.3	0.0
342	-3.63	0.298	0.000	13.7	5044.1	0.0
343	-3.53	0.298	0.000	13.7	5054.6	0.0
344	-3.43	0.298	0.000	13.7	5064.8	0.0
345	-3.33	0.298	0.000	13.7	5074.7	0.0
346	-3.23	0.298	0.000	13.7	5084.3	0.0
347	-3.13	0.298	0.000	13.7	5093.6	0.0
348	-3.04	0.297	0.000	13.7	5102.7	0.0
349	-2.93	0.297	0.000	13.7	5111.4	0.0
350	-2.84	0.297	0.000	13.7	5119.9	0.0
351	-2.74	0.297	0.000	13.7	5128.0	0.0
352	-2.64	0.297	0.000	13.7	5135.9	0.0
353	-2.54	0.297	0.000	13.7	5143.5	0.0
354	-2.44	0.297	0.000	13.7	5150.8	0.0
355	-2.34	0.297	0.000	13.7	5157.8	0.0
356	-2.24	0.297	0.000	13.7	5164.5	0.0
357	-2.14	0.297	0.000	13.7	5170.9	0.0
358	-2.05	0.297	0.000	13.7	5177.0	0.0
359	-1.95	0.297	0.000	13.7	5182.9	0.0
360	-1.85	0.297	0.000	13.7	5188.4	0.0
361	-1.75	0.297	0.000	13.7	5193.7	0.0
362	-1.65	0.297	0.000	13.7	5198.7	0.0
363	-1.55	0.297	0.000	13.7	5203.4	0.0
364	-1.45	0.297	0.000	13.7	5207.8	0.0
365	-1.35	0.297	0.000	13.7	5211.9	0.0
366	-1.26	0.297	0.000	13.7	5215.7	0.0
367	-1.16	0.297	0.000	13.7	5207.8	0.0
368	-1.06	0.297	0.000	13.7	5199.1	0.0
369	-0.96	0.297	0.000	13.7	5190.1	0.0
370	-0.86	0.297	0.000	13.7	5180.8	0.0
371	-0.76	0.297	0.000	13.7	5171.2	0.0
372	-0.66	0.297	0.000	13.7	5161.3	0.0
373	-0.56	0.297	0.000	13.7	5151.1	0.0
374	-0.47	0.297	0.000	13.7	5140.7	0.0
375	-0.36	0.297	0.000	13.7	5129.9	0.0
376	-0.27	0.297	0.000	13.7	5118.9	0.0
377	-0.17	0.297	0.000	13.7	5107.5	0.0
378	-0.07	0.297	0.000	13.7	5095.9	0.0
379	0.03	0.297	0.000	13.7	5084.0	0.0
380	0.13	0.297	0.000	13.7	5071.8	0.0
381	0.23	0.297	0.000	13.7	5059.4	0.0
382	0.32	0.297	0.000	13.7	5046.6	0.0
383	0.42	0.297	0.000	13.7	5033.5	0.0
384	0.52	0.297	0.000	13.7	5020.2	0.0
385	0.62	0.297	0.000	13.7	5006.5	0.0
386	0.72	0.297	0.000	13.7	4992.6	0.0
387	0.82	0.297	0.000	13.7	4978.4	0.0
388	0.92	0.297	0.000	13.7	4963.9	0.0
389	1.02	0.297	0.000	13.7	4949.1	0.0
390	1.12	0.297	0.000	13.7	4934.0	0.0
391	1.22	0.297	0.000	13.7	4918.6	0.0
392	1.31	0.297	0.000	13.7	4903.0	0.0
393	1.41	0.297	0.000	13.7	4887.0	0.0
394	1.51	0.297	0.000	13.7	4870.8	0.0
395	1.61	0.297	0.000	13.7	4854.2	0.0
396	1.71	0.297	0.000	13.7	4837.4	0.0
397	1.81	0.297	0.000	13.7	4820.3	0.0
398	1.91	0.297	0.000	13.7	4802.9	0.0
399	2.01	0.297	0.000	13.7	4785.2	0.0
400	2.10	0.297	0.000	13.7	4767.2	0.0
401	2.20	0.297	0.000	13.7	4749.0	0.0
402	2.30	0.297	0.000	13.7	4730.4	0.0
403	2.40	0.297	0.000	13.7	4711.6	0.0
404	2.50	0.297	0.000	13.7	4692.4	0.0
405	2.60	0.297	0.000	13.7	4673.0	0.0
406	2.70	0.297	0.000	13.7	4655.4	0.0
407	2.80	0.297	0.000	13.7	4641.8	0.0
408	2.89	0.297	0.000	13.7	4628.0	0.0
409	3.00	0.297	0.000	13.7	4613.8	0.0
410	3.09	0.297	0.000	13.7	4599.4	0.0

411	3.19	0.298	0.000	13.7	4584.7	0.0
412	3.29	0.298	0.000	13.7	4569.6	0.0
413	3.39	0.298	0.000	13.7	4554.3	0.0
414	3.49	0.298	0.000	13.7	4538.7	0.0
415	3.59	0.298	0.000	13.7	4522.8	0.0
416	3.69	0.298	0.000	13.7	4506.6	0.0
417	3.79	0.298	0.000	13.7	4490.2	0.0
418	3.88	0.298	0.000	13.7	4473.4	0.0
419	3.98	0.298	0.000	13.7	4456.3	0.0
420	4.08	0.298	0.000	13.7	4439.0	0.0
421	4.18	0.298	0.000	13.7	4421.4	0.0
422	4.28	0.298	0.000	13.7	4403.4	0.0
423	4.38	0.298	0.000	13.7	4385.2	0.0
424	4.48	0.298	0.000	13.7	4366.7	0.0
425	4.58	0.298	0.000	13.7	4347.9	0.0
426	4.68	0.298	0.000	13.7	4328.8	0.0
427	4.78	0.298	0.000	13.7	4309.4	0.0
428	4.87	0.298	0.000	13.7	4289.7	0.0
429	4.98	0.298	0.000	13.7	4269.7	0.0
430	5.07	0.298	0.000	13.7	4249.5	0.0
431	5.17	0.298	0.000	13.7	4228.9	0.0
432	5.27	0.298	0.000	13.7	4208.1	0.0
433	5.37	0.298	0.000	13.7	4186.9	0.0
434	5.47	0.298	0.000	13.7	4165.5	0.0
435	5.57	0.298	0.000	13.7	4143.8	0.0
436	5.67	0.299	0.000	13.7	4121.7	0.0
437	5.77	0.299	0.000	13.7	4099.4	0.0
438	5.87	0.299	0.000	13.7	4076.8	0.0
439	5.97	0.299	0.000	13.7	4053.9	0.0
440	6.07	0.299	0.000	13.7	4030.7	0.0
441	6.17	0.299	0.000	13.7	4007.2	0.0
442	6.26	0.299	0.000	13.7	3983.4	0.0
443	6.36	0.299	0.000	13.7	3959.4	0.0
444	6.46	0.299	0.000	13.7	3935.0	0.0
445	6.56	0.299	0.000	13.7	3910.3	0.0
446	6.66	0.299	0.000	13.7	3885.3	0.0
447	6.76	0.299	0.000	13.7	3860.1	0.0
448	6.86	0.299	0.000	13.7	3834.5	0.0
449	6.96	0.299	0.000	13.7	3810.0	0.0
450	7.06	0.299	0.000	13.7	3787.0	0.0
451	7.16	0.299	0.000	13.7	3763.6	0.0
452	7.26	0.299	0.000	13.7	3739.9	0.0
453	7.36	0.300	0.000	13.7	3715.9	0.0
454	7.46	0.300	0.000	13.7	3691.7	0.0
455	7.56	0.300	0.000	13.7	3667.1	0.0
456	7.66	0.300	0.000	13.7	3642.3	0.0
457	7.76	0.300	0.000	13.7	3617.1	0.0
458	7.86	0.300	0.000	13.7	3591.6	0.0
459	7.96	0.300	0.000	13.7	3565.9	0.0
460	8.06	0.300	0.000	13.7	3539.8	0.0
461	8.16	0.300	0.000	13.7	3513.5	0.0
462	8.26	0.300	0.000	13.7	3486.9	0.0
463	8.35	0.300	0.000	13.7	3459.9	0.0
464	8.46	0.300	0.000	13.7	3432.7	0.0
465	8.56	0.300	0.000	13.7	3405.1	0.0
466	8.66	0.300	0.000	13.7	3377.3	0.0
467	8.75	0.301	0.000	13.7	3349.2	0.0
468	8.86	0.301	0.000	13.7	3320.7	0.0
469	8.96	0.301	0.000	13.7	3292.0	0.0
470	9.06	0.301	0.000	13.7	3263.0	0.0
471	9.16	0.301	0.000	13.7	3233.6	0.0
472	9.25	0.301	0.000	13.7	3204.0	0.0
473	9.36	0.301	0.000	13.7	3174.0	0.0
474	9.46	0.301	0.000	13.7	3143.8	0.0
475	9.55	0.301	0.000	13.7	3113.3	0.0
476	9.66	0.301	0.000	13.7	3082.4	0.0
477	9.76	0.301	0.000	13.7	2933.1	0.0
478	9.86	0.302	0.000	13.7	2776.3	0.0
479	9.96	0.302	0.000	13.7	2619.2	0.0
480	10.06	0.302	0.000	13.7	2461.8	0.0
481	10.16	0.302	0.000	13.7	2304.1	0.0

482	10.26	0.302	0.000	13.7	2146.0	0.0
483	10.36	0.302	0.000	13.7	2054.1	0.0
484	10.46	0.302	0.000	13.7	1973.6	0.0
485	10.56	0.302	0.000	13.7	1892.8	0.0
486	10.66	0.302	0.000	13.7	1811.8	0.0
487	10.76	0.302	0.000	13.7	1730.4	0.0
488	10.86	0.302	0.000	13.7	1648.7	0.0
489	10.96	0.303	0.000	13.7	1566.7	0.0
490	11.06	0.303	0.000	13.7	1484.4	0.0
491	11.16	0.303	0.000	13.7	1401.8	0.0
492	11.26	0.303	0.000	13.7	1318.8	0.0
493	11.36	0.303	0.000	13.7	1235.6	0.0
494	11.47	0.303	0.000	13.7	1075.9	0.0
495	11.57	0.303	0.000	13.7	911.2	0.0
496	11.67	0.303	0.000	13.7	746.2	0.0
497	11.77	0.303	0.000	13.7	581.0	0.0
498	11.87	0.304	0.000	13.7	415.4	0.0
499	11.97	0.304	0.000	13.7	249.4	0.0
500	12.07	0.304	0.000	13.7	83.2	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-164.4	-563.4	1278.5	602.7	-61.8
2	-261.8	-736.1	1358.5	681.1	-184.2
3	-254.5	-828.9	1398.8	758.7	-304.8
4	-249.8	-842.8	1549.7	835.4	-423.9
5	-580.0	-512.9	1066.6	387.9	-533.2
6	-662.2	-129.6	914.2	442.2	-615.0
7	-814.1	304.4	1087.4	494.1	-692.9
8	-1011.2	780.3	1219.6	537.4	-757.6
9	-1275.9	1297.6	1374.8	580.2	-821.3
10	-1613.7	1855.4	1535.5	622.5	-884.1
11	-2030.2	2453.1	1701.7	664.3	-945.9
12	-2530.9	3090.1	1873.3	705.7	-1006.8
13	-3120.8	3765.6	2050.1	746.6	-1066.8
14	-3805.1	4479.0	2232.0	787.0	-1125.8
15	-4589.1	5229.6	2419.0	826.9	-1184.0
16	-5477.3	6016.9	2610.7	866.4	-1241.3
17	-6474.8	6840.2	2807.3	905.5	-1297.8
18	-7585.9	7698.7	3008.4	944.1	-1353.3
19	-8815.5	8592.0	3214.1	982.3	-1408.1
20	-10168.0	9519.3	3424.5	1020.1	-1461.9
21	-11647.5	10480.1	3638.9	1057.5	-1515.0
22	-13258.4	11473.9	3857.7	1094.4	-1567.3
23	-15004.7	12500.0	4080.5	1131.0	-1618.8
24	-16890.2	13557.7	4307.2	1167.1	-1669.3
25	-18919.2	14646.5	4538.0	1202.8	-1719.2
26	-21105.6	15767.3	4786.6	1239.7	-1770.5
27	-23444.8	16919.5	5030.1	1276.2	-1821.0
28	-25940.8	18102.8	5277.6	1312.4	-1871.0
29	-28596.7	19316.1	5528.4	1348.1	-1919.8
30	-31416.5	20559.3	5783.1	1383.5	-1968.2
31	-34403.4	21831.5	6041.1	1418.5	-2015.6
32	-37561.0	23132.4	6302.6	1453.1	-2062.4
33	-40892.3	24461.3	6567.3	1487.4	-2108.4
34	-44400.1	25817.6	6834.8	1521.3	-2153.6
35	-48088.8	27201.0	7106.8	1554.8	-2198.2
36	-51959.8	28610.7	7380.2	1588.0	-2241.9
37	-56016.9	30046.3	7657.2	1620.9	-2285.1
38	-60261.9	31507.3	7936.3	1653.4	-2327.4
39	-64699.6	32993.3	8220.2	1685.6	-2369.3
40	-69330.3	34503.4	8504.4	1717.4	-2410.2
41	-74157.0	36037.5	8791.6	1749.0	-2450.7
42	-79168.1	37593.5	9063.2	1778.6	-2488.1
43	-84669.1	39170.2	9656.4	1807.1	-2523.7
44	-90754.1	40770.6	10357.2	1839.2	-2564.3
45	-97097.3	42394.1	10713.4	1870.8	-2603.9
46	-103700.7	44040.3	11071.5	1902.2	-2643.1

47	-110567.9	45708.6	11433.5	1933.3	-2681.5
48	-117701.9	47398.6	11798.8	1964.0	-2719.3
49	-125106.7	49109.9	12168.0	1994.5	-2756.5
50	-132783.4	50841.9	12538.5	2024.7	-2793.1
51	-140735.3	52594.1	12912.5	2054.6	-2829.0
52	-148965.7	54366.1	13289.9	2084.1	-2864.2
53	-157476.7	56157.4	13669.6	2113.4	-2898.9
54	-166267.8	57967.5	14048.9	2142.4	-2932.8
55	-175346.4	59796.1	14435.7	2171.2	-2966.5
56	-184710.7	61642.6	14820.8	2199.6	-2999.3
57	-194364.5	63506.6	15210.1	2227.7	-3031.4
58	-204310.7	65387.9	15602.4	2255.9	-3063.6
59	-214376.0	67288.8	15817.9	2287.0	-3099.4
60	-222595.0	69205.0	13924.0	2313.4	-3128.6
61	-230939.4	71133.5	14127.1	2336.2	-3152.8
62	-239442.5	73073.6	14365.6	2358.8	-3176.3
63	-248103.7	75025.2	14603.2	2381.1	-3199.4
64	-256925.9	76987.9	14843.7	2403.3	-3222.2
65	-265906.4	78961.2	15081.2	2425.2	-3244.2
66	-275044.3	80944.8	15317.7	2446.9	-3266.0
67	-284340.5	82938.4	15554.9	2468.3	-3287.2
68	-293796.2	84941.6	15793.2	2489.5	-3307.8
69	-303409.2	86953.9	16029.2	2510.5	-3328.0
70	-313178.4	88975.1	16263.7	2531.3	-3347.8
71	-323105.4	91004.8	16499.8	2551.8	-3366.9
72	-333189.9	93042.8	16735.3	2572.2	-3386.1
73	-343427.6	95088.4	16966.3	2592.3	-3404.1
74	-353823.3	97141.7	17202.0	2612.3	-3422.3
75	-353839.2	99195.7	6087.3	2623.8	-3429.0
76	-352420.9	101240.3	4558.0	2623.2	-3419.4
77	-350648.8	103275.9	4189.6	2622.5	-3410.0
78	-348518.8	105301.9	3816.2	2621.6	-3399.8
79	-346039.4	107318.8	3451.2	2620.8	-3390.3
80	-343206.0	109325.6	3080.7	2619.5	-3379.6
81	-340026.5	111323.0	2717.8	2618.4	-3369.6
82	-336495.4	113310.3	2348.5	2617.0	-3358.8
83	-332623.7	115287.8	1990.3	2615.7	-3348.3
84	-328409.4	117255.1	1629.4	2614.1	-3337.3
85	-323852.4	119212.4	1267.5	2612.5	-3326.4
86	-318957.2	121159.2	909.9	2610.7	-3315.0
87	-313727.6	123095.6	555.9	2608.8	-3303.6
88	-308164.0	125021.5	201.5	2606.8	-3292.0
89	-302266.8	126937.0	-153.0	2604.8	-3280.5
90	-296042.9	128841.6	-500.7	2602.5	-3268.5
91	-289489.7	130735.6	-852.1	2600.2	-3256.6
92	-282652.2	132620.6	-1147.8	2600.7	-3248.0
93	-275499.1	134497.3	-1477.8	2601.4	-3240.0
94	-268030.2	136365.1	-1808.7	2601.9	-3231.4
95	-260241.8	138223.9	-2144.1	2602.3	-3222.5
96	-252145.3	140073.5	-2468.0	2602.5	-3213.5
97	-243735.1	141914.1	-2798.3	2602.7	-3204.5
98	-235021.2	143745.4	-3118.5	2602.7	-3195.3
99	-225996.0	145567.4	-3447.4	2602.6	-3185.9
100	-216666.2	147379.9	-3769.7	2602.4	-3176.3
101	-207036.0	149182.9	-4088.1	2602.2	-3166.8
102	-197105.1	150975.9	-4407.4	2601.7	-3156.5
103	-186876.1	152759.5	-4724.4	2601.3	-3146.8
104	-176348.1	154533.0	-5042.9	2600.6	-3136.4
105	-165531.2	156296.5	-5351.2	2599.9	-3126.1
106	-154422.2	158050.2	-5663.3	2599.2	-3115.8
107	-143024.8	159793.4	-5972.1	2598.2	-3104.8
108	-130444.5	161526.5	-7257.4	2597.2	-3094.2
109	-115878.6	163247.3	-9427.8	2593.2	-3079.9
110	-100977.4	164955.3	-9799.3	2588.5	-3064.5
111	-85738.8	166650.5	-10173.7	2583.8	-3049.3
112	-70176.5	168332.9	-10533.7	2579.0	-3033.9
113	-63648.2	170574.3	-423.6	1490.8	-3022.6
114	-47568.7	172812.0	-6505.3	1494.5	-3021.0
115	-31062.5	175045.4	-6764.0	1497.9	-3018.4
116	-14123.4	177275.0	-7027.0	1501.4	-3016.4
117	3242.5	179500.0	-7286.6	1504.6	-3013.5

118	21029.4	181720.3	-7542.9	1507.8	-3010.5
119	39243.3	183935.8	-7803.2	1510.9	-3007.3
120	57880.0	186146.2	-8061.4	1513.9	-3003.8
121	79478.9	188187.4	-12000.7	1829.4	-2999.9
122	98828.2	190222.9	-10251.2	1832.9	-2996.0
123	118567.4	192252.2	-10539.1	1836.2	-2991.6
124	138689.4	194275.3	-10822.1	1839.4	-2987.1
125	159190.5	196291.8	-11102.7	1842.5	-2982.1
126	180082.1	198301.7	-11393.4	1845.2	-2976.8
127	201367.9	200302.5	-11691.2	1846.3	-2968.4
128	223031.9	202294.6	-11977.0	1847.3	-2960.2
129	245062.0	204277.6	-12254.1	1848.1	-2951.5
130	267458.5	206251.2	-12531.8	1848.9	-2942.6
131	290221.1	208215.6	-12809.8	1849.5	-2933.7
132	313344.1	210170.6	-13083.6	1850.1	-2924.6
133	336825.2	212115.8	-13356.4	1850.5	-2914.9
134	360656.0	214051.1	-13622.9	1850.9	-2905.3
135	384844.6	215976.9	-13896.1	1851.2	-2895.9
136	409379.2	217892.2	-14160.7	1851.2	-2885.5
137	434260.9	219797.5	-14426.6	1851.3	-2875.6
138	459477.7	221692.5	-14683.6	1851.2	-2865.1
139	485035.6	223576.8	-14945.7	1851.0	-2854.4
140	510935.6	225450.7	-15209.0	1850.8	-2843.8
141	537163.8	227314.0	-15461.9	1850.4	-2833.0
142	563714.0	229166.7	-15710.0	1850.2	-2822.3
143	590201.4	231009.1	-15657.8	1850.4	-2812.2
144	616682.9	232842.1	-15648.8	1851.2	-2803.1
145	643475.7	234665.1	-15886.7	1851.7	-2793.5
146	670568.8	236478.1	-16116.4	1852.2	-2783.7
147	697970.6	238280.9	-16353.0	1852.6	-2773.6
148	725682.4	240073.6	-16591.0	1852.9	-2763.7
149	753683.8	241855.7	-16813.7	1853.0	-2753.3
150	781989.5	243627.8	-17047.9	1853.2	-2743.3
151	810574.3	245389.0	-17263.3	1853.1	-2732.4
152	839454.7	247139.3	-17491.7	1853.0	-2721.4
153	868625.3	248879.1	-17716.3	1852.8	-2710.8
154	898073.1	250608.0	-17931.2	1852.6	-2699.7
155	927803.0	252325.7	-18150.4	1852.2	-2688.4
156	957804.7	254032.6	-18361.8	1851.7	-2677.3
157	988076.2	255728.1	-18572.2	1851.2	-2665.6
158	1018619.3	257412.2	-18784.3	1850.5	-2653.8
159	1049426.4	259084.9	-18990.8	1849.8	-2642.2
160	1080496.5	260746.2	-19197.3	1848.8	-2630.2
161	1111816.9	262395.8	-19394.0	1847.9	-2618.1
162	1143394.3	264033.5	-19596.4	1846.8	-2605.5
163	1175220.0	265659.4	-19792.5	1845.7	-2593.1
164	1207298.0	267273.6	-19991.8	1844.5	-2580.9
165	1239617.7	268875.8	-20183.4	1843.1	-2568.1
166	1272158.0	270465.6	-20359.0	1841.7	-2554.9
167	1304960.4	272043.7	-20567.0	1840.3	-2542.6
168	1337970.4	273609.2	-20733.2	1838.6	-2529.1
169	1371219.2	275162.5	-20923.8	1837.0	-2516.1
170	1404690.6	276703.6	-21102.3	1835.3	-2502.9
171	1438374.4	278232.1	-21273.2	1833.4	-2489.3
172	1472285.9	279748.4	-21456.2	1831.6	-2476.2
173	1506397.8	281251.9	-21618.5	1829.5	-2462.3
174	1540725.7	282742.8	-21793.2	1827.5	-2448.6
175	1575260.4	284221.3	-21960.9	1825.4	-2435.1
176	1609984.4	285685.9	-22118.6	1822.0	-2419.3
177	1644923.6	287136.5	-22298.4	1818.0	-2403.4
178	1680036.6	288572.9	-22446.0	1814.0	-2387.0
179	1715326.7	289995.0	-22596.7	1809.8	-2370.6
180	1750799.3	291403.1	-22751.8	1805.6	-2354.4
181	1786443.5	292797.1	-22898.6	1801.4	-2338.1
182	1822248.2	294176.7	-23037.3	1797.0	-2321.3
183	1858213.9	295541.8	-23176.8	1792.6	-2304.5
184	1894357.8	296892.9	-23329.7	1788.1	-2288.2
185	1930644.6	298229.8	-23455.5	1783.5	-2271.6
186	1967073.7	299552.1	-23581.2	1778.9	-2254.5
187	2003656.4	300860.0	-23716.0	1774.1	-2237.7
188	2040387.5	302153.8	-23847.0	1769.4	-2221.1

189	2077257.0	303433.3	-23970.5	1764.5	-2204.1
190	2114249.8	304698.2	-24082.5	1759.5	-2187.1
191	2151376.2	305948.7	-24202.9	1754.5	-2170.0
192	2188634.8	307185.0	-24322.5	1749.5	-2153.1
193	2226008.1	308408.1	-24423.2	1746.2	-2138.2
194	2263506.2	309619.1	-24528.5	1744.1	-2125.0
195	2301126.6	310817.6	-24632.4	1741.9	-2111.4
196	2338891.1	312004.3	-24753.4	1739.8	-2098.4
197	2376753.7	313178.1	-24838.9	1737.4	-2084.3
198	2414761.3	314339.9	-24961.3	1735.0	-2071.0
199	2452885.1	315489.3	-25061.4	1732.6	-2057.4
200	2491008.1	316647.2	-24977.8	1762.0	-2081.4
201	2529536.1	317786.4	-25331.6	1750.5	-2056.6
202	2568138.7	318907.6	-25425.1	1739.1	-2032.5
203	2606791.5	320010.5	-25499.9	1727.5	-2008.2
204	2645487.1	321095.1	-25569.0	1715.9	-1983.8
205	2684235.4	322161.9	-25646.2	1704.2	-1959.9
206	2723024.5	323210.6	-25714.3	1692.4	-1935.6
207	2761844.7	324241.3	-25775.2	1680.6	-1911.5
208	2800710.7	325254.3	-25847.8	1668.8	-1887.6
209	2928074.9	326245.2	-95797.9	1649.1	-1855.1
210	3024224.3	327183.2	-71366.2	1578.0	-1765.0
211	3004834.9	328114.8	19927.7	1583.8	-1761.6
212	2985210.6	329043.4	20158.2	1596.2	-1765.1
213	2965430.8	329969.3	20325.4	1608.5	-1768.9
214	2945442.0	330891.7	20535.2	1620.7	-1771.7
215	2925285.7	331810.6	20711.7	1632.8	-1774.6
216	2904935.0	332725.9	20909.4	1644.8	-1777.2
217	2884412.3	333637.5	21089.0	1656.7	-1779.8
218	2863686.4	334544.7	21293.4	1668.5	-1781.6
219	2842787.3	335447.8	21473.7	1680.2	-1783.6
220	2821694.6	336346.3	21670.1	1691.8	-1785.1
221	2800409.4	337239.9	21865.4	1703.3	-1786.3
222	2778949.7	338128.8	22046.2	1714.7	-1787.5
223	2757948.3	339012.3	21725.5	1726.1	-1788.1
224	2748069.0	339889.0	12944.4	1734.6	-1785.8
225	2738064.9	340758.0	13068.9	1741.0	-1781.3
226	2727910.8	341618.9	13213.2	1747.3	-1776.7
227	2717601.8	342471.5	13361.3	1753.4	-1771.5
228	2707151.8	343315.8	13498.0	1759.6	-1766.4
229	2696553.3	344151.7	13640.5	1765.6	-1761.2
230	2685799.3	344978.8	13788.5	1771.5	-1755.4
231	2674914.6	345797.5	13916.5	1777.4	-1750.2
232	2663869.5	346607.1	14068.0	1783.1	-1744.0
233	2652676.1	347407.7	14209.5	1788.8	-1738.1
234	2641345.7	348199.2	14342.0	1794.4	-1731.9
235	2629860.7	348981.5	14488.3	1800.0	-1725.6
236	2618243.4	349754.8	14616.6	1805.4	-1719.4
237	2606470.7	350518.2	14763.1	1810.8	-1712.4
238	2596696.1	350917.8	15676.4	2492.7	-1705.9
239	2582060.1	351307.6	19795.1	2497.9	-1698.9
240	2567315.8	351687.5	19911.1	2503.0	-1691.7
241	2552468.5	352057.5	20022.5	2508.0	-1684.3
242	2537518.9	352417.7	20132.9	2513.0	-1677.2
243	2522459.1	352768.0	20249.9	2517.9	-1669.8
244	2507296.9	353107.9	20360.1	2522.7	-1662.0
245	2492018.5	353437.4	20481.8	2527.4	-1654.0
246	2476651.0	353756.6	20580.3	2532.0	-1646.2
247	2461187.4	354065.5	20684.5	2536.6	-1638.2
248	2464379.9	354363.9	4959.2	2541.1	-1630.1
249	2498163.8	354646.2	-20903.9	2528.0	-1607.2
250	2531898.9	354912.3	-20910.2	2512.6	-1582.8
251	2565559.7	355162.2	-20895.3	2497.1	-1558.5
252	2599135.0	355396.0	-20871.1	2481.5	-1534.4
253	2632627.9	355613.7	-20850.0	2465.9	-1510.0
254	2664039.6	356167.1	-19684.1	1780.5	-1486.4
255	2700089.6	356703.9	-23433.3	1765.8	-1462.3
256	2736125.7	357224.8	-23469.1	1751.2	-1438.6
257	2772125.8	357730.2	-23487.5	1736.5	-1415.4
258	2808074.7	358219.6	-23494.3	1721.7	-1391.6
259	2844002.8	358693.7	-23525.4	1706.9	-1368.7

260	2879875.2	359152.6	-23528.9	1692.0	-1345.5
261	2915697.4	359596.2	-23537.1	1677.0	-1322.5
262	2951472.6	360024.8	-23548.0	1662.0	-1299.6
263	2987216.1	360438.8	-23571.5	1647.0	-1277.2
264	3022882.1	360838.2	-23558.6	1631.9	-1254.6
265	3058511.6	361223.3	-23578.5	1616.8	-1232.4
266	3094074.1	361594.1	-23574.5	1601.5	-1210.1
267	3129574.5	361950.7	-23574.7	1586.2	-1187.9
268	3165012.4	362293.6	-23574.6	1570.9	-1166.2
269	3200387.0	362622.6	-23574.4	1555.5	-1144.3
270	3235700.0	362938.3	-23575.4	1540.1	-1122.8
271	3270930.8	363240.6	-23560.5	1524.6	-1101.2
272	3306107.9	363529.8	-23568.5	1509.0	-1080.1
273	3341211.5	363806.2	-23560.9	1493.4	-1059.0
274	3376244.0	364069.9	-23555.3	1477.8	-1038.2
275	3411182.2	364321.0	-23531.7	1462.0	-1017.2
276	3446061.0	364559.7	-23536.0	1446.2	-996.7
277	3475783.1	364786.3	-19450.7	1430.4	-976.3
278	3491033.4	365001.9	-7871.5	1419.9	-959.7
279	3536635.8	335043.1	183000.0	59536.2	-1242.1
280	3257845.4	305082.9	183000.0	59501.2	-1222.3
281	2952437.4	305266.4	249563.4	1393.0	-913.4
282	2965153.7	305439.4	-5947.7	1383.9	-898.3
283	2977793.0	305602.3	-5913.8	1374.7	-883.4
284	2990318.8	305754.8	-5851.0	1365.5	-868.1
285	3002770.2	305897.1	-5819.7	1356.2	-853.1
286	3015131.5	306029.7	-5776.0	1346.9	-838.5
287	3027400.9	306152.4	-5731.2	1337.5	-823.6
288	3039567.6	306265.1	-5677.9	1328.0	-808.6
289	3051660.9	306368.3	-5648.3	1318.5	-794.2
290	3063667.3	306462.2	-5608.0	1308.9	-779.9
291	3075567.3	306546.5	-5552.4	1299.2	-765.1
292	3087381.0	306621.3	-5513.3	1289.5	-750.7
293	3099110.7	306687.3	-5476.0	1279.7	-736.6
294	3110758.3	306744.3	-5440.5	1269.9	-722.6
295	3122296.2	306792.2	-5383.2	1259.9	-708.1
296	3133765.3	306831.4	-5358.8	1250.0	-694.3
297	3145154.8	306862.1	-5326.1	1239.9	-680.5
298	3156432.9	306884.3	-5267.9	1229.8	-666.6
299	3167627.9	306898.0	-5232.7	1219.6	-652.8
300	3178747.7	306903.5	-5204.2	1209.4	-639.4
301	3189774.2	306900.9	-5161.4	1199.1	-625.7
302	3200704.8	306890.1	-5116.6	1188.7	-612.2
303	3211576.3	306871.9	-5101.6	1178.3	-599.3
304	3222351.7	306845.8	-5057.1	1167.8	-585.9
305	3233030.5	306812.1	-5012.5	1157.2	-572.7
306	3243641.7	306771.1	-4991.4	1146.6	-559.9
307	3254170.9	306722.9	-4959.0	1135.9	-547.1
308	3264609.4	306667.4	-4919.7	1125.1	-534.2
309	3274972.3	306605.1	-4892.9	1114.3	-521.6
310	3285261.7	306536.0	-4867.9	1103.4	-509.2
311	3255201.5	306459.7	27732.9	1096.7	-498.5
312	3204766.0	306375.1	44263.2	1111.7	-497.9
313	3154264.0	306281.7	44373.8	1126.5	-497.0
314	3103709.5	306179.5	44473.0	1141.3	-495.9
315	3053100.9	306068.2	44573.1	1156.1	-494.6
316	3002431.1	305947.5	44679.3	1170.7	-492.8
317	2951721.2	305817.3	44767.8	1185.3	-491.0
318	2900978.5	305677.7	44849.8	1199.8	-489.2
319	2850170.4	305528.0	44958.8	1214.3	-486.7
320	2822258.2	305368.7	26451.3	1223.8	-482.0
321	2794790.9	305200.8	26110.2	1228.0	-475.7
322	2777515.3	275246.6	183000.0	58334.9	-617.1
323	2485972.3	245293.8	183000.0	58315.3	-608.2
324	2199526.0	215342.1	183000.0	58295.4	-598.9
325	1918189.4	185391.2	183000.0	58277.0	-590.1
326	1617888.1	185178.6	247519.1	1248.1	-441.5
327	1600276.9	184956.6	18225.5	1251.9	-434.1
328	1582636.9	184725.8	18264.8	1255.7	-427.2
329	1564957.3	184485.8	18312.8	1259.3	-420.0
330	1547239.0	184236.6	18359.8	1262.9	-412.7

331	1570375.9	154284.5	183000.0	58170.7	-533.2
332	1311984.2	124331.3	183000.0	58154.3	-523.4
333	1011186.2	124054.4	248385.0	1273.4	-390.5
334	998406.2	123768.0	14407.3	1276.7	-382.6
335	985601.5	123472.2	14440.9	1280.0	-375.0
336	972780.0	123167.2	14467.9	1283.2	-367.5
337	959934.1	122852.8	14500.9	1286.3	-359.7
338	947065.1	122528.6	14532.6	1289.4	-351.5
339	934186.9	122195.2	14552.8	1292.3	-343.9
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341	908386.6	121500.1	14601.6	1298.1	-327.8
342	895471.7	121138.3	14619.2	1300.9	-320.0
343	882548.6	120766.9	14637.6	1303.7	-311.8
344	869619.0	120385.9	14654.5	1306.3	-303.6
345	856688.7	119995.3	14666.4	1308.9	-295.3
346	843757.8	119595.3	14677.9	1311.4	-287.3
347	830827.4	119185.6	14688.3	1313.9	-278.9
348	817905.8	118766.6	14691.7	1316.3	-270.8
349	804983.8	118337.5	14702.5	1318.6	-262.0
350	792075.3	117899.1	14701.5	1320.9	-253.8
351	779177.7	117450.9	14702.6	1323.1	-245.2
352	766294.7	116993.4	14700.2	1325.2	-236.9
353	753425.3	116525.8	14698.7	1327.3	-228.0
354	740579.2	116049.0	14688.7	1329.3	-219.9
355	727749.7	115562.3	14684.2	1331.2	-210.9
356	714945.4	115066.1	14672.4	1333.0	-202.4
357	702165.7	114560.2	14660.7	1334.8	-193.6
358	689418.3	114044.8	14642.5	1336.6	-185.1
359	676697.5	113519.8	14628.8	1338.2	-176.2
360	664010.4	112985.0	14609.0	1339.8	-167.4
361	651362.3	112440.8	14584.6	1341.3	-158.7
362	638749.6	111886.9	14563.1	1342.8	-149.8
363	626181.2	111323.5	14533.8	1344.2	-141.1
364	613652.5	110750.5	14508.1	1345.5	-132.1
365	601170.9	110167.9	14476.1	1346.8	-123.1
366	589906.9	109575.8	13486.0	1348.0	-114.4
367	580064.9	108975.5	12318.6	1346.2	-105.1
368	570248.8	108366.9	12293.0	1344.1	-95.9
369	560466.9	107750.5	12260.3	1342.0	-86.9
370	550723.9	107126.3	12223.4	1339.9	-78.0
371	541011.7	106494.1	12193.0	1337.6	-68.8
372	531336.9	105854.0	12157.1	1335.3	-59.7
373	521704.7	105206.0	12116.5	1333.0	-50.5
374	512115.5	104550.7	12075.2	1330.5	-42.0
375	502563.3	103887.4	12038.9	1328.0	-32.7
376	493060.4	103216.7	11991.9	1325.4	-23.9
377	483602.4	102538.4	11948.6	1322.8	-15.0
378	474194.0	101852.8	11900.9	1320.1	-6.3
379	464834.4	101160.1	11853.6	1317.3	2.4
380	455525.0	100459.8	11805.2	1314.5	11.5
381	446271.0	99752.4	11752.0	1311.6	20.0
382	437072.6	99038.1	11698.4	1308.6	28.5
383	427929.5	98316.7	11644.8	1305.5	37.2
384	418843.8	97588.3	11589.3	1302.4	45.9
385	409817.9	96853.1	11531.5	1299.2	54.3
386	400853.7	96111.1	11471.9	1296.0	62.8
387	391953.8	95362.6	11409.8	1292.6	71.1
388	383115.7	94607.4	11349.7	1289.2	79.6
389	374347.9	93845.9	11282.1	1285.8	87.7
390	365643.6	93077.9	11219.9	1282.2	96.1
391	357009.6	92303.4	11152.0	1278.6	104.3
392	348447.5	91523.0	11082.4	1274.9	112.3
393	339955.0	90736.3	11014.4	1271.2	120.5
394	331540.1	89943.7	10939.5	1267.4	128.3
395	323196.4	89145.2	10869.8	1263.5	136.4
396	314930.2	88340.7	10794.4	1259.6	144.4
397	306743.2	87530.7	10717.5	1255.5	152.0
398	298632.8	86715.0	10642.4	1251.4	159.9
399	290604.3	85893.7	10562.7	1247.3	167.6
400	282658.9	85067.2	10481.6	1243.0	175.1
401	274794.6	84235.4	10402.1	1238.7	182.7

402	267018.7	83398.5	10316.0	1234.3	190.0
403	259325.2	82556.5	10234.9	1229.9	197.5
404	251719.9	81709.4	10148.5	1225.3	204.9
405	244204.0	80857.7	10060.9	1220.7	212.0
406	235943.7	80000.8	10663.3	1216.6	219.3
407	227630.5	79138.1	10698.2	1213.6	226.8
408	219430.8	78269.8	10595.3	1210.4	233.9
409	211339.3	77395.6	10496.7	1207.3	241.5
410	203365.6	76516.4	10389.6	1204.0	248.3
411	195506.8	75631.4	10284.9	1200.6	255.8
412	187765.1	74741.3	10177.9	1197.2	262.7
413	180141.1	73846.0	10070.1	1193.7	269.7
414	172637.1	72945.6	9960.3	1190.2	276.7
415	165255.3	72040.1	9848.3	1186.5	283.7
416	157995.5	71129.9	9736.2	1182.8	290.3
417	150859.2	70214.9	9622.4	1179.1	297.1
418	143847.8	69295.3	9507.3	1175.2	303.8
419	136962.6	68371.0	9390.8	1171.3	310.4
420	130205.8	67442.6	9272.2	1167.3	316.7
421	123578.3	66509.8	9152.5	1163.2	323.2
422	117078.9	65572.6	9033.7	1159.1	329.8
423	110710.3	64631.5	8912.2	1154.8	335.9
424	104475.6	63686.5	8787.9	1150.6	342.1
425	98374.4	62737.9	8663.4	1146.2	348.0
426	92405.6	61785.3	8539.9	1141.8	354.2
427	86572.1	60829.2	8413.5	1137.2	360.1
428	80875.0	59869.8	8285.8	1132.6	365.8
429	75314.3	58907.0	8158.0	1128.0	371.7
430	69892.9	57941.1	8027.3	1123.2	377.2
431	64608.8	56972.0	7898.1	1118.4	383.0
432	59464.5	56000.3	7766.5	1113.5	388.2
433	54460.4	55025.8	7634.2	1108.5	393.6
434	49596.9	54048.4	7501.3	1103.5	399.0
435	44876.3	53068.8	7366.2	1098.4	404.0
436	40296.8	52086.7	7232.3	1093.2	409.3
437	35861.1	51102.6	7095.8	1087.9	414.0
438	31567.2	50116.2	6960.8	1082.5	419.0
439	27418.0	49128.0	6822.9	1077.1	423.8
440	23414.1	48138.0	6684.3	1071.6	428.4
441	19554.2	47146.5	6546.4	1066.0	432.9
442	15839.5	46153.6	6407.2	1060.3	437.3
443	12270.5	45159.4	6267.4	1054.6	441.5
444	8847.4	44163.9	6127.0	1048.7	445.9
445	5571.1	43167.5	5985.6	1042.8	449.9
446	2440.4	42170.2	5844.8	1036.8	453.8
447	-543.8	41172.4	5703.1	1030.8	457.6
448	-3381.2	40174.0	5560.7	1024.6	461.5
449	-6287.3	39174.9	5598.9	1018.8	465.2
450	-9043.0	38174.9	5455.4	1013.3	469.0
451	-11639.6	37173.9	5304.6	1007.7	472.9
452	-14076.5	36172.3	5152.7	1002.0	476.4
453	-16354.4	35170.4	5001.4	996.3	479.9
454	-18472.6	34167.9	4848.9	990.5	483.4
455	-20430.9	33165.4	4696.1	984.6	486.6
456	-22229.6	32162.7	4543.1	978.6	489.8
457	-23869.9	31160.3	4390.9	972.5	492.7
458	-25350.8	30158.1	4237.4	966.4	495.7
459	-26672.8	29156.5	4084.2	960.2	498.4
460	-27836.5	28155.5	3931.0	953.9	501.1
461	-28841.8	27155.3	3777.6	947.5	503.7
462	-29689.7	26156.2	3624.4	941.0	506.0
463	-30381.4	25158.4	3472.1	934.4	508.1
464	-30914.8	24161.7	3317.8	927.8	510.5
465	-31292.9	23166.7	3165.5	921.0	512.3
466	-31515.1	22173.4	3012.5	914.2	514.2
467	-31583.8	21182.2	2861.1	907.3	515.8
468	-31497.3	20192.8	2708.1	900.3	517.5
469	-31258.8	19205.9	2557.3	893.2	518.8
470	-30868.0	18221.5	2406.0	886.1	520.1
471	-30326.0	17239.7	2255.4	878.8	521.2
472	-29634.7	16261.0	2105.8	871.4	522.0

473	-28793.2	15285.1	1955.4	864.0	523.0
474	-27804.4	14312.6	1806.9	856.5	523.7
475	-26670.2	13343.6	1659.9	848.9	524.0
476	-24143.1	12378.2	465.9	841.2	524.6
477	-20536.7	11454.0	-565.0	801.1	504.4
478	-17320.1	10573.8	-369.5	759.0	482.4
479	-14458.9	9738.4	-203.1	716.6	459.9
480	-11931.1	8948.4	-55.4	674.1	436.6
481	-9714.3	8204.7	73.3	631.5	412.8
482	-8152.1	7507.8	490.5	588.7	388.4
483	-7293.7	6836.7	1004.7	564.0	375.5
484	-6464.0	6188.1	961.4	542.4	364.4
485	-5677.7	5562.4	930.3	520.7	352.9
486	-4934.8	4959.9	898.8	498.8	341.1
487	-4234.6	4381.1	866.5	476.8	328.9
488	-3576.6	3826.5	833.4	454.7	316.3
489	-2960.0	3296.4	799.4	432.5	303.5
490	-2384.3	2791.1	764.8	410.2	290.3
491	-1849.1	2311.3	729.5	387.7	276.6
492	-1353.7	1857.3	693.4	365.1	262.6
493	-826.7	1429.5	596.8	342.4	248.4
494	-415.9	1054.9	560.4	298.4	218.2
495	-154.3	735.8	547.4	253.0	186.5
496	-9.4	473.0	506.8	207.4	154.1
497	48.3	267.2	441.1	161.6	121.0
498	48.8	119.3	349.9	115.7	87.3
499	22.3	30.0	232.7	69.5	52.9
500	0.0	0.0	89.1	23.2	17.8

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VERIFICA STABILITA' DEI PENDII

Sezione F-F - Condizione Statica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
Prodotto dei coefficienti sismici : 0.000
Coefficiente sismico verticale : 0.000
Coefficiente riduzione attrito : 1.000
Coefficiente riduzione coesione : 1.000
Coeff. amplific. carichi esercizio : 1.000
Coeff. carichi esercizio per sisma : 1.000
Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
Falda	1	213.110	176.520
Falda	2	229.500	175.860
Falda	3	239.410	175.310
Falda	4	244.860	175.250
Falda	5	249.510	174.770
Falda	6	254.590	173.500
Falda	7	258.040	172.590
Falda	8	262.460	171.810
Falda	9	264.330	171.740
Falda	10	269.290	171.380
Falda	11	274.790	171.380
Falda	12	279.870	171.740
Falda	13	294.320	171.740
Falda	14	299.340	171.990
Falda	15	304.670	171.810
Falda	16	309.500	171.680
Falda	17	315.730	171.440
Falda	18	319.540	171.440
Falda	19	329.460	169.450
Falda	20	334.900	167.870
Falda	21	340.160	167.940
Falda	22	341.620	167.630
Falda	23	344.940	165.700
Falda	24	348.810	163.520
Falda	25	355.100	160.860
Falda	26	359.520	159.770
Falda	27	361.930	160.010
Falda	28	371.610	160.070
Falda	29	394.590	159.050
Falda	30	400.640	158.680
Falda	31	404.630	159.110
Falda	32	408.740	158.320
Falda	33	410.190	157.650
Falda	34	413.030	156.630
Falda	35	416.480	153.970
Falda	36	426.820	150.580
Falda	37	428.460	150.460
Falda	38	436.800	148.040
Falda	39	446.600	144.770
Falda	40	459.720	140.360
Falda	41	466.130	138.420
Falda	42	468.730	137.880
Falda	43	485.240	133.040
Falda	44	486.990	132.980
Falda	45	492.010	131.290
Falda	46	495.340	130.740
Falda	47	498.360	130.020
Falda	48	503.500	127.720

Falda	49	504.830	127.600
Falda	50	509.910	125.420
Falda	51	514.690	124.150
Falda	52	524.730	121.130
Falda	53	531.500	118.650
Falda	54	536.700	116.530
Falda	55	539.120	115.380
Falda	56	544.810	113.870
Falda	57	549.580	113.090
Falda	58	554.660	111.570
Falda	59	557.320	111.450
Falda	60	586.110	104.380
Pendio	1	215.700	186.740
Pendio	2	218.770	185.120
Pendio	3	229.220	190.050
Pendio	4	239.620	194.190
Pendio	5	254.400	196.540
Pendio	6	259.440	196.960
Pendio	7	264.370	196.480
Pendio	8	269.360	196.480
Pendio	9	280.110	195.330
Pendio	10	284.980	195.030
Pendio	11	289.490	194.310
Pendio	12	299.460	189.330
Pendio	13	309.800	183.680
Pendio	14	329.380	173.160
Pendio	15	329.740	172.500
Pendio	16	333.710	172.500
Pendio	17	341.040	171.720
Pendio	18	349.690	167.150
Pendio	19	359.670	163.490
Pendio	20	362.250	164.090
Pendio	21	376.070	164.090
Pendio	22	387.840	163.250
Pendio	23	400.580	162.830
Pendio	24	408.750	162.710
Pendio	25	410.560	161.330
Pendio	26	413.800	160.370
Pendio	27	417.050	157.840
Pendio	28	444.500	149.670
Pendio	29	459.770	144.560
Pendio	30	472.320	140.600
Pendio	31	495.400	134.590
Pendio	32	499.240	133.990
Pendio	33	502.000	133.030
Pendio	34	507.710	130.440
Pendio	35	510.960	129.300
Pendio	36	514.860	127.800
Pendio	37	518.050	127.320
Pendio	38	524.480	125.220
Pendio	39	527.720	124.490
Pendio	40	531.630	122.750
Pendio	41	541.540	118.730
Pendio	42	551.330	116.680
Pendio	43	566.180	113.200
Pendio	44	590.150	107.610
2	1	220.210	185.799
2	2	220.210	184.710
2	3	229.570	189.040
2	4	239.430	192.950
2	5	244.530	194.000
2	6	254.560	195.350
2	7	259.560	195.760
2	8	264.490	195.720
2	9	274.760	194.950
2	10	279.620	194.310
2	11	284.550	194.100
2	12	289.480	193.190
2	13	294.380	191.030
2	14	304.650	185.150
2	15	314.610	180.020

2	16	319.370	177.280
2	17	324.370	174.750
2	18	327.070	173.230
2	19	327.070	174.401
3	1	221.200	185.168
3	2	221.200	184.170
3	3	234.380	179.320
3	4	239.420	177.700
3	5	244.680	177.380
3	6	249.580	177.070
3	7	260.380	174.910
3	8	264.430	173.650
3	9	269.330	173.150
3	10	279.810	173.960
3	11	299.560	174.010
3	12	304.780	173.960
3	13	309.460	173.650
3	14	314.590	173.600
3	15	319.490	173.240
3	16	324.530	172.660
3	17	326.560	172.750
3	18	326.560	173.517
4	1	216.740	186.191
4	2	216.740	184.540
4	3	224.490	182.050
4	4	229.310	179.940
4	5	239.290	176.740
4	6	244.660	176.300
4	7	249.620	176.320
4	8	254.520	174.970
4	9	264.300	172.830
4	10	269.350	172.070
4	11	274.630	172.540
4	12	279.880	172.920
4	13	294.180	172.890
4	14	299.340	172.980
4	15	304.660	172.740
4	16	309.530	172.480
4	17	319.770	172.510
4	18	324.530	171.720
4	19	329.260	172.070
4	20	329.260	173.224
5	1	325.540	171.795
5	2	325.540	171.150
5	3	330.540	167.130
5	4	349.010	167.130
5	5	349.010	167.509
6	1	217.660	184.244
6	2	217.660	165.480
6	3	244.440	164.050
6	4	249.590	164.100
6	5	254.390	162.620
6	6	259.660	161.640
6	7	264.460	161.300
6	8	269.500	160.440
6	9	279.740	161.180
6	10	295.250	161.180
6	11	299.310	161.530
6	12	304.570	161.130
6	13	319.510	160.840
6	14	324.430	160.100
6	15	329.640	160.610
6	16	333.760	160.500
6	17	340.340	159.700
6	18	342.340	159.070
6	19	344.970	157.410
6	20	349.150	155.230
6	21	349.935	154.821
6	22	349.935	167.060
7	1	349.935	154.821
7	2	349.935	136.792

7	3	350.665	136.792
7	4	350.665	166.792
8	1	350.665	166.792
8	2	350.665	154.632
8	3	355.100	152.890
8	4	359.330	151.570
8	5	362.690	151.899
8	6	362.690	164.090
9	1	362.690	151.899
9	2	362.690	134.090
9	3	363.990	134.090
9	4	363.990	164.090
10	1	363.990	164.090
10	2	363.990	151.956
10	3	364.830	152.030
10	4	365.630	152.024
10	5	365.630	164.090
11	1	365.630	152.024
11	2	365.630	142.090
11	3	366.250	142.090
11	4	366.250	164.090
12	1	366.250	164.090
12	2	366.250	152.021
12	3	374.780	151.970
12	4	394.580	150.940
12	5	400.820	151.000
12	6	404.540	150.940
12	7	407.910	150.710
12	8	410.490	149.170
12	9	411.460	148.880
12	10	413.630	147.400
12	11	416.840	145.390
12	12	423.880	143.160
12	13	429.430	141.900
12	14	435.830	139.730
12	15	436.690	139.670
12	16	442.470	137.730
12	17	453.000	133.890
12	18	456.090	133.210
12	19	459.410	131.950
12	20	462.500	131.260
12	21	474.510	127.600
12	22	476.970	127.250
12	23	489.790	123.650
12	24	495.230	122.510
12	25	507.470	117.760
12	26	518.340	114.610
12	27	527.900	111.460
12	28	531.730	109.750
12	29	536.650	107.740
12	30	541.400	106.600
12	31	546.210	105.680
12	32	551.650	104.080
12	33	551.650	116.605

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPEERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
6	Fila 2	2500.0	18.30	0.00	1.00
7	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
8	Fila 4	2500.0	18.30	0.00	1.00
9	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
10	Fila 3	2500.0	18.30	0.00	1.00

11	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
12	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	366.72	285.36	128.86
2	395.03	323.33	172.21
3	379.83	327.09	172.28
4	394.04	310.78	159.92
5	369.42	294.04	138.16
6	398.41	333.55	182.96
7	407.15	375.90	225.21
8	383.12	314.73	161.14
9	382.94	291.06	139.61
10	384.68	320.98	169.53
11	385.63	315.48	164.11

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	366.72	285.36	128.86	1.864	1
2	395.03	323.33	172.21	1.776	1
3	379.83	327.09	172.28	1.691	1
4	394.04	310.78	159.92	1.990	1
5	369.42	294.04	138.16	1.811	1
6	398.41	333.55	182.96	1.828	1
7	407.15	375.90	225.21	1.785	1
8	383.12	314.73	161.14	1.804	1
9	382.94	291.06	139.61	1.839	1
10	384.68	320.98	169.53	1.729	1
11	385.63	315.48	164.11	1.838	1

CERCHIO CRITICO N° 3

Larghezza del concio.....=0.297

Situazione di carico numero 1

Coefficiente di sicurezza F =1.691

Coefficiente di forma =0.11733

Coefficiente F/Fo =1.06284

Numero iterazioni = 2

Precisione =0.00043

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-40.64	0.391	0.120	19.6	72.0	0.0
2	-40.51	0.391	0.120	19.6	215.6	0.0
3	-40.38	0.390	0.120	19.6	358.5	0.0
4	-40.25	0.389	0.120	19.6	500.7	0.0
5	-40.12	0.388	0.008	19.6	632.8	0.0

6	-39.99	0.388	0.008	19.6	733.2	0.0
7	-39.86	0.387	0.008	19.6	829.9	0.0
8	-39.73	0.386	0.008	19.6	911.5	0.0
9	-39.60	0.386	0.008	19.6	992.7	0.0
10	-39.48	0.385	0.008	19.6	1073.4	0.0
11	-39.35	0.384	0.008	19.6	1153.7	0.0
12	-39.22	0.383	0.008	19.6	1233.6	0.0
13	-39.09	0.383	0.008	19.6	1313.0	0.0
14	-38.96	0.382	0.008	19.6	1392.0	0.0
15	-38.84	0.381	0.008	19.6	1470.6	0.0
16	-38.71	0.381	0.008	19.6	1548.8	0.0
17	-38.59	0.380	0.008	19.6	1626.6	0.0
18	-38.46	0.379	0.008	19.6	1703.9	0.0
19	-38.33	0.379	0.008	19.6	1780.9	0.0
20	-38.21	0.378	0.008	19.6	1857.4	0.0
21	-38.08	0.377	0.008	19.6	1933.5	0.0
22	-37.96	0.377	0.008	19.6	2009.2	0.0
23	-37.83	0.376	0.008	19.6	2084.6	0.0
24	-37.70	0.375	0.008	19.6	2159.5	0.0
25	-37.58	0.375	0.008	19.6	2234.0	0.0
26	-37.45	0.374	0.008	19.6	2311.1	0.0
27	-37.33	0.374	0.008	19.6	2387.8	0.0
28	-37.21	0.373	0.008	19.6	2464.2	0.0
29	-37.08	0.372	0.008	19.6	2540.1	0.0
30	-36.96	0.372	0.008	19.6	2615.6	0.0
31	-36.84	0.371	0.008	19.6	2690.8	0.0
32	-36.71	0.371	0.008	19.6	2765.6	0.0
33	-36.59	0.370	0.008	19.6	2840.0	0.0
34	-36.47	0.369	0.008	19.6	2914.0	0.0
35	-36.34	0.369	0.008	19.6	2987.6	0.0
36	-36.22	0.368	0.008	19.6	3060.9	0.0
37	-36.10	0.368	0.008	19.6	3133.7	0.0
38	-35.98	0.367	0.008	19.6	3206.2	0.0
39	-35.86	0.367	0.008	19.6	3278.4	0.0
40	-35.73	0.366	0.008	19.6	3350.1	0.0
41	-35.61	0.365	0.008	19.6	3421.5	0.0
42	-35.49	0.365	0.008	19.6	3489.5	0.0
43	-35.37	0.364	0.008	19.6	3555.4	0.0
44	-35.25	0.364	0.008	19.6	3628.5	0.0
45	-35.13	0.363	0.008	19.6	3701.3	0.0
46	-35.01	0.363	0.008	19.6	3773.8	0.0
47	-34.89	0.362	0.008	19.6	3845.9	0.0
48	-34.77	0.362	0.008	19.6	3917.6	0.0
49	-34.65	0.361	0.008	19.6	3989.0	0.0
50	-34.53	0.361	0.008	19.6	4060.0	0.0
51	-34.41	0.360	0.008	19.6	4130.7	0.0
52	-34.29	0.360	0.008	19.6	4201.0	0.0
53	-34.17	0.359	0.008	19.6	4271.0	0.0
54	-34.05	0.359	0.008	19.6	4340.6	0.0
55	-33.93	0.358	0.008	19.6	4409.8	0.0
56	-33.81	0.358	0.008	19.6	4478.8	0.0
57	-33.69	0.357	0.008	19.6	4547.3	0.0
58	-33.57	0.357	0.008	19.6	4615.9	0.0
59	-33.45	0.356	0.008	19.6	4691.3	0.0
60	-33.33	0.356	0.008	19.6	4756.5	0.0
61	-33.22	0.355	0.008	19.6	4814.8	0.0
62	-33.10	0.355	0.008	19.6	4872.8	0.0
63	-32.98	0.354	0.008	19.6	4930.4	0.0
64	-32.86	0.354	0.008	19.6	4987.7	0.0
65	-32.75	0.353	0.008	19.6	5044.6	0.0
66	-32.63	0.353	0.008	19.6	5101.2	0.0
67	-32.51	0.352	0.008	19.6	5157.5	0.0
68	-32.39	0.352	0.008	19.6	5213.5	0.0
69	-32.28	0.351	0.008	19.6	5269.1	0.0
70	-32.16	0.351	0.008	19.6	5324.4	0.0
71	-32.04	0.350	0.008	19.6	5379.4	0.0
72	-31.93	0.350	0.008	19.6	5434.0	0.0
73	-31.81	0.350	0.008	19.6	5488.3	0.0
74	-31.69	0.349	0.008	19.6	5542.3	0.0
75	-31.58	0.349	0.008	19.6	5578.4	0.0
76	-31.46	0.348	0.008	19.6	5588.3	0.0

77	-31.35	0.348	0.008	19.6	5598.0	0.0
78	-31.23	0.347	0.008	19.6	5607.3	0.0
79	-31.12	0.347	0.008	19.6	5616.3	0.0
80	-31.00	0.347	0.008	19.6	5624.9	0.0
81	-30.89	0.346	0.008	19.6	5633.3	0.0
82	-30.77	0.346	0.008	19.6	5641.3	0.0
83	-30.66	0.345	0.008	19.6	5649.1	0.0
84	-30.54	0.345	0.008	19.6	5656.5	0.0
85	-30.43	0.345	0.008	19.6	5663.6	0.0
86	-30.31	0.344	0.008	19.6	5670.5	0.0
87	-30.20	0.344	0.008	19.6	5677.0	0.0
88	-30.08	0.343	0.008	19.6	5683.1	0.0
89	-29.97	0.343	0.008	19.6	5689.0	0.0
90	-29.85	0.343	0.008	19.6	5694.6	0.0
91	-29.74	0.342	0.008	19.6	5699.9	0.0
92	-29.63	0.342	0.008	19.6	5711.6	0.0
93	-29.51	0.341	0.008	19.6	5723.2	0.0
94	-29.40	0.341	0.008	19.6	5734.6	0.0
95	-29.29	0.341	0.008	19.6	5745.6	0.0
96	-29.17	0.340	0.008	19.6	5756.4	0.0
97	-29.06	0.340	0.008	19.6	5766.8	0.0
98	-28.95	0.339	0.008	19.6	5777.0	0.0
99	-28.83	0.339	0.008	19.6	5786.9	0.0
100	-28.72	0.339	0.008	19.6	5796.5	0.0
101	-28.61	0.338	0.008	19.6	5805.7	0.0
102	-28.49	0.338	0.008	19.6	5814.7	0.0
103	-28.39	0.338	0.008	19.6	5823.4	0.0
104	-28.27	0.337	0.008	19.6	5831.8	0.0
105	-28.16	0.337	0.008	19.6	5840.0	0.0
106	-28.05	0.337	0.008	19.6	5847.8	0.0
107	-27.93	0.336	0.008	19.6	5855.3	0.0
108	-27.82	0.336	0.008	19.6	5862.6	0.0
109	-27.71	0.336	0.008	19.6	5862.8	0.0
110	-27.60	0.335	0.008	19.6	5861.7	0.0
111	-27.49	0.335	0.008	19.6	5860.2	0.0
112	-27.38	0.335	0.008	19.6	5858.4	0.0
113	-27.27	0.334	0.000	11.3	5864.5	0.0
114	-27.16	0.334	0.000	11.3	5888.9	0.0
115	-27.04	0.334	0.000	11.3	5912.9	0.0
116	-26.94	0.333	0.000	11.3	5936.4	0.0
117	-26.82	0.333	0.000	11.3	5959.6	0.0
118	-26.71	0.333	0.000	11.3	5982.4	0.0
119	-26.60	0.332	0.000	11.3	6004.7	0.0
120	-26.49	0.332	0.000	11.3	6026.7	0.0
121	-26.38	0.332	0.000	13.7	6048.3	0.0
122	-26.27	0.331	0.000	13.7	6069.4	0.0
123	-26.16	0.331	0.000	13.7	6090.2	0.0
124	-26.05	0.331	0.000	13.7	6110.5	0.0
125	-25.94	0.330	0.000	13.7	6130.5	0.0
126	-25.83	0.330	0.000	13.7	6148.8	0.0
127	-25.72	0.330	0.000	13.7	6162.1	0.0
128	-25.61	0.329	0.000	13.7	6181.4	0.0
129	-25.50	0.329	0.000	13.7	6209.7	0.0
130	-25.39	0.329	0.000	13.7	6237.5	0.0
131	-25.28	0.329	0.000	13.7	6264.8	0.0
132	-25.18	0.328	0.000	13.7	6291.6	0.0
133	-25.07	0.328	0.000	13.7	6318.0	0.0
134	-24.96	0.328	0.000	13.7	6343.8	0.0
135	-24.85	0.327	0.000	13.7	6369.3	0.0
136	-24.74	0.327	0.000	13.7	6394.2	0.0
137	-24.63	0.327	0.000	13.7	6418.7	0.0
138	-24.52	0.327	0.000	13.7	6442.7	0.0
139	-24.41	0.326	0.000	13.7	6466.3	0.0
140	-24.30	0.326	0.000	13.7	6489.4	0.0
141	-24.20	0.326	0.000	13.7	6512.0	0.0
142	-24.09	0.325	0.000	13.7	6534.7	0.0
143	-23.98	0.325	0.000	13.7	6559.1	0.0
144	-23.87	0.325	0.000	13.7	6584.4	0.0
145	-23.76	0.325	0.000	13.7	6609.3	0.0
146	-23.66	0.324	0.000	13.7	6633.8	0.0
147	-23.55	0.324	0.000	13.7	6657.8	0.0

148	-23.44	0.324	0.000	13.7	6681.3	0.0
149	-23.33	0.324	0.000	13.7	6704.4	0.0
150	-23.23	0.323	0.000	13.7	6727.0	0.0
151	-23.12	0.323	0.000	13.7	6749.2	0.0
152	-23.01	0.323	0.000	13.7	6770.9	0.0
153	-22.90	0.322	0.000	13.7	6792.2	0.0
154	-22.80	0.322	0.000	13.7	6813.1	0.0
155	-22.69	0.322	0.000	13.7	6833.4	0.0
156	-22.58	0.322	0.000	13.7	6853.4	0.0
157	-22.48	0.321	0.000	13.7	6872.9	0.0
158	-22.37	0.321	0.000	13.7	6891.9	0.0
159	-22.26	0.321	0.000	13.7	6910.5	0.0
160	-22.16	0.321	0.000	13.7	6928.3	0.0
161	-22.05	0.320	0.000	13.7	6945.9	0.0
162	-21.94	0.320	0.000	13.7	6963.0	0.0
163	-21.83	0.320	0.000	13.7	6979.8	0.0
164	-21.73	0.320	0.000	13.7	6997.4	0.0
165	-21.62	0.320	0.000	13.7	7014.6	0.0
166	-21.51	0.319	0.000	13.7	7031.3	0.0
167	-21.41	0.319	0.000	13.7	7047.6	0.0
168	-21.30	0.319	0.000	13.7	7063.5	0.0
169	-21.20	0.319	0.000	13.7	7079.0	0.0
170	-21.09	0.318	0.000	13.7	7093.9	0.0
171	-20.98	0.318	0.000	13.7	7108.5	0.0
172	-20.88	0.318	0.000	13.7	7122.7	0.0
173	-20.77	0.318	0.000	13.7	7136.4	0.0
174	-20.67	0.317	0.000	13.7	7149.7	0.0
175	-20.57	0.317	0.000	13.7	7162.5	0.0
176	-20.46	0.317	0.000	13.7	7169.1	0.0
177	-20.35	0.317	0.000	13.7	7168.2	0.0
178	-20.25	0.317	0.000	13.7	7166.8	0.0
179	-20.14	0.316	0.000	13.7	7165.0	0.0
180	-20.04	0.316	0.000	13.7	7162.7	0.0
181	-19.93	0.316	0.000	13.7	7160.1	0.0
182	-19.83	0.316	0.000	13.7	7157.0	0.0
183	-19.72	0.316	0.000	13.7	7153.5	0.0
184	-19.62	0.315	0.000	13.7	7149.6	0.0
185	-19.51	0.315	0.000	13.7	7145.2	0.0
186	-19.41	0.315	0.000	13.7	7140.5	0.0
187	-19.30	0.315	0.000	13.7	7135.3	0.0
188	-19.20	0.315	0.000	13.7	7129.7	0.0
189	-19.09	0.314	0.000	13.7	7123.7	0.0
190	-18.99	0.314	0.000	13.7	7117.3	0.0
191	-18.88	0.314	0.000	13.7	7110.5	0.0
192	-18.78	0.314	0.000	13.7	7103.2	0.0
193	-18.67	0.314	0.000	13.7	7102.4	0.0
194	-18.57	0.313	0.000	13.7	7105.8	0.0
195	-18.47	0.313	0.000	13.7	7108.8	0.0
196	-18.37	0.313	0.000	13.7	7111.4	0.0
197	-18.26	0.313	0.000	13.7	7113.5	0.0
198	-18.16	0.313	0.000	13.7	7115.3	0.0
199	-18.05	0.312	0.000	13.7	7116.6	0.0
200	-17.95	0.312	0.000	13.7	7234.2	0.0
201	-17.84	0.312	0.000	13.7	7202.6	0.0
202	-17.74	0.312	0.000	13.7	7170.5	0.0
203	-17.64	0.312	0.000	13.7	7138.1	0.0
204	-17.53	0.312	0.000	13.7	7105.2	0.0
205	-17.43	0.311	0.000	13.7	7072.0	0.0
206	-17.33	0.311	0.000	13.7	7038.3	0.0
207	-17.22	0.311	0.000	13.7	7004.3	0.0
208	-17.12	0.311	0.000	13.7	6969.8	0.0
209	-17.02	0.311	0.000	13.7	6906.3	0.0
210	-16.91	0.310	0.000	13.7	6651.0	0.0
211	-16.81	0.310	0.000	13.7	6677.7	0.0
212	-16.70	0.310	0.000	13.7	6728.6	0.0
213	-16.60	0.310	0.000	13.7	6779.0	0.0
214	-16.50	0.310	0.000	13.7	6829.1	0.0
215	-16.40	0.310	0.000	13.7	6878.7	0.0
216	-16.29	0.309	0.000	13.7	6928.0	0.0
217	-16.19	0.309	0.000	13.7	6976.9	0.0
218	-16.09	0.309	0.000	13.7	7025.4	0.0

219	-15.99	0.309	0.000	13.7	7073.4	0.0
220	-15.88	0.309	0.000	13.7	7121.1	0.0
221	-15.78	0.309	0.000	13.7	7168.4	0.0
222	-15.68	0.309	0.000	13.7	7215.3	0.0
223	-15.57	0.308	0.000	13.7	7261.8	0.0
224	-15.47	0.308	0.000	13.7	7298.0	0.0
225	-15.37	0.308	0.000	13.7	7325.9	0.0
226	-15.27	0.308	0.000	13.7	7353.4	0.0
227	-15.16	0.308	0.000	13.7	7380.5	0.0
228	-15.06	0.308	0.000	13.7	7413.2	0.0
229	-14.96	0.307	0.000	13.7	7450.2	0.0
230	-14.86	0.307	0.000	13.7	7486.9	0.0
231	-14.76	0.307	0.000	13.7	7523.1	0.0
232	-14.65	0.307	0.000	13.7	7559.0	0.0
233	-14.55	0.307	0.000	13.7	7594.5	0.0
234	-14.45	0.307	0.000	13.7	7629.6	0.0
235	-14.35	0.307	0.000	13.7	7664.4	0.0
236	-14.25	0.306	0.000	13.7	7698.7	0.0
237	-14.14	0.306	0.000	13.7	7732.7	0.0
238	-14.04	0.306	0.176	14.5	7766.3	0.0
239	-13.94	0.306	0.176	14.5	7799.5	0.0
240	-13.84	0.306	0.176	14.5	7832.3	0.0
241	-13.73	0.306	0.176	14.5	7864.7	0.0
242	-13.63	0.306	0.176	14.5	7896.7	0.0
243	-13.53	0.306	0.176	14.5	7928.4	0.0
244	-13.43	0.305	0.176	14.5	7959.7	0.0
245	-13.33	0.305	0.176	14.5	7990.6	0.0
246	-13.23	0.305	0.176	14.5	8014.4	0.0
247	-13.13	0.305	0.176	14.5	8036.6	0.0
248	-13.03	0.305	0.176	14.5	8058.4	0.0
249	-12.92	0.305	0.176	14.5	8017.6	0.0
250	-12.82	0.305	0.176	14.5	7967.9	0.0
251	-12.72	0.305	0.176	14.5	7905.7	0.0
252	-12.62	0.304	0.176	14.5	7842.3	0.0
253	-12.52	0.304	0.176	14.5	7778.4	0.0
254	-12.42	0.304	0.000	13.7	7714.2	0.0
255	-12.31	0.304	0.000	13.7	7649.6	0.0
256	-12.21	0.304	0.000	13.7	7584.6	0.0
257	-12.12	0.304	0.000	13.7	7519.3	0.0
258	-12.01	0.304	0.000	13.7	7453.5	0.0
259	-11.91	0.304	0.000	13.7	7387.4	0.0
260	-11.81	0.303	0.000	13.7	7321.0	0.0
261	-11.71	0.303	0.000	13.7	7254.1	0.0
262	-11.61	0.303	0.000	13.7	7187.4	0.0
263	-11.51	0.303	0.000	13.7	7120.4	0.0
264	-11.41	0.303	0.000	13.7	7053.1	0.0
265	-11.31	0.303	0.000	13.7	6985.4	0.0
266	-11.21	0.303	0.000	13.7	6917.4	0.0
267	-11.10	0.303	0.000	13.7	6848.9	0.0
268	-11.01	0.303	0.000	13.7	6780.1	0.0
269	-10.90	0.303	0.000	13.7	6710.9	0.0
270	-10.80	0.302	0.000	13.7	6641.4	0.0
271	-10.70	0.302	0.000	13.7	6571.5	0.0
272	-10.60	0.302	0.000	13.7	6501.2	0.0
273	-10.50	0.302	0.000	13.7	6430.5	0.0
274	-10.40	0.302	0.000	13.7	6359.5	0.0
275	-10.30	0.302	0.000	13.7	6291.7	0.0
276	-10.20	0.302	0.000	13.7	6224.9	0.0
277	-10.10	0.302	0.000	13.7	6157.7	0.0
278	-10.00	0.302	0.000	13.7	6110.8	0.0
279	-9.90	0.302	18.300	0.0	8768.3	0.0
280	-9.80	0.301	18.300	0.0	8703.7	0.0
281	-9.70	0.301	0.000	13.7	5987.3	0.0
282	-9.60	0.301	0.000	13.7	5945.4	0.0
283	-9.50	0.301	0.000	13.7	5903.1	0.0
284	-9.40	0.301	0.000	13.7	5860.4	0.0
285	-9.30	0.301	0.000	13.7	5817.5	0.0
286	-9.20	0.301	0.000	13.7	5774.1	0.0
287	-9.10	0.301	0.000	13.7	5730.4	0.0
288	-9.00	0.301	0.000	13.7	5686.3	0.0
289	-8.90	0.301	0.000	13.7	5641.8	0.0

290	-8.80	0.301	0.000	13.7	5597.0	0.0
291	-8.70	0.301	0.000	13.7	5551.8	0.0
292	-8.60	0.300	0.000	13.7	5506.3	0.0
293	-8.50	0.300	0.000	13.7	5460.4	0.0
294	-8.40	0.300	0.000	13.7	5414.1	0.0
295	-8.30	0.300	0.000	13.7	5367.5	0.0
296	-8.20	0.300	0.000	13.7	5323.9	0.0
297	-8.10	0.300	0.000	13.7	5282.8	0.0
298	-8.00	0.300	0.000	13.7	5241.3	0.0
299	-7.90	0.300	0.000	13.7	5199.4	0.0
300	-7.80	0.300	0.000	13.7	5157.2	0.0
301	-7.70	0.300	0.000	13.7	5114.6	0.0
302	-7.60	0.300	0.000	13.7	5071.7	0.0
303	-7.50	0.300	0.000	13.7	5028.4	0.0
304	-7.40	0.300	0.000	13.7	4984.8	0.0
305	-7.30	0.299	0.000	13.7	4940.8	0.0
306	-7.20	0.299	0.000	13.7	4896.4	0.0
307	-7.10	0.299	0.000	13.7	4851.7	0.0
308	-7.00	0.299	0.000	13.7	4806.6	0.0
309	-6.90	0.299	0.000	13.7	4761.2	0.0
310	-6.80	0.299	0.000	13.7	4715.4	0.0
311	-6.70	0.299	0.000	13.7	4693.9	0.0
312	-6.60	0.299	0.000	13.7	4760.1	0.0
313	-6.51	0.299	0.000	13.7	4825.9	0.0
314	-6.41	0.299	0.000	13.7	4891.4	0.0
315	-6.31	0.299	0.000	13.7	4956.5	0.0
316	-6.21	0.299	0.000	13.7	5021.3	0.0
317	-6.11	0.299	0.000	13.7	5085.7	0.0
318	-6.01	0.299	0.000	13.7	5149.7	0.0
319	-5.91	0.299	0.000	13.7	5211.6	0.0
320	-5.81	0.299	0.000	13.7	5252.9	0.0
321	-5.71	0.299	0.000	13.7	5273.6	0.0
322	-5.61	0.298	18.300	0.0	7582.5	0.0
323	-5.51	0.298	18.300	0.0	7613.1	0.0
324	-5.41	0.298	18.300	0.0	7643.2	0.0
325	-5.31	0.298	18.300	0.0	7672.8	0.0
326	-5.22	0.298	0.000	13.7	5371.7	0.0
327	-5.11	0.298	0.000	13.7	5390.3	0.0
328	-5.02	0.298	0.000	13.7	5408.5	0.0
329	-4.92	0.298	0.000	13.7	5426.4	0.0
330	-4.82	0.298	0.000	13.7	5443.9	0.0
331	-4.72	0.298	18.300	0.0	7838.7	0.0
332	-4.62	0.298	18.300	0.0	7864.5	0.0
333	-4.52	0.298	0.000	13.7	5494.3	0.0
334	-4.42	0.298	0.000	13.7	5510.3	0.0
335	-4.32	0.298	0.000	13.7	5526.1	0.0
336	-4.22	0.298	0.000	13.7	5541.5	0.0
337	-4.12	0.298	0.000	13.7	5556.5	0.0
338	-4.02	0.298	0.000	13.7	5571.2	0.0
339	-3.93	0.298	0.000	13.7	5585.5	0.0
340	-3.83	0.298	0.000	13.7	5599.5	0.0
341	-3.73	0.298	0.000	13.7	5613.1	0.0
342	-3.63	0.298	0.000	13.7	5626.4	0.0
343	-3.53	0.298	0.000	13.7	5639.3	0.0
344	-3.43	0.298	0.000	13.7	5651.8	0.0
345	-3.33	0.298	0.000	13.7	5664.0	0.0
346	-3.23	0.298	0.000	13.7	5675.9	0.0
347	-3.13	0.298	0.000	13.7	5687.4	0.0
348	-3.04	0.297	0.000	13.7	5698.6	0.0
349	-2.93	0.297	0.000	13.7	5709.4	0.0
350	-2.84	0.297	0.000	13.7	5719.8	0.0
351	-2.74	0.297	0.000	13.7	5729.9	0.0
352	-2.64	0.297	0.000	13.7	5737.9	0.0
353	-2.54	0.297	0.000	13.7	5745.6	0.0
354	-2.44	0.297	0.000	13.7	5752.8	0.0
355	-2.34	0.297	0.000	13.7	5759.7	0.0
356	-2.24	0.297	0.000	13.7	5766.3	0.0
357	-2.14	0.297	0.000	13.7	5772.5	0.0
358	-2.05	0.297	0.000	13.7	5778.4	0.0
359	-1.95	0.297	0.000	13.7	5783.9	0.0
360	-1.85	0.297	0.000	13.7	5789.0	0.0

361	-1.75	0.297	0.000	13.7	5793.9	0.0
362	-1.65	0.297	0.000	13.7	5798.3	0.0
363	-1.55	0.297	0.000	13.7	5802.4	0.0
364	-1.45	0.297	0.000	13.7	5806.2	0.0
365	-1.35	0.297	0.000	13.7	5809.6	0.0
366	-1.26	0.297	0.000	13.7	5812.6	0.0
367	-1.16	0.297	0.000	13.7	5803.9	0.0
368	-1.06	0.297	0.000	13.7	5794.3	0.0
369	-0.96	0.297	0.000	13.7	5784.3	0.0
370	-0.86	0.297	0.000	13.7	5774.0	0.0
371	-0.76	0.297	0.000	13.7	5763.4	0.0
372	-0.66	0.297	0.000	13.7	5752.4	0.0
373	-0.56	0.297	0.000	13.7	5741.0	0.0
374	-0.47	0.297	0.000	13.7	5729.3	0.0
375	-0.36	0.297	0.000	13.7	5717.2	0.0
376	-0.27	0.297	0.000	13.7	5704.8	0.0
377	-0.17	0.297	0.000	13.7	5692.1	0.0
378	-0.07	0.297	0.000	13.7	5679.0	0.0
379	0.03	0.297	0.000	13.7	5665.5	0.0
380	0.13	0.297	0.000	13.7	5651.7	0.0
381	0.23	0.297	0.000	13.7	5637.5	0.0
382	0.32	0.297	0.000	13.7	5623.0	0.0
383	0.42	0.297	0.000	13.7	5608.2	0.0
384	0.52	0.297	0.000	13.7	5593.0	0.0
385	0.62	0.297	0.000	13.7	5577.4	0.0
386	0.72	0.297	0.000	13.7	5561.5	0.0
387	0.82	0.297	0.000	13.7	5545.2	0.0
388	0.92	0.297	0.000	13.7	5528.6	0.0
389	1.02	0.297	0.000	13.7	5511.7	0.0
390	1.12	0.297	0.000	13.7	5494.4	0.0
391	1.22	0.297	0.000	13.7	5476.7	0.0
392	1.31	0.297	0.000	13.7	5458.7	0.0
393	1.41	0.297	0.000	13.7	5440.3	0.0
394	1.51	0.297	0.000	13.7	5421.6	0.0
395	1.61	0.297	0.000	13.7	5402.6	0.0
396	1.71	0.297	0.000	13.7	5383.1	0.0
397	1.81	0.297	0.000	13.7	5363.4	0.0
398	1.91	0.297	0.000	13.7	5343.3	0.0
399	2.01	0.297	0.000	13.7	5322.8	0.0
400	2.10	0.297	0.000	13.7	5302.0	0.0
401	2.20	0.297	0.000	13.7	5280.8	0.0
402	2.30	0.297	0.000	13.7	5259.3	0.0
403	2.40	0.297	0.000	13.7	5237.5	0.0
404	2.50	0.297	0.000	13.7	5215.2	0.0
405	2.60	0.297	0.000	13.7	5192.7	0.0
406	2.70	0.297	0.000	13.7	5171.9	0.0
407	2.80	0.297	0.000	13.7	5155.1	0.0
408	2.89	0.297	0.000	13.7	5137.9	0.0
409	3.00	0.297	0.000	13.7	5120.4	0.0
410	3.09	0.297	0.000	13.7	5102.5	0.0
411	3.19	0.298	0.000	13.7	5084.2	0.0
412	3.29	0.298	0.000	13.7	5065.7	0.0
413	3.39	0.298	0.000	13.7	5046.7	0.0
414	3.49	0.298	0.000	13.7	5027.4	0.0
415	3.59	0.298	0.000	13.7	5007.8	0.0
416	3.69	0.298	0.000	13.7	4987.8	0.0
417	3.79	0.298	0.000	13.7	4967.4	0.0
418	3.88	0.298	0.000	13.7	4946.7	0.0
419	3.98	0.298	0.000	13.7	4925.7	0.0
420	4.08	0.298	0.000	13.7	4904.3	0.0
421	4.18	0.298	0.000	13.7	4882.5	0.0
422	4.28	0.298	0.000	13.7	4860.4	0.0
423	4.38	0.298	0.000	13.7	4838.0	0.0
424	4.48	0.298	0.000	13.7	4815.2	0.0
425	4.58	0.298	0.000	13.7	4792.0	0.0
426	4.68	0.298	0.000	13.7	4768.5	0.0
427	4.78	0.298	0.000	13.7	4744.6	0.0
428	4.87	0.298	0.000	13.7	4720.4	0.0
429	4.98	0.298	0.000	13.7	4695.4	0.0
430	5.07	0.298	0.000	13.7	4669.9	0.0
431	5.17	0.298	0.000	13.7	4644.0	0.0

432	5.27	0.298	0.000	13.7	4617.8	0.0
433	5.37	0.298	0.000	13.7	4591.2	0.0
434	5.47	0.298	0.000	13.7	4564.2	0.0
435	5.57	0.298	0.000	13.7	4536.9	0.0
436	5.67	0.299	0.000	13.7	4509.3	0.0
437	5.77	0.299	0.000	13.7	4481.3	0.0
438	5.87	0.299	0.000	13.7	4452.9	0.0
439	5.97	0.299	0.000	13.7	4424.2	0.0
440	6.07	0.299	0.000	13.7	4395.1	0.0
441	6.17	0.299	0.000	13.7	4365.7	0.0
442	6.26	0.299	0.000	13.7	4335.9	0.0
443	6.36	0.299	0.000	13.7	4305.7	0.0
444	6.46	0.299	0.000	13.7	4275.2	0.0
445	6.56	0.299	0.000	13.7	4244.4	0.0
446	6.66	0.299	0.000	13.7	4213.2	0.0
447	6.76	0.299	0.000	13.7	4181.6	0.0
448	6.86	0.299	0.000	13.7	4149.7	0.0
449	6.96	0.299	0.000	13.7	4120.2	0.0
450	7.06	0.299	0.000	13.7	4096.6	0.0
451	7.16	0.299	0.000	13.7	4072.6	0.0
452	7.26	0.299	0.000	13.7	4048.3	0.0
453	7.36	0.300	0.000	13.7	4023.6	0.0
454	7.46	0.300	0.000	13.7	3998.5	0.0
455	7.56	0.300	0.000	13.7	3973.1	0.0
456	7.66	0.300	0.000	13.7	3947.3	0.0
457	7.76	0.300	0.000	13.7	3921.2	0.0
458	7.86	0.300	0.000	13.7	3894.7	0.0
459	7.96	0.300	0.000	13.7	3867.9	0.0
460	8.06	0.300	0.000	13.7	3840.7	0.0
461	8.16	0.300	0.000	13.7	3813.1	0.0
462	8.26	0.300	0.000	13.7	3785.2	0.0
463	8.35	0.300	0.000	13.7	3748.3	0.0
464	8.46	0.300	0.000	13.7	3709.0	0.0
465	8.56	0.300	0.000	13.7	3669.4	0.0
466	8.66	0.300	0.000	13.7	3629.5	0.0
467	8.75	0.301	0.000	13.7	3589.2	0.0
468	8.86	0.301	0.000	13.7	3548.5	0.0
469	8.96	0.301	0.000	13.7	3507.4	0.0
470	9.06	0.301	0.000	13.7	3466.0	0.0
471	9.16	0.301	0.000	13.7	3424.2	0.0
472	9.25	0.301	0.000	13.7	3382.1	0.0
473	9.36	0.301	0.000	13.7	3339.6	0.0
474	9.46	0.301	0.000	13.7	3296.7	0.0
475	9.55	0.301	0.000	13.7	3253.5	0.0
476	9.66	0.301	0.000	13.7	3209.9	0.0
477	9.76	0.301	0.000	13.7	3038.5	0.0
478	9.86	0.302	0.000	13.7	2859.2	0.0
479	9.96	0.302	0.000	13.7	2679.6	0.0
480	10.06	0.302	0.000	13.7	2499.7	0.0
481	10.16	0.302	0.000	13.7	2319.7	0.0
482	10.26	0.302	0.000	13.7	2146.0	0.0
483	10.36	0.302	0.000	13.7	2054.1	0.0
484	10.46	0.302	0.000	13.7	1973.6	0.0
485	10.56	0.302	0.000	13.7	1892.8	0.0
486	10.66	0.302	0.000	13.7	1811.8	0.0
487	10.76	0.302	0.000	13.7	1730.4	0.0
488	10.86	0.302	0.000	13.7	1648.7	0.0
489	10.96	0.303	0.000	13.7	1566.7	0.0
490	11.06	0.303	0.000	13.7	1484.4	0.0
491	11.16	0.303	0.000	13.7	1401.8	0.0
492	11.26	0.303	0.000	13.7	1318.8	0.0
493	11.36	0.303	0.000	13.7	1235.6	0.0
494	11.47	0.303	0.000	13.7	1075.9	0.0
495	11.57	0.303	0.000	13.7	911.2	0.0
496	11.67	0.303	0.000	13.7	746.2	0.0
497	11.77	0.303	0.000	13.7	581.0	0.0
498	11.87	0.304	0.000	13.7	415.4	0.0
499	11.97	0.304	0.000	13.7	249.4	0.0
500	12.07	0.304	0.000	13.7	83.2	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-136.7	-468.6	1228.3	591.7	-61.8
2	-212.6	-679.6	1313.2	668.7	-184.2
3	-212.8	-815.1	1382.5	744.9	-304.8
4	-207.3	-876.0	1522.4	820.3	-423.9
5	-562.0	-568.0	1073.3	380.9	-533.2
6	-631.7	-209.6	886.0	434.3	-615.0
7	-768.8	196.5	1054.0	485.3	-692.9
8	-949.2	642.1	1182.0	527.8	-757.6
9	-1192.9	1126.5	1330.4	569.9	-821.3
10	-1505.2	1649.1	1483.8	611.5	-884.1
11	-1891.3	2209.2	1642.2	652.7	-945.9
12	-2356.1	2806.2	1805.7	693.3	-1006.8
13	-2904.7	3439.5	1973.9	733.6	-1066.8
14	-3541.8	4108.2	2146.8	773.3	-1125.8
15	-4272.1	4812.0	2324.4	812.6	-1184.0
16	-5100.2	5550.0	2506.4	851.5	-1241.3
17	-6030.7	6321.8	2692.9	890.0	-1297.8
18	-7067.7	7126.6	2883.4	928.0	-1353.3
19	-8215.5	7964.0	3078.3	965.6	-1408.1
20	-9478.4	8833.3	3277.4	1002.8	-1461.9
21	-10860.3	9733.8	3480.1	1039.6	-1515.0
22	-12365.1	10665.2	3686.9	1076.0	-1567.3
23	-13996.5	11626.7	3897.3	1112.0	-1618.8
24	-15758.3	12617.8	4111.4	1147.6	-1669.3
25	-17654.2	13637.9	4329.2	1182.8	-1719.2
26	-19697.3	14687.8	4563.5	1219.1	-1770.5
27	-21883.3	15767.0	4793.1	1255.1	-1821.0
28	-24215.8	16875.1	5026.4	1290.8	-1871.0
29	-26697.6	18011.3	5262.5	1326.0	-1919.8
30	-29332.6	19175.1	5502.4	1360.9	-1968.2
31	-32123.6	20366.0	5745.1	1395.4	-2015.6
32	-35073.8	21583.4	5991.1	1429.6	-2062.4
33	-38186.2	22826.9	6239.9	1463.4	-2108.4
34	-41463.1	24095.9	6491.2	1496.8	-2153.6
35	-44908.8	25389.8	6746.7	1529.9	-2198.2
36	-48524.4	26708.1	7003.3	1562.7	-2241.9
37	-52313.3	28050.4	7263.3	1595.1	-2285.1
38	-56277.2	29416.1	7525.0	1627.2	-2327.4
39	-60420.7	30804.9	7791.2	1659.0	-2369.3
40	-64743.5	32216.0	8057.4	1690.4	-2410.2
41	-69249.0	33649.1	8326.6	1721.6	-2450.7
42	-73925.6	35102.4	8580.8	1750.9	-2488.1
43	-79058.9	36574.6	9130.9	1779.1	-2523.7
44	-84736.7	38068.7	9780.5	1810.7	-2564.3
45	-90654.4	39583.9	10112.8	1842.0	-2603.9
46	-96814.0	41120.0	10447.0	1873.0	-2643.1
47	-103218.6	42676.3	10784.4	1903.7	-2681.5
48	-109870.9	44252.4	11124.8	1934.1	-2719.3
49	-116774.6	45848.0	11468.8	1964.3	-2756.5
50	-123930.5	47462.5	11813.7	1994.1	-2793.1
51	-131341.5	49095.4	12161.8	2023.6	-2829.0
52	-139010.6	50746.2	12512.9	2052.9	-2864.2
53	-146939.8	52414.7	12866.0	2081.9	-2898.9
54	-155128.1	54100.1	13218.4	2110.5	-2932.8
55	-163582.8	55802.4	13578.0	2139.0	-2966.5
56	-172301.5	57520.8	13935.5	2167.1	-2999.3
57	-181288.0	59254.8	14296.7	2195.0	-3031.4
58	-190544.7	61004.7	14660.9	2222.8	-3063.6
59	-199909.6	62772.1	14862.3	2253.7	-3099.4
60	-207549.9	64553.3	13123.1	2279.7	-3128.6
61	-215304.8	66345.3	13312.4	2302.4	-3152.8
62	-223204.9	68147.5	13533.9	2324.7	-3176.3
63	-231249.9	69959.8	13754.8	2346.9	-3199.4
64	-239442.4	71781.9	13978.2	2368.9	-3222.2
65	-247779.4	73613.2	14198.5	2390.6	-3244.2
66	-256260.5	75453.5	14418.1	2412.1	-3266.0
67	-264886.1	77302.4	14637.9	2433.4	-3287.2

68	-273657.1	79159.5	14858.7	2454.5	-3307.8
69	-282571.5	81024.5	15077.3	2475.3	-3328.0
70	-291628.4	82897.2	15294.5	2495.9	-3347.8
71	-300828.7	84776.9	15512.8	2516.3	-3366.9
72	-310172.5	86663.7	15730.9	2536.6	-3386.1
73	-319655.1	88556.9	15944.0	2556.5	-3404.1
74	-329281.5	90456.4	16162.1	2576.3	-3422.3
75	-329242.1	92355.9	5949.7	2587.9	-3429.0
76	-327867.5	94246.0	4545.6	2587.4	-3419.4
77	-326163.9	96127.1	4208.5	2586.9	-3410.0
78	-324126.7	97998.5	3866.0	2586.1	-3399.8
79	-321765.1	99860.7	3532.5	2585.4	-3390.3
80	-319073.8	101712.9	3192.7	2584.4	-3379.6
81	-316061.3	103555.6	2861.3	2583.4	-3369.6
82	-312721.9	105388.2	2523.1	2582.2	-3358.8
83	-309066.7	107211.0	2196.1	2581.0	-3348.3
84	-305093.4	109023.7	1866.0	2579.6	-3337.3
85	-300802.5	110826.3	1535.6	2578.1	-3326.4
86	-296197.8	112618.5	1208.8	2576.4	-3315.0
87	-291283.7	114400.3	885.9	2574.7	-3303.6
88	-286060.2	116171.7	562.5	2572.9	-3292.0
89	-280528.4	117932.6	239.4	2571.0	-3280.5
90	-274694.2	119682.8	-77.8	2569.0	-3268.5
91	-268555.8	121422.3	-397.8	2566.8	-3256.6
92	-262154.6	123152.9	-666.9	2567.5	-3248.0
93	-255462.4	124874.9	-966.3	2568.3	-3240.0
94	-248478.6	126588.0	-1267.1	2568.9	-3231.4
95	-241200.3	128291.9	-1571.7	2569.4	-3222.5
96	-233638.0	129986.6	-1865.5	2569.7	-3213.5
97	-225787.2	131672.1	-2164.9	2570.0	-3204.5
98	-217656.9	133348.3	-2455.0	2570.2	-3195.3
99	-209240.3	135015.1	-2753.1	2570.3	-3185.9
100	-200543.9	136672.3	-3045.0	2570.3	-3176.3
101	-191571.9	138320.1	-3332.7	2570.2	-3166.8
102	-182323.5	139957.7	-3622.1	2569.8	-3156.5
103	-172802.5	141585.8	-3907.8	2569.5	-3146.8
104	-163007.1	143203.8	-4196.1	2569.0	-3136.4
105	-152947.5	144811.9	-4474.0	2568.4	-3126.1
106	-142621.0	146410.0	-4755.3	2567.9	-3115.8
107	-132030.4	147997.6	-5034.3	2567.0	-3104.8
108	-120348.7	149575.2	-6205.9	2566.2	-3094.2
109	-106833.6	151140.6	-8187.5	2562.3	-3079.9
110	-93012.8	152693.4	-8522.7	2557.8	-3064.5
111	-78885.0	154233.6	-8859.9	2553.3	-3049.3
112	-64463.0	155761.2	-9184.1	2548.6	-3033.9
113	-60099.3	157908.8	951.6	1480.5	-3022.6
114	-45209.2	160052.5	-5708.9	1484.2	-3021.0
115	-29909.7	162191.6	-5955.0	1487.7	-3018.4
116	-14196.6	164326.7	-6204.1	1491.2	-3016.4
117	1925.9	166456.9	-6450.9	1494.4	-3013.5
118	18451.2	168582.3	-6693.9	1497.7	-3010.5
119	35384.9	170702.6	-6940.9	1500.8	-3007.3
120	52723.1	172817.5	-7185.8	1503.8	-3003.8
121	73287.7	174744.8	-11117.8	1814.7	-2999.9
122	91287.7	176666.2	-9140.4	1818.3	-2996.0
123	109655.5	178581.1	-9409.3	1821.6	-2991.6
124	128383.7	180489.7	-9673.1	1824.9	-2987.1
125	147469.5	182391.4	-9935.1	1828.0	-2982.1
126	166922.3	184286.1	-10205.6	1830.8	-2976.8
127	186746.7	186171.8	-10483.9	1831.9	-2968.4
128	206854.5	188053.5	-10702.5	1830.1	-2963.4
129	227214.1	189937.8	-10908.1	1823.9	-2962.3
130	247940.8	191824.3	-11202.6	1817.7	-2960.8
131	269036.9	193712.9	-11499.3	1811.4	-2959.3
132	290500.1	195603.4	-11794.5	1805.1	-2957.4
133	312331.6	197495.1	-12091.1	1798.8	-2954.8
134	334525.3	199388.0	-12383.4	1792.4	-2952.3
135	357091.5	201282.2	-12683.9	1786.0	-2949.7
136	380022.9	203176.6	-12979.3	1779.4	-2946.2
137	403321.7	205071.7	-13276.6	1772.9	-2942.9
138	426980.0	206966.8	-13568.4	1766.3	-2939.1

139	451005.8	208861.6	-13866.6	1759.7	-2934.9
140	475401.9	210756.2	-14167.3	1753.1	-2930.7
141	500158.1	212650.2	-14460.5	1746.4	-2926.2
142	525271.0	214543.5	-14751.2	1739.8	-2921.6
143	550385.8	216436.0	-14766.1	1734.0	-2917.3
144	575551.6	218328.3	-14817.9	1728.7	-2914.1
145	601068.8	220220.0	-15101.9	1723.3	-2910.2
146	626928.7	222110.6	-15379.4	1717.8	-2905.9
147	653141.1	224000.0	-15664.9	1712.3	-2901.4
148	679708.6	225888.1	-15952.8	1706.8	-2896.9
149	706615.0	227774.4	-16228.4	1701.2	-2891.8
150	733874.3	229659.2	-16515.2	1695.6	-2887.0
151	761466.6	231541.7	-16787.1	1689.9	-2881.3
152	789408.0	233421.6	-17071.8	1684.1	-2875.2
153	817694.3	235299.2	-17353.5	1678.4	-2869.6
154	846316.4	237174.1	-17628.5	1672.5	-2863.4
155	875279.9	239045.9	-17908.3	1666.7	-2856.9
156	904576.4	240914.7	-18181.7	1660.8	-2850.4
157	934206.3	242780.0	-18456.1	1654.8	-2843.3
158	964172.4	244641.5	-18732.8	1648.8	-2836.0
159	994468.4	246499.3	-19005.0	1642.8	-2828.7
160	1025095.5	248353.1	-19278.7	1636.6	-2821.1
161	1056043.0	250202.7	-19544.3	1630.4	-2813.3
162	1087319.0	252047.6	-19816.7	1624.1	-2804.8
163	1118914.8	253888.0	-20082.8	1617.8	-2796.5
164	1150828.7	255724.7	-20349.0	1611.0	-2788.8
165	1183065.1	257557.2	-20619.3	1604.0	-2780.5
166	1215605.1	259384.9	-20875.3	1597.0	-2771.7
167	1248487.9	261208.8	-21161.8	1590.0	-2763.6
168	1281666.0	263027.4	-21412.0	1582.9	-2754.2
169	1315167.7	264841.4	-21684.3	1575.8	-2745.3
170	1348980.2	266650.4	-21947.1	1568.7	-2736.2
171	1383095.4	268454.0	-22204.0	1561.5	-2726.5
172	1417527.8	270252.6	-22472.2	1554.3	-2717.3
173	1452254.4	272045.4	-22723.2	1547.0	-2707.1
174	1487289.8	273832.5	-22985.8	1539.7	-2697.1
175	1522626.6	275614.0	-23242.7	1532.4	-2687.2
176	1558259.3	277387.2	-23497.0	1524.6	-2674.3
177	1594223.4	279148.8	-23774.3	1518.5	-2659.2
178	1630434.0	280898.5	-23986.0	1512.4	-2643.6
179	1666893.9	282636.1	-24200.0	1506.1	-2627.8
180	1703608.1	284361.9	-24418.3	1499.9	-2612.3
181	1740566.5	286075.6	-24628.9	1493.7	-2596.6
182	1777758.9	287777.0	-24832.0	1487.3	-2580.4
183	1815185.1	289465.7	-25035.3	1480.9	-2564.1
184	1852861.2	291142.6	-25251.1	1474.6	-2548.3
185	1890754.4	292807.0	-25441.8	1468.1	-2532.1
186	1928863.8	294458.5	-25632.1	1461.6	-2515.4
187	1967199.2	296097.4	-25830.4	1455.0	-2498.9
188	2005756.3	297724.0	-26025.3	1448.5	-2482.7
189	2044525.7	299337.7	-26213.5	1441.9	-2465.9
190	2083492.1	300938.5	-26389.8	1435.2	-2449.1
191	2122665.5	302526.4	-26574.4	1428.5	-2432.1
192	2162044.3	304101.5	-26757.7	1421.7	-2415.4
193	2201612.3	305664.7	-26923.6	1416.8	-2400.6
194	2241377.8	307216.9	-27092.3	1413.1	-2387.5
195	2281338.1	308757.8	-27259.3	1409.4	-2373.9
196	2321513.4	310287.8	-27442.2	1405.6	-2360.8
197	2361859.6	311805.9	-27591.4	1401.8	-2346.6
198	2402421.1	313313.0	-27774.9	1397.9	-2333.3
199	2443170.6	314808.5	-27937.7	1394.0	-2319.4
200	2484000.3	316311.4	-27924.7	1421.8	-2343.3
201	2525277.2	317796.9	-28316.7	1409.0	-2318.2
202	2566703.2	319265.6	-28474.6	1396.2	-2293.9
203	2608255.0	320717.2	-28614.8	1383.3	-2269.2
204	2649924.5	322151.8	-28749.0	1370.4	-2244.6
205	2691721.4	323569.8	-28890.8	1357.5	-2220.3
206	2733634.3	324970.7	-29024.1	1344.5	-2195.6
207	2775652.9	326354.7	-29149.5	1331.5	-2170.9
208	2817791.7	327722.0	-29286.3	1318.5	-2146.7
209	2949361.0	329068.7	-99641.2	1297.7	-2113.6

210	3049642.2	330365.6	-75273.0	1226.9	-2022.2
211	3033248.8	331654.2	16479.5	1232.9	-2017.2
212	3016543.4	332937.3	16768.8	1245.4	-2019.1
213	2999600.5	334215.2	16999.0	1257.8	-2021.4
214	2982367.5	335487.2	17271.1	1270.1	-2022.6
215	2964885.9	336753.1	17510.2	1282.4	-2023.9
216	2947129.2	338012.8	17770.2	1294.6	-2024.9
217	2929120.4	339266.4	18011.8	1306.8	-2025.9
218	2910828.9	340512.8	18277.8	1318.8	-2025.9
219	2892284.7	341752.5	18520.0	1330.9	-2026.3
220	2873468.2	342985.0	18777.4	1342.8	-2026.1
221	2854380.8	344209.9	19034.0	1354.6	-2025.6
222	2835041.0	345427.4	19275.7	1366.5	-2025.1
223	2816097.7	346636.8	19005.5	1378.2	-2024.0
224	2808474.3	347836.7	10106.9	1387.2	-2019.8
225	2800672.6	349026.4	10273.3	1394.0	-2013.6
226	2792669.7	350205.7	10457.8	1400.8	-2007.2
227	2784460.6	351374.0	10646.1	1407.5	-2000.2
228	2776044.4	352534.6	10828.1	1411.8	-1994.9
229	2767439.3	353689.6	10989.9	1414.1	-1990.8
230	2758669.1	354838.4	11132.9	1416.3	-1985.9
231	2749757.4	355981.6	11256.9	1418.5	-1981.6
232	2740674.1	357118.3	11404.7	1420.7	-1976.3
233	2731429.7	358248.6	11544.2	1422.8	-1971.2
234	2722035.3	359372.3	11674.8	1424.8	-1965.8
235	2712471.9	360489.2	11820.2	1426.8	-1960.2
236	2702761.4	361599.4	11948.2	1428.8	-1954.7
237	2692880.1	362702.2	12094.9	1430.6	-1948.3
238	2685162.4	363413.0	12697.2	2083.7	-1942.4
239	2672162.9	364116.4	17139.3	2085.3	-1935.8
240	2659040.8	364812.1	17255.2	2086.8	-1929.1
241	2645800.6	365500.0	17367.2	2088.3	-1922.1
242	2632442.2	366180.3	17479.1	2089.7	-1915.4
243	2618956.9	366852.7	17598.1	2091.1	-1908.4
244	2605352.6	367516.8	17710.6	2092.4	-1900.8
245	2591613.3	368172.3	17836.2	2093.7	-1893.0
246	2577788.5	368816.3	17928.7	2097.8	-1883.8
247	2563830.5	369447.9	18062.4	2102.3	-1874.2
248	2569330.7	370067.0	1722.7	2106.8	-1864.3
249	2606813.1	370669.1	-25212.7	2093.9	-1839.7
250	2644296.4	371254.1	-25263.4	2078.5	-1813.5
251	2681792.9	371816.5	-25309.3	2068.2	-1784.8
252	2719212.9	372355.9	-25278.8	2058.3	-1755.9
253	2756552.2	372872.2	-25245.1	2048.2	-1726.8
254	2791638.9	373747.1	-23689.1	1393.8	-1698.7
255	2831765.0	374598.8	-27730.7	1384.5	-1670.0
256	2871880.5	375427.7	-27755.5	1375.2	-1641.8
257	2911961.1	376234.5	-27761.1	1365.9	-1614.1
258	2951990.2	377018.6	-27753.9	1356.5	-1585.8
259	2991997.2	377780.9	-27770.1	1347.1	-1558.5
260	3031945.0	378521.2	-27756.9	1337.6	-1530.9
261	3071837.4	379239.8	-27746.9	1328.1	-1503.5
262	3111675.5	379936.9	-27738.7	1318.4	-1476.4
263	3151476.6	380613.4	-27744.3	1308.6	-1449.8
264	3191192.3	381268.9	-27711.7	1298.7	-1423.1
265	3230864.2	381904.0	-27712.1	1288.8	-1396.9
266	3270459.0	382518.6	-27686.6	1278.9	-1370.5
267	3309980.5	383112.9	-27664.0	1268.9	-1344.2
268	3349426.8	383687.4	-27640.0	1258.9	-1318.5
269	3388796.3	384242.0	-27615.0	1248.8	-1292.7
270	3428089.0	384777.3	-27590.0	1238.7	-1267.3
271	3467282.3	385293.0	-27547.3	1228.6	-1241.9
272	3506404.9	385789.7	-27527.4	1218.4	-1216.9
273	3545434.8	386267.7	-27490.1	1208.2	-1192.1
274	3584373.2	386727.2	-27454.0	1198.0	-1167.5
275	3623192.1	387169.5	-27400.1	1186.3	-1143.4
276	3661943.3	387595.7	-27389.2	1174.0	-1120.1
277	3695208.2	388006.0	-23043.2	1161.7	-1096.9
278	3713063.5	388401.1	-10736.8	1154.7	-1077.6
279	3765156.2	354742.9	183000.0	59536.2	-1530.0
280	3451167.7	321079.0	183000.0	59501.2	-1503.5

281	3107111.8	321429.2	279066.7	1138.6	-1023.2
282	3122040.3	321764.9	-8464.9	1133.1	-1005.3
283	3136862.7	322086.3	-8397.8	1127.6	-987.9
284	3151540.5	322393.0	-8300.2	1122.1	-969.9
285	3166114.2	322685.4	-8235.0	1116.5	-952.3
286	3180567.0	322964.0	-8156.5	1110.9	-935.2
287	3194897.2	323228.6	-8076.7	1105.2	-917.8
288	3209092.6	323479.0	-7987.5	1099.5	-900.2
289	3223183.9	323715.9	-7922.7	1093.7	-883.3
290	3237156.6	323939.4	-7846.5	1087.9	-866.5
291	3250990.1	324149.1	-7754.0	1082.0	-849.3
292	3264704.9	324345.4	-7678.1	1076.2	-832.4
293	3278303.3	324528.8	-7604.0	1070.2	-815.9
294	3291787.2	324699.3	-7531.6	1064.3	-799.5
295	3305127.2	324856.6	-7435.7	1058.2	-782.7
296	3318366.9	325002.6	-7379.1	1050.8	-767.1
297	3331508.2	325138.5	-7327.6	1042.3	-751.9
298	3344527.2	325264.1	-7256.9	1033.7	-736.6
299	3357453.4	325379.6	-7210.2	1025.1	-721.4
300	3370295.1	325485.3	-7170.2	1016.5	-706.5
301	3383032.9	325581.2	-7114.9	1007.8	-691.5
302	3395663.7	325667.2	-7057.1	999.0	-676.6
303	3408226.3	325744.2	-7030.5	990.3	-662.3
304	3420681.3	325811.7	-6972.7	981.5	-647.5
305	3433027.8	325869.8	-6914.1	972.6	-633.0
306	3445296.4	325918.9	-6880.3	963.7	-618.7
307	3457471.6	325959.3	-6834.2	954.7	-604.6
308	3469543.9	325990.6	-6780.5	945.7	-590.3
309	3481529.0	326013.4	-6739.6	936.7	-576.4
310	3493429.0	326027.9	-6700.6	927.6	-562.7
311	3462389.4	326036.0	27923.8	919.6	-551.7
312	3409657.9	326036.5	45477.8	931.6	-551.1
313	3356839.9	326029.1	45596.7	943.6	-550.3
314	3303949.5	326013.6	45704.2	955.5	-549.2
315	3250984.2	325989.8	45813.6	967.4	-547.9
316	3197935.2	325957.1	45930.2	979.2	-546.0
317	3144824.2	325915.5	46029.0	991.0	-544.1
318	3091658.3	325865.1	46121.6	1002.7	-542.3
319	3038401.8	325804.6	46245.8	1015.1	-539.4
320	3009548.7	325734.1	26546.3	1023.2	-534.2
321	2981156.2	325655.1	26189.2	1026.0	-527.4
322	2964271.4	291922.0	183000.0	58334.9	-745.1
323	2637487.1	258190.3	183000.0	58315.3	-734.8
324	2316440.7	224459.4	183000.0	58295.4	-724.0
325	2001145.0	190729.2	183000.0	58277.0	-713.8
326	1664395.7	190605.2	276027.5	1039.4	-490.3
327	1647085.2	190471.8	17301.1	1041.9	-482.3
328	1629729.9	190329.3	17349.6	1044.4	-474.8
329	1612318.8	190177.4	17407.0	1046.8	-466.9
330	1594852.5	190016.2	17463.7	1049.2	-458.9
331	1623553.3	156282.1	183000.0	58170.7	-647.0
332	1334025.4	122546.2	183000.0	58154.3	-635.4
333	996534.7	122356.5	277161.5	1056.2	-434.6
334	984599.3	122157.0	13021.3	1058.4	-426.0
335	972621.8	121947.7	13065.5	1060.5	-417.6
336	960610.1	121729.0	13103.2	1062.7	-409.3
337	948557.0	121500.4	13146.6	1064.8	-400.7
338	936463.6	121261.6	13189.1	1066.8	-391.8
339	924342.9	121013.2	13220.7	1068.8	-383.3
340	912190.7	120755.2	13255.5	1070.7	-374.8
341	900005.8	120486.8	13291.4	1072.6	-365.6
342	887795.8	120208.6	13320.7	1074.5	-356.9
343	875560.4	119920.4	13350.4	1076.3	-347.9
344	863300.7	119622.0	13378.8	1078.1	-338.8
345	851022.5	119313.4	13402.4	1079.8	-329.6
346	838725.9	118994.9	13425.8	1081.5	-320.7
347	826412.4	118666.2	13447.8	1083.1	-311.4
348	814089.8	118327.4	13463.3	1084.7	-302.4
349	801749.6	117978.1	13485.7	1086.3	-292.7
350	789404.9	117618.7	13497.1	1087.8	-283.5
351	777053.6	117249.0	13510.0	1089.2	-274.0

352	764701.1	116868.6	13520.6	1091.3	-264.7
353	752342.1	116477.1	13535.5	1093.4	-254.7
354	739985.4	116075.2	13542.8	1095.4	-245.6
355	727626.1	115662.2	13554.3	1097.4	-235.5
356	715271.4	115238.4	13559.4	1099.3	-226.0
357	702922.1	114803.8	13564.0	1101.2	-216.2
358	690585.6	114358.4	13562.2	1103.0	-206.6
359	678256.7	113902.1	13564.5	1104.8	-196.7
360	665942.7	113434.8	13560.8	1106.6	-186.7
361	653648.9	112956.9	13552.4	1108.3	-177.1
362	641372.3	112467.9	13546.5	1109.9	-167.1
363	629121.8	111968.3	13532.9	1111.6	-157.4
364	616893.6	111457.8	13522.6	1113.1	-147.3
365	604694.8	110936.2	13506.0	1114.7	-137.3
366	593705.8	110404.0	12523.8	1116.1	-127.5
367	584134.5	109862.4	11361.4	1114.6	-117.2
368	574575.9	109311.5	11347.8	1113.0	-106.8
369	565038.6	108751.6	11327.0	1111.2	-96.9
370	555527.7	108182.7	11301.7	1109.4	-86.9
371	546035.4	107604.8	11282.8	1107.6	-76.7
372	536568.0	107017.7	11258.5	1105.7	-66.5
373	527131.2	106421.7	11229.3	1103.8	-56.3
374	517725.2	105817.2	11199.7	1101.8	-46.8
375	508345.0	105203.6	11174.3	1099.8	-36.4
376	499002.2	104581.4	11138.9	1097.8	-26.7
377	489693.0	103950.5	11106.7	1095.7	-16.7
378	480422.2	103311.2	11070.2	1093.5	-7.0
379	471189.4	102663.6	11033.9	1091.3	2.6
380	461996.2	102007.1	10996.1	1089.1	12.8
381	452847.5	101342.5	10954.2	1086.8	22.3
382	443744.1	100669.7	10911.3	1084.5	31.8
383	434685.9	99988.7	10868.3	1082.1	41.5
384	425675.2	99299.4	10823.4	1079.7	51.1
385	416714.3	98602.3	10776.3	1077.2	60.4
386	407805.9	97897.1	10726.9	1074.7	70.0
387	398952.2	97184.3	10675.3	1072.1	79.2
388	390151.2	96463.5	10625.3	1069.5	88.6
389	381411.6	95735.3	10567.8	1066.9	97.7
390	372727.0	94999.4	10515.7	1064.2	107.0
391	364104.1	94255.9	10457.6	1061.4	116.2
392	355544.6	93505.2	10398.0	1058.6	125.1
393	347046.8	92747.0	10339.6	1055.8	134.1
394	338618.8	91981.9	10274.4	1052.9	142.9
395	330254.4	91209.5	10214.1	1049.9	151.8
396	321960.1	90430.1	10148.2	1046.9	160.7
397	313737.6	89643.9	10080.6	1043.9	169.2
398	305584.9	88850.9	10014.7	1040.8	177.9
399	297507.4	88051.1	9944.0	1037.7	186.5
400	289506.3	87245.0	9872.0	1034.5	194.7
401	281580.1	86432.2	9801.3	1031.3	203.2
402	273736.2	85613.4	9724.1	1028.0	211.3
403	265968.9	84788.2	9651.5	1024.7	219.5
404	258284.2	83956.9	9573.7	1021.3	227.7
405	250683.4	83119.7	9494.7	1017.9	235.5
406	242309.1	82276.2	10125.5	1015.0	243.6
407	233872.2	81425.6	10172.7	1013.2	251.8
408	225543.5	80568.2	10078.5	1011.3	259.7
409	217318.0	79703.6	9988.2	1009.4	268.0
410	209205.5	78832.7	9889.5	1007.4	275.5
411	201203.8	77954.9	9792.6	1005.4	283.6
412	193314.7	77070.7	9693.8	1003.3	291.2
413	185539.7	76180.1	9593.6	1001.2	298.9
414	177881.0	75283.1	9491.5	999.0	306.5
415	170341.3	74379.9	9386.8	996.8	314.1
416	162920.3	73470.8	9282.1	994.5	321.3
417	155620.4	72555.7	9175.4	992.2	328.6
418	148442.9	71634.8	9067.2	989.9	335.9
419	141389.4	70708.1	8957.5	987.4	343.1
420	134462.2	69776.0	8845.7	985.0	349.9
421	127663.0	68838.4	8732.3	982.5	356.9
422	120990.5	67895.3	8619.8	979.9	364.0

423	114447.3	66947.1	8504.7	977.3	370.5
424	108037.5	65993.9	8386.2	974.7	377.2
425	101760.7	65035.9	8267.7	971.9	383.5
426	95615.9	64072.9	8149.8	969.2	390.2
427	89606.3	63105.2	8029.2	966.4	396.5
428	83733.3	62133.2	7906.9	963.5	402.5
429	77997.7	61156.6	7784.4	960.8	408.8
430	72402.2	60175.9	7659.6	958.0	414.5
431	66944.9	59190.7	7536.2	955.3	420.6
432	61628.4	58201.8	7410.4	952.4	426.0
433	56453.6	57209.0	7283.6	949.6	431.6
434	51421.2	56212.2	7156.1	946.6	437.2
435	46533.3	55212.2	7026.4	943.6	442.3
436	41788.9	54208.5	6897.5	940.6	447.7
437	37190.6	53201.8	6766.1	937.5	452.5
438	32736.7	52191.8	6635.9	934.4	457.7
439	28430.4	51179.0	6502.8	931.2	462.5
440	24272.5	50163.4	6368.9	928.0	467.1
441	20261.9	49145.3	6235.5	924.7	471.6
442	16400.1	48124.8	6100.7	921.4	475.9
443	12687.7	47102.0	5965.2	918.0	480.2
444	9125.2	46077.1	5829.0	914.5	484.4
445	5713.7	45050.2	5691.7	911.0	488.4
446	2452.2	44021.8	5554.9	907.5	492.1
447	-658.3	42991.8	5417.1	903.9	495.7
448	-3617.1	41960.3	5278.5	900.2	499.4
449	-6650.7	40927.5	5328.1	896.3	503.1
450	-9532.7	39893.6	5184.1	890.9	507.3
451	-12250.1	38858.5	5029.2	885.6	511.7
452	-14802.2	37822.6	4873.3	880.1	515.7
453	-17189.8	36786.1	4717.9	874.6	519.6
454	-19411.9	35749.0	4561.4	869.0	523.5
455	-21468.6	34711.6	4404.7	863.4	527.2
456	-23359.8	33673.8	4247.7	857.7	530.8
457	-25086.9	32636.1	4091.7	851.9	534.2
458	-26648.8	31598.5	3934.3	846.1	537.6
459	-28046.0	30561.2	3777.3	840.3	540.6
460	-29278.8	29524.4	3620.2	834.4	543.7
461	-30347.5	28488.1	3463.0	828.4	546.7
462	-31252.7	27452.8	3306.2	822.3	549.3
463	-31989.2	26417.9	3155.5	819.7	550.5
464	-32558.7	25382.9	3008.6	817.9	551.6
465	-32965.4	24348.5	2864.9	816.0	552.1
466	-33208.5	23314.8	2720.3	814.0	552.6
467	-33290.2	22282.2	2577.3	812.0	552.7
468	-33208.6	21250.5	2432.4	809.9	553.0
469	-32966.8	20220.3	2289.9	807.8	552.7
470	-32564.3	19191.7	2146.8	805.6	552.4
471	-32002.2	18164.9	2004.3	803.4	551.9
472	-31282.1	17140.4	1862.9	801.1	551.1
473	-30403.1	16118.0	1720.5	798.8	550.3
474	-29367.8	15098.1	1580.1	796.4	549.2
475	-28178.5	14081.2	1441.3	793.9	547.6
476	-25517.3	13067.2	193.5	791.4	546.2
477	-21709.7	12095.3	-868.8	760.3	522.5
478	-18310.6	11168.6	-628.8	727.2	496.9
479	-15284.6	10288.0	-418.9	694.0	470.5
480	-12608.9	9454.2	-228.0	660.7	443.4
481	-10260.7	8667.9	-56.9	627.1	415.6
482	-8605.7	7930.5	413.7	590.6	388.4
483	-7698.5	7220.6	966.7	565.8	375.5
484	-6821.8	6534.6	924.8	544.2	364.4
485	-5991.3	5872.9	895.8	522.4	352.9
486	-5206.6	5236.0	866.4	500.5	341.1
487	-4467.3	4624.4	836.2	478.4	328.9
488	-3772.6	4038.4	805.1	456.3	316.3
489	-3121.8	3478.4	773.1	434.0	303.5
490	-2514.2	2944.9	740.4	411.6	290.3
491	-1949.5	2438.3	707.0	389.1	276.6
492	-1426.9	1959.0	672.7	366.4	262.6
493	-871.1	1507.6	574.5	343.6	248.4

494	-438.1	1112.3	543.5	299.5	218.2
495	-162.4	775.7	537.4	253.9	186.5
496	-9.8	498.6	502.0	208.2	154.1
497	51.0	281.6	440.1	162.2	121.0
498	51.4	125.7	351.2	116.1	87.3
499	23.5	31.6	234.8	69.8	52.9
500	0.0	0.0	90.4	23.3	17.8
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Σ				1140686.1	-674369.8

VERIFICA STABILITA' DEI PENDII

Sezione F-F - Condizione Sismica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
Prodotto dei coefficienti sismici :-0.116
Coefficiente sismico verticale : 0.058
Coefficiente riduzione attrito : 1.000
Coefficiente riduzione coesione : 1.000
Coeff. amplific. carichi esercizio : 1.000
Coeff. carichi esercizio per sisma : 1.000
Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
Pendio	1	215.700	186.740
Pendio	2	218.770	185.120
Pendio	3	229.220	190.050
Pendio	4	239.620	194.190
Pendio	5	254.400	196.540
Pendio	6	259.440	196.960
Pendio	7	264.370	196.480
Pendio	8	269.360	196.480
Pendio	9	280.110	195.330
Pendio	10	284.980	195.030
Pendio	11	289.490	194.310
Pendio	12	299.460	189.330
Pendio	13	309.800	183.680
Pendio	14	329.380	173.160
Pendio	15	329.740	172.500
Pendio	16	333.710	172.500
Pendio	17	341.040	171.720
Pendio	18	349.690	167.150
Pendio	19	359.670	163.490
Pendio	20	362.250	164.090
Pendio	21	376.070	164.090
Pendio	22	387.840	163.250
Pendio	23	400.580	162.830
Pendio	24	408.750	162.710
Pendio	25	410.560	161.330
Pendio	26	413.800	160.370
Pendio	27	417.050	157.840
Pendio	28	444.500	149.670
Pendio	29	459.770	144.560
Pendio	30	472.320	140.600
Pendio	31	495.400	134.590
Pendio	32	499.240	133.990
Pendio	33	502.000	133.030
Pendio	34	507.710	130.440
Pendio	35	510.960	129.300
Pendio	36	514.860	127.800
Pendio	37	518.050	127.320
Pendio	38	524.480	125.220
Pendio	39	527.720	124.490
Pendio	40	531.630	122.750
Pendio	41	541.540	118.730
Pendio	42	551.330	116.680
Pendio	43	566.180	113.200
Pendio	44	590.150	107.610
2	1	220.210	185.799
2	2	220.210	184.710
2	3	229.570	189.040
2	4	239.430	192.950

2	5	244.530	194.000
2	6	254.560	195.350
2	7	259.560	195.760
2	8	264.490	195.720
2	9	274.760	194.950
2	10	279.620	194.310
2	11	284.550	194.100
2	12	289.480	193.190
2	13	294.380	191.030
2	14	304.650	185.150
2	15	314.610	180.020
2	16	319.370	177.280
2	17	324.370	174.750
2	18	327.070	173.230
2	19	327.070	174.401
3	1	221.200	185.168
3	2	221.200	184.170
3	3	234.380	179.320
3	4	239.420	177.700
3	5	244.680	177.380
3	6	249.580	177.070
3	7	260.380	174.910
3	8	264.430	173.650
3	9	269.330	173.150
3	10	279.810	173.960
3	11	299.560	174.010
3	12	304.780	173.960
3	13	309.460	173.650
3	14	314.590	173.600
3	15	319.490	173.240
3	16	324.530	172.660
3	17	326.560	172.750
3	18	326.560	173.517
4	1	216.740	186.191
4	2	216.740	184.540
4	3	224.490	182.050
4	4	229.310	179.940
4	5	239.290	176.740
4	6	244.660	176.300
4	7	249.620	176.320
4	8	254.520	174.970
4	9	264.300	172.830
4	10	269.350	172.070
4	11	274.630	172.540
4	12	279.880	172.920
4	13	294.180	172.890
4	14	299.340	172.980
4	15	304.660	172.740
4	16	309.530	172.480
4	17	319.770	172.510
4	18	324.530	171.720
4	19	329.260	172.070
4	20	329.260	173.224
5	1	325.540	171.795
5	2	325.540	171.150
5	3	330.540	167.130
5	4	349.010	167.130
5	5	349.010	167.509
6	1	217.660	184.244
6	2	217.660	165.480
6	3	244.440	164.050
6	4	249.590	164.100
6	5	254.390	162.620
6	6	259.660	161.640
6	7	264.460	161.300
6	8	269.500	160.440
6	9	279.740	161.180
6	10	295.250	161.180
6	11	299.310	161.530
6	12	304.570	161.130
6	13	319.510	160.840

6	14	324.430	160.100
6	15	329.640	160.610
6	16	333.760	160.500
6	17	340.340	159.700
6	18	342.340	159.070
6	19	344.970	157.410
6	20	349.150	155.230
6	21	349.935	154.821
6	22	349.935	167.060
7	1	349.935	154.821
7	2	349.935	136.792
7	3	350.665	136.792
7	4	350.665	166.792
8	1	350.665	166.792
8	2	350.665	154.632
8	3	355.100	152.890
8	4	359.330	151.570
8	5	362.690	151.899
8	6	362.690	164.090
9	1	362.690	151.899
9	2	362.690	134.090
9	3	363.990	134.090
9	4	363.990	164.090
10	1	363.990	164.090
10	2	363.990	151.956
10	3	364.830	152.030
10	4	365.630	152.024
10	5	365.630	164.090
11	1	365.630	152.024
11	2	365.630	142.090
11	3	366.250	142.090
11	4	366.250	164.090
12	1	366.250	164.090
12	2	366.250	152.021
12	3	374.780	151.970
12	4	394.580	150.940
12	5	400.820	151.000
12	6	404.540	150.940
12	7	407.910	150.710
12	8	410.490	149.170
12	9	411.460	148.880
12	10	413.630	147.400
12	11	416.840	145.390
12	12	423.880	143.160
12	13	429.430	141.900
12	14	435.830	139.730
12	15	436.690	139.670
12	16	442.470	137.730
12	17	453.000	133.890
12	18	456.090	133.210
12	19	459.410	131.950
12	20	462.500	131.260
12	21	474.510	127.600
12	22	476.970	127.250
12	23	489.790	123.650
12	24	495.230	122.510
12	25	507.470	117.760
12	26	518.340	114.610
12	27	527.900	111.460
12	28	531.730	109.750
12	29	536.650	107.740
12	30	541.400	106.600
12	31	546.210	105.680
12	32	551.650	104.080
12	33	551.650	116.605

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPEERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
6	Fila 2	2500.0	18.30	0.00	1.00
7	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
8	Fila 4	2500.0	18.30	0.00	1.00
9	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
10	Fila 3	2500.0	18.30	0.00	1.00
11	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
12	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	366.72	285.36	128.86
2	395.03	323.33	172.21
3	379.83	327.09	172.28
4	394.04	310.78	159.92
5	369.42	294.04	138.16
6	398.41	333.55	182.96
7	407.15	375.90	225.21
8	383.12	314.73	161.14
9	382.94	291.06	139.61
10	384.68	320.98	169.53
11	415.12	384.57	234.44
12	419.46	410.55	262.69

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y

CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des

RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	366.72	285.36	128.86	1.448	1
1	366.72	285.36	128.86	1.484	2
2	395.03	323.33	172.21	1.373	1
2	395.03	323.33	172.21	1.388	2
3	379.83	327.09	172.28	1.295	1
3	379.83	327.09	172.28	1.310	2
4	394.04	310.78	159.92	1.525	1
4	394.04	310.78	159.92	1.548	2
5	369.42	294.04	138.16	1.401	1
5	369.42	294.04	138.16	1.430	2
6	398.41	333.55	182.96	1.414	1
6	398.41	333.55	182.96	1.432	2
7	407.15	375.90	225.21	1.370	1
7	407.15	375.90	225.21	1.387	2
8	383.12	314.73	161.14	1.384	1
8	383.12	314.73	161.14	1.404	2

9	382.94	291.06	139.61	1.434	1
9	382.94	291.06	139.61	1.452	2
10	384.68	320.98	169.53	1.353	1
10	384.68	320.98	169.53	1.368	2
11	415.12	384.57	234.44	1.454	1
11	415.12	384.57	234.44	1.476	2
12	419.46	410.55	262.69	1.417	1
12	419.46	410.55	262.69	1.438	2

CERCHIO CRITICO N° 3

Larghezza del concio.....=0.297

Situazione di carico numero 1

Coefficiente di sicurezza F =1.295

Coefficiente di forma =0.11733

Coefficiente F/Fo =1.06284

Numero iterazioni = 1

Precisione =0.00682

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-40.64	0.391	0.120	19.6	76.2	-8.4
2	-40.51	0.391	0.120	19.6	228.1	-25.0
3	-40.38	0.390	0.120	19.6	379.3	-41.6
4	-40.25	0.389	0.120	19.6	529.8	-58.1
5	-40.12	0.388	0.008	19.6	669.5	-73.4
6	-39.99	0.388	0.008	19.6	775.7	-85.1
7	-39.86	0.387	0.008	19.6	878.0	-96.3
8	-39.73	0.386	0.008	19.6	964.4	-105.7
9	-39.60	0.386	0.008	19.6	1050.2	-115.1
10	-39.48	0.385	0.008	19.6	1135.6	-124.5
11	-39.35	0.384	0.008	19.6	1220.6	-133.8
12	-39.22	0.383	0.008	19.6	1305.1	-143.1
13	-39.09	0.383	0.008	19.6	1389.2	-152.3
14	-38.96	0.382	0.008	19.6	1472.8	-161.5
15	-38.84	0.381	0.008	19.6	1555.9	-170.6
16	-38.71	0.381	0.008	19.6	1638.6	-179.7
17	-38.59	0.380	0.008	19.6	1720.9	-188.7
18	-38.46	0.379	0.008	19.6	1802.8	-197.7
19	-38.33	0.379	0.008	19.6	1884.2	-206.6
20	-38.21	0.378	0.008	19.6	1965.1	-215.5
21	-38.08	0.377	0.008	19.6	2045.7	-224.3
22	-37.96	0.377	0.008	19.6	2125.8	-233.1
23	-37.83	0.376	0.008	19.6	2205.5	-241.8
24	-37.70	0.375	0.008	19.6	2284.7	-250.5
25	-37.58	0.375	0.008	19.6	2363.6	-259.1
26	-37.45	0.374	0.008	19.6	2445.2	-268.1
27	-37.33	0.374	0.008	19.6	2526.3	-277.0
28	-37.21	0.373	0.008	19.6	2607.1	-285.8
29	-37.08	0.372	0.008	19.6	2687.4	-294.7
30	-36.96	0.372	0.008	19.6	2767.4	-303.4
31	-36.84	0.371	0.008	19.6	2846.9	-312.1
32	-36.71	0.371	0.008	19.6	2926.0	-320.8
33	-36.59	0.370	0.008	19.6	3004.7	-329.4
34	-36.47	0.369	0.008	19.6	3083.0	-338.0
35	-36.34	0.369	0.008	19.6	3160.9	-346.6
36	-36.22	0.368	0.008	19.6	3238.4	-355.1
37	-36.10	0.368	0.008	19.6	3315.5	-363.5
38	-35.98	0.367	0.008	19.6	3392.2	-371.9
39	-35.86	0.367	0.008	19.6	3468.5	-380.3
40	-35.73	0.366	0.008	19.6	3544.4	-388.6
41	-35.61	0.365	0.008	19.6	3619.9	-396.9
42	-35.49	0.365	0.008	19.6	3691.9	-404.8
43	-35.37	0.364	0.008	19.6	3761.6	-412.4
44	-35.25	0.364	0.008	19.6	3839.0	-420.9
45	-35.13	0.363	0.008	19.6	3916.0	-429.4
46	-35.01	0.363	0.008	19.6	3992.7	-437.8
47	-34.89	0.362	0.008	19.6	4068.9	-446.1
48	-34.77	0.362	0.008	19.6	4144.8	-454.4

49	-34.65	0.361	0.008	19.6	4220.3	-462.7
50	-34.53	0.361	0.008	19.6	4295.5	-471.0
51	-34.41	0.360	0.008	19.6	4370.3	-479.2
52	-34.29	0.360	0.008	19.6	4444.6	-487.3
53	-34.17	0.359	0.008	19.6	4518.7	-495.4
54	-34.05	0.359	0.008	19.6	4592.3	-503.5
55	-33.93	0.358	0.008	19.6	4665.6	-511.5
56	-33.81	0.358	0.008	19.6	4738.5	-519.5
57	-33.69	0.357	0.008	19.6	4811.1	-527.5
58	-33.57	0.357	0.008	19.6	4883.6	-535.4
59	-33.45	0.356	0.008	19.6	4963.4	-544.2
60	-33.33	0.356	0.008	19.6	5032.4	-551.8
61	-33.22	0.355	0.008	19.6	5094.1	-558.5
62	-33.10	0.355	0.008	19.6	5155.4	-565.2
63	-32.98	0.354	0.008	19.6	5216.4	-571.9
64	-32.86	0.354	0.008	19.6	5277.0	-578.6
65	-32.75	0.353	0.008	19.6	5337.2	-585.2
66	-32.63	0.353	0.008	19.6	5397.1	-591.7
67	-32.51	0.352	0.008	19.6	5456.6	-598.3
68	-32.39	0.352	0.008	19.6	5515.8	-604.8
69	-32.28	0.351	0.008	19.6	5574.7	-611.2
70	-32.16	0.351	0.008	19.6	5633.2	-617.6
71	-32.04	0.350	0.008	19.6	5691.4	-624.0
72	-31.93	0.350	0.008	19.6	5749.2	-630.3
73	-31.81	0.350	0.008	19.6	5806.7	-636.6
74	-31.69	0.349	0.008	19.6	5863.8	-642.9
75	-31.58	0.349	0.008	19.6	5901.9	-647.1
76	-31.46	0.348	0.008	19.6	5912.4	-648.2
77	-31.35	0.348	0.008	19.6	5922.6	-649.4
78	-31.23	0.347	0.008	19.6	5932.5	-650.4
79	-31.12	0.347	0.008	19.6	5942.0	-651.5
80	-31.00	0.347	0.008	19.6	5951.2	-652.5
81	-30.89	0.346	0.008	19.6	5960.0	-653.5
82	-30.77	0.346	0.008	19.6	5968.5	-654.4
83	-30.66	0.345	0.008	19.6	5976.7	-655.3
84	-30.54	0.345	0.008	19.6	5984.6	-656.2
85	-30.43	0.345	0.008	19.6	5992.1	-657.0
86	-30.31	0.344	0.008	19.6	5999.3	-657.8
87	-30.20	0.344	0.008	19.6	6006.2	-658.5
88	-30.08	0.343	0.008	19.6	6012.8	-659.2
89	-29.97	0.343	0.008	19.6	6019.0	-659.9
90	-29.85	0.343	0.008	19.6	6024.9	-660.6
91	-29.74	0.342	0.008	19.6	6030.5	-661.2
92	-29.63	0.342	0.008	19.6	6042.8	-662.5
93	-29.51	0.341	0.008	19.6	6055.2	-663.9
94	-29.40	0.341	0.008	19.6	6067.2	-665.2
95	-29.29	0.341	0.008	19.6	6078.9	-666.5
96	-29.17	0.340	0.008	19.6	6090.3	-667.7
97	-29.06	0.340	0.008	19.6	6101.3	-669.0
98	-28.95	0.339	0.008	19.6	6112.1	-670.1
99	-28.83	0.339	0.008	19.6	6122.5	-671.3
100	-28.72	0.339	0.008	19.6	6132.7	-672.4
101	-28.61	0.338	0.008	19.6	6142.5	-673.5
102	-28.49	0.338	0.008	19.6	6152.0	-674.5
103	-28.39	0.338	0.008	19.6	6161.2	-675.5
104	-28.27	0.337	0.008	19.6	6170.1	-676.5
105	-28.16	0.337	0.008	19.6	6178.7	-677.4
106	-28.05	0.337	0.008	19.6	6187.0	-678.3
107	-27.93	0.336	0.008	19.6	6194.9	-679.2
108	-27.82	0.336	0.008	19.6	6202.6	-680.1
109	-27.71	0.336	0.008	19.6	6202.9	-680.1
110	-27.60	0.335	0.008	19.6	6201.6	-680.0
111	-27.49	0.335	0.008	19.6	6200.1	-679.8
112	-27.38	0.335	0.008	19.6	6198.2	-679.6
113	-27.27	0.334	0.000	11.3	6204.6	-680.3
114	-27.16	0.334	0.000	11.3	6230.4	-683.1
115	-27.04	0.334	0.000	11.3	6255.8	-685.9
116	-26.94	0.333	0.000	11.3	6280.8	-688.6
117	-26.82	0.333	0.000	11.3	6305.3	-691.3
118	-26.71	0.333	0.000	11.3	6329.3	-694.0
119	-26.60	0.332	0.000	11.3	6353.0	-696.6

120	-26.49	0.332	0.000	11.3	6376.2	-699.1
121	-26.38	0.332	0.000	13.7	6399.1	-701.6
122	-26.27	0.331	0.000	13.7	6421.4	-704.1
123	-26.16	0.331	0.000	13.7	6443.4	-706.5
124	-26.05	0.331	0.000	13.7	6464.9	-708.8
125	-25.94	0.330	0.000	13.7	6486.0	-711.1
126	-25.83	0.330	0.000	13.7	6505.5	-713.3
127	-25.72	0.330	0.000	13.7	6519.5	-714.8
128	-25.61	0.329	0.000	13.7	6533.0	-716.3
129	-25.50	0.329	0.000	13.7	6546.0	-717.7
130	-25.39	0.329	0.000	13.7	6558.7	-719.1
131	-25.28	0.329	0.000	13.7	6570.9	-720.4
132	-25.18	0.328	0.000	13.7	6582.7	-721.7
133	-25.07	0.328	0.000	13.7	6594.1	-723.0
134	-24.96	0.328	0.000	13.7	6605.0	-724.2
135	-24.85	0.327	0.000	13.7	6615.6	-725.3
136	-24.74	0.327	0.000	13.7	6625.7	-726.5
137	-24.63	0.327	0.000	13.7	6635.5	-727.5
138	-24.52	0.327	0.000	13.7	6644.8	-728.5
139	-24.41	0.326	0.000	13.7	6653.8	-729.5
140	-24.30	0.326	0.000	13.7	6662.3	-730.5
141	-24.20	0.326	0.000	13.7	6670.4	-731.3
142	-24.09	0.325	0.000	13.7	6678.7	-732.3
143	-23.98	0.325	0.000	13.7	6689.3	-733.4
144	-23.87	0.325	0.000	13.7	6701.0	-734.7
145	-23.76	0.325	0.000	13.7	6712.3	-735.9
146	-23.66	0.324	0.000	13.7	6723.2	-737.1
147	-23.55	0.324	0.000	13.7	6733.7	-738.3
148	-23.44	0.324	0.000	13.7	6743.8	-739.4
149	-23.33	0.324	0.000	13.7	6753.5	-740.5
150	-23.23	0.323	0.000	13.7	6762.8	-741.5
151	-23.12	0.323	0.000	13.7	6771.7	-742.5
152	-23.01	0.323	0.000	13.7	6780.3	-743.4
153	-22.90	0.322	0.000	13.7	6788.4	-744.3
154	-22.80	0.322	0.000	13.7	6796.2	-745.1
155	-22.69	0.322	0.000	13.7	6803.5	-745.9
156	-22.58	0.322	0.000	13.7	6810.5	-746.7
157	-22.48	0.321	0.000	13.7	6817.1	-747.4
158	-22.37	0.321	0.000	13.7	6823.3	-748.1
159	-22.26	0.321	0.000	13.7	6829.1	-748.7
160	-22.16	0.321	0.000	13.7	6834.1	-749.3
161	-22.05	0.320	0.000	13.7	6838.9	-749.8
162	-21.94	0.320	0.000	13.7	6843.4	-750.3
163	-21.83	0.320	0.000	13.7	6847.5	-750.8
164	-21.73	0.320	0.000	13.7	6851.2	-751.2
165	-21.62	0.320	0.000	13.7	6854.5	-751.5
166	-21.51	0.319	0.000	13.7	6857.5	-751.9
167	-21.41	0.319	0.000	13.7	6860.0	-752.1
168	-21.30	0.319	0.000	13.7	6862.2	-752.4
169	-21.20	0.319	0.000	13.7	6864.0	-752.6
170	-21.09	0.318	0.000	13.7	6865.5	-752.7
171	-20.98	0.318	0.000	13.7	6866.5	-752.9
172	-20.88	0.318	0.000	13.7	6867.2	-752.9
173	-20.77	0.318	0.000	13.7	6867.5	-753.0
174	-20.67	0.317	0.000	13.7	6867.4	-753.0
175	-20.57	0.317	0.000	13.7	6867.0	-752.9
176	-20.46	0.317	0.000	13.7	6861.9	-752.3
177	-20.35	0.317	0.000	13.7	6854.5	-751.5
178	-20.25	0.317	0.000	13.7	6846.7	-750.7
179	-20.14	0.316	0.000	13.7	6838.6	-749.8
180	-20.04	0.316	0.000	13.7	6830.0	-748.8
181	-19.93	0.316	0.000	13.7	6821.1	-747.9
182	-19.83	0.316	0.000	13.7	6811.9	-746.9
183	-19.72	0.316	0.000	13.7	6802.2	-745.8
184	-19.62	0.315	0.000	13.7	6792.2	-744.7
185	-19.51	0.315	0.000	13.7	6781.9	-743.6
186	-19.41	0.315	0.000	13.7	6771.1	-742.4
187	-19.30	0.315	0.000	13.7	6760.0	-741.2
188	-19.20	0.315	0.000	13.7	6748.6	-739.9
189	-19.09	0.314	0.000	13.7	6736.7	-738.6
190	-18.99	0.314	0.000	13.7	6724.5	-737.3

191	-18.88	0.314	0.000	13.7	6712.0	-735.9
192	-18.78	0.314	0.000	13.7	6699.1	-734.5
193	-18.67	0.314	0.000	13.7	6693.1	-733.8
194	-18.57	0.313	0.000	13.7	6691.6	-733.7
195	-18.47	0.313	0.000	13.7	6689.7	-733.5
196	-18.37	0.313	0.000	13.7	6687.5	-733.2
197	-18.26	0.313	0.000	13.7	6684.9	-732.9
198	-18.16	0.313	0.000	13.7	6682.0	-732.6
199	-18.05	0.312	0.000	13.7	6678.7	-732.3
200	-17.95	0.312	0.000	13.7	6798.4	-745.4
201	-17.84	0.312	0.000	13.7	6760.4	-741.2
202	-17.74	0.312	0.000	13.7	6722.0	-737.0
203	-17.64	0.312	0.000	13.7	6683.2	-732.8
204	-17.53	0.312	0.000	13.7	6644.2	-728.5
205	-17.43	0.311	0.000	13.7	6604.7	-724.1
206	-17.33	0.311	0.000	13.7	6564.9	-719.8
207	-17.22	0.311	0.000	13.7	6524.8	-715.4
208	-17.12	0.311	0.000	13.7	6484.3	-710.9
209	-17.02	0.311	0.000	13.7	6413.1	-703.1
210	-16.91	0.310	0.000	13.7	6142.0	-673.4
211	-16.81	0.310	0.000	13.7	6169.7	-676.5
212	-16.70	0.310	0.000	13.7	6223.2	-682.3
213	-16.60	0.310	0.000	13.7	6276.2	-688.1
214	-16.50	0.310	0.000	13.7	6328.9	-693.9
215	-16.40	0.310	0.000	13.7	6381.3	-699.7
216	-16.29	0.309	0.000	13.7	6433.3	-705.4
217	-16.19	0.309	0.000	13.7	6485.0	-711.0
218	-16.09	0.309	0.000	13.7	6536.3	-716.6
219	-15.99	0.309	0.000	13.7	6587.3	-722.2
220	-15.88	0.309	0.000	13.7	6637.9	-727.8
221	-15.78	0.309	0.000	13.7	6688.2	-733.3
222	-15.68	0.309	0.000	13.7	6738.2	-738.8
223	-15.57	0.308	0.000	13.7	6787.8	-744.2
224	-15.47	0.308	0.000	13.7	6826.6	-748.5
225	-15.37	0.308	0.000	13.7	6856.6	-751.8
226	-15.27	0.308	0.000	13.7	6886.3	-755.0
227	-15.16	0.308	0.000	13.7	6915.7	-758.2
228	-15.06	0.308	0.000	13.7	6944.7	-761.4
229	-14.96	0.307	0.000	13.7	6973.4	-764.6
230	-14.86	0.307	0.000	13.7	7001.8	-767.7
231	-14.76	0.307	0.000	13.7	7029.8	-770.8
232	-14.65	0.307	0.000	13.7	7057.5	-773.8
233	-14.55	0.307	0.000	13.7	7084.8	-776.8
234	-14.45	0.307	0.000	13.7	7111.8	-779.7
235	-14.35	0.307	0.000	13.7	7138.4	-782.7
236	-14.25	0.306	0.000	13.7	7164.8	-785.6
237	-14.14	0.306	0.000	13.7	7190.8	-788.4
238	-14.04	0.306	0.176	14.5	7216.4	-791.2
239	-13.94	0.306	0.176	14.5	7241.7	-794.0
240	-13.84	0.306	0.176	14.5	7266.7	-796.7
241	-13.73	0.306	0.176	14.5	7291.4	-799.4
242	-13.63	0.306	0.176	14.5	7315.7	-802.1
243	-13.53	0.306	0.176	14.5	7339.7	-804.7
244	-13.43	0.305	0.176	14.5	7363.3	-807.3
245	-13.33	0.305	0.176	14.5	7386.6	-809.9
246	-13.23	0.305	0.176	14.5	7409.6	-812.4
247	-13.13	0.305	0.176	14.5	7432.3	-814.9
248	-13.03	0.305	0.176	14.5	7454.6	-817.3
249	-12.92	0.305	0.176	14.5	7410.7	-812.5
250	-12.82	0.305	0.176	14.5	7357.6	-806.7
251	-12.72	0.305	0.176	14.5	7304.1	-800.8
252	-12.62	0.304	0.176	14.5	7250.2	-794.9
253	-12.52	0.304	0.176	14.5	7196.0	-789.0
254	-12.42	0.304	0.000	13.7	7141.6	-783.0
255	-12.31	0.304	0.000	13.7	7086.7	-777.0
256	-12.21	0.304	0.000	13.7	7031.6	-770.9
257	-12.12	0.304	0.000	13.7	6976.1	-764.9
258	-12.01	0.304	0.000	13.7	6920.3	-758.7
259	-11.91	0.304	0.000	13.7	6864.1	-752.6
260	-11.81	0.303	0.000	13.7	6807.7	-746.4
261	-11.71	0.303	0.000	13.7	6750.9	-740.2

262	-11.61	0.303	0.000	13.7	6693.8	-733.9
263	-11.51	0.303	0.000	13.7	6636.4	-727.6
264	-11.41	0.303	0.000	13.7	6578.6	-721.3
265	-11.31	0.303	0.000	13.7	6520.5	-714.9
266	-11.21	0.303	0.000	13.7	6462.1	-708.5
267	-11.10	0.303	0.000	13.7	6403.4	-702.1
268	-11.01	0.303	0.000	13.7	6344.3	-695.6
269	-10.90	0.303	0.000	13.7	6284.9	-689.1
270	-10.80	0.302	0.000	13.7	6225.2	-682.5
271	-10.70	0.302	0.000	13.7	6165.2	-676.0
272	-10.60	0.302	0.000	13.7	6104.8	-669.3
273	-10.50	0.302	0.000	13.7	6044.2	-662.7
274	-10.40	0.302	0.000	13.7	5983.2	-656.0
275	-10.30	0.302	0.000	13.7	5921.8	-649.3
276	-10.20	0.302	0.000	13.7	5860.2	-642.5
277	-10.10	0.302	0.000	13.7	5798.2	-635.7
278	-10.00	0.302	0.000	13.7	5757.8	-631.3
279	-9.90	0.302	18.300	0.0	7531.4	-825.7
280	-9.80	0.301	18.300	0.0	7486.3	-820.8
281	-9.70	0.301	0.000	13.7	5655.0	-620.0
282	-9.60	0.301	0.000	13.7	5620.1	-616.2
283	-9.50	0.301	0.000	13.7	5584.9	-612.3
284	-9.40	0.301	0.000	13.7	5549.4	-608.4
285	-9.30	0.301	0.000	13.7	5513.5	-604.5
286	-9.20	0.301	0.000	13.7	5477.4	-600.5
287	-9.10	0.301	0.000	13.7	5440.9	-596.5
288	-9.00	0.301	0.000	13.7	5404.1	-592.5
289	-8.90	0.301	0.000	13.7	5366.9	-588.4
290	-8.80	0.301	0.000	13.7	5329.5	-584.3
291	-8.70	0.301	0.000	13.7	5291.7	-580.2
292	-8.60	0.300	0.000	13.7	5253.7	-576.0
293	-8.50	0.300	0.000	13.7	5215.3	-571.8
294	-8.40	0.300	0.000	13.7	5176.6	-567.6
295	-8.30	0.300	0.000	13.7	5137.6	-563.3
296	-8.20	0.300	0.000	13.7	5098.2	-559.0
297	-8.10	0.300	0.000	13.7	5058.6	-554.6
298	-8.00	0.300	0.000	13.7	5018.6	-550.2
299	-7.90	0.300	0.000	13.7	4978.3	-545.8
300	-7.80	0.300	0.000	13.7	4937.7	-541.4
301	-7.70	0.300	0.000	13.7	4896.8	-536.9
302	-7.60	0.300	0.000	13.7	4855.6	-532.4
303	-7.50	0.300	0.000	13.7	4814.1	-527.8
304	-7.40	0.300	0.000	13.7	4772.2	-523.2
305	-7.30	0.299	0.000	13.7	4730.0	-518.6
306	-7.20	0.299	0.000	13.7	4687.5	-513.9
307	-7.10	0.299	0.000	13.7	4644.8	-509.3
308	-7.00	0.299	0.000	13.7	4601.6	-504.5
309	-6.90	0.299	0.000	13.7	4558.2	-499.8
310	-6.80	0.299	0.000	13.7	4514.5	-495.0
311	-6.70	0.299	0.000	13.7	4487.9	-492.1
312	-6.60	0.299	0.000	13.7	4549.9	-498.9
313	-6.51	0.299	0.000	13.7	4611.5	-505.6
314	-6.41	0.299	0.000	13.7	4672.8	-512.3
315	-6.31	0.299	0.000	13.7	4733.8	-519.0
316	-6.21	0.299	0.000	13.7	4794.5	-525.7
317	-6.11	0.299	0.000	13.7	4854.9	-532.3
318	-6.01	0.299	0.000	13.7	4915.0	-538.9
319	-5.91	0.299	0.000	13.7	4974.8	-545.4
320	-5.81	0.299	0.000	13.7	5014.5	-549.8
321	-5.71	0.299	0.000	13.7	5032.4	-551.8
322	-5.61	0.298	18.300	0.0	6644.7	-728.5
323	-5.51	0.298	18.300	0.0	6667.4	-731.0
324	-5.41	0.298	18.300	0.0	6689.7	-733.5
325	-5.31	0.298	18.300	0.0	6711.6	-735.9
326	-5.22	0.298	0.000	13.7	5117.2	-561.1
327	-5.11	0.298	0.000	13.7	5133.2	-562.8
328	-5.02	0.298	0.000	13.7	5148.9	-564.5
329	-4.92	0.298	0.000	13.7	5164.3	-566.2
330	-4.82	0.298	0.000	13.7	5179.4	-567.9
331	-4.72	0.298	18.300	0.0	6834.5	-749.3
332	-4.62	0.298	18.300	0.0	6853.6	-751.4

333	-4.52	0.298	0.000	13.7	5222.9	-572.6
334	-4.42	0.298	0.000	13.7	5236.8	-574.2
335	-4.32	0.298	0.000	13.7	5250.3	-575.7
336	-4.22	0.298	0.000	13.7	5263.6	-577.1
337	-4.12	0.298	0.000	13.7	5276.5	-578.5
338	-4.02	0.298	0.000	13.7	5289.2	-579.9
339	-3.93	0.298	0.000	13.7	5301.5	-581.3
340	-3.83	0.298	0.000	13.7	5313.5	-582.6
341	-3.73	0.298	0.000	13.7	5325.2	-583.9
342	-3.63	0.298	0.000	13.7	5336.6	-585.1
343	-3.53	0.298	0.000	13.7	5347.7	-586.3
344	-3.43	0.298	0.000	13.7	5358.5	-587.5
345	-3.33	0.298	0.000	13.7	5369.0	-588.7
346	-3.23	0.298	0.000	13.7	5379.2	-589.8
347	-3.13	0.298	0.000	13.7	5389.0	-590.9
348	-3.04	0.297	0.000	13.7	5398.6	-591.9
349	-2.93	0.297	0.000	13.7	5407.9	-592.9
350	-2.84	0.297	0.000	13.7	5416.8	-593.9
351	-2.74	0.297	0.000	13.7	5425.4	-594.8
352	-2.64	0.297	0.000	13.7	5433.8	-595.8
353	-2.54	0.297	0.000	13.7	5441.8	-596.6
354	-2.44	0.297	0.000	13.7	5449.5	-597.5
355	-2.34	0.297	0.000	13.7	5456.9	-598.3
356	-2.24	0.297	0.000	13.7	5464.0	-599.1
357	-2.14	0.297	0.000	13.7	5470.8	-599.8
358	-2.05	0.297	0.000	13.7	5477.3	-600.5
359	-1.95	0.297	0.000	13.7	5483.5	-601.2
360	-1.85	0.297	0.000	13.7	5489.4	-601.9
361	-1.75	0.297	0.000	13.7	5495.0	-602.5
362	-1.65	0.297	0.000	13.7	5500.2	-603.0
363	-1.55	0.297	0.000	13.7	5505.2	-603.6
364	-1.45	0.297	0.000	13.7	5509.8	-604.1
365	-1.35	0.297	0.000	13.7	5514.2	-604.6
366	-1.26	0.297	0.000	13.7	5518.2	-605.0
367	-1.16	0.297	0.000	13.7	5509.9	-604.1
368	-1.06	0.297	0.000	13.7	5500.6	-603.1
369	-0.96	0.297	0.000	13.7	5491.1	-602.0
370	-0.86	0.297	0.000	13.7	5481.3	-601.0
371	-0.76	0.297	0.000	13.7	5471.1	-599.9
372	-0.66	0.297	0.000	13.7	5460.6	-598.7
373	-0.56	0.297	0.000	13.7	5449.9	-597.5
374	-0.47	0.297	0.000	13.7	5438.8	-596.3
375	-0.36	0.297	0.000	13.7	5427.4	-595.1
376	-0.27	0.297	0.000	13.7	5415.8	-593.8
377	-0.17	0.297	0.000	13.7	5403.8	-592.5
378	-0.07	0.297	0.000	13.7	5391.5	-591.1
379	0.03	0.297	0.000	13.7	5378.9	-589.7
380	0.13	0.297	0.000	13.7	5366.0	-588.3
381	0.23	0.297	0.000	13.7	5352.8	-586.9
382	0.32	0.297	0.000	13.7	5339.3	-585.4
383	0.42	0.297	0.000	13.7	5325.5	-583.9
384	0.52	0.297	0.000	13.7	5311.3	-582.3
385	0.62	0.297	0.000	13.7	5296.9	-580.8
386	0.72	0.297	0.000	13.7	5282.2	-579.1
387	0.82	0.297	0.000	13.7	5267.1	-577.5
388	0.92	0.297	0.000	13.7	5251.8	-575.8
389	1.02	0.297	0.000	13.7	5236.1	-574.1
390	1.12	0.297	0.000	13.7	5220.2	-572.3
391	1.22	0.297	0.000	13.7	5203.9	-570.6
392	1.31	0.297	0.000	13.7	5187.3	-568.7
393	1.41	0.297	0.000	13.7	5170.4	-566.9
394	1.51	0.297	0.000	13.7	5153.3	-565.0
395	1.61	0.297	0.000	13.7	5135.8	-563.1
396	1.71	0.297	0.000	13.7	5118.0	-561.1
397	1.81	0.297	0.000	13.7	5099.9	-559.2
398	1.91	0.297	0.000	13.7	5081.5	-557.1
399	2.01	0.297	0.000	13.7	5062.7	-555.1
400	2.10	0.297	0.000	13.7	5043.7	-553.0
401	2.20	0.297	0.000	13.7	5024.4	-550.9
402	2.30	0.297	0.000	13.7	5004.8	-548.7
403	2.40	0.297	0.000	13.7	4984.8	-546.5

404	2.50	0.297	0.000	13.7	4964.6	-544.3
405	2.60	0.297	0.000	13.7	4944.0	-542.1
406	2.70	0.297	0.000	13.7	4925.4	-540.0
407	2.80	0.297	0.000	13.7	4911.1	-538.5
408	2.89	0.297	0.000	13.7	4896.4	-536.8
409	3.00	0.297	0.000	13.7	4881.4	-535.2
410	3.09	0.297	0.000	13.7	4866.2	-533.5
411	3.19	0.298	0.000	13.7	4850.6	-531.8
412	3.29	0.298	0.000	13.7	4834.7	-530.1
413	3.39	0.298	0.000	13.7	4818.5	-528.3
414	3.49	0.298	0.000	13.7	4802.0	-526.5
415	3.59	0.298	0.000	13.7	4785.2	-524.6
416	3.69	0.298	0.000	13.7	4768.0	-522.8
417	3.79	0.298	0.000	13.7	4750.6	-520.9
418	3.88	0.298	0.000	13.7	4732.9	-518.9
419	3.98	0.298	0.000	13.7	4714.8	-516.9
420	4.08	0.298	0.000	13.7	4696.5	-514.9
421	4.18	0.298	0.000	13.7	4677.8	-512.9
422	4.28	0.298	0.000	13.7	4658.8	-510.8
423	4.38	0.298	0.000	13.7	4639.5	-508.7
424	4.48	0.298	0.000	13.7	4620.0	-506.5
425	4.58	0.298	0.000	13.7	4600.1	-504.4
426	4.68	0.298	0.000	13.7	4579.9	-502.1
427	4.78	0.298	0.000	13.7	4559.3	-499.9
428	4.87	0.298	0.000	13.7	4538.5	-497.6
429	4.98	0.298	0.000	13.7	4517.4	-495.3
430	5.07	0.298	0.000	13.7	4495.9	-492.9
431	5.17	0.298	0.000	13.7	4474.2	-490.6
432	5.27	0.298	0.000	13.7	4452.1	-488.1
433	5.37	0.298	0.000	13.7	4429.8	-485.7
434	5.47	0.298	0.000	13.7	4407.1	-483.2
435	5.57	0.298	0.000	13.7	4384.1	-480.7
436	5.67	0.299	0.000	13.7	4360.8	-478.1
437	5.77	0.299	0.000	13.7	4337.2	-475.5
438	5.87	0.299	0.000	13.7	4313.3	-472.9
439	5.97	0.299	0.000	13.7	4289.0	-470.3
440	6.07	0.299	0.000	13.7	4264.5	-467.6
441	6.17	0.299	0.000	13.7	4239.6	-464.8
442	6.26	0.299	0.000	13.7	4214.5	-462.1
443	6.36	0.299	0.000	13.7	4189.0	-459.3
444	6.46	0.299	0.000	13.7	4163.2	-456.5
445	6.56	0.299	0.000	13.7	4137.1	-453.6
446	6.66	0.299	0.000	13.7	4110.7	-450.7
447	6.76	0.299	0.000	13.7	4084.0	-447.8
448	6.86	0.299	0.000	13.7	4056.9	-444.8
449	6.96	0.299	0.000	13.7	4031.0	-442.0
450	7.06	0.299	0.000	13.7	4006.6	-439.3
451	7.16	0.299	0.000	13.7	3981.9	-436.6
452	7.26	0.299	0.000	13.7	3956.8	-433.8
453	7.36	0.300	0.000	13.7	3931.5	-431.0
454	7.46	0.300	0.000	13.7	3905.8	-428.2
455	7.56	0.300	0.000	13.7	3879.8	-425.4
456	7.66	0.300	0.000	13.7	3853.5	-422.5
457	7.76	0.300	0.000	13.7	3826.9	-419.6
458	7.86	0.300	0.000	13.7	3800.0	-416.6
459	7.96	0.300	0.000	13.7	3772.7	-413.6
460	8.06	0.300	0.000	13.7	3745.2	-410.6
461	8.16	0.300	0.000	13.7	3717.3	-407.6
462	8.26	0.300	0.000	13.7	3689.1	-404.5
463	8.35	0.300	0.000	13.7	3660.6	-401.4
464	8.46	0.300	0.000	13.7	3631.8	-398.2
465	8.56	0.300	0.000	13.7	3602.6	-395.0
466	8.66	0.300	0.000	13.7	3573.2	-391.8
467	8.75	0.301	0.000	13.7	3543.4	-388.5
468	8.86	0.301	0.000	13.7	3513.3	-385.2
469	8.96	0.301	0.000	13.7	3482.9	-381.9
470	9.06	0.301	0.000	13.7	3452.2	-378.5
471	9.16	0.301	0.000	13.7	3421.2	-375.1
472	9.25	0.301	0.000	13.7	3389.8	-371.7
473	9.36	0.301	0.000	13.7	3358.1	-368.2
474	9.46	0.301	0.000	13.7	3326.1	-364.7

475	9.55	0.301	0.000	13.7	3293.8	-361.1
476	9.66	0.301	0.000	13.7	3261.2	-357.6
477	9.76	0.301	0.000	13.7	3103.3	-340.2
478	9.86	0.302	0.000	13.7	2937.3	-322.1
479	9.96	0.302	0.000	13.7	2771.1	-303.8
480	10.06	0.302	0.000	13.7	2604.6	-285.6
481	10.16	0.302	0.000	13.7	2437.7	-267.3
482	10.26	0.302	0.000	13.7	2270.5	-248.9
483	10.36	0.302	0.000	13.7	2173.2	-238.3
484	10.46	0.302	0.000	13.7	2088.1	-228.9
485	10.56	0.302	0.000	13.7	2002.6	-219.6
486	10.66	0.302	0.000	13.7	1916.8	-210.2
487	10.76	0.302	0.000	13.7	1830.7	-200.7
488	10.86	0.302	0.000	13.7	1744.3	-191.2
489	10.96	0.303	0.000	13.7	1657.5	-181.7
490	11.06	0.303	0.000	13.7	1570.5	-172.2
491	11.16	0.303	0.000	13.7	1483.1	-162.6
492	11.26	0.303	0.000	13.7	1395.3	-153.0
493	11.36	0.303	0.000	13.7	1307.3	-143.3
494	11.47	0.303	0.000	13.7	1138.3	-124.8
495	11.57	0.303	0.000	13.7	964.1	-105.7
496	11.67	0.303	0.000	13.7	789.5	-86.6
497	11.77	0.303	0.000	13.7	614.7	-67.4
498	11.87	0.304	0.000	13.7	439.4	-48.2
499	11.97	0.304	0.000	13.7	263.9	-28.9
500	12.07	0.304	0.000	13.7	88.0	-9.7

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	1475.8	5057.6	-386.5	565.4	-73.8
2	2491.1	4778.0	207.6	643.2	-219.9
3	2005.7	4582.9	1812.7	720.2	-364.1
4	1534.1	4471.1	1947.2	796.4	-506.5
5	620.3	4812.1	1605.9	381.9	-637.5
6	70.7	5209.4	1356.0	435.7	-735.7
7	-422.9	5660.5	1402.3	487.3	-829.4
8	-903.9	6156.0	1475.4	530.3	-907.2
9	-1455.4	6695.3	1629.4	572.8	-984.1
10	-2083.6	7277.6	1789.2	614.9	-1059.8
11	-2794.4	7902.4	1954.7	656.5	-1134.6
12	-3593.6	8569.0	2125.5	697.7	-1208.3
13	-4486.8	9276.6	2301.7	738.4	-1281.0
14	-5479.5	10024.5	2483.3	778.7	-1352.6
15	-6577.0	10812.3	2669.8	818.5	-1423.3
16	-7784.7	11639.1	2861.4	857.9	-1493.0
17	-9107.7	12504.4	3057.9	896.9	-1561.8
18	-10551.2	13407.4	3259.5	935.5	-1629.4
19	-12119.4	14347.8	3465.1	973.7	-1696.4
20	-13818.3	15324.6	3676.5	1011.4	-1762.2
21	-15651.6	16337.4	3891.4	1048.8	-1827.2
22	-17624.1	17385.6	4110.9	1085.8	-1891.3
23	-19740.3	18468.6	4334.9	1122.4	-1954.5
24	-22004.8	19585.6	4563.4	1158.5	-2016.6
25	-24421.4	20736.3	4795.3	1194.4	-2078.1
26	-27005.8	21921.4	5046.1	1231.4	-2141.3
27	-29752.6	23140.5	5291.5	1268.0	-2203.7
28	-32666.1	24393.2	5540.9	1304.3	-2265.4
29	-35750.9	25678.4	5795.0	1340.1	-2325.8
30	-39010.0	26996.0	6051.9	1375.7	-2385.8
31	-42447.8	28345.1	6313.3	1410.9	-2444.7
32	-46067.7	29725.4	6578.0	1445.7	-2502.8
33	-49873.5	31136.2	6846.3	1480.2	-2560.1
34	-53868.1	32577.0	7117.7	1514.3	-2616.5
35	-58056.5	34047.2	7393.9	1548.1	-2672.3
36	-62440.5	35546.1	7672.1	1581.5	-2727.0
37	-67023.4	37073.6	7953.4	1614.7	-2781.2
38	-71808.3	38628.7	8237.9	1647.4	-2834.3
39	-76799.8	40211.3	8526.8	1680.0	-2887.1

40	-81999.2	41820.5	8817.2	1712.1	-2938.6
41	-87408.9	43456.0	9110.0	1744.0	-2989.7
42	-93017.5	45115.7	9388.1	1774.0	-3037.1
43	-99187.6	46798.4	10028.1	1802.8	-3082.5
44	-106020.7	48507.3	10778.5	1835.3	-3133.9
45	-113132.2	50241.7	11143.5	1867.3	-3184.3
46	-120523.8	52001.3	11510.0	1899.1	-3234.2
47	-128199.8	53785.4	11881.2	1930.5	-3283.2
48	-136163.8	55593.7	12256.0	1961.7	-3331.4
49	-144419.9	57425.6	12635.1	1992.6	-3379.1
50	-152969.7	59280.6	13015.9	2023.2	-3426.0
51	-161817.2	61158.3	13400.9	2053.6	-3472.2
52	-170966.1	63058.0	13789.8	2083.6	-3517.6
53	-180418.5	64979.6	14181.0	2113.4	-3562.5
54	-190174.9	66922.2	14572.7	2142.8	-3606.4
55	-200242.3	68885.7	14971.7	2172.1	-3650.1
56	-210620.2	70869.4	15370.2	2201.0	-3692.7
57	-221312.6	72872.8	15773.3	2229.6	-3734.7
58	-232321.9	74896.0	16178.7	2258.3	-3776.7
59	-243449.4	76941.2	16391.0	2290.1	-3823.4
60	-252460.4	79004.0	14323.8	2316.9	-3861.8
61	-261610.2	81081.1	14537.1	2340.3	-3894.2
62	-270934.9	83171.7	14787.3	2363.4	-3925.7
63	-280433.2	85275.6	15036.0	2386.3	-3956.9
64	-290108.5	87392.7	15288.1	2409.1	-3987.7
65	-299958.8	89522.3	15538.1	2431.5	-4017.6
66	-309982.5	91664.1	15786.3	2453.8	-4047.1
67	-320181.1	93817.8	16036.0	2475.8	-4076.1
68	-330556.0	95982.9	16287.2	2497.6	-4104.4
69	-341105.2	98159.0	16536.3	2519.2	-4132.2
70	-351826.9	100345.9	16783.4	2540.6	-4159.6
71	-362724.1	102543.0	17033.7	2561.7	-4186.2
72	-373795.2	104750.4	17281.9	2582.8	-4212.8
73	-385037.5	106967.1	17527.7	2603.5	-4238.2
74	-396454.6	109193.2	17776.9	2624.1	-4263.7
75	-396223.6	111421.2	5883.5	2636.2	-4275.0
76	-394405.1	113640.3	4269.2	2636.1	-4265.9
77	-392205.2	115850.7	3890.8	2636.0	-4257.2
78	-389621.0	118051.7	3508.7	2635.6	-4247.5
79	-386659.2	120243.9	3132.5	2635.3	-4238.4
80	-383317.3	122426.4	2753.0	2634.6	-4228.2
81	-379600.8	124599.7	2378.2	2634.0	-4218.5
82	-375505.6	126763.1	1998.5	2633.1	-4208.0
83	-371041.9	128917.1	1628.3	2632.3	-4197.8
84	-366208.3	131061.0	1256.0	2631.2	-4187.0
85	-361003.5	133195.1	881.5	2630.1	-4176.3
86	-355433.1	135319.0	511.9	2628.8	-4165.0
87	-349500.2	137432.6	144.8	2627.4	-4153.7
88	-343205.2	139535.9	-222.8	2625.9	-4142.2
89	-336547.9	141628.8	-591.4	2624.4	-4130.7
90	-329536.4	143711.1	-952.3	2622.6	-4118.7
91	-322166.5	145782.9	-1318.4	2620.8	-4106.7
92	-314488.6	147846.0	-1625.9	2621.8	-4099.0
93	-306466.5	149901.1	-1971.0	2623.0	-4091.8
94	-298100.9	151947.6	-2316.2	2624.0	-4084.0
95	-289387.3	153985.4	-2667.0	2624.9	-4075.9
96	-280337.8	156014.3	-3006.0	2625.6	-4067.6
97	-270945.5	158034.4	-3352.7	2626.3	-4059.3
98	-261221.6	160045.5	-3688.6	2626.9	-4050.8
99	-251157.3	162047.4	-4034.3	2627.3	-4042.0
100	-240760.0	164040.1	-4373.3	2627.6	-4032.9
101	-230033.3	166023.6	-4709.0	2627.9	-4023.9
102	-218978.0	167997.1	-5044.7	2627.9	-4014.1
103	-207594.4	169961.5	-5380.7	2628.0	-4004.9
104	-195883.6	171915.8	-5716.5	2627.8	-3994.8
105	-183855.0	173860.4	-6043.0	2627.6	-3984.8
106	-171504.8	175795.3	-6374.1	2627.3	-3974.9
107	-158838.1	177719.8	-6700.8	2626.8	-3964.1
108	-144858.3	179634.2	-8071.4	2626.3	-3953.7
109	-128673.4	181536.4	-10385.5	2622.7	-3938.6
110	-112118.8	183425.4	-10780.6	2618.5	-3922.2

111	-95190.9	185301.5	-11180.1	2614.2	-3905.9
112	-77904.9	187164.6	-11564.4	2609.8	-3889.5
113	-73920.3	189849.2	1383.3	1537.1	-3878.2
114	-56066.5	192531.9	-7245.2	1541.0	-3879.3
115	-37702.0	195211.8	-7550.4	1544.8	-3879.3
116	-18817.2	197889.4	-7862.0	1548.5	-3880.0
117	579.7	200563.9	-8169.0	1552.1	-3879.6
118	20484.1	203235.1	-8473.6	1555.5	-3879.1
119	40902.6	205903.0	-8782.7	1558.9	-3878.3
120	61831.3	208567.1	-9090.0	1562.2	-3877.1
121	87038.7	210984.0	-14116.9	1878.4	-3875.5
122	108795.9	213396.4	-11515.1	1882.2	-3873.9
123	131015.9	215803.6	-11851.1	1885.9	-3871.6
124	153692.4	218205.7	-12182.7	1889.5	-3869.2
125	176820.7	220602.1	-12511.7	1892.9	-3866.2
126	200416.0	222992.8	-12853.2	1895.9	-3862.8
127	224482.1	225375.0	-13202.3	1897.3	-3855.4
128	249001.9	227749.0	-13538.9	1898.6	-3848.2
129	273960.7	230114.4	-13865.2	1899.7	-3840.4
130	299359.8	232470.9	-14193.0	1900.7	-3832.3
131	325199.9	234818.6	-14521.8	1901.6	-3824.3
132	351474.3	237157.4	-14846.2	1902.4	-3815.9
133	378180.6	239486.6	-15169.5	1903.1	-3807.0
134	405310.7	241806.4	-15487.0	1903.7	-3798.0
135	432874.1	244117.0	-15812.2	1904.3	-3789.1
136	460856.6	246417.4	-16127.4	1904.6	-3779.3
137	489261.8	248708.2	-16445.7	1904.9	-3769.9
138	518075.0	250988.8	-16753.6	1905.1	-3759.8
139	547304.1	253259.0	-17068.0	1905.1	-3749.5
140	576951.0	255518.9	-17384.3	1905.1	-3739.2
141	607000.0	257768.5	-17689.1	1905.0	-3728.7
142	637444.3	260007.6	-17989.0	1905.0	-3718.3
143	667846.2	262236.7	-17956.1	1905.5	-3708.7
144	698272.1	264456.7	-17972.4	1906.5	-3700.4
145	729081.6	266667.2	-18261.5	1907.3	-3691.4
146	760263.0	268867.9	-18542.4	1908.0	-3682.2
147	791826.4	271058.7	-18831.4	1908.6	-3672.8
148	823774.2	273239.6	-19122.6	1909.2	-3663.4
149	856082.6	275410.3	-19396.6	1909.6	-3653.4
150	888770.1	277571.0	-19684.6	1910.0	-3643.9
151	921806.8	279721.2	-19950.8	1910.2	-3633.4
152	955212.6	281860.5	-20232.7	1910.3	-3622.6
153	988983.0	283989.4	-20511.2	1910.4	-3612.3
154	1023101.9	286107.5	-20778.3	1910.3	-3601.4
155	1057575.9	288214.6	-21050.8	1910.2	-3590.3
156	1092394.0	290310.9	-21315.4	1910.0	-3579.3
157	1127553.6	292395.8	-21578.6	1909.6	-3567.7
158	1163057.5	294469.2	-21844.4	1909.2	-3555.9
159	1198897.9	296531.4	-22104.6	1908.6	-3544.1
160	1235073.8	298581.9	-22364.8	1907.9	-3532.0
161	1271570.7	300620.8	-22614.3	1907.2	-3519.8
162	1308396.3	302647.6	-22870.4	1906.3	-3507.0
163	1345542.2	304662.4	-23120.3	1905.4	-3494.3
164	1383012.9	306665.4	-23374.0	1904.4	-3481.7
165	1420796.1	308656.2	-23618.9	1903.2	-3468.6
166	1458867.9	310634.4	-23846.3	1902.0	-3455.0
167	1497278.1	312600.7	-24111.5	1900.7	-3442.2
168	1535961.7	314554.1	-24328.2	1899.3	-3428.1
169	1574957.2	316495.0	-24574.3	1897.8	-3414.6
170	1614245.5	318423.4	-24806.3	1896.3	-3400.8
171	1653814.8	320338.8	-25030.0	1894.6	-3386.5
172	1693684.3	322241.8	-25268.3	1892.9	-3372.8
173	1733821.1	324131.5	-25482.5	1891.0	-3358.1
174	1774245.1	326008.3	-25712.0	1889.1	-3343.6
175	1814945.7	327872.2	-25933.7	1887.2	-3329.3
176	1855902.6	329721.4	-26143.9	1883.9	-3312.0
177	1897147.2	331555.9	-26379.7	1880.0	-3294.3
178	1938629.6	333375.4	-26577.9	1876.1	-3276.2
179	1980354.4	335179.7	-26780.2	1872.0	-3257.9
180	2022328.7	336969.0	-26988.0	1867.9	-3239.8
181	2064539.4	338743.4	-27186.2	1863.8	-3221.5

182	2106973.7	340502.4	-27375.3	1859.4	-3202.8
183	2149633.1	342246.0	-27565.8	1855.1	-3184.0
184	2192538.1	343974.6	-27772.2	1850.7	-3165.7
185	2235647.0	345688.0	-27947.1	1846.2	-3146.9
186	2278959.5	347385.8	-28122.4	1841.5	-3127.7
187	2322489.6	349068.1	-28308.7	1836.9	-3108.6
188	2366231.5	350735.4	-28490.7	1832.2	-3089.9
189	2410172.8	352387.1	-28663.8	1827.3	-3070.6
190	2454296.8	354023.3	-28824.4	1822.4	-3051.2
191	2498615.8	355643.8	-28994.8	1817.4	-3031.7
192	2543128.5	357249.0	-29164.5	1812.4	-3012.5
193	2587812.9	358840.3	-29312.2	1809.2	-2996.0
194	2632683.6	360418.9	-29467.5	1807.3	-2982.0
195	2677738.8	361984.6	-29622.2	1805.3	-2967.4
196	2723005.2	363537.8	-29797.2	1803.2	-2953.3
197	2768427.7	365077.5	-29931.0	1801.0	-2938.1
198	2814063.6	366604.6	-30108.6	1798.7	-2923.8
199	2859877.7	368118.7	-30259.6	1796.4	-2909.0
200	2905719.4	369647.4	-30199.1	1827.2	-2947.5
201	2952122.6	371154.9	-30674.0	1815.5	-2917.1
202	2998651.1	372641.7	-30811.3	1803.8	-2887.4
203	3045275.0	374107.7	-30926.1	1792.0	-2857.4
204	3091986.1	375552.9	-31034.9	1780.1	-2827.4
205	3138796.0	376977.6	-31152.8	1768.2	-2797.7
206	3185689.9	378381.7	-31259.9	1756.2	-2767.7
207	3232657.0	379765.1	-31359.0	1744.2	-2737.7
208	3279714.4	381128.2	-31471.3	1732.1	-2708.0
209	3430606.3	382464.8	-112106.4	1711.8	-2665.8
210	3545004.6	383733.6	-84030.1	1638.2	-2540.8
211	3523791.4	384996.9	21262.4	1644.5	-2540.2
212	3502291.0	386259.7	21534.6	1657.5	-2549.8
213	3480605.0	387522.2	21727.4	1670.5	-2559.6
214	3458668.4	388783.5	21970.8	1683.3	-2568.4
215	3436530.7	390043.8	22175.5	1696.1	-2577.2
216	3414159.0	391302.6	22405.8	1708.7	-2585.6
217	3391579.4	392560.2	22615.4	1721.3	-2594.1
218	3368753.4	393815.5	22855.1	1733.8	-2601.5
219	3345717.2	395068.9	23066.3	1746.1	-2609.3
220	3322444.9	396320.0	23297.8	1758.4	-2616.4
221	3298937.6	397568.4	23528.1	1770.6	-2623.2
222	3275215.9	398814.1	23742.1	1782.7	-2630.0
223	3252025.9	400056.7	23374.6	1794.7	-2636.1
224	3241966.5	401293.9	13171.1	1803.8	-2637.8
225	3231763.0	402524.4	13311.5	1810.6	-2636.4
226	3221381.5	403748.0	13478.1	1817.3	-2634.7
227	3210815.7	404964.3	13649.7	1824.0	-2632.5
228	3200082.5	406173.2	13807.7	1830.5	-2630.3
229	3189172.1	407374.7	13973.3	1837.0	-2627.9
230	3178075.6	408568.4	14145.9	1843.4	-2624.9
231	3166822.8	409754.5	14294.5	1849.7	-2622.4
232	3155377.0	410932.5	14472.2	1855.9	-2619.0
233	3143753.3	412102.3	14637.7	1862.0	-2615.7
234	3131964.2	413263.9	14793.3	1868.1	-2612.1
235	3119988.4	414417.1	14965.4	1874.1	-2608.3
236	3107852.2	415562.0	15116.6	1880.0	-2604.7
237	3095526.8	416697.9	15290.5	1885.8	-2600.1
238	3086168.3	417305.2	15420.1	2561.4	-2596.1
239	3069714.9	417903.3	21331.9	2567.1	-2591.4
240	3053137.2	418492.2	21463.4	2572.7	-2586.5
241	3036441.2	419071.7	21589.9	2578.3	-2581.5
242	3019627.7	419642.0	21715.2	2583.8	-2576.5
243	3002686.1	420203.0	21849.2	2589.2	-2571.4
244	2985625.1	420754.1	21975.9	2594.5	-2565.7
245	2968428.6	421295.3	22116.0	2599.7	-2559.8
246	2951128.7	421826.7	22228.9	2604.9	-2554.0
247	2933716.2	422348.3	22349.3	2610.0	-2548.1
248	2938575.7	422859.8	3841.8	2615.0	-2542.0
249	2979998.7	423352.5	-26631.1	2601.7	-2512.9
250	3021396.9	423825.9	-26664.1	2586.0	-2481.3
251	3062735.0	424280.0	-26668.0	2570.1	-2449.7
252	3103999.3	424715.0	-26660.7	2554.2	-2418.3

253	3145192.8	425130.7	-26656.7	2538.2	-2386.5
254	3183374.5	426043.8	-24458.8	1857.7	-2355.6
255	3228430.6	426937.1	-29929.2	1842.7	-2324.1
256	3273514.0	427811.0	-30004.2	1827.6	-2293.0
257	3318597.8	428666.0	-30058.0	1812.5	-2262.4
258	3363662.0	429501.6	-30097.0	1797.2	-2231.1
259	3408744.6	430318.6	-30165.6	1782.0	-2200.7
260	3453801.7	431116.8	-30200.1	1766.6	-2170.0
261	3498840.1	431896.4	-30240.2	1751.2	-2139.4
262	3543863.0	432657.6	-30283.3	1735.8	-2108.9
263	3588888.8	433400.7	-30340.9	1720.2	-2078.9
264	3633861.0	434125.8	-30354.4	1704.7	-2048.6
265	3678829.2	434833.1	-30407.0	1689.0	-2018.8
266	3723755.4	435522.6	-30430.2	1673.3	-1988.8
267	3768645.6	436194.4	-30458.4	1657.5	-1958.9
268	3813498.9	436849.1	-30485.8	1641.7	-1929.4
269	3858313.0	437486.4	-30512.2	1625.8	-1899.7
270	3903090.1	438106.9	-30540.0	1609.8	-1870.5
271	3947804.1	438710.4	-30547.9	1593.8	-1841.0
272	3992489.4	439297.4	-30583.0	1577.7	-1812.0
273	4037120.9	439868.0	-30598.5	1561.6	-1783.2
274	4081700.9	440422.5	-30615.9	1545.4	-1754.4
275	4126200.5	440960.7	-30611.2	1529.1	-1725.5
276	4170662.0	441483.0	-30639.8	1512.7	-1697.0
277	4208904.6	441989.8	-25761.2	1496.3	-1668.6
278	4229619.0	442483.0	-11879.6	1485.5	-1646.6
279	4295227.7	398394.6	183000.0	59536.2	-2139.9
280	3881557.3	354307.5	183000.0	59501.2	-2114.0
281	3428612.3	354762.0	364614.5	1457.8	-1586.4
282	3445750.4	355203.8	-9160.5	1448.5	-1566.5
283	3462811.2	355633.4	-9129.9	1439.1	-1547.0
284	3479751.8	356050.2	-9065.6	1429.6	-1526.9
285	3496617.8	356454.7	-9037.7	1420.0	-1507.1
286	3513390.2	356847.2	-8995.0	1410.4	-1487.6
287	3530066.6	357227.5	-8950.4	1400.7	-1468.0
288	3546634.0	357595.5	-8896.0	1390.9	-1448.0
289	3563126.7	357951.8	-8868.8	1381.1	-1428.7
290	3579527.9	358296.5	-8828.5	1371.2	-1409.4
291	3595814.5	358629.2	-8770.3	1361.2	-1389.7
292	3612010.3	358950.3	-8731.0	1351.2	-1370.2
293	3628117.1	359260.1	-8693.4	1341.1	-1351.1
294	3644136.6	359558.7	-8657.4	1330.9	-1332.0
295	3660036.0	359845.7	-8595.7	1320.7	-1312.5
296	3675863.5	360121.8	-8572.3	1310.3	-1293.5
297	3691605.4	360387.1	-8538.3	1300.0	-1274.6
298	3707223.9	360641.3	-8474.5	1289.5	-1255.6
299	3722752.2	360884.8	-8437.3	1279.0	-1236.5
300	3738199.1	361117.7	-8407.4	1268.4	-1217.8
301	3753542.8	361340.1	-8360.3	1257.7	-1198.9
302	3768779.8	361551.9	-8310.7	1247.0	-1180.1
303	3783953.0	361753.9	-8295.4	1236.2	-1161.8
304	3799018.0	361945.7	-8245.0	1225.3	-1143.2
305	3813974.3	362127.3	-8194.4	1214.3	-1124.6
306	3828855.4	362299.3	-8170.9	1203.3	-1106.3
307	3843643.9	362461.6	-8133.5	1192.2	-1088.1
308	3858328.7	362614.2	-8087.7	1181.1	-1069.7
309	3872927.7	362757.5	-8056.2	1169.8	-1051.6
310	3887442.4	362891.7	-8026.3	1158.5	-1033.7
311	3854137.2	363017.0	30343.1	1151.6	-1019.5
312	3796631.2	363136.1	49839.1	1167.4	-1025.6
313	3739014.4	363248.9	49993.7	1183.2	-1031.5
314	3681301.4	363355.0	50136.3	1198.9	-1037.0
315	3623488.9	363454.3	50281.6	1214.5	-1042.3
316	3565566.2	363546.3	50435.6	1230.0	-1047.0
317	3507557.0	363630.9	50570.1	1245.5	-1051.8
318	3449467.9	363708.4	50698.4	1260.8	-1056.4
319	3391258.0	363777.8	50860.7	1276.2	-1060.3
320	3360302.8	363838.8	28963.5	1286.3	-1059.8
321	3329862.7	363891.5	28572.0	1290.9	-1055.0
322	3314457.6	319977.4	183000.0	58334.9	-1381.5
323	2894161.4	276071.6	183000.0	58315.3	-1374.5

324	2481393.0	232173.9	183000.0	58295.4	-1367.1
325	2076165.3	188283.5	183000.0	58277.0	-1360.2
326	1642947.2	188292.3	353637.3	1312.8	-1028.1
327	1626977.2	188291.9	17031.2	1316.9	-1022.1
328	1610941.8	188282.7	17102.0	1321.0	-1016.5
329	1594830.1	188264.4	17181.6	1325.0	-1010.6
330	1578642.6	188237.0	17260.5	1329.0	-1004.5
331	1622722.0	144382.5	183000.0	58170.7	-1313.5
332	1251332.8	100532.4	183000.0	58154.3	-1305.2
333	817359.9	100477.5	355131.7	1340.4	-985.8
334	808369.1	100412.9	11508.1	1344.0	-979.0
335	799315.2	100338.9	11574.0	1347.6	-972.4
336	790205.3	100255.6	11633.7	1351.1	-965.9
337	781034.1	100162.9	11697.5	1354.6	-959.1
338	771802.7	100060.4	11760.4	1357.9	-951.8
339	762521.6	99948.5	11814.4	1361.3	-945.1
340	753188.5	99827.2	11870.1	1364.5	-938.2
341	743802.6	99695.9	11926.2	1367.7	-930.7
342	734369.9	99555.2	11977.2	1370.8	-923.7
343	724891.1	99404.8	12027.5	1373.8	-916.2
344	715367.2	99244.5	12076.8	1376.7	-908.7
345	705803.3	99074.4	12121.7	1379.6	-901.1
346	696199.7	98894.7	12166.0	1382.4	-893.7
347	686558.4	98705.1	12208.6	1385.2	-885.9
348	676885.8	98505.8	12245.6	1387.9	-878.4
349	667175.8	98296.3	12287.7	1390.5	-870.1
350	657438.4	98077.0	12321.1	1393.0	-862.4
351	647673.4	97847.8	12354.6	1395.5	-854.3
352	637883.5	97608.8	12385.6	1397.9	-846.4
353	628069.1	97359.4	12416.1	1400.2	-837.9
354	618236.8	97100.6	12440.8	1402.5	-830.1
355	608384.2	96831.3	12467.6	1404.7	-821.4
356	598516.1	96552.2	12489.9	1406.8	-813.2
357	588634.2	96263.0	12510.8	1408.8	-804.7
358	578744.4	95963.9	12526.5	1410.8	-796.4
359	568843.2	95654.7	12544.9	1412.7	-787.7
360	558936.4	95335.2	12558.4	1414.6	-778.9
361	549028.6	95005.9	12567.8	1416.3	-770.4
362	539117.9	94666.4	12578.5	1418.0	-761.5
363	529211.5	94317.0	12583.0	1419.7	-752.9
364	519306.9	93957.4	12589.5	1421.2	-743.9
365	509410.1	93587.5	12590.8	1422.7	-734.9
366	500518.1	93207.8	11776.9	1424.1	-726.1
367	492812.0	92818.7	10804.4	1422.4	-715.3
368	485101.1	92420.3	10804.4	1420.4	-704.5
369	477392.4	92013.0	10798.1	1418.3	-694.0
370	469691.1	91596.9	10787.5	1416.2	-683.5
371	461990.9	91171.6	10781.8	1414.0	-672.6
372	454297.0	90737.2	10771.6	1411.7	-661.8
373	446614.7	90293.9	10756.9	1409.4	-651.0
374	438943.8	89842.2	10741.8	1406.9	-640.7
375	431281.7	89381.3	10728.9	1404.5	-629.6
376	423637.1	88911.9	10708.4	1401.9	-619.1
377	416007.9	88433.7	10689.4	1399.3	-608.3
378	408397.8	87947.1	10667.0	1396.6	-597.8
379	400807.2	87452.1	10644.2	1393.8	-587.3
380	393238.1	86948.3	10619.5	1390.9	-576.2
381	385693.7	86436.3	10591.7	1388.0	-565.7
382	378175.8	85916.1	10562.3	1385.0	-555.2
383	370684.7	85387.6	10532.4	1381.9	-544.5
384	363222.2	84850.8	10500.7	1378.8	-533.8
385	355790.3	84306.0	10467.0	1375.5	-523.3
386	348392.1	83753.2	10430.7	1372.3	-512.7
387	341029.3	83192.6	10392.5	1368.9	-502.3
388	333700.9	82624.0	10355.0	1365.4	-491.6
389	326414.1	82047.8	10311.2	1361.9	-481.3
390	319164.0	81463.8	10271.2	1358.3	-470.7
391	311956.4	80872.1	10226.1	1354.7	-460.2
392	304792.8	80273.0	10179.5	1350.9	-449.9
393	297672.5	79666.4	10133.2	1347.1	-439.4
394	290602.1	79052.7	10081.2	1343.2	-429.2

395	283577.0	78431.5	10032.7	1339.3	-418.8
396	276602.8	77803.2	9979.3	1335.2	-408.4
397	269681.0	77167.9	9924.3	1331.1	-398.3
398	262810.4	76525.6	9870.1	1326.9	-388.0
399	255995.8	75876.3	9811.7	1322.6	-377.7
400	249238.2	75220.5	9752.0	1318.3	-367.8
401	242537.0	74557.9	9692.6	1313.9	-357.6
402	235898.3	73888.9	9627.8	1309.4	-347.7
403	229317.8	73213.3	9566.3	1304.8	-337.6
404	222800.8	72531.3	9500.3	1300.2	-327.6
405	216348.3	71843.3	9433.0	1295.4	-317.8
406	209218.9	71148.8	9981.1	1291.2	-308.0
407	202026.6	70447.1	10024.6	1288.1	-298.6
408	194920.1	69738.8	9944.6	1284.9	-289.4
409	187896.1	69023.3	9867.2	1281.7	-279.7
410	180961.8	68301.5	9783.3	1278.3	-270.8
411	174117.2	67572.7	9699.3	1275.0	-261.2
412	167362.8	66837.7	9614.4	1271.5	-252.2
413	160700.8	66096.1	9527.5	1267.9	-242.9
414	154133.1	65348.1	9438.7	1264.3	-233.7
415	147662.1	64593.8	9347.5	1260.6	-224.5
416	141287.7	63833.6	9256.1	1256.8	-215.6
417	135012.4	63067.3	9162.3	1252.9	-206.6
418	128837.5	62295.1	9067.2	1249.0	-197.5
419	122764.5	61517.0	8970.5	1244.9	-188.5
420	116795.4	60733.3	8871.7	1240.8	-179.8
421	110932.2	59944.1	8770.9	1236.6	-171.0
422	105174.1	59149.0	8670.7	1232.4	-161.9
423	99522.9	58348.8	8568.5	1228.0	-153.4
424	93982.9	57543.4	8462.4	1223.6	-144.6
425	88553.5	56733.0	8356.4	1219.1	-136.2
426	83234.9	55917.3	8250.1	1214.5	-127.4
427	78029.1	55096.7	8141.7	1209.9	-118.9
428	72937.6	54271.6	8031.6	1205.1	-110.6
429	67961.8	53441.6	7920.2	1200.3	-102.0
430	63103.3	52607.2	7807.0	1195.4	-93.9
431	58362.0	51768.3	7693.7	1190.4	-85.4
432	53739.1	50925.3	7578.9	1185.3	-77.4
433	49236.5	50078.2	7462.2	1180.2	-69.3
434	44854.9	49226.9	7344.8	1175.0	-61.0
435	40595.6	48372.0	7225.7	1169.6	-53.3
436	36458.8	47513.1	7106.2	1164.2	-45.1
437	32446.0	46650.9	6985.0	1158.7	-37.5
438	28556.9	45785.1	6863.9	1153.2	-29.6
439	24793.6	44916.0	6740.6	1147.5	-21.9
440	21157.4	44043.8	6616.0	1141.8	-14.3
441	17647.3	43168.6	6491.6	1136.0	-6.9
442	14264.9	42290.6	6365.8	1130.0	0.5
443	11010.9	41409.9	6239.0	1124.0	7.9
444	7886.1	40526.5	6111.1	1118.0	15.3
445	4891.0	39640.8	5982.4	1111.8	22.4
446	2025.4	38752.9	5853.8	1105.6	29.5
447	-709.9	37863.0	5723.8	1099.2	36.4
448	-3313.8	36971.0	5592.8	1092.8	43.5
449	-5985.3	36077.1	5629.8	1086.7	50.2
450	-8522.1	35180.8	5497.9	1080.9	56.9
451	-10915.7	34282.3	5358.6	1075.1	63.7
452	-13165.5	33381.9	5218.5	1069.2	70.2
453	-15271.8	32479.7	5078.2	1063.2	76.6
454	-17233.1	31575.6	4936.4	1057.2	83.2
455	-19049.7	30670.2	4794.4	1051.0	89.4
456	-20720.8	29763.3	4651.4	1044.7	95.7
457	-22247.9	28855.3	4509.3	1038.4	101.7
458	-23629.1	27946.2	4365.3	1031.9	107.8
459	-24865.3	27036.3	4221.5	1025.4	113.7
460	-25955.9	26125.7	4077.1	1018.8	119.6
461	-26901.2	25214.4	3932.3	1012.1	125.4
462	-27701.7	24303.0	3787.8	1005.3	130.8
463	-28358.1	23391.6	3643.5	998.4	136.2
464	-28867.9	22479.9	3496.6	991.4	141.9
465	-29234.3	21568.5	3352.0	984.3	147.0

466	-29455.8	20657.5	3206.0	977.2	152.3
467	-29535.0	19747.2	3061.6	969.9	157.2
468	-29469.2	18837.5	2914.7	962.6	162.3
469	-29262.0	17928.9	2770.4	955.1	167.0
470	-28912.4	17021.4	2624.8	947.5	171.7
471	-28421.3	16115.2	2479.8	939.9	176.4
472	-27790.4	15210.8	2335.6	932.1	180.7
473	-27018.0	14307.9	2189.9	924.3	185.2
474	-26107.1	13406.9	2046.2	916.4	189.4
475	-25059.5	12508.3	1903.7	908.3	193.3
476	-22702.9	11611.9	766.9	900.2	197.4
477	-19326.6	10752.7	-231.6	857.5	193.4
478	-16312.0	9933.5	-65.6	812.4	188.4
479	-13627.6	9155.0	73.6	767.2	182.7
480	-11253.4	8418.2	195.7	721.8	176.4
481	-9169.1	7723.6	300.2	676.2	169.5
482	-7699.3	7072.1	680.2	630.5	161.9
483	-6892.3	6444.0	1161.1	604.1	159.0
484	-6111.8	5836.3	1111.6	581.0	156.5
485	-5371.4	5249.3	1073.5	557.8	153.8
486	-4671.2	4683.6	1035.1	534.5	150.7
487	-4010.8	4139.6	996.0	511.0	147.2
488	-3389.5	3617.8	956.2	487.4	143.4
489	-2806.8	3118.5	915.4	463.6	139.3
490	-2262.3	2642.1	874.1	439.8	134.9
491	-1755.7	2189.2	832.2	415.7	130.1
492	-1286.4	1760.3	789.5	391.5	124.9
493	-786.6	1355.7	688.7	367.2	119.4
494	-396.4	1001.1	638.3	320.1	106.1
495	-147.6	698.7	610.5	271.4	91.6
496	-9.5	449.4	556.2	222.5	76.5
497	45.7	254.1	477.8	173.4	60.7
498	46.3	113.5	375.0	124.1	44.2
499	21.2	28.5	247.0	74.6	27.0
500	0.0	0.0	93.4	24.9	9.2

Σ				1248352.5	-963890.0
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VERIFICA STABILITA' DEI PENDII

 Sezione F-F - Condizione Sismica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici :-0.116
 Coefficiente sismico verticale : 0.058
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Falda	1	213.110	176.520
Falda	2	229.500	175.860
Falda	3	239.410	175.310
Falda	4	244.860	175.250
Falda	5	249.510	174.770
Falda	6	254.590	173.500
Falda	7	258.040	172.590
Falda	8	262.460	171.810
Falda	9	264.330	171.740
Falda	10	269.290	171.380
Falda	11	274.790	171.380
Falda	12	279.870	171.740
Falda	13	294.320	171.740
Falda	14	299.340	171.990
Falda	15	304.670	171.810
Falda	16	309.500	171.680
Falda	17	315.730	171.440
Falda	18	319.540	171.440
Falda	19	329.460	169.450
Falda	20	334.900	167.870
Falda	21	340.160	167.940
Falda	22	341.620	167.630
Falda	23	344.940	165.700
Falda	24	348.810	163.520
Falda	25	355.100	160.860
Falda	26	359.520	159.770
Falda	27	361.930	160.010
Falda	28	371.610	160.070
Falda	29	394.590	159.050
Falda	30	400.640	158.680
Falda	31	404.630	159.110
Falda	32	408.740	158.320
Falda	33	410.190	157.650
Falda	34	413.030	156.630
Falda	35	416.480	153.970
Falda	36	426.820	150.580
Falda	37	428.460	150.460
Falda	38	436.800	148.040
Falda	39	446.600	144.770
Falda	40	459.720	140.360
Falda	41	466.130	138.420
Falda	42	468.730	137.880
Falda	43	485.240	133.040
Falda	44	486.990	132.980
Falda	45	492.010	131.290
Falda	46	495.340	130.740
Falda	47	498.360	130.020
Falda	48	503.500	127.720

Falda	49	504.830	127.600
Falda	50	509.910	125.420
Falda	51	514.690	124.150
Falda	52	524.730	121.130
Falda	53	531.500	118.650
Falda	54	536.700	116.530
Falda	55	539.120	115.380
Falda	56	544.810	113.870
Falda	57	549.580	113.090
Falda	58	554.660	111.570
Falda	59	557.320	111.450
Falda	60	586.110	104.380
Pendio	1	215.700	186.740
Pendio	2	218.770	185.120
Pendio	3	229.220	190.050
Pendio	4	239.620	194.190
Pendio	5	254.400	196.540
Pendio	6	259.440	196.960
Pendio	7	264.370	196.480
Pendio	8	269.360	196.480
Pendio	9	280.110	195.330
Pendio	10	284.980	195.030
Pendio	11	289.490	194.310
Pendio	12	299.460	189.330
Pendio	13	309.800	183.680
Pendio	14	329.380	173.160
Pendio	15	329.740	172.500
Pendio	16	333.710	172.500
Pendio	17	341.040	171.720
Pendio	18	349.690	167.150
Pendio	19	359.670	163.490
Pendio	20	362.250	164.090
Pendio	21	376.070	164.090
Pendio	22	387.840	163.250
Pendio	23	400.580	162.830
Pendio	24	408.750	162.710
Pendio	25	410.560	161.330
Pendio	26	413.800	160.370
Pendio	27	417.050	157.840
Pendio	28	444.500	149.670
Pendio	29	459.770	144.560
Pendio	30	472.320	140.600
Pendio	31	495.400	134.590
Pendio	32	499.240	133.990
Pendio	33	502.000	133.030
Pendio	34	507.710	130.440
Pendio	35	510.960	129.300
Pendio	36	514.860	127.800
Pendio	37	518.050	127.320
Pendio	38	524.480	125.220
Pendio	39	527.720	124.490
Pendio	40	531.630	122.750
Pendio	41	541.540	118.730
Pendio	42	551.330	116.680
Pendio	43	566.180	113.200
Pendio	44	590.150	107.610
2	1	220.210	185.799
2	2	220.210	184.710
2	3	229.570	189.040
2	4	239.430	192.950
2	5	244.530	194.000
2	6	254.560	195.350
2	7	259.560	195.760
2	8	264.490	195.720
2	9	274.760	194.950
2	10	279.620	194.310
2	11	284.550	194.100
2	12	289.480	193.190
2	13	294.380	191.030
2	14	304.650	185.150
2	15	314.610	180.020

2	16	319.370	177.280
2	17	324.370	174.750
2	18	327.070	173.230
2	19	327.070	174.401
3	1	221.200	185.168
3	2	221.200	184.170
3	3	234.380	179.320
3	4	239.420	177.700
3	5	244.680	177.380
3	6	249.580	177.070
3	7	260.380	174.910
3	8	264.430	173.650
3	9	269.330	173.150
3	10	279.810	173.960
3	11	299.560	174.010
3	12	304.780	173.960
3	13	309.460	173.650
3	14	314.590	173.600
3	15	319.490	173.240
3	16	324.530	172.660
3	17	326.560	172.750
3	18	326.560	173.517
4	1	216.740	186.191
4	2	216.740	184.540
4	3	224.490	182.050
4	4	229.310	179.940
4	5	239.290	176.740
4	6	244.660	176.300
4	7	249.620	176.320
4	8	254.520	174.970
4	9	264.300	172.830
4	10	269.350	172.070
4	11	274.630	172.540
4	12	279.880	172.920
4	13	294.180	172.890
4	14	299.340	172.980
4	15	304.660	172.740
4	16	309.530	172.480
4	17	319.770	172.510
4	18	324.530	171.720
4	19	329.260	172.070
4	20	329.260	173.224
5	1	325.540	171.795
5	2	325.540	171.150
5	3	330.540	167.130
5	4	349.010	167.130
5	5	349.010	167.509
6	1	217.660	184.244
6	2	217.660	165.480
6	3	244.440	164.050
6	4	249.590	164.100
6	5	254.390	162.620
6	6	259.660	161.640
6	7	264.460	161.300
6	8	269.500	160.440
6	9	279.740	161.180
6	10	295.250	161.180
6	11	299.310	161.530
6	12	304.570	161.130
6	13	319.510	160.840
6	14	324.430	160.100
6	15	329.640	160.610
6	16	333.760	160.500
6	17	340.340	159.700
6	18	342.340	159.070
6	19	344.970	157.410
6	20	349.150	155.230
6	21	349.935	154.821
6	22	349.935	167.060
7	1	349.935	154.821
7	2	349.935	136.792

7	3	350.665	136.792
7	4	350.665	166.792
8	1	350.665	166.792
8	2	350.665	154.632
8	3	355.100	152.890
8	4	359.330	151.570
8	5	362.690	151.899
8	6	362.690	164.090
9	1	362.690	151.899
9	2	362.690	134.090
9	3	363.990	134.090
9	4	363.990	164.090
10	1	363.990	164.090
10	2	363.990	151.956
10	3	364.830	152.030
10	4	365.630	152.024
10	5	365.630	164.090
11	1	365.630	152.024
11	2	365.630	142.090
11	3	366.250	142.090
11	4	366.250	164.090
12	1	366.250	164.090
12	2	366.250	152.021
12	3	374.780	151.970
12	4	394.580	150.940
12	5	400.820	151.000
12	6	404.540	150.940
12	7	407.910	150.710
12	8	410.490	149.170
12	9	411.460	148.880
12	10	413.630	147.400
12	11	416.840	145.390
12	12	423.880	143.160
12	13	429.430	141.900
12	14	435.830	139.730
12	15	436.690	139.670
12	16	442.470	137.730
12	17	453.000	133.890
12	18	456.090	133.210
12	19	459.410	131.950
12	20	462.500	131.260
12	21	474.510	127.600
12	22	476.970	127.250
12	23	489.790	123.650
12	24	495.230	122.510
12	25	507.470	117.760
12	26	518.340	114.610
12	27	527.900	111.460
12	28	531.730	109.750
12	29	536.650	107.740
12	30	541.400	106.600
12	31	546.210	105.680
12	32	551.650	104.080
12	33	551.650	116.605

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPEERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
6	Fila 2	2500.0	18.30	0.00	1.00
7	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
8	Fila 4	2500.0	18.30	0.00	1.00
9	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
10	Fila 3	2500.0	18.30	0.00	1.00

11	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
12	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	366.72	285.36	128.86
2	395.03	323.33	172.21
3	379.83	327.09	172.28
4	394.04	310.78	159.92
5	369.42	294.04	138.16
6	398.41	333.55	182.96
7	407.15	375.90	225.21
8	383.12	314.73	161.14
9	382.94	291.06	139.61
10	384.68	320.98	169.53
11	385.63	315.48	164.11

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	366.72	285.36	128.86	1.290	1
1	366.72	285.36	128.86	1.325	2
2	395.03	323.33	172.21	1.155	1
2	395.03	323.33	172.21	1.172	2
3	379.83	327.09	172.28	1.133	1
3	379.83	327.09	172.28	1.150	2
4	394.04	310.78	159.92	1.282	1
4	394.04	310.78	159.92	1.307	2
5	369.42	294.04	138.16	1.239	1
5	369.42	294.04	138.16	1.268	2
6	398.41	333.55	182.96	1.191	1
6	398.41	333.55	182.96	1.210	2
7	407.15	375.90	225.21	1.173	1
7	407.15	375.90	225.21	1.191	2
8	383.12	314.73	161.14	1.196	1
8	383.12	314.73	161.14	1.217	2
9	382.94	291.06	139.61	1.199	1
9	382.94	291.06	139.61	1.218	2
10	384.68	320.98	169.53	1.140	1
10	384.68	320.98	169.53	1.157	2
11	385.63	315.48	164.11	1.209	1
11	385.63	315.48	164.11	1.232	2

CERCHIO CRITICO N° 3

Larghezza del concio.....=0.297

Situazione di carico numero 1

Coefficiente di sicurezza F =1.133

Coefficiente di forma =0.11733

Coefficiente F/Fo =1.06284

Numero iterazioni = 1
 Precisione = 0.00740

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-40.64	0.391	0.120	19.6	76.2	-8.4
2	-40.51	0.391	0.120	19.6	228.1	-25.0
3	-40.38	0.390	0.120	19.6	379.3	-41.6
4	-40.25	0.389	0.120	19.6	529.8	-58.1
5	-40.12	0.388	0.008	19.6	669.5	-73.4
6	-39.99	0.388	0.008	19.6	775.7	-85.1
7	-39.86	0.387	0.008	19.6	878.0	-96.3
8	-39.73	0.386	0.008	19.6	964.4	-105.7
9	-39.60	0.386	0.008	19.6	1050.2	-115.1
10	-39.48	0.385	0.008	19.6	1135.6	-124.5
11	-39.35	0.384	0.008	19.6	1220.6	-133.8
12	-39.22	0.383	0.008	19.6	1305.1	-143.1
13	-39.09	0.383	0.008	19.6	1389.2	-152.3
14	-38.96	0.382	0.008	19.6	1472.8	-161.5
15	-38.84	0.381	0.008	19.6	1555.9	-170.6
16	-38.71	0.381	0.008	19.6	1638.6	-179.7
17	-38.59	0.380	0.008	19.6	1720.9	-188.7
18	-38.46	0.379	0.008	19.6	1802.8	-197.7
19	-38.33	0.379	0.008	19.6	1884.2	-206.6
20	-38.21	0.378	0.008	19.6	1965.1	-215.5
21	-38.08	0.377	0.008	19.6	2045.7	-224.3
22	-37.96	0.377	0.008	19.6	2125.8	-233.1
23	-37.83	0.376	0.008	19.6	2205.5	-241.8
24	-37.70	0.375	0.008	19.6	2284.7	-250.5
25	-37.58	0.375	0.008	19.6	2363.6	-259.1
26	-37.45	0.374	0.008	19.6	2445.2	-268.1
27	-37.33	0.374	0.008	19.6	2526.3	-277.0
28	-37.21	0.373	0.008	19.6	2607.1	-285.8
29	-37.08	0.372	0.008	19.6	2687.4	-294.7
30	-36.96	0.372	0.008	19.6	2767.4	-303.4
31	-36.84	0.371	0.008	19.6	2846.9	-312.1
32	-36.71	0.371	0.008	19.6	2926.0	-320.8
33	-36.59	0.370	0.008	19.6	3004.7	-329.4
34	-36.47	0.369	0.008	19.6	3083.0	-338.0
35	-36.34	0.369	0.008	19.6	3160.9	-346.6
36	-36.22	0.368	0.008	19.6	3238.4	-355.1
37	-36.10	0.368	0.008	19.6	3315.5	-363.5
38	-35.98	0.367	0.008	19.6	3392.2	-371.9
39	-35.86	0.367	0.008	19.6	3468.5	-380.3
40	-35.73	0.366	0.008	19.6	3544.4	-388.6
41	-35.61	0.365	0.008	19.6	3619.9	-396.9
42	-35.49	0.365	0.008	19.6	3691.9	-404.8
43	-35.37	0.364	0.008	19.6	3761.6	-412.4
44	-35.25	0.364	0.008	19.6	3839.0	-420.9
45	-35.13	0.363	0.008	19.6	3916.0	-429.4
46	-35.01	0.363	0.008	19.6	3992.7	-437.8
47	-34.89	0.362	0.008	19.6	4068.9	-446.1
48	-34.77	0.362	0.008	19.6	4144.8	-454.4
49	-34.65	0.361	0.008	19.6	4220.3	-462.7
50	-34.53	0.361	0.008	19.6	4295.5	-471.0
51	-34.41	0.360	0.008	19.6	4370.3	-479.2
52	-34.29	0.360	0.008	19.6	4444.6	-487.3
53	-34.17	0.359	0.008	19.6	4518.7	-495.4
54	-34.05	0.359	0.008	19.6	4592.3	-503.5
55	-33.93	0.358	0.008	19.6	4665.6	-511.5
56	-33.81	0.358	0.008	19.6	4738.5	-519.5
57	-33.69	0.357	0.008	19.6	4811.1	-527.5
58	-33.57	0.357	0.008	19.6	4883.6	-535.4
59	-33.45	0.356	0.008	19.6	4963.4	-544.2
60	-33.33	0.356	0.008	19.6	5032.4	-551.8
61	-33.22	0.355	0.008	19.6	5094.1	-558.5
62	-33.10	0.355	0.008	19.6	5155.4	-565.2
63	-32.98	0.354	0.008	19.6	5216.4	-571.9
64	-32.86	0.354	0.008	19.6	5277.0	-578.6

65	-32.75	0.353	0.008	19.6	5337.2	-585.2
66	-32.63	0.353	0.008	19.6	5397.1	-591.7
67	-32.51	0.352	0.008	19.6	5456.6	-598.3
68	-32.39	0.352	0.008	19.6	5515.8	-604.8
69	-32.28	0.351	0.008	19.6	5574.7	-611.2
70	-32.16	0.351	0.008	19.6	5633.2	-617.6
71	-32.04	0.350	0.008	19.6	5691.4	-624.0
72	-31.93	0.350	0.008	19.6	5749.2	-630.3
73	-31.81	0.350	0.008	19.6	5806.7	-636.6
74	-31.69	0.349	0.008	19.6	5863.8	-642.9
75	-31.58	0.349	0.008	19.6	5901.9	-647.1
76	-31.46	0.348	0.008	19.6	5912.4	-648.2
77	-31.35	0.348	0.008	19.6	5922.6	-649.4
78	-31.23	0.347	0.008	19.6	5932.5	-650.4
79	-31.12	0.347	0.008	19.6	5942.0	-651.5
80	-31.00	0.347	0.008	19.6	5951.2	-652.5
81	-30.89	0.346	0.008	19.6	5960.0	-653.5
82	-30.77	0.346	0.008	19.6	5968.5	-654.4
83	-30.66	0.345	0.008	19.6	5976.7	-655.3
84	-30.54	0.345	0.008	19.6	5984.6	-656.2
85	-30.43	0.345	0.008	19.6	5992.1	-657.0
86	-30.31	0.344	0.008	19.6	5999.3	-657.8
87	-30.20	0.344	0.008	19.6	6006.2	-658.5
88	-30.08	0.343	0.008	19.6	6012.8	-659.2
89	-29.97	0.343	0.008	19.6	6019.0	-659.9
90	-29.85	0.343	0.008	19.6	6024.9	-660.6
91	-29.74	0.342	0.008	19.6	6030.5	-661.2
92	-29.63	0.342	0.008	19.6	6042.8	-662.5
93	-29.51	0.341	0.008	19.6	6055.2	-663.9
94	-29.40	0.341	0.008	19.6	6067.2	-665.2
95	-29.29	0.341	0.008	19.6	6078.9	-666.5
96	-29.17	0.340	0.008	19.6	6090.3	-667.7
97	-29.06	0.340	0.008	19.6	6101.3	-669.0
98	-28.95	0.339	0.008	19.6	6112.1	-670.1
99	-28.83	0.339	0.008	19.6	6122.5	-671.3
100	-28.72	0.339	0.008	19.6	6132.7	-672.4
101	-28.61	0.338	0.008	19.6	6142.5	-673.5
102	-28.49	0.338	0.008	19.6	6152.0	-674.5
103	-28.39	0.338	0.008	19.6	6161.2	-675.5
104	-28.27	0.337	0.008	19.6	6170.1	-676.5
105	-28.16	0.337	0.008	19.6	6178.7	-677.4
106	-28.05	0.337	0.008	19.6	6187.0	-678.3
107	-27.93	0.336	0.008	19.6	6194.9	-679.2
108	-27.82	0.336	0.008	19.6	6202.6	-680.1
109	-27.71	0.336	0.008	19.6	6202.9	-680.1
110	-27.60	0.335	0.008	19.6	6201.6	-680.0
111	-27.49	0.335	0.008	19.6	6200.1	-679.8
112	-27.38	0.335	0.008	19.6	6198.2	-679.6
113	-27.27	0.334	0.000	11.3	6204.6	-680.3
114	-27.16	0.334	0.000	11.3	6230.4	-683.1
115	-27.04	0.334	0.000	11.3	6255.8	-685.9
116	-26.94	0.333	0.000	11.3	6280.8	-688.6
117	-26.82	0.333	0.000	11.3	6305.3	-691.3
118	-26.71	0.333	0.000	11.3	6329.3	-694.0
119	-26.60	0.332	0.000	11.3	6353.0	-696.6
120	-26.49	0.332	0.000	11.3	6376.2	-699.1
121	-26.38	0.332	0.000	13.7	6399.1	-701.6
122	-26.27	0.331	0.000	13.7	6421.4	-704.1
123	-26.16	0.331	0.000	13.7	6443.4	-706.5
124	-26.05	0.331	0.000	13.7	6464.9	-708.8
125	-25.94	0.330	0.000	13.7	6486.0	-711.1
126	-25.83	0.330	0.000	13.7	6505.5	-713.3
127	-25.72	0.330	0.000	13.7	6519.5	-714.8
128	-25.61	0.329	0.000	13.7	6540.0	-717.0
129	-25.50	0.329	0.000	13.7	6569.8	-720.3
130	-25.39	0.329	0.000	13.7	6599.2	-723.5
131	-25.28	0.329	0.000	13.7	6628.1	-726.7
132	-25.18	0.328	0.000	13.7	6656.5	-729.8
133	-25.07	0.328	0.000	13.7	6684.4	-732.9
134	-24.96	0.328	0.000	13.7	6711.8	-735.9
135	-24.85	0.327	0.000	13.7	6738.7	-738.8

136	-24.74	0.327	0.000	13.7	6765.1	-741.7
137	-24.63	0.327	0.000	13.7	6791.0	-744.6
138	-24.52	0.327	0.000	13.7	6816.4	-747.4
139	-24.41	0.326	0.000	13.7	6841.3	-750.1
140	-24.30	0.326	0.000	13.7	6865.7	-752.8
141	-24.20	0.326	0.000	13.7	6889.7	-755.4
142	-24.09	0.325	0.000	13.7	6913.7	-758.0
143	-23.98	0.325	0.000	13.7	6939.5	-760.9
144	-23.87	0.325	0.000	13.7	6966.3	-763.8
145	-23.76	0.325	0.000	13.7	6992.7	-766.7
146	-23.66	0.324	0.000	13.7	7018.5	-769.5
147	-23.55	0.324	0.000	13.7	7043.9	-772.3
148	-23.44	0.324	0.000	13.7	7068.8	-775.0
149	-23.33	0.324	0.000	13.7	7093.2	-777.7
150	-23.23	0.323	0.000	13.7	7117.2	-780.3
151	-23.12	0.323	0.000	13.7	7140.6	-782.9
152	-23.01	0.323	0.000	13.7	7163.6	-785.4
153	-22.90	0.322	0.000	13.7	7186.2	-787.9
154	-22.80	0.322	0.000	13.7	7208.2	-790.3
155	-22.69	0.322	0.000	13.7	7229.8	-792.7
156	-22.58	0.322	0.000	13.7	7250.9	-795.0
157	-22.48	0.321	0.000	13.7	7271.5	-797.3
158	-22.37	0.321	0.000	13.7	7291.7	-799.5
159	-22.26	0.321	0.000	13.7	7311.4	-801.6
160	-22.16	0.321	0.000	13.7	7330.2	-803.7
161	-22.05	0.320	0.000	13.7	7348.8	-805.7
162	-21.94	0.320	0.000	13.7	7366.9	-807.7
163	-21.83	0.320	0.000	13.7	7384.7	-809.7
164	-21.73	0.320	0.000	13.7	7403.3	-811.7
165	-21.62	0.320	0.000	13.7	7421.5	-813.7
166	-21.51	0.319	0.000	13.7	7439.2	-815.6
167	-21.41	0.319	0.000	13.7	7456.4	-817.5
168	-21.30	0.319	0.000	13.7	7473.2	-819.4
169	-21.20	0.319	0.000	13.7	7489.5	-821.2
170	-21.09	0.318	0.000	13.7	7505.4	-822.9
171	-20.98	0.318	0.000	13.7	7520.8	-824.6
172	-20.88	0.318	0.000	13.7	7535.8	-826.2
173	-20.77	0.318	0.000	13.7	7550.3	-827.8
174	-20.67	0.317	0.000	13.7	7564.3	-829.4
175	-20.57	0.317	0.000	13.7	7577.9	-830.9
176	-20.46	0.317	0.000	13.7	7585.0	-831.6
177	-20.35	0.317	0.000	13.7	7583.9	-831.5
178	-20.25	0.317	0.000	13.7	7582.5	-831.3
179	-20.14	0.316	0.000	13.7	7580.5	-831.1
180	-20.04	0.316	0.000	13.7	7578.2	-830.9
181	-19.93	0.316	0.000	13.7	7575.4	-830.6
182	-19.83	0.316	0.000	13.7	7572.1	-830.2
183	-19.72	0.316	0.000	13.7	7568.4	-829.8
184	-19.62	0.315	0.000	13.7	7564.3	-829.4
185	-19.51	0.315	0.000	13.7	7559.7	-828.8
186	-19.41	0.315	0.000	13.7	7554.6	-828.3
187	-19.30	0.315	0.000	13.7	7549.2	-827.7
188	-19.20	0.315	0.000	13.7	7543.3	-827.0
189	-19.09	0.314	0.000	13.7	7536.9	-826.4
190	-18.99	0.314	0.000	13.7	7530.1	-825.6
191	-18.88	0.314	0.000	13.7	7522.9	-824.8
192	-18.78	0.314	0.000	13.7	7515.2	-824.0
193	-18.67	0.314	0.000	13.7	7514.4	-823.9
194	-18.57	0.313	0.000	13.7	7518.0	-824.3
195	-18.47	0.313	0.000	13.7	7521.1	-824.6
196	-18.37	0.313	0.000	13.7	7523.8	-824.9
197	-18.26	0.313	0.000	13.7	7526.1	-825.2
198	-18.16	0.313	0.000	13.7	7528.0	-825.4
199	-18.05	0.312	0.000	13.7	7529.4	-825.5
200	-17.95	0.312	0.000	13.7	7653.8	-839.2
201	-17.84	0.312	0.000	13.7	7620.3	-835.5
202	-17.74	0.312	0.000	13.7	7586.4	-831.8
203	-17.64	0.312	0.000	13.7	7552.1	-828.0
204	-17.53	0.312	0.000	13.7	7517.3	-824.2
205	-17.43	0.311	0.000	13.7	7482.2	-820.4
206	-17.33	0.311	0.000	13.7	7446.6	-816.4

207	-17.22	0.311	0.000	13.7	7410.5	-812.5
208	-17.12	0.311	0.000	13.7	7374.1	-808.5
209	-17.02	0.311	0.000	13.7	7306.9	-801.1
210	-16.91	0.310	0.000	13.7	7036.8	-771.5
211	-16.81	0.310	0.000	13.7	7065.0	-774.6
212	-16.70	0.310	0.000	13.7	7118.8	-780.5
213	-16.60	0.310	0.000	13.7	7172.2	-786.4
214	-16.50	0.310	0.000	13.7	7225.2	-792.2
215	-16.40	0.310	0.000	13.7	7277.7	-797.9
216	-16.29	0.309	0.000	13.7	7329.8	-803.6
217	-16.19	0.309	0.000	13.7	7381.5	-809.3
218	-16.09	0.309	0.000	13.7	7432.8	-814.9
219	-15.99	0.309	0.000	13.7	7483.7	-820.5
220	-15.88	0.309	0.000	13.7	7534.2	-826.1
221	-15.78	0.309	0.000	13.7	7584.2	-831.5
222	-15.68	0.309	0.000	13.7	7633.8	-837.0
223	-15.57	0.308	0.000	13.7	7683.0	-842.4
224	-15.47	0.308	0.000	13.7	7721.3	-846.6
225	-15.37	0.308	0.000	13.7	7750.8	-849.8
226	-15.27	0.308	0.000	13.7	7779.9	-853.0
227	-15.16	0.308	0.000	13.7	7808.6	-856.1
228	-15.06	0.308	0.000	13.7	7843.1	-859.9
229	-14.96	0.307	0.000	13.7	7882.3	-864.2
230	-14.86	0.307	0.000	13.7	7921.1	-868.5
231	-14.76	0.307	0.000	13.7	7959.5	-872.7
232	-14.65	0.307	0.000	13.7	7997.4	-876.8
233	-14.55	0.307	0.000	13.7	8035.0	-881.0
234	-14.45	0.307	0.000	13.7	8072.2	-885.0
235	-14.35	0.307	0.000	13.7	8108.9	-889.1
236	-14.25	0.306	0.000	13.7	8145.2	-893.1
237	-14.14	0.306	0.000	13.7	8181.2	-897.0
238	-14.04	0.306	0.176	14.5	8216.7	-900.9
239	-13.94	0.306	0.176	14.5	8251.8	-904.7
240	-13.84	0.306	0.176	14.5	8286.5	-908.5
241	-13.73	0.306	0.176	14.5	8320.8	-912.3
242	-13.63	0.306	0.176	14.5	8354.7	-916.0
243	-13.53	0.306	0.176	14.5	8388.3	-919.7
244	-13.43	0.305	0.176	14.5	8421.4	-923.3
245	-13.33	0.305	0.176	14.5	8454.0	-926.9
246	-13.23	0.305	0.176	14.5	8479.2	-929.7
247	-13.13	0.305	0.176	14.5	8502.7	-932.2
248	-13.03	0.305	0.176	14.5	8525.8	-934.8
249	-12.92	0.305	0.176	14.5	8482.6	-930.0
250	-12.82	0.305	0.176	14.5	8430.0	-924.3
251	-12.72	0.305	0.176	14.5	8364.3	-917.1
252	-12.62	0.304	0.176	14.5	8297.1	-909.7
253	-12.52	0.304	0.176	14.5	8229.6	-902.3
254	-12.42	0.304	0.000	13.7	8161.6	-894.8
255	-12.31	0.304	0.000	13.7	8093.3	-887.4
256	-12.21	0.304	0.000	13.7	8024.5	-879.8
257	-12.12	0.304	0.000	13.7	7955.4	-872.2
258	-12.01	0.304	0.000	13.7	7885.9	-864.6
259	-11.91	0.304	0.000	13.7	7815.9	-856.9
260	-11.81	0.303	0.000	13.7	7745.6	-849.2
261	-11.71	0.303	0.000	13.7	7674.9	-841.5
262	-11.61	0.303	0.000	13.7	7604.3	-833.7
263	-11.51	0.303	0.000	13.7	7533.4	-826.0
264	-11.41	0.303	0.000	13.7	7462.2	-818.2
265	-11.31	0.303	0.000	13.7	7390.6	-810.3
266	-11.21	0.303	0.000	13.7	7318.6	-802.4
267	-11.10	0.303	0.000	13.7	7246.2	-794.5
268	-11.01	0.303	0.000	13.7	7173.3	-786.5
269	-10.90	0.303	0.000	13.7	7100.2	-778.5
270	-10.80	0.302	0.000	13.7	7026.6	-770.4
271	-10.70	0.302	0.000	13.7	6952.6	-762.3
272	-10.60	0.302	0.000	13.7	6878.2	-754.1
273	-10.50	0.302	0.000	13.7	6803.5	-745.9
274	-10.40	0.302	0.000	13.7	6728.3	-737.7
275	-10.30	0.302	0.000	13.7	6656.6	-729.8
276	-10.20	0.302	0.000	13.7	6585.9	-722.1
277	-10.10	0.302	0.000	13.7	6514.9	-714.3

278	-10.00	0.302	0.000	13.7	6465.2	-708.9
279	-9.90	0.302	18.300	0.0	9276.9	-1017.1
280	-9.80	0.301	18.300	0.0	9208.5	-1009.6
281	-9.70	0.301	0.000	13.7	6334.5	-694.5
282	-9.60	0.301	0.000	13.7	6290.2	-689.7
283	-9.50	0.301	0.000	13.7	6245.5	-684.8
284	-9.40	0.301	0.000	13.7	6200.4	-679.8
285	-9.30	0.301	0.000	13.7	6154.9	-674.8
286	-9.20	0.301	0.000	13.7	6109.0	-669.8
287	-9.10	0.301	0.000	13.7	6062.7	-664.7
288	-9.00	0.301	0.000	13.7	6016.1	-659.6
289	-8.90	0.301	0.000	13.7	5969.0	-654.5
290	-8.80	0.301	0.000	13.7	5921.6	-649.3
291	-8.70	0.301	0.000	13.7	5873.8	-644.0
292	-8.60	0.300	0.000	13.7	5825.6	-638.7
293	-8.50	0.300	0.000	13.7	5777.1	-633.4
294	-8.40	0.300	0.000	13.7	5728.1	-628.0
295	-8.30	0.300	0.000	13.7	5678.8	-622.6
296	-8.20	0.300	0.000	13.7	5632.7	-617.6
297	-8.10	0.300	0.000	13.7	5589.2	-612.8
298	-8.00	0.300	0.000	13.7	5545.3	-608.0
299	-7.90	0.300	0.000	13.7	5501.0	-603.1
300	-7.80	0.300	0.000	13.7	5456.3	-598.2
301	-7.70	0.300	0.000	13.7	5411.3	-593.3
302	-7.60	0.300	0.000	13.7	5365.9	-588.3
303	-7.50	0.300	0.000	13.7	5320.1	-583.3
304	-7.40	0.300	0.000	13.7	5273.9	-578.2
305	-7.30	0.299	0.000	13.7	5227.3	-573.1
306	-7.20	0.299	0.000	13.7	5180.4	-568.0
307	-7.10	0.299	0.000	13.7	5133.1	-562.8
308	-7.00	0.299	0.000	13.7	5085.4	-557.6
309	-6.90	0.299	0.000	13.7	5037.3	-552.3
310	-6.80	0.299	0.000	13.7	4988.9	-547.0
311	-6.70	0.299	0.000	13.7	4966.2	-544.5
312	-6.60	0.299	0.000	13.7	5036.2	-552.2
313	-6.51	0.299	0.000	13.7	5105.8	-559.8
314	-6.41	0.299	0.000	13.7	5175.1	-567.4
315	-6.31	0.299	0.000	13.7	5244.0	-575.0
316	-6.21	0.299	0.000	13.7	5312.5	-582.5
317	-6.11	0.299	0.000	13.7	5380.6	-589.9
318	-6.01	0.299	0.000	13.7	5448.4	-597.4
319	-5.91	0.299	0.000	13.7	5513.8	-604.5
320	-5.81	0.299	0.000	13.7	5557.6	-609.3
321	-5.71	0.299	0.000	13.7	5579.5	-611.7
322	-5.61	0.298	18.300	0.0	8022.3	-879.6
323	-5.51	0.298	18.300	0.0	8054.7	-883.1
324	-5.41	0.298	18.300	0.0	8086.5	-886.6
325	-5.31	0.298	18.300	0.0	8117.8	-890.0
326	-5.22	0.298	0.000	13.7	5683.3	-623.1
327	-5.11	0.298	0.000	13.7	5702.9	-625.3
328	-5.02	0.298	0.000	13.7	5722.2	-627.4
329	-4.92	0.298	0.000	13.7	5741.1	-629.5
330	-4.82	0.298	0.000	13.7	5759.6	-631.5
331	-4.72	0.298	18.300	0.0	8293.3	-909.3
332	-4.62	0.298	18.300	0.0	8320.6	-912.3
333	-4.52	0.298	0.000	13.7	5812.9	-637.3
334	-4.42	0.298	0.000	13.7	5829.9	-639.2
335	-4.32	0.298	0.000	13.7	5846.6	-641.0
336	-4.22	0.298	0.000	13.7	5862.9	-642.8
337	-4.12	0.298	0.000	13.7	5878.8	-644.6
338	-4.02	0.298	0.000	13.7	5894.3	-646.3
339	-3.93	0.298	0.000	13.7	5909.5	-647.9
340	-3.83	0.298	0.000	13.7	5924.2	-649.5
341	-3.73	0.298	0.000	13.7	5938.6	-651.1
342	-3.63	0.298	0.000	13.7	5952.7	-652.7
343	-3.53	0.298	0.000	13.7	5966.4	-654.2
344	-3.43	0.298	0.000	13.7	5979.6	-655.6
345	-3.33	0.298	0.000	13.7	5992.6	-657.0
346	-3.23	0.298	0.000	13.7	6005.1	-658.4
347	-3.13	0.298	0.000	13.7	6017.3	-659.7
348	-3.04	0.297	0.000	13.7	6029.1	-661.0

349	-2.93	0.297	0.000	13.7	6040.5	-662.3
350	-2.84	0.297	0.000	13.7	6051.6	-663.5
351	-2.74	0.297	0.000	13.7	6062.3	-664.7
352	-2.64	0.297	0.000	13.7	6070.7	-665.6
353	-2.54	0.297	0.000	13.7	6078.8	-666.5
354	-2.44	0.297	0.000	13.7	6086.5	-667.3
355	-2.34	0.297	0.000	13.7	6093.8	-668.1
356	-2.24	0.297	0.000	13.7	6100.7	-668.9
357	-2.14	0.297	0.000	13.7	6107.3	-669.6
358	-2.05	0.297	0.000	13.7	6113.5	-670.3
359	-1.95	0.297	0.000	13.7	6119.3	-670.9
360	-1.85	0.297	0.000	13.7	6124.8	-671.5
361	-1.75	0.297	0.000	13.7	6129.9	-672.1
362	-1.65	0.297	0.000	13.7	6134.6	-672.6
363	-1.55	0.297	0.000	13.7	6139.0	-673.1
364	-1.45	0.297	0.000	13.7	6142.9	-673.5
365	-1.35	0.297	0.000	13.7	6146.5	-673.9
366	-1.26	0.297	0.000	13.7	6149.8	-674.3
367	-1.16	0.297	0.000	13.7	6140.5	-673.3
368	-1.06	0.297	0.000	13.7	6130.4	-672.1
369	-0.96	0.297	0.000	13.7	6119.8	-671.0
370	-0.86	0.297	0.000	13.7	6108.9	-669.8
371	-0.76	0.297	0.000	13.7	6097.6	-668.6
372	-0.66	0.297	0.000	13.7	6086.0	-667.3
373	-0.56	0.297	0.000	13.7	6074.0	-666.0
374	-0.47	0.297	0.000	13.7	6061.6	-664.6
375	-0.36	0.297	0.000	13.7	6048.8	-663.2
376	-0.27	0.297	0.000	13.7	6035.7	-661.8
377	-0.17	0.297	0.000	13.7	6022.2	-660.3
378	-0.07	0.297	0.000	13.7	6008.3	-658.8
379	0.03	0.297	0.000	13.7	5994.1	-657.2
380	0.13	0.297	0.000	13.7	5979.5	-655.6
381	0.23	0.297	0.000	13.7	5964.5	-654.0
382	0.32	0.297	0.000	13.7	5949.2	-652.3
383	0.42	0.297	0.000	13.7	5933.4	-650.5
384	0.52	0.297	0.000	13.7	5917.3	-648.8
385	0.62	0.297	0.000	13.7	5900.9	-647.0
386	0.72	0.297	0.000	13.7	5884.1	-645.1
387	0.82	0.297	0.000	13.7	5866.9	-643.2
388	0.92	0.297	0.000	13.7	5849.3	-641.3
389	1.02	0.297	0.000	13.7	5831.3	-639.4
390	1.12	0.297	0.000	13.7	5813.0	-637.3
391	1.22	0.297	0.000	13.7	5794.4	-635.3
392	1.31	0.297	0.000	13.7	5775.3	-633.2
393	1.41	0.297	0.000	13.7	5755.9	-631.1
394	1.51	0.297	0.000	13.7	5736.1	-628.9
395	1.61	0.297	0.000	13.7	5715.9	-626.7
396	1.71	0.297	0.000	13.7	5695.4	-624.4
397	1.81	0.297	0.000	13.7	5674.5	-622.2
398	1.91	0.297	0.000	13.7	5653.2	-619.8
399	2.01	0.297	0.000	13.7	5631.5	-617.4
400	2.10	0.297	0.000	13.7	5609.5	-615.0
401	2.20	0.297	0.000	13.7	5587.1	-612.6
402	2.30	0.297	0.000	13.7	5564.4	-610.1
403	2.40	0.297	0.000	13.7	5541.2	-607.5
404	2.50	0.297	0.000	13.7	5517.7	-605.0
405	2.60	0.297	0.000	13.7	5493.9	-602.4
406	2.70	0.297	0.000	13.7	5471.9	-599.9
407	2.80	0.297	0.000	13.7	5454.1	-598.0
408	2.89	0.297	0.000	13.7	5435.9	-596.0
409	3.00	0.297	0.000	13.7	5417.4	-594.0
410	3.09	0.297	0.000	13.7	5398.4	-591.9
411	3.19	0.298	0.000	13.7	5379.1	-589.8
412	3.29	0.298	0.000	13.7	5359.5	-587.6
413	3.39	0.298	0.000	13.7	5339.4	-585.4
414	3.49	0.298	0.000	13.7	5319.0	-583.2
415	3.59	0.298	0.000	13.7	5298.2	-580.9
416	3.69	0.298	0.000	13.7	5277.1	-578.6
417	3.79	0.298	0.000	13.7	5255.6	-576.2
418	3.88	0.298	0.000	13.7	5233.7	-573.8
419	3.98	0.298	0.000	13.7	5211.4	-571.4

420	4.08	0.298	0.000	13.7	5188.7	-568.9
421	4.18	0.298	0.000	13.7	5165.7	-566.4
422	4.28	0.298	0.000	13.7	5142.3	-563.8
423	4.38	0.298	0.000	13.7	5118.6	-561.2
424	4.48	0.298	0.000	13.7	5094.4	-558.6
425	4.58	0.298	0.000	13.7	5069.9	-555.9
426	4.68	0.298	0.000	13.7	5045.0	-553.1
427	4.78	0.298	0.000	13.7	5019.8	-550.4
428	4.87	0.298	0.000	13.7	4994.1	-547.6
429	4.98	0.298	0.000	13.7	4967.8	-544.7
430	5.07	0.298	0.000	13.7	4940.7	-541.7
431	5.17	0.298	0.000	13.7	4913.4	-538.7
432	5.27	0.298	0.000	13.7	4885.6	-535.7
433	5.37	0.298	0.000	13.7	4857.5	-532.6
434	5.47	0.298	0.000	13.7	4829.0	-529.5
435	5.57	0.298	0.000	13.7	4800.1	-526.3
436	5.67	0.299	0.000	13.7	4770.8	-523.1
437	5.77	0.299	0.000	13.7	4741.2	-519.8
438	5.87	0.299	0.000	13.7	4711.2	-516.5
439	5.97	0.299	0.000	13.7	4680.8	-513.2
440	6.07	0.299	0.000	13.7	4650.0	-509.8
441	6.17	0.299	0.000	13.7	4618.9	-506.4
442	6.26	0.299	0.000	13.7	4587.4	-503.0
443	6.36	0.299	0.000	13.7	4555.5	-499.5
444	6.46	0.299	0.000	13.7	4523.2	-495.9
445	6.56	0.299	0.000	13.7	4490.6	-492.3
446	6.66	0.299	0.000	13.7	4457.5	-488.7
447	6.76	0.299	0.000	13.7	4424.1	-485.1
448	6.86	0.299	0.000	13.7	4390.3	-481.4
449	6.96	0.299	0.000	13.7	4359.2	-477.9
450	7.06	0.299	0.000	13.7	4334.2	-475.2
451	7.16	0.299	0.000	13.7	4308.8	-472.4
452	7.26	0.299	0.000	13.7	4283.1	-469.6
453	7.36	0.300	0.000	13.7	4256.9	-466.7
454	7.46	0.300	0.000	13.7	4230.4	-463.8
455	7.56	0.300	0.000	13.7	4203.6	-460.9
456	7.66	0.300	0.000	13.7	4176.3	-457.9
457	7.76	0.300	0.000	13.7	4148.6	-454.9
458	7.86	0.300	0.000	13.7	4120.6	-451.8
459	7.96	0.300	0.000	13.7	4092.2	-448.7
460	8.06	0.300	0.000	13.7	4063.4	-445.5
461	8.16	0.300	0.000	13.7	4034.3	-442.3
462	8.26	0.300	0.000	13.7	4004.7	-439.1
463	8.35	0.300	0.000	13.7	3965.7	-434.8
464	8.46	0.300	0.000	13.7	3924.2	-430.2
465	8.56	0.300	0.000	13.7	3882.3	-425.7
466	8.66	0.300	0.000	13.7	3840.0	-421.0
467	8.75	0.301	0.000	13.7	3797.3	-416.3
468	8.86	0.301	0.000	13.7	3754.3	-411.6
469	8.96	0.301	0.000	13.7	3710.8	-406.9
470	9.06	0.301	0.000	13.7	3667.0	-402.1
471	9.16	0.301	0.000	13.7	3622.8	-397.2
472	9.25	0.301	0.000	13.7	3578.2	-392.3
473	9.36	0.301	0.000	13.7	3533.3	-387.4
474	9.46	0.301	0.000	13.7	3487.9	-382.4
475	9.55	0.301	0.000	13.7	3442.2	-377.4
476	9.66	0.301	0.000	13.7	3396.0	-372.3
477	9.76	0.301	0.000	13.7	3214.7	-352.5
478	9.86	0.302	0.000	13.7	3025.1	-331.7
479	9.96	0.302	0.000	13.7	2835.1	-310.8
480	10.06	0.302	0.000	13.7	2644.7	-290.0
481	10.16	0.302	0.000	13.7	2454.2	-269.1
482	10.26	0.302	0.000	13.7	2270.5	-248.9
483	10.36	0.302	0.000	13.7	2173.2	-238.3
484	10.46	0.302	0.000	13.7	2088.1	-228.9
485	10.56	0.302	0.000	13.7	2002.6	-219.6
486	10.66	0.302	0.000	13.7	1916.8	-210.2
487	10.76	0.302	0.000	13.7	1830.7	-200.7
488	10.86	0.302	0.000	13.7	1744.3	-191.2
489	10.96	0.303	0.000	13.7	1657.5	-181.7
490	11.06	0.303	0.000	13.7	1570.5	-172.2

491	11.16	0.303	0.000	13.7	1483.1	-162.6
492	11.26	0.303	0.000	13.7	1395.3	-153.0
493	11.36	0.303	0.000	13.7	1307.3	-143.3
494	11.47	0.303	0.000	13.7	1138.3	-124.8
495	11.57	0.303	0.000	13.7	964.1	-105.7
496	11.67	0.303	0.000	13.7	789.5	-86.6
497	11.77	0.303	0.000	13.7	614.7	-67.4
498	11.87	0.304	0.000	13.7	439.4	-48.2
499	11.97	0.304	0.000	13.7	263.9	-28.9
500	12.07	0.304	0.000	13.7	88.0	-9.7

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	1963.0	6727.4	-836.3	549.5	-73.8
2	3310.8	6391.9	-112.1	625.1	-219.9
3	2681.8	6134.1	1900.9	700.0	-364.1
4	2078.9	5952.9	2020.5	774.2	-506.5
5	997.7	6260.6	1722.6	371.3	-637.5
6	334.5	6619.9	1428.5	423.7	-735.7
7	-232.3	7028.3	1435.4	473.8	-829.4
8	-766.4	7477.4	1487.8	515.7	-907.2
9	-1364.3	7966.5	1631.6	557.1	-984.1
10	-2031.9	8495.0	1780.8	598.1	-1059.8
11	-2774.6	9062.2	1935.0	638.6	-1134.6
12	-3597.4	9667.5	2093.9	678.8	-1208.3
13	-4505.5	10310.1	2257.6	718.5	-1281.0
14	-5504.1	10989.6	2426.0	757.7	-1352.6
15	-6597.8	11705.2	2598.8	796.6	-1423.3
16	-7791.5	12456.4	2776.2	835.0	-1493.0
17	-9089.7	13242.5	2957.7	873.0	-1561.8
18	-10497.4	14062.9	3143.9	910.7	-1629.4
19	-12018.0	14917.1	3333.4	947.9	-1696.4
20	-13657.3	15804.4	3528.3	984.8	-1762.2
21	-15418.4	16724.3	3726.0	1021.2	-1827.2
22	-17305.5	17676.2	3927.8	1057.4	-1891.3
23	-19322.9	18659.6	4133.6	1093.1	-1954.5
24	-21474.6	19673.7	4343.2	1128.4	-2016.6
25	-23763.8	20718.2	4555.9	1163.5	-2078.1
26	-26205.0	21793.7	4785.6	1199.6	-2141.3
27	-28793.2	22899.8	5010.4	1235.4	-2203.7
28	-31532.0	24036.2	5238.6	1270.9	-2265.4
29	-34425.6	25201.8	5471.1	1305.9	-2325.8
30	-37476.6	26396.5	5705.8	1340.7	-2385.8
31	-40689.1	27619.5	5944.5	1375.1	-2444.7
32	-44065.8	28870.4	6186.0	1409.2	-2502.8
33	-47610.3	30148.6	6430.7	1442.9	-2560.1
34	-51324.9	31453.6	6677.9	1476.3	-2616.5
35	-55214.2	32784.9	6929.5	1509.4	-2672.3
36	-59279.6	34141.8	7182.5	1542.1	-2727.0
37	-63524.1	35524.1	7438.3	1574.6	-2781.2
38	-67950.3	36931.0	7696.8	1606.7	-2834.3
39	-72562.4	38362.3	7959.2	1638.6	-2887.1
40	-77361.2	39817.2	8222.7	1670.1	-2938.6
41	-82348.9	41295.4	8488.1	1701.3	-2989.7
42	-87514.9	42794.9	8740.3	1730.7	-3037.1
43	-93201.9	44314.7	9326.4	1759.1	-3082.5
44	-99501.8	45857.6	10011.1	1790.9	-3133.9
45	-106051.6	47423.0	10340.2	1822.3	-3184.3
46	-112852.4	49010.5	10670.5	1853.5	-3234.2
47	-119908.1	50619.6	11004.8	1884.4	-3283.2
48	-127221.7	52249.7	11342.1	1914.9	-3331.4
49	-134796.8	53900.6	11683.1	1945.3	-3379.1
50	-142634.4	55571.8	12025.3	1975.4	-3426.0
51	-150738.1	57262.6	12371.0	2005.1	-3472.2
52	-159111.0	58972.6	12720.1	2034.6	-3517.6
53	-167755.0	60701.5	13071.0	2063.9	-3562.5
54	-176669.6	62448.7	13422.0	2092.8	-3606.4
55	-185861.9	64213.9	13779.6	2121.6	-3650.1

56	-195330.4	65996.5	14136.2	2150.0	-3692.7
57	-205078.8	67796.1	14496.7	2178.2	-3734.7
58	-215109.1	69612.6	14859.3	2206.4	-3776.7
59	-225234.9	71448.1	15045.0	2237.6	-3823.4
60	-233388.4	73298.5	13165.7	2264.0	-3861.8
61	-241663.1	75160.8	13357.6	2287.1	-3894.2
62	-250091.4	77034.5	13581.7	2309.9	-3925.7
63	-258672.1	78919.2	13804.5	2332.5	-3956.9
64	-267408.2	80814.7	14030.2	2354.9	-3987.7
65	-276297.3	82720.5	14253.6	2377.0	-4017.6
66	-285338.1	84636.3	14475.5	2399.0	-4047.1
67	-294531.8	86561.7	14698.5	2420.8	-4076.1
68	-303879.4	88496.4	14922.6	2442.3	-4104.4
69	-313378.8	90439.9	15144.6	2463.6	-4132.2
70	-323028.6	92392.1	15364.9	2484.8	-4159.6
71	-332830.8	94352.3	15587.4	2505.6	-4186.2
72	-342784.5	96320.6	15808.6	2526.4	-4212.8
73	-352886.1	98296.2	16026.6	2546.9	-4238.2
74	-363139.7	100279.1	16248.2	2567.2	-4263.7
75	-362703.3	102262.6	5558.3	2579.3	-4275.0
76	-360820.4	104236.9	4118.5	2579.4	-4265.9
77	-358594.9	106202.4	3787.1	2579.5	-4257.2
78	-356023.4	108158.4	3451.4	2579.3	-4247.5
79	-353113.5	110105.4	3122.5	2579.2	-4238.4
80	-349861.7	112042.5	2789.2	2578.8	-4228.2
81	-346274.6	113970.3	2461.9	2578.4	-4218.5
82	-342347.6	115888.2	2129.0	2577.8	-4208.0
83	-338091.1	117796.5	1805.9	2577.1	-4197.8
84	-333503.6	119694.7	1480.3	2576.3	-4187.0
85	-328584.3	121582.9	1153.3	2575.4	-4176.3
86	-323338.2	123460.8	830.3	2574.4	-4165.0
87	-317768.8	125328.5	510.4	2573.2	-4153.7
88	-311876.5	127185.7	189.8	2572.0	-4142.2
89	-305661.6	129032.7	-131.1	2570.7	-4130.7
90	-299131.3	130868.9	-445.5	2569.2	-4118.7
91	-292282.4	132694.5	-763.9	2567.6	-4106.7
92	-285159.1	134511.3	-1030.9	2568.8	-4099.0
93	-277731.0	136319.7	-1329.4	2570.2	-4091.8
94	-269997.9	138119.3	-1628.6	2571.4	-4084.0
95	-261956.1	139909.9	-1932.4	2572.4	-4075.9
96	-253617.0	141691.3	-2225.4	2573.3	-4067.6
97	-244975.0	143463.7	-2524.8	2574.2	-4059.3
98	-236040.1	145226.9	-2814.7	2575.0	-4050.8
99	-226804.6	146980.7	-3113.1	2575.6	-4042.0
100	-217275.4	148725.0	-3405.3	2576.1	-4032.9
101	-207456.4	150459.9	-3694.0	2576.6	-4023.9
102	-197347.7	152184.7	-3983.7	2576.8	-4014.1
103	-186951.4	153900.1	-4271.5	2577.1	-4004.9
104	-176267.0	155605.4	-4560.8	2577.1	-3994.8
105	-165304.4	157300.7	-4840.5	2577.1	-3984.8
106	-154060.5	158986.1	-5124.1	2577.0	-3974.9
107	-142539.0	160661.1	-5404.7	2576.7	-3964.1
108	-129841.4	162325.9	-6609.8	2576.4	-3953.7
109	-115164.1	163978.5	-8650.7	2573.1	-3938.6
110	-100164.7	165618.3	-8989.5	2569.1	-3922.2
111	-84840.8	167245.3	-9331.5	2565.1	-3905.9
112	-69206.0	168859.6	-9660.1	2561.0	-3889.5
113	-68421.3	171387.4	3342.1	1519.9	-3878.2
114	-52298.7	173912.9	-6102.3	1523.9	-3879.3
115	-35694.4	176435.0	-6386.4	1527.7	-3879.3
116	-18601.6	178954.5	-6675.0	1531.4	-3880.0
117	-1026.4	181470.3	-6960.5	1535.0	-3879.6
118	17026.0	183982.6	-7243.1	1538.5	-3879.1
119	35561.5	186491.0	-7530.0	1541.9	-3878.3
120	54576.6	188995.2	-7815.1	1545.2	-3877.1
121	78280.7	191223.5	-12832.3	1854.1	-3875.5
122	98040.9	193446.7	-9895.6	1858.0	-3873.9
123	118227.3	195664.2	-10200.4	1861.8	-3871.6
124	138833.1	197876.2	-10500.5	1865.4	-3869.2
125	159854.7	200082.1	-10798.7	1868.9	-3866.2
126	181304.5	202281.8	-11107.3	1872.0	-3862.8

127	203187.3	204472.8	-11424.1	1873.4	-3855.4
128	225386.3	206662.2	-11662.2	1871.8	-3852.3
129	247859.7	208859.0	-11880.9	1865.8	-3854.4
130	270767.8	211062.9	-12219.4	1859.7	-3856.0
131	294114.9	213273.8	-12561.5	1853.6	-3857.6
132	317899.3	215491.2	-12902.8	1847.4	-3858.7
133	342123.1	217714.6	-13246.4	1841.2	-3859.1
134	366781.8	219943.9	-13586.9	1834.9	-3859.4
135	391887.9	222179.0	-13937.3	1828.6	-3859.7
136	417433.4	224418.9	-14282.4	1822.2	-3858.8
137	443423.5	226663.9	-14631.6	1815.8	-3858.2
138	469849.6	228913.3	-14975.2	1809.4	-3856.9
139	496722.0	231166.8	-15326.9	1802.8	-3855.2
140	524045.5	233424.4	-15682.5	1796.3	-3853.4
141	551809.5	235685.8	-16030.8	1789.7	-3851.3
142	580011.5	237950.6	-16377.2	1783.2	-3849.1
143	608258.5	240218.8	-16427.5	1777.6	-3847.4
144	636605.8	242491.1	-16518.1	1772.4	-3846.9
145	665387.2	244766.9	-16859.3	1767.1	-3845.6
146	694594.4	247045.7	-17194.8	1761.7	-3844.0
147	724239.4	249327.4	-17539.8	1756.3	-3842.0
148	754326.8	251611.8	-17888.5	1750.9	-3840.0
149	784838.6	253898.3	-18224.5	1745.4	-3837.2
150	815792.6	256187.3	-18574.0	1740.0	-3834.8
151	847166.4	258477.8	-18907.4	1734.3	-3831.3
152	878979.6	260769.4	-19256.1	1728.7	-3827.4
153	911229.4	263062.6	-19602.9	1723.0	-3824.0
154	943905.4	265356.7	-19942.5	1717.3	-3819.8
155	977015.6	267651.4	-20288.6	1711.5	-3815.2
156	1010551.4	269946.8	-20628.6	1705.7	-3810.7
157	1044514.1	272242.1	-20970.2	1699.8	-3805.5
158	1078907.9	274537.2	-21315.5	1693.9	-3800.0
159	1113727.3	276832.1	-21656.9	1687.9	-3794.4
160	1148974.2	279126.3	-22000.6	1681.8	-3788.4
161	1184637.3	281419.7	-22336.0	1675.7	-3782.2
162	1220726.6	283711.7	-22679.7	1669.5	-3775.2
163	1257233.8	286002.4	-23017.6	1663.3	-3768.4
164	1294155.6	288293.1	-23354.7	1656.5	-3762.3
165	1331501.0	290583.2	-23699.3	1649.6	-3755.5
166	1369249.7	292871.9	-24029.3	1642.6	-3748.0
167	1407448.5	295160.2	-24394.5	1635.6	-3741.4
168	1446042.3	297446.7	-24719.1	1628.6	-3733.3
169	1485066.1	299731.9	-25070.3	1621.5	-3725.7
170	1524505.7	302015.5	-25411.2	1614.4	-3717.8
171	1564352.3	304296.8	-25746.2	1607.2	-3709.2
172	1604624.7	306576.5	-26095.4	1600.0	-3701.1
173	1645296.1	308853.4	-26425.3	1592.7	-3691.9
174	1686385.4	311127.8	-26769.7	1585.4	-3682.9
175	1727884.8	313399.7	-27108.4	1578.1	-3673.9
176	1769791.7	315665.6	-27447.1	1570.3	-3661.0
177	1812151.2	317920.7	-27815.3	1564.3	-3644.9
178	1854851.6	320164.7	-28099.3	1558.2	-3628.2
179	1897897.0	322397.2	-28386.8	1552.0	-3611.3
180	1941294.0	324618.6	-28679.6	1545.8	-3594.6
181	1985031.1	326828.6	-28963.9	1539.5	-3577.7
182	2029096.7	329026.7	-29240.2	1533.2	-3560.3
183	2073491.8	331212.8	-29517.6	1526.8	-3542.6
184	2118235.6	333387.5	-29809.7	1520.5	-3525.5
185	2163289.9	335550.2	-30073.1	1514.0	-3507.8
186	2208654.3	337700.5	-30337.0	1507.5	-3489.6
187	2254341.4	339838.6	-30610.7	1501.0	-3471.5
188	2300346.2	341964.6	-30880.6	1494.4	-3453.7
189	2346657.9	344078.1	-31143.0	1487.8	-3435.3
190	2393259.7	346179.0	-31392.9	1481.1	-3416.7
191	2440163.5	348267.2	-31652.5	1474.4	-3398.0
192	2487368.1	350342.8	-31911.1	1467.7	-3379.5
193	2534854.0	352406.9	-32149.9	1462.8	-3363.7
194	2582632.8	354460.8	-32394.1	1459.2	-3350.2
195	2630702.5	356503.9	-32637.3	1455.5	-3336.2
196	2679087.8	358536.7	-32899.2	1451.8	-3322.7
197	2727736.7	360558.1	-33122.7	1448.0	-3307.8

198	2776702.9	362569.0	-33386.7	1444.2	-3294.0
199	2825953.9	364568.9	-33626.4	1440.4	-3279.5
200	2875354.6	366581.8	-33668.4	1469.4	-3318.3
201	2925374.0	368576.2	-34191.6	1456.3	-3288.2
202	2975630.8	370552.7	-34421.9	1443.2	-3258.7
203	3026097.0	372511.1	-34631.5	1430.1	-3228.9
204	3076763.7	374451.2	-34834.6	1417.0	-3199.0
205	3127642.6	376373.4	-35046.6	1403.8	-3169.4
206	3178719.8	378277.3	-35248.8	1390.6	-3139.4
207	3229984.0	380163.0	-35442.5	1377.3	-3109.4
208	3281452.1	382030.9	-35649.3	1364.1	-3079.7
209	3437384.8	383875.3	-116155.9	1342.7	-3037.3
210	3556981.6	385658.3	-88424.4	1269.7	-2911.0
211	3540284.0	387433.5	16586.1	1276.0	-2908.8
212	3523193.6	389205.0	16936.4	1289.1	-2916.7
213	3505803.3	390973.1	17214.7	1302.2	-2925.0
214	3488049.7	392736.9	17542.4	1315.1	-2932.1
215	3469981.7	394496.3	17832.1	1328.0	-2939.2
216	3451567.2	396251.1	18146.7	1340.8	-2946.0
217	3432832.8	398001.3	18440.7	1353.6	-2952.7
218	3413741.0	399745.9	18764.0	1366.3	-2958.4
219	3394327.6	401485.2	19059.4	1378.9	-2964.4
220	3374568.0	403218.7	19374.0	1391.4	-2969.7
221	3354463.5	404946.0	19687.8	1403.9	-2974.6
222	3334035.4	406667.3	19984.8	1416.3	-2979.5
223	3314047.4	408381.8	19690.8	1428.7	-2983.7
224	3307389.5	410087.6	9404.6	1438.2	-2983.5
225	3300513.4	411783.6	9601.2	1445.5	-2980.2
226	3293388.8	413469.6	9821.3	1452.7	-2976.6
227	3286009.3	415145.1	10046.4	1459.8	-2972.3
228	3278369.2	416814.6	10268.7	1464.5	-2970.6
229	3270497.6	418481.6	10462.4	1467.1	-2970.4
230	3262432.1	420145.6	10626.8	1469.6	-2969.6
231	3254201.4	421807.1	10768.8	1472.1	-2969.3
232	3245767.5	423464.9	10940.5	1474.5	-2967.8
233	3237143.5	425119.3	11101.8	1476.9	-2966.5
234	3228341.5	426770.1	11253.7	1479.2	-2964.9
235	3219338.2	428416.9	11423.6	1481.5	-2962.9
236	3210159.2	430059.9	11573.3	1483.7	-2961.2
237	3200774.7	431698.1	11746.6	1485.8	-2958.3
238	3194640.6	432761.9	11424.8	2129.8	-2955.9
239	3180725.7	433820.9	17849.2	2131.7	-2952.9
240	3166672.2	434874.9	17979.3	2133.6	-2949.5
241	3152485.0	435923.6	18105.3	2135.5	-2945.9
242	3138163.6	436967.3	18231.5	2137.3	-2942.5
243	3123696.2	438005.7	18367.3	2139.1	-2938.8
244	3109091.2	439038.2	18496.2	2140.8	-2934.4
245	3094329.8	440064.5	18640.7	2142.4	-2929.7
246	3079478.6	441079.9	18738.6	2147.0	-2922.7
247	3064465.1	442083.1	18898.0	2152.0	-2915.1
248	3072755.2	443074.1	-347.9	2157.0	-2907.2
249	3119410.4	444045.9	-32124.3	2143.8	-2876.4
250	3166122.3	444998.1	-32228.9	2128.2	-2843.0
251	3212915.3	445922.0	-32338.1	2117.8	-2805.3
252	3259653.4	446816.9	-32333.6	2107.8	-2767.5
253	3306328.2	447682.6	-32322.8	2097.7	-2729.3
254	3349711.1	449085.8	-29595.0	1450.8	-2692.1
255	3400640.6	450459.4	-35548.9	1441.4	-2654.2
256	3451608.4	451804.1	-35619.6	1431.9	-2616.8
257	3502584.1	453120.5	-35666.4	1422.3	-2579.9
258	3553545.2	454407.8	-35696.6	1412.7	-2542.4
259	3604528.5	455667.0	-35755.0	1403.1	-2505.8
260	3655486.4	456898.0	-35776.7	1393.4	-2468.9
261	3706423.3	458100.9	-35802.0	1383.7	-2432.2
262	3757339.3	459276.2	-35828.2	1373.8	-2395.8
263	3808255.4	460424.6	-35870.9	1363.7	-2359.9
264	3859111.5	461545.8	-35866.9	1353.6	-2323.8
265	3909957.6	462640.5	-35902.1	1343.5	-2288.2
266	3960751.9	463708.3	-35905.0	1333.3	-2252.4
267	4011498.4	464749.6	-35911.1	1323.0	-2216.7
268	4062193.9	465764.9	-35914.5	1312.8	-2181.5

269	4112834.5	466753.9	-35915.4	1302.4	-2146.1
270	4163419.9	467717.2	-35916.0	1292.1	-2111.3
271	4213920.8	468654.7	-35893.9	1281.7	-2076.2
272	4264371.7	469566.9	-35898.8	1271.2	-2041.6
273	4314744.0	470454.0	-35881.3	1260.8	-2007.2
274	4365038.0	471316.2	-35864.3	1250.2	-1972.9
275	4415217.2	472155.8	-35823.4	1238.2	-1939.6
276	4465350.8	472974.1	-35838.7	1225.6	-1907.1
277	4508819.3	473771.4	-30622.5	1212.9	-1874.8
278	4533476.8	474549.2	-15782.1	1205.8	-1848.9
279	4609501.2	424292.5	183000.0	59536.2	-2635.9
280	4136892.5	374031.5	183000.0	59501.2	-2600.4
281	3619285.0	374751.9	413377.5	1189.4	-1777.1
282	3639742.9	375453.5	-12545.0	1183.8	-1753.3
283	3660082.2	376136.7	-12472.1	1178.2	-1729.9
284	3680256.8	376800.9	-12363.3	1172.6	-1706.0
285	3700314.2	377446.7	-12291.9	1166.9	-1682.4
286	3720233.8	378074.3	-12204.2	1161.2	-1659.2
287	3740012.5	378683.5	-12114.3	1155.4	-1635.7
288	3759635.9	379274.3	-12013.3	1149.5	-1612.0
289	3779139.5	379847.2	-11940.1	1143.7	-1589.0
290	3798505.3	380402.5	-11852.9	1137.7	-1566.0
291	3817708.1	380939.5	-11746.0	1131.8	-1542.5
292	3836772.3	381458.8	-11658.4	1125.8	-1519.4
293	3855699.4	381960.7	-11572.0	1119.7	-1496.6
294	3874490.7	382445.3	-11486.8	1113.6	-1474.0
295	3893110.8	382912.2	-11373.8	1107.4	-1450.8
296	3911611.6	383364.2	-11306.2	1099.8	-1429.1
297	3930000.8	383803.3	-11248.4	1091.1	-1408.3
298	3948254.6	384229.1	-11171.9	1082.2	-1387.3
299	3966407.7	384641.9	-11123.1	1073.4	-1366.3
300	3984469.2	385042.0	-11081.7	1064.4	-1345.7
301	4002415.3	385429.2	-11021.6	1055.5	-1324.9
302	4020242.1	385803.6	-10958.4	1046.5	-1304.1
303	4037994.8	386165.9	-10931.2	1037.4	-1284.0
304	4055625.9	386515.7	-10866.4	1028.3	-1263.3
305	4073134.0	386853.1	-10800.7	1019.1	-1242.8
306	4090554.7	387178.5	-10763.5	1009.9	-1222.6
307	4107869.0	387491.9	-10711.1	1000.7	-1202.5
308	4125064.8	387793.3	-10649.3	991.4	-1182.1
309	4142160.4	388083.1	-10602.3	982.0	-1162.2
310	4159157.4	388361.2	-10556.6	972.6	-1142.3
311	4124944.1	388632.7	30402.5	964.3	-1128.1
312	4064804.7	388899.9	51212.4	977.1	-1135.3
313	4004525.6	389162.6	51382.9	989.8	-1142.0
314	3944120.9	389420.6	51541.9	1002.4	-1148.5
315	3883585.4	389673.5	51705.1	1015.0	-1154.6
316	3822906.4	389920.8	51879.0	1027.5	-1160.2
317	3762107.5	390162.5	52033.3	1040.0	-1165.6
318	3701194.6	390398.6	52182.3	1052.5	-1171.1
319	3640122.4	390627.1	52371.1	1065.6	-1175.2
320	3608299.3	390847.3	28928.8	1074.2	-1174.6
321	3577010.1	391060.0	28519.9	1077.3	-1169.7
322	3562938.1	340902.5	183000.0	58334.9	-1667.9
323	3084981.3	290755.2	183000.0	58315.3	-1660.5
324	2615628.2	240617.6	183000.0	58295.4	-1652.6
325	2154890.9	190488.9	183000.0	58277.0	-1645.2
326	1662059.9	190660.6	400082.6	1092.1	-1141.9
327	1647290.0	190823.5	15336.7	1094.9	-1135.6
328	1632430.9	190978.1	15422.5	1097.6	-1129.7
329	1617471.5	191123.9	15517.2	1100.3	-1123.4
330	1602411.6	191261.0	15611.9	1103.0	-1117.0
331	1656400.5	141175.4	183000.0	58170.7	-1593.9
332	1234264.1	91095.2	183000.0	58154.3	-1584.6
333	740376.3	91205.6	402021.7	1110.7	-1097.2
334	733501.6	91306.5	9058.3	1113.2	-1089.9
335	726536.7	91398.2	9141.7	1115.6	-1082.8
336	719488.3	91480.8	9219.4	1118.0	-1075.9
337	712352.5	91554.0	9300.5	1120.4	-1068.5
338	705129.3	91617.4	9381.3	1122.7	-1060.7
339	697827.6	91671.4	9454.7	1124.9	-1053.5

340	690446.3	91716.2	9528.9	1127.1	-1046.0
341	682984.9	91750.9	9603.5	1129.2	-1037.9
342	675447.3	91776.1	9674.7	1131.3	-1030.3
343	667835.5	91791.4	9744.3	1133.4	-1022.2
344	660149.8	91796.7	9813.5	1135.4	-1014.1
345	652394.9	91792.0	9878.7	1137.4	-1005.8
346	644570.8	91777.6	9943.8	1139.3	-997.7
347	636680.2	91753.0	10006.6	1141.2	-989.2
348	628728.2	91718.5	10065.0	1143.0	-980.9
349	620710.0	91673.4	10127.4	1144.8	-971.9
350	612633.7	91618.3	10183.0	1146.5	-963.5
351	604500.3	91552.8	10237.7	1148.2	-954.6
352	596314.8	91476.2	10290.2	1150.5	-945.6
353	588070.0	91388.0	10349.0	1152.9	-936.0
354	579770.2	91288.9	10403.6	1155.1	-927.1
355	571415.7	91177.9	10458.2	1157.4	-917.3
356	563009.5	91055.7	10510.0	1159.6	-908.0
357	554554.8	90922.0	10559.2	1161.7	-898.3
358	546056.8	90776.9	10604.0	1163.8	-888.9
359	537513.2	90620.2	10650.5	1165.9	-879.0
360	528929.4	90451.7	10692.5	1167.9	-869.1
361	520310.0	90271.9	10730.6	1169.8	-859.4
362	511654.4	90080.3	10769.2	1171.7	-849.4
363	502969.0	89877.3	10802.1	1173.6	-839.6
364	494252.5	89662.4	10836.2	1175.4	-829.4
365	485510.5	89435.7	10865.4	1177.2	-819.1
366	477698.9	89197.5	10113.8	1178.9	-809.2
367	470994.4	88948.7	9207.2	1177.5	-797.2
368	464261.2	88689.2	9227.8	1175.8	-785.2
369	457506.1	88419.6	9242.4	1174.1	-773.5
370	450734.9	88139.7	9252.3	1172.4	-761.7
371	443941.8	87849.4	9266.6	1170.6	-749.7
372	437131.8	87548.6	9276.9	1168.8	-737.6
373	430310.0	87237.4	9282.7	1167.0	-725.5
374	423476.3	86916.5	9288.4	1165.0	-714.1
375	416629.8	86585.0	9294.8	1163.1	-701.7
376	409777.4	86243.5	9295.2	1161.0	-690.0
377	402918.4	85891.8	9296.2	1159.0	-677.9
378	396056.1	85530.2	9294.1	1156.8	-666.2
379	389191.3	85158.8	9291.2	1154.7	-654.4
380	382326.9	84777.0	9286.0	1152.5	-642.1
381	375465.0	84385.5	9278.7	1150.2	-630.4
382	368608.2	83984.4	9269.0	1147.9	-618.7
383	361757.6	83573.4	9258.5	1145.5	-606.7
384	354914.5	83152.5	9246.5	1143.1	-594.7
385	348081.1	82722.2	9232.6	1140.6	-583.0
386	341261.3	82282.2	9215.4	1138.1	-571.1
387	334456.4	81832.8	9196.7	1135.6	-559.5
388	327666.2	81373.8	9178.2	1132.9	-547.6
389	320897.6	80905.7	9153.7	1130.3	-536.0
390	314146.6	80428.1	9132.4	1127.6	-524.2
391	307418.7	79941.2	9106.3	1124.8	-512.4
392	300715.7	79445.3	9078.6	1122.0	-500.9
393	294037.5	78940.2	9050.8	1119.1	-489.2
394	287390.5	78426.4	9017.4	1116.2	-477.8
395	280770.9	77903.4	8987.0	1113.2	-466.1
396	274184.3	77371.6	8951.9	1110.2	-454.5
397	267632.1	76831.1	8915.2	1107.2	-443.2
398	261114.2	76281.9	8878.7	1104.0	-431.7
399	254635.0	75724.1	8838.1	1100.9	-420.2
400	248195.9	75157.9	8796.2	1097.6	-409.0
401	241796.8	74583.3	8754.2	1094.4	-397.6
402	235443.9	74000.6	8706.9	1091.0	-386.6
403	229133.4	73409.6	8662.4	1087.7	-375.3
404	222870.8	72810.4	8613.4	1084.2	-364.1
405	216657.0	72203.4	8563.1	1080.7	-353.2
406	209746.6	71588.1	9132.8	1077.8	-342.2
407	202756.3	70963.7	9194.9	1076.0	-331.6
408	195834.8	70330.6	9133.4	1074.2	-321.2
409	188979.7	69688.4	9073.8	1072.3	-310.4
410	182197.8	69038.0	9008.2	1070.3	-300.4

411	175490.7	68378.6	8941.3	1068.3	-289.7
412	168858.3	67710.9	8874.0	1066.2	-279.6
413	162303.7	67034.7	8804.0	1064.1	-269.2
414	155829.0	66350.1	8732.0	1062.0	-258.9
415	149437.3	65657.2	8657.3	1059.8	-248.6
416	143128.6	64956.4	8582.2	1057.5	-238.7
417	136906.2	64247.4	8504.2	1055.2	-228.5
418	130771.6	63530.5	8424.8	1052.8	-218.4
419	124726.8	62805.7	8343.4	1050.4	-208.4
420	118774.1	62073.4	8259.8	1047.9	-198.7
421	112916.3	61333.5	8173.7	1045.4	-188.8
422	107152.9	60585.7	8088.0	1042.8	-178.7
423	101485.7	59830.7	8000.2	1040.2	-169.2
424	95920.0	59068.5	7907.9	1037.5	-159.5
425	90455.3	58299.3	7815.6	1034.8	-150.1
426	85092.6	57522.8	7722.5	1032.0	-140.3
427	79834.1	56739.4	7627.2	1029.1	-130.9
428	74681.6	55949.4	7530.0	1026.2	-121.7
429	69638.4	55152.3	7430.5	1023.4	-112.1
430	64705.6	54348.7	7330.0	1020.7	-103.2
431	59883.1	53538.2	7229.4	1017.9	-93.8
432	55172.4	52721.4	7127.2	1015.0	-84.9
433	50576.1	51898.2	7022.6	1012.1	-76.0
434	46095.4	51068.6	6916.9	1009.1	-66.8
435	41731.7	50233.1	6809.4	1006.1	-58.3
436	37486.3	49391.4	6700.9	1003.0	-49.4
437	33360.7	48544.2	6590.7	999.8	-41.0
438	29355.5	47691.1	6479.9	996.6	-32.3
439	25473.0	46832.5	6366.7	993.4	-23.9
440	21715.0	45968.5	6251.9	990.1	-15.6
441	18081.1	45099.4	6137.0	986.7	-7.5
442	14573.4	44225.3	6020.2	983.3	0.6
443	11192.9	43346.3	5902.2	979.8	8.5
444	7941.2	42462.3	5782.7	976.3	16.6
445	4819.2	41573.9	5662.1	972.7	24.3
446	1826.8	40681.1	5541.2	969.0	31.9
447	-1034.2	39784.1	5418.7	965.3	39.4
448	-3762.4	38882.8	5294.7	961.5	47.0
449	-6571.2	37977.9	5349.5	957.5	54.3
450	-9256.0	37070.7	5227.3	951.9	61.6
451	-11795.8	36161.1	5086.8	946.3	68.9
452	-14189.9	35249.5	4945.7	940.5	76.0
453	-16438.6	34336.1	4804.5	934.8	83.0
454	-18540.3	33420.7	4661.6	929.0	90.1
455	-20495.4	32503.8	4518.7	923.1	96.8
456	-22302.9	31585.2	4374.8	917.1	103.7
457	-23964.5	30665.5	4231.9	911.1	110.3
458	-25478.1	29744.5	4087.1	905.1	116.9
459	-26844.6	28822.6	3942.6	898.9	123.3
460	-28063.3	27899.8	3797.4	892.7	129.7
461	-29134.5	26976.3	3652.0	886.4	136.0
462	-30058.7	26052.3	3506.8	880.1	142.0
463	-30812.0	25125.2	3352.6	877.4	147.6
464	-31405.9	24194.0	3210.5	875.6	153.3
465	-31847.7	23259.4	3074.3	873.7	158.4
466	-32135.1	22321.4	2935.8	871.7	163.6
467	-32269.7	21380.3	2798.4	869.7	168.4
468	-32247.9	20436.1	2657.8	867.6	173.5
469	-32072.7	19489.3	2519.2	865.4	177.9
470	-31742.0	18540.0	2378.7	863.2	182.4
471	-31256.0	17588.3	2238.1	861.0	186.7
472	-30615.6	16634.8	2097.9	858.6	190.7
473	-29818.4	15679.3	1955.3	856.3	194.8
474	-28866.4	14722.1	1814.2	853.8	198.6
475	-27760.8	13763.8	1673.8	851.3	202.0
476	-25205.1	12804.2	428.7	848.8	205.6
477	-21488.7	11879.3	-664.9	815.5	200.4
478	-18154.0	10992.3	-450.9	780.1	194.0
479	-15169.9	10143.9	-263.5	744.6	186.9
480	-12517.3	9334.9	-92.2	708.9	179.1
481	-10177.7	8566.4	62.6	673.0	170.6

482	-8525.2	7841.3	527.7	633.9	161.9
483	-7629.6	7142.6	1091.3	607.4	159.0
484	-6763.6	6467.0	1044.3	584.3	156.5
485	-5942.6	5814.8	1010.2	561.0	153.8
486	-5166.5	5186.5	975.7	537.5	150.7
487	-4434.7	4582.7	940.3	513.9	147.2
488	-3746.7	4003.8	904.2	490.2	143.4
489	-3101.7	3450.1	867.0	466.4	139.3
490	-2499.2	2922.2	829.2	442.4	134.9
491	-1938.9	2420.6	790.8	418.2	130.1
492	-1420.0	1945.7	751.5	393.9	124.9
493	-867.8	1498.1	647.6	369.5	119.4
494	-437.0	1105.8	607.1	322.1	106.1
495	-162.4	771.5	591.9	273.1	91.6
496	-10.2	496.1	547.3	223.9	76.5
497	50.6	280.4	475.9	174.5	60.7
498	51.1	125.2	377.2	124.9	44.2
499	23.4	31.5	250.7	75.1	27.0
500	0.0	0.0	95.9	25.1	9.2

Σ				1159045.6	-1022565.0

VERIFICA STABILITA' DEI PENDII

 Sezione D-D - Condizione Statica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici : 0.000
 Coefficiente sismico verticale : 0.000
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Pendio	1	157.930	152.670
Pendio	2	164.620	154.160
Pendio	3	174.950	158.440
Pendio	4	185.100	162.660
Pendio	5	194.450	164.980
Pendio	6	199.910	165.400
Pendio	7	204.620	165.740
Pendio	8	210.380	165.740
Pendio	9	215.190	165.620
Pendio	10	219.310	165.100
Pendio	11	229.590	163.330
Pendio	12	234.490	162.530
Pendio	13	239.590	159.330
Pendio	14	244.820	155.730
Pendio	15	259.880	144.670
Pendio	16	264.870	141.300
Pendio	17	273.620	141.130
Pendio	18	274.400	141.200
Pendio	19	275.570	140.740
Pendio	20	278.790	139.170
Pendio	21	279.990	138.830
Pendio	22	287.420	135.790
Pendio	23	290.600	135.790
Pendio	24	292.970	135.790
Pendio	25	293.780	135.330
Pendio	26	296.680	134.510
Pendio	27	298.130	134.510
Pendio	28	302.170	133.520
Pendio	29	304.390	133.520
Pendio	30	307.540	133.530
Pendio	31	313.940	132.780
Pendio	32	325.860	132.780
Pendio	33	329.440	132.880
Pendio	34	334.280	132.850
Pendio	35	335.790	132.840
Pendio	36	337.180	132.850
Pendio	37	338.000	132.460
Pendio	38	339.450	132.460
Pendio	39	340.350	131.750
Pendio	40	341.960	131.470
Pendio	41	348.250	128.710
Pendio	42	361.980	125.500
Pendio	43	368.840	124.040
Pendio	44	381.880	119.900
Pendio	45	388.110	117.780
Pendio	46	403.570	113.710
Pendio	47	409.200	112.120
Pendio	48	411.530	111.270

Pendio	49	418.570	108.830
Pendio	50	419.770	108.760
Pendio	51	425.850	106.850
Pendio	52	427.300	106.320
Pendio	53	428.650	106.000
Pendio	54	429.750	105.970
Pendio	55	442.760	102.400
Pendio	56	449.590	101.650
Pendio	57	453.120	101.140
Pendio	58	465.150	100.660
Pendio	59	479.630	97.760
Pendio	60	485.770	97.440
2	1	162.550	153.699
2	2	162.550	152.360
2	3	164.540	152.960
2	4	169.820	155.130
2	5	174.830	157.210
2	6	185.160	161.610
2	7	189.760	162.810
2	8	194.610	163.860
2	9	199.570	164.300
2	10	204.460	164.570
2	11	214.830	164.500
2	12	229.940	162.110
2	13	234.370	161.290
2	14	239.580	158.210
2	15	244.880	154.290
2	16	249.890	150.770
2	17	259.900	143.480
2	18	262.450	141.810
2	19	262.450	142.934
3	1	163.100	152.526
3	2	163.100	151.870
3	3	175.210	147.870
3	4	179.640	146.730
3	5	182.350	146.000
3	6	185.030	145.570
3	7	190.000	143.750
3	8	195.210	141.590
3	9	199.810	140.270
3	10	204.790	138.490
3	11	208.220	138.270
3	12	212.270	138.350
3	13	215.790	138.350
3	14	219.830	138.430
3	15	224.840	138.830
3	16	229.880	139.270
3	17	239.620	140.190
3	18	244.540	140.510
3	19	254.270	140.950
3	20	259.240	140.910
3	21	261.760	141.470
3	22	261.760	142.262
4	1	163.340	151.791
4	2	163.340	150.540
4	3	171.810	147.790
4	4	174.980	146.940
4	5	180.070	145.360
4	6	184.870	144.460
4	7	189.950	142.710
4	8	198.050	139.680
4	9	204.340	137.630
4	10	207.260	137.430
4	11	214.950	137.310
4	12	222.920	137.590
4	13	224.920	137.710
4	14	229.990	138.060
4	15	238.570	138.910
4	16	241.620	139.270
4	17	246.740	139.750
4	18	254.350	139.870

4	19	259.350	139.950
4	20	263.800	141.230
4	21	263.800	142.023
5	1	259.740	140.062
5	2	259.740	139.470
5	3	264.420	135.660
5	4	286.720	135.660
5	5	286.720	136.076
6	1	163.420	150.514
6	2	163.420	140.940
6	3	181.800	136.900
6	4	184.470	136.200
6	5	186.750	135.900
6	6	204.490	132.450
6	7	210.820	131.540
6	8	214.330	131.010
6	9	222.130	130.420
6	10	239.390	130.360
6	11	244.870	130.800
6	12	254.220	130.800
6	13	259.180	130.340
6	14	264.010	130.340
6	15	266.770	129.720
6	16	269.900	129.810
6	17	272.690	129.280
6	18	275.820	127.350
6	19	285.000	124.090
6	20	288.590	124.044
6	21	288.590	135.790
7	1	288.590	124.044
7	2	288.590	117.790
7	3	289.210	117.790
7	4	289.210	135.790
8	1	289.210	135.790
8	2	289.210	124.038
8	3	290.020	124.020
8	4	290.950	123.752
8	5	290.950	135.790
9	1	290.950	123.752
9	2	290.950	105.790
9	3	292.250	105.790
9	4	292.250	123.557
10	1	292.250	135.790
10	2	292.250	123.557
10	3	300.300	121.540
10	4	308.620	121.450
10	5	312.370	120.870
10	6	336.320	120.870
10	7	342.710	118.000
10	8	343.990	117.560
10	9	351.790	115.480
10	10	353.900	115.240
10	11	356.710	114.420
10	12	358.820	114.190
10	13	365.650	112.310
10	14	372.800	110.020
10	15	373.680	110.080
10	16	377.670	108.500
10	17	379.220	108.350
10	18	385.060	105.980
10	19	385.640	106.300
10	20	388.690	105.220
10	21	395.490	103.280
10	22	398.830	102.700
10	23	400.710	102.140
10	24	402.490	101.640
10	25	405.020	101.060
10	26	407.180	100.380
10	27	408.560	99.910
10	28	410.170	98.920
10	29	411.640	98.540

10	30	413.160	98.150
10	31	415.190	97.450
10	32	417.270	96.810
10	33	418.530	96.750
10	34	419.640	96.400
10	35	422.160	95.430
10	36	424.120	95.050
10	37	424.120	107.393

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
6	Fila 3	2500.0	18.30	0.00	1.00
7	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
8	Fila 4	2500.0	18.30	0.00	1.00
9	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
10	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	321.31	228.37	107.75
2	302.43	204.45	81.51
3	332.33	263.51	142.65
4	310.66	214.53	92.89
5	307.14	231.01	107.71
6	340.34	309.32	189.08
7	312.19	227.21	106.49
8	312.78	239.49	118.22

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y

CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des

RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	321.31	228.37	107.75	2.831	1
2	302.43	204.45	81.51	2.161	1
3	332.33	263.51	142.65	2.654	1
4	310.66	214.53	92.89	2.422	1
5	307.14	231.01	107.71	1.916	1
6	340.34	309.32	189.08	2.048	1
7	312.19	227.21	106.49	2.178	1
8	312.78	239.49	118.22	1.996	1

CERCHIO CRITICO N° 5
 Larghezza del concio.....=0.245
 Situazione di carico numero 1
 Coefficiente di sicurezza F =1.916
 Coefficiente di forma =0.16360
 Coefficiente F/Fo =1.07847
 Numero iterazioni = 2
 Precisione =0.00250

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-51.81	0.397	0.120	19.6	62.9	0.0
2	-51.60	0.395	0.120	19.6	187.9	0.0
3	-51.39	0.393	0.120	19.6	311.9	0.0
4	-51.18	0.391	0.120	19.6	434.7	0.0
5	-50.98	0.389	0.120	19.6	556.5	0.0
6	-50.77	0.388	0.008	19.6	646.9	0.0
7	-50.56	0.386	0.008	19.6	728.3	0.0
8	-50.36	0.384	0.008	19.6	809.0	0.0
9	-50.16	0.383	0.008	19.6	889.0	0.0
10	-49.95	0.381	0.008	19.6	968.4	0.0
11	-49.75	0.380	0.008	19.6	1047.1	0.0
12	-49.55	0.378	0.008	19.6	1125.1	0.0
13	-49.35	0.376	0.008	19.6	1202.5	0.0
14	-49.15	0.375	0.008	19.6	1279.2	0.0
15	-48.95	0.373	0.008	19.6	1355.3	0.0
16	-48.75	0.372	0.008	19.6	1430.8	0.0
17	-48.55	0.370	0.008	19.6	1505.7	0.0
18	-48.36	0.369	0.008	19.6	1579.9	0.0
19	-48.16	0.368	0.008	19.6	1653.5	0.0
20	-47.97	0.366	0.008	19.6	1726.6	0.0
21	-47.77	0.365	0.008	19.6	1799.0	0.0
22	-47.58	0.363	0.008	19.6	1870.9	0.0
23	-47.39	0.362	0.008	19.6	1942.1	0.0
24	-47.19	0.361	0.008	19.6	2012.8	0.0
25	-47.00	0.360	0.008	19.6	2083.0	0.0
26	-46.81	0.358	0.008	19.6	2152.6	0.0
27	-46.62	0.357	0.008	19.6	2221.6	0.0
28	-46.43	0.356	0.008	19.6	2290.0	0.0
29	-46.24	0.355	0.008	19.6	2358.0	0.0
30	-46.05	0.353	0.008	19.6	2425.4	0.0
31	-45.87	0.352	0.008	19.6	2493.2	0.0
32	-45.68	0.351	0.008	19.6	2561.1	0.0
33	-45.49	0.350	0.008	19.6	2628.9	0.0
34	-45.31	0.349	0.008	19.6	2696.2	0.0
35	-45.12	0.348	0.008	19.6	2763.0	0.0
36	-44.94	0.346	0.008	19.6	2829.3	0.0
37	-44.75	0.345	0.008	19.6	2895.0	0.0
38	-44.57	0.344	0.008	19.6	2960.3	0.0
39	-44.39	0.343	0.008	19.6	3025.1	0.0
40	-44.20	0.342	0.008	19.6	3089.3	0.0
41	-44.02	0.341	0.008	19.6	3153.1	0.0
42	-43.84	0.340	0.008	19.6	3216.5	0.0
43	-43.66	0.339	0.008	19.6	3279.3	0.0
44	-43.48	0.338	0.008	19.6	3341.7	0.0
45	-43.30	0.337	0.008	19.6	3403.6	0.0
46	-43.12	0.336	0.008	19.6	3465.1	0.0
47	-42.95	0.335	0.008	19.6	3526.0	0.0
48	-42.77	0.334	0.008	19.6	3586.6	0.0
49	-42.59	0.333	0.008	19.6	3646.7	0.0
50	-42.41	0.332	0.008	19.6	3712.6	0.0
51	-42.23	0.331	0.008	19.6	3733.4	0.0
52	-42.06	0.330	0.008	19.6	3753.8	0.0
53	-41.88	0.329	0.008	19.6	3773.7	0.0
54	-41.71	0.328	0.008	19.6	3793.3	0.0
55	-41.53	0.328	0.008	19.6	3812.3	0.0
56	-41.36	0.327	0.008	19.6	3831.0	0.0
57	-41.19	0.326	0.008	19.6	3849.3	0.0
58	-41.01	0.325	0.008	19.6	3867.1	0.0

59	-40.84	0.324	0.008	19.6	3884.5	0.0
60	-40.67	0.323	0.008	19.6	3901.5	0.0
61	-40.50	0.322	0.008	19.6	3918.1	0.0
62	-40.33	0.322	0.008	19.6	3934.3	0.0
63	-40.16	0.321	0.008	19.6	3950.1	0.0
64	-39.98	0.320	0.008	19.6	3965.5	0.0
65	-39.81	0.319	0.008	19.6	3980.5	0.0
66	-39.65	0.318	0.008	19.6	3995.1	0.0
67	-39.48	0.318	0.008	19.6	4009.3	0.0
68	-39.31	0.317	0.008	19.6	4023.2	0.0
69	-39.14	0.316	0.008	19.6	4036.6	0.0
70	-38.97	0.315	0.008	19.6	4049.7	0.0
71	-38.80	0.315	0.008	19.6	4062.2	0.0
72	-38.64	0.314	0.008	19.6	4072.9	0.0
73	-38.47	0.313	0.008	19.6	4083.3	0.0
74	-38.30	0.312	0.008	19.6	4093.2	0.0
75	-38.14	0.312	0.008	19.6	4102.8	0.0
76	-37.97	0.311	0.008	19.6	4112.1	0.0
77	-37.81	0.310	0.008	19.6	4121.0	0.0
78	-37.64	0.310	0.008	19.6	4129.5	0.0
79	-37.48	0.309	0.008	19.6	4137.6	0.0
80	-37.31	0.308	0.008	19.6	4145.4	0.0
81	-37.15	0.308	0.008	19.6	4152.8	0.0
82	-36.98	0.307	0.008	19.6	4159.9	0.0
83	-36.82	0.306	0.008	19.6	4166.7	0.0
84	-36.66	0.306	0.008	19.6	4173.1	0.0
85	-36.49	0.305	0.008	19.6	4179.1	0.0
86	-36.33	0.304	0.008	19.6	4184.8	0.0
87	-36.17	0.304	0.008	19.6	4190.2	0.0
88	-36.01	0.303	0.008	19.6	4195.2	0.0
89	-35.85	0.303	0.008	19.6	4199.9	0.0
90	-35.69	0.302	0.008	19.6	4204.3	0.0
91	-35.53	0.301	0.008	19.6	4208.3	0.0
92	-35.37	0.301	0.008	19.6	4212.0	0.0
93	-35.21	0.300	0.008	19.6	4209.8	0.0
94	-35.05	0.300	0.008	19.6	4206.2	0.0
95	-34.89	0.299	0.008	19.6	4202.4	0.0
96	-34.73	0.298	0.008	19.6	4198.2	0.0
97	-34.57	0.298	0.008	19.6	4193.6	0.0
98	-34.42	0.297	0.008	19.6	4188.8	0.0
99	-34.26	0.297	0.008	19.6	4183.6	0.0
100	-34.10	0.296	0.008	19.6	4178.2	0.0
101	-33.94	0.296	0.008	19.6	4172.4	0.0
102	-33.79	0.295	0.008	19.6	4166.3	0.0
103	-33.63	0.294	0.008	19.6	4159.9	0.0
104	-33.47	0.294	0.008	19.6	4153.2	0.0
105	-33.31	0.293	0.008	19.6	4146.1	0.0
106	-33.16	0.293	0.008	19.6	4138.8	0.0
107	-33.01	0.292	0.000	11.3	4132.5	0.0
108	-32.85	0.292	0.000	11.3	4149.5	0.0
109	-32.69	0.291	0.000	11.3	4166.1	0.0
110	-32.54	0.291	0.000	11.3	4182.3	0.0
111	-32.38	0.290	0.000	11.3	4198.1	0.0
112	-32.23	0.290	0.000	11.3	4213.4	0.0
113	-32.08	0.289	0.000	13.7	4228.5	0.0
114	-31.92	0.289	0.000	13.7	4243.9	0.0
115	-31.77	0.288	0.000	13.7	4258.8	0.0
116	-31.61	0.288	0.000	13.7	4273.4	0.0
117	-31.46	0.287	0.000	13.7	4287.5	0.0
118	-31.31	0.287	0.000	13.7	4301.2	0.0
119	-31.16	0.287	0.000	13.7	4314.5	0.0
120	-31.00	0.286	0.000	13.7	4327.3	0.0
121	-30.85	0.286	0.000	13.7	4339.8	0.0
122	-30.70	0.285	0.000	13.7	4351.8	0.0
123	-30.55	0.285	0.000	13.7	4363.5	0.0
124	-30.40	0.284	0.000	13.7	4374.7	0.0
125	-30.25	0.284	0.000	13.7	4385.5	0.0
126	-30.10	0.283	0.000	13.7	4395.9	0.0
127	-29.95	0.283	0.000	13.7	4405.9	0.0
128	-29.80	0.283	0.000	13.7	4415.6	0.0
129	-29.65	0.282	0.000	13.7	4424.8	0.0

130	-29.49	0.282	0.000	13.7	4433.6	0.0
131	-29.35	0.281	0.000	13.7	4441.3	0.0
132	-29.20	0.281	0.000	13.7	4447.5	0.0
133	-29.05	0.280	0.000	13.7	4453.2	0.0
134	-28.90	0.280	0.000	13.7	4458.5	0.0
135	-28.75	0.280	0.000	13.7	4463.5	0.0
136	-28.60	0.279	0.000	13.7	4468.0	0.0
137	-28.45	0.279	0.000	13.7	4472.2	0.0
138	-28.30	0.278	0.000	13.7	4476.0	0.0
139	-28.15	0.278	0.000	13.7	4479.4	0.0
140	-28.01	0.278	0.000	13.7	4482.4	0.0
141	-27.86	0.277	0.000	13.7	4485.1	0.0
142	-27.71	0.277	0.000	13.7	4487.4	0.0
143	-27.56	0.277	0.000	13.7	4489.3	0.0
144	-27.42	0.276	0.000	13.7	4490.8	0.0
145	-27.27	0.276	0.000	13.7	4492.0	0.0
146	-27.12	0.275	0.000	13.7	4492.8	0.0
147	-26.98	0.275	0.000	13.7	4493.2	0.0
148	-26.83	0.275	0.000	13.7	4493.2	0.0
149	-26.68	0.274	0.000	13.7	4492.9	0.0
150	-26.54	0.274	0.000	13.7	4492.2	0.0
151	-26.39	0.274	0.000	13.7	4491.9	0.0
152	-26.25	0.273	0.000	13.7	4498.8	0.0
153	-26.10	0.273	0.000	13.7	4505.4	0.0
154	-25.96	0.273	0.000	13.7	4513.7	0.0
155	-25.81	0.272	0.000	13.7	4523.6	0.0
156	-25.67	0.272	0.000	13.7	4533.2	0.0
157	-25.52	0.272	0.000	13.7	4542.4	0.0
158	-25.38	0.271	0.000	13.7	4551.3	0.0
159	-25.23	0.271	0.000	13.7	4559.8	0.0
160	-25.09	0.271	0.000	13.7	4567.9	0.0
161	-24.95	0.270	0.000	13.7	4575.7	0.0
162	-24.80	0.270	0.000	13.7	4674.2	0.0
163	-24.66	0.270	0.000	13.7	4649.6	0.0
164	-24.52	0.269	0.000	13.7	4624.7	0.0
165	-24.37	0.269	0.000	13.7	4599.5	0.0
166	-24.23	0.269	0.000	13.7	4574.0	0.0
167	-24.09	0.269	0.000	13.7	4548.1	0.0
168	-23.94	0.268	0.000	13.7	4521.8	0.0
169	-23.80	0.268	0.000	13.7	4495.2	0.0
170	-23.66	0.268	0.000	13.7	4468.3	0.0
171	-23.52	0.267	0.000	13.7	4441.0	0.0
172	-23.37	0.267	0.000	13.7	4413.4	0.0
173	-23.23	0.267	0.000	13.7	4385.5	0.0
174	-23.09	0.267	0.000	13.7	4366.4	0.0
175	-22.95	0.266	0.000	13.7	4412.7	0.0
176	-22.80	0.266	0.000	13.7	4458.6	0.0
177	-22.67	0.266	0.000	13.7	4504.3	0.0
178	-22.52	0.265	0.000	13.7	4549.6	0.0
179	-22.38	0.265	0.000	13.7	4594.6	0.0
180	-22.24	0.265	0.000	13.7	4639.2	0.0
181	-22.10	0.265	0.000	13.7	4683.6	0.0
182	-21.96	0.264	0.000	13.7	4727.6	0.0
183	-21.82	0.264	0.000	13.7	4771.3	0.0
184	-21.68	0.264	0.000	13.7	4814.6	0.0
185	-21.54	0.264	0.000	13.7	4857.6	0.0
186	-21.40	0.263	0.000	13.7	4900.3	0.0
187	-21.26	0.263	0.000	13.7	4942.7	0.0
188	-21.12	0.263	0.000	13.7	4984.8	0.0
189	-20.98	0.263	0.000	13.7	5026.5	0.0
190	-20.84	0.262	0.000	13.7	5067.9	0.0
191	-20.70	0.262	0.000	13.7	5109.0	0.0
192	-20.56	0.262	0.000	13.7	5149.8	0.0
193	-20.42	0.262	0.000	13.7	5190.3	0.0
194	-20.28	0.261	0.000	13.7	5230.4	0.0
195	-20.14	0.261	0.000	13.7	5270.3	0.0
196	-20.01	0.261	0.000	13.7	5309.8	0.0
197	-19.87	0.261	0.000	13.7	5349.0	0.0
198	-19.73	0.260	0.176	14.5	5387.9	0.0
199	-19.59	0.260	0.176	14.5	5426.5	0.0
200	-19.45	0.260	0.176	14.5	5464.8	0.0

201	-19.31	0.260	0.176	14.5	5502.7	0.0
202	-19.17	0.260	0.176	14.5	5540.4	0.0
203	-19.04	0.259	0.176	14.5	5577.7	0.0
204	-18.90	0.259	0.176	14.5	5614.8	0.0
205	-18.76	0.259	0.176	14.5	5651.5	0.0
206	-18.62	0.259	0.176	14.5	5687.9	0.0
207	-18.48	0.259	0.176	14.5	5724.0	0.0
208	-18.35	0.258	0.176	14.5	5759.9	0.0
209	-18.21	0.258	0.176	14.5	5795.4	0.0
210	-18.07	0.258	0.176	14.5	5836.0	0.0
211	-17.94	0.258	0.000	13.7	5883.4	0.0
212	-17.80	0.258	0.000	13.7	5930.5	0.0
213	-17.66	0.257	0.000	13.7	5963.2	0.0
214	-17.52	0.257	0.000	13.7	5954.5	0.0
215	-17.39	0.257	0.000	13.7	5945.5	0.0
216	-17.25	0.257	0.000	13.7	5936.2	0.0
217	-17.12	0.257	0.000	13.7	5926.6	0.0
218	-16.98	0.256	0.000	13.7	5911.5	0.0
219	-16.84	0.256	0.000	13.7	5890.5	0.0
220	-16.71	0.256	0.000	13.7	5869.3	0.0
221	-16.57	0.256	0.000	13.7	5847.7	0.0
222	-16.43	0.256	0.000	13.7	5825.9	0.0
223	-16.30	0.255	0.000	13.7	5803.7	0.0
224	-16.16	0.255	0.000	13.7	5781.3	0.0
225	-16.02	0.255	0.000	13.7	5758.5	0.0
226	-15.89	0.255	0.000	13.7	5735.5	0.0
227	-15.75	0.255	0.000	13.7	5712.2	0.0
228	-15.62	0.255	0.000	13.7	5688.6	0.0
229	-15.48	0.254	0.000	13.7	5664.6	0.0
230	-15.35	0.254	0.000	13.7	5640.4	0.0
231	-15.21	0.254	0.000	13.7	5624.2	0.0
232	-15.08	0.254	0.000	13.7	5622.7	0.0
233	-14.94	0.254	0.000	13.7	5621.0	0.0
234	-14.81	0.254	0.000	13.7	5619.0	0.0
235	-14.67	0.253	0.000	13.7	5616.6	0.0
236	-14.54	0.253	0.000	13.7	5607.5	0.0
237	-14.40	0.253	0.000	13.7	5590.2	0.0
238	-14.27	0.253	0.000	13.7	5572.7	0.0
239	-14.13	0.253	0.000	13.7	5554.8	0.0
240	-14.00	0.253	0.000	13.7	5536.7	0.0
241	-13.86	0.253	0.000	13.7	5518.3	0.0
242	-13.73	0.252	0.000	13.7	5499.6	0.0
243	-13.60	0.252	0.000	13.7	5480.7	0.0
244	-13.46	0.252	0.000	13.7	5461.4	0.0
245	-13.33	0.252	0.000	13.7	5441.9	0.0
246	-13.19	0.252	0.000	13.7	5422.1	0.0
247	-13.06	0.252	0.000	13.7	5402.0	0.0
248	-12.93	0.252	0.000	13.7	5381.6	0.0
249	-12.79	0.251	0.000	13.7	5361.0	0.0
250	-12.66	0.251	0.000	13.7	5340.0	0.0
251	-12.52	0.251	0.000	13.7	5318.8	0.0
252	-12.39	0.251	0.000	13.7	5297.3	0.0
253	-12.26	0.251	0.000	13.7	5275.5	0.0
254	-12.12	0.251	0.000	13.7	5253.5	0.0
255	-11.99	0.251	0.000	13.7	5231.1	0.0
256	-11.86	0.251	0.000	13.7	5208.5	0.0
257	-11.73	0.250	0.000	13.7	5185.6	0.0
258	-11.59	0.250	0.000	13.7	5162.5	0.0
259	-11.46	0.250	0.000	13.7	5139.0	0.0
260	-11.33	0.250	0.000	13.7	5115.3	0.0
261	-11.19	0.250	0.000	13.7	5091.3	0.0
262	-11.06	0.250	0.000	13.7	5067.0	0.0
263	-10.93	0.250	0.000	13.7	5042.5	0.0
264	-10.79	0.250	0.000	13.7	5017.7	0.0
265	-10.66	0.249	0.000	13.7	4992.6	0.0
266	-10.53	0.249	0.000	13.7	4974.4	0.0
267	-10.40	0.249	0.000	13.7	4995.5	0.0
268	-10.26	0.249	0.000	13.7	5016.3	0.0
269	-10.13	0.249	0.000	13.7	5036.9	0.0
270	-10.00	0.249	0.000	13.7	5057.2	0.0
271	-9.87	0.249	18.300	0.0	6680.5	0.0

272	-9.73	0.249	18.300	0.0	6706.4	0.0
273	-9.60	0.249	18.300	0.0	6732.0	0.0
274	-9.47	0.249	0.000	13.7	5135.5	0.0
275	-9.34	0.248	0.000	13.7	5154.5	0.0
276	-9.21	0.248	0.000	13.7	5173.1	0.0
277	-9.07	0.248	0.000	13.7	5191.5	0.0
278	-8.94	0.248	0.000	13.7	5209.6	0.0
279	-8.81	0.248	0.000	13.7	5227.4	0.0
280	-8.68	0.248	0.000	13.7	5245.0	0.0
281	-8.54	0.248	18.300	0.0	6924.1	0.0
282	-8.41	0.248	18.300	0.0	6946.5	0.0
283	-8.28	0.248	18.300	0.0	6968.5	0.0
284	-8.15	0.248	18.300	0.0	6990.2	0.0
285	-8.02	0.248	18.300	0.0	7011.6	0.0
286	-7.89	0.248	0.000	13.7	5344.7	0.0
287	-7.75	0.247	0.000	13.7	5360.4	0.0
288	-7.62	0.247	0.000	13.7	5375.9	0.0
289	-7.49	0.247	0.000	13.7	5357.3	0.0
290	-7.36	0.247	0.000	13.7	5307.4	0.0
291	-7.23	0.247	0.000	13.7	5257.1	0.0
292	-7.10	0.247	0.000	13.7	5213.6	0.0
293	-6.97	0.247	0.000	13.7	5195.4	0.0
294	-6.83	0.247	0.000	13.7	5176.9	0.0
295	-6.70	0.247	0.000	13.7	5158.2	0.0
296	-6.57	0.247	0.000	13.7	5139.2	0.0
297	-6.44	0.247	0.000	13.7	5119.9	0.0
298	-6.31	0.247	0.000	13.7	5100.4	0.0
299	-6.18	0.247	0.000	13.7	5080.6	0.0
300	-6.05	0.247	0.000	13.7	5060.5	0.0
301	-5.92	0.246	0.000	13.7	5040.2	0.0
302	-5.78	0.246	0.000	13.7	5019.6	0.0
303	-5.65	0.246	0.000	13.7	4998.7	0.0
304	-5.52	0.246	0.000	13.7	4990.1	0.0
305	-5.39	0.246	0.000	13.7	5001.0	0.0
306	-5.26	0.246	0.000	13.7	5011.7	0.0
307	-5.13	0.246	0.000	13.7	5022.1	0.0
308	-5.00	0.246	0.000	13.7	5032.2	0.0
309	-4.87	0.246	0.000	13.7	5042.1	0.0
310	-4.74	0.246	0.000	13.7	5038.4	0.0
311	-4.61	0.246	0.000	13.7	5019.7	0.0
312	-4.47	0.246	0.000	13.7	5000.8	0.0
313	-4.34	0.246	0.000	13.7	4981.6	0.0
314	-4.21	0.246	0.000	13.7	4962.2	0.0
315	-4.08	0.246	0.000	13.7	4942.4	0.0
316	-3.95	0.246	0.000	13.7	4922.5	0.0
317	-3.82	0.246	0.000	13.7	4902.2	0.0
318	-3.69	0.246	0.000	13.7	4881.8	0.0
319	-3.56	0.246	0.000	13.7	4861.0	0.0
320	-3.43	0.246	0.000	13.7	4840.0	0.0
321	-3.30	0.246	0.000	13.7	4818.7	0.0
322	-3.17	0.246	0.000	13.7	4797.2	0.0
323	-3.04	0.246	0.000	13.7	4775.4	0.0
324	-2.91	0.245	0.000	13.7	4753.3	0.0
325	-2.78	0.245	0.000	13.7	4731.0	0.0
326	-2.64	0.245	0.000	13.7	4708.4	0.0
327	-2.52	0.245	0.000	13.7	4713.5	0.0
328	-2.38	0.245	0.000	13.7	4718.4	0.0
329	-2.25	0.245	0.000	13.7	4723.0	0.0
330	-2.12	0.245	0.000	13.7	4727.4	0.0
331	-1.99	0.245	0.000	13.7	4731.5	0.0
332	-1.86	0.245	0.000	13.7	4735.3	0.0
333	-1.73	0.245	0.000	13.7	4738.9	0.0
334	-1.60	0.245	0.000	13.7	4742.2	0.0
335	-1.47	0.245	0.000	13.7	4745.3	0.0
336	-1.34	0.245	0.000	13.7	4748.4	0.0
337	-1.21	0.245	0.000	13.7	4751.3	0.0
338	-1.08	0.245	0.000	13.7	4754.0	0.0
339	-0.95	0.245	0.000	13.7	4756.3	0.0
340	-0.82	0.245	0.000	13.7	4758.5	0.0
341	-0.69	0.245	0.000	13.7	4760.3	0.0
342	-0.56	0.245	0.000	13.7	4761.9	0.0

343	-0.43	0.245	0.000	13.7	4763.3	0.0
344	-0.30	0.245	0.000	13.7	4764.4	0.0
345	-0.17	0.245	0.000	13.7	4765.2	0.0
346	-0.04	0.245	0.000	13.7	4765.7	0.0
347	0.09	0.245	0.000	13.7	4766.0	0.0
348	0.23	0.245	0.000	13.7	4764.8	0.0
349	0.35	0.245	0.000	13.7	4750.8	0.0
350	0.49	0.245	0.000	13.7	4736.6	0.0
351	0.62	0.245	0.000	13.7	4722.1	0.0
352	0.75	0.245	0.000	13.7	4707.3	0.0
353	0.88	0.245	0.000	13.7	4692.3	0.0
354	1.01	0.245	0.000	13.7	4677.1	0.0
355	1.14	0.245	0.000	13.7	4661.5	0.0
356	1.27	0.245	0.000	13.7	4645.7	0.0
357	1.40	0.245	0.000	13.7	4629.7	0.0
358	1.53	0.245	0.000	13.7	4613.4	0.0
359	1.66	0.245	0.000	13.7	4596.8	0.0
360	1.79	0.245	0.000	13.7	4580.0	0.0
361	1.92	0.245	0.000	13.7	4562.9	0.0
362	2.05	0.245	0.000	13.7	4545.6	0.0
363	2.18	0.245	0.000	13.7	4528.0	0.0
364	2.31	0.245	0.000	13.7	4510.1	0.0
365	2.44	0.245	0.000	13.7	4492.0	0.0
366	2.57	0.245	0.000	13.7	4473.6	0.0
367	2.70	0.245	0.000	13.7	4454.9	0.0
368	2.84	0.245	0.000	13.7	4436.0	0.0
369	2.97	0.246	0.000	13.7	4416.8	0.0
370	3.10	0.246	0.000	13.7	4397.4	0.0
371	3.23	0.246	0.000	13.7	4377.7	0.0
372	3.36	0.246	0.000	13.7	4357.7	0.0
373	3.49	0.246	0.000	13.7	4337.5	0.0
374	3.62	0.246	0.000	13.7	4317.0	0.0
375	3.75	0.246	0.000	13.7	4309.6	0.0
376	3.88	0.246	0.000	13.7	4302.0	0.0
377	4.01	0.246	0.000	13.7	4294.1	0.0
378	4.14	0.246	0.000	13.7	4286.0	0.0
379	4.27	0.246	0.000	13.7	4277.6	0.0
380	4.40	0.246	0.000	13.7	4268.9	0.0
381	4.54	0.246	0.000	13.7	4260.0	0.0
382	4.66	0.246	0.000	13.7	4250.8	0.0
383	4.80	0.246	0.000	13.7	4241.3	0.0
384	4.93	0.246	0.000	13.7	4231.6	0.0
385	5.06	0.246	0.000	13.7	4221.6	0.0
386	5.19	0.246	0.000	13.7	4211.4	0.0
387	5.32	0.246	0.000	13.7	4200.9	0.0
388	5.45	0.246	0.000	13.7	4190.1	0.0
389	5.58	0.246	0.000	13.7	4179.1	0.0
390	5.71	0.246	0.000	13.7	4167.8	0.0
391	5.85	0.246	0.000	13.7	4156.2	0.0
392	5.97	0.247	0.000	13.7	4144.4	0.0
393	6.11	0.247	0.000	13.7	4132.3	0.0
394	6.24	0.247	0.000	13.7	4120.0	0.0
395	6.37	0.247	0.000	13.7	4107.4	0.0
396	6.50	0.247	0.000	13.7	4094.5	0.0
397	6.63	0.247	0.000	13.7	4081.3	0.0
398	6.76	0.247	0.000	13.7	4067.9	0.0
399	6.89	0.247	0.000	13.7	4054.2	0.0
400	7.02	0.247	0.000	13.7	4040.3	0.0
401	7.16	0.247	0.000	13.7	4026.1	0.0
402	7.29	0.247	0.000	13.7	4011.6	0.0
403	7.42	0.247	0.000	13.7	3996.9	0.0
404	7.55	0.247	0.000	13.7	3981.9	0.0
405	7.68	0.247	0.000	13.7	3966.6	0.0
406	7.81	0.247	0.000	13.7	3951.0	0.0
407	7.95	0.248	0.000	13.7	3935.2	0.0
408	8.08	0.248	0.000	13.7	3919.1	0.0
409	8.21	0.248	0.000	13.7	3902.8	0.0
410	8.34	0.248	0.000	13.7	3886.2	0.0
411	8.47	0.248	0.000	13.7	3869.3	0.0
412	8.61	0.248	0.000	13.7	3852.1	0.0
413	8.74	0.248	0.000	13.7	3834.7	0.0

414	8.87	0.248	0.000	13.7	3817.0	0.0
415	9.00	0.248	0.000	13.7	3799.1	0.0
416	9.13	0.248	0.000	13.7	3780.8	0.0
417	9.26	0.248	0.000	13.7	3762.3	0.0
418	9.40	0.249	0.000	13.7	3743.6	0.0
419	9.53	0.249	0.000	13.7	3724.5	0.0
420	9.66	0.249	0.000	13.7	3705.2	0.0
421	9.80	0.249	0.000	13.7	3685.6	0.0
422	9.93	0.249	0.000	13.7	3665.8	0.0
423	10.06	0.249	0.000	13.7	3646.9	0.0
424	10.19	0.249	0.000	13.7	3629.7	0.0
425	10.32	0.249	0.000	13.7	3612.2	0.0
426	10.46	0.249	0.000	13.7	3594.4	0.0
427	10.59	0.249	0.000	13.7	3576.4	0.0
428	10.72	0.250	0.000	13.7	3558.1	0.0
429	10.85	0.250	0.000	13.7	3539.5	0.0
430	10.99	0.250	0.000	13.7	3520.7	0.0
431	11.12	0.250	0.000	13.7	3501.5	0.0
432	11.25	0.250	0.000	13.7	3482.1	0.0
433	11.39	0.250	0.000	13.7	3462.4	0.0
434	11.52	0.250	0.000	13.7	3442.5	0.0
435	11.65	0.250	0.000	13.7	3422.3	0.0
436	11.79	0.250	0.000	13.7	3401.8	0.0
437	11.92	0.251	0.000	13.7	3381.0	0.0
438	12.05	0.251	0.000	13.7	3356.9	0.0
439	12.19	0.251	0.000	13.7	3331.6	0.0
440	12.32	0.251	0.000	13.7	3306.1	0.0
441	12.45	0.251	0.000	13.7	3280.3	0.0
442	12.59	0.251	0.000	13.7	3254.3	0.0
443	12.72	0.251	0.000	13.7	3227.9	0.0
444	12.86	0.251	0.000	13.7	3201.3	0.0
445	12.99	0.252	0.000	13.7	3174.4	0.0
446	13.12	0.252	0.000	13.7	3147.2	0.0
447	13.26	0.252	0.000	13.7	3119.7	0.0
448	13.39	0.252	0.000	13.7	3091.9	0.0
449	13.52	0.252	0.000	13.7	3063.9	0.0
450	13.66	0.252	0.000	13.7	3035.6	0.0
451	13.79	0.252	0.000	13.7	3007.0	0.0
452	13.93	0.253	0.000	13.7	2978.1	0.0
453	14.06	0.253	0.000	13.7	2948.9	0.0
454	14.20	0.253	0.000	13.7	2919.4	0.0
455	14.33	0.253	0.000	13.7	2889.7	0.0
456	14.47	0.253	0.000	13.7	2859.6	0.0
457	14.60	0.253	0.000	13.7	2829.3	0.0
458	14.74	0.254	0.000	13.7	2798.7	0.0
459	14.87	0.254	0.000	13.7	2767.7	0.0
460	15.01	0.254	0.000	13.7	2736.5	0.0
461	15.14	0.254	0.000	13.7	2705.0	0.0
462	15.28	0.254	0.000	13.7	2673.2	0.0
463	15.41	0.254	0.000	13.7	2641.1	0.0
464	15.55	0.254	0.000	13.7	2610.1	0.0
465	15.68	0.255	0.000	13.7	2579.0	0.0
466	15.82	0.255	0.000	13.7	2547.6	0.0
467	15.95	0.255	0.000	13.7	2515.9	0.0
468	16.09	0.255	0.000	13.7	2483.9	0.0
469	16.22	0.255	0.000	13.7	2439.9	0.0
470	16.36	0.256	0.000	13.7	2352.2	0.0
471	16.49	0.256	0.000	13.7	2264.2	0.0
472	16.63	0.256	0.000	13.7	2175.9	0.0
473	16.77	0.256	0.000	13.7	2134.5	0.0
474	16.90	0.256	0.000	13.7	2099.9	0.0
475	17.04	0.256	0.000	13.7	2065.1	0.0
476	17.18	0.257	0.000	13.7	2029.9	0.0
477	17.31	0.257	0.000	13.7	1994.4	0.0
478	17.45	0.257	0.000	13.7	1958.7	0.0
479	17.59	0.257	0.000	13.7	1836.6	0.0
480	17.73	0.257	0.000	13.7	1710.1	0.0
481	17.86	0.258	0.000	13.7	1583.4	0.0
482	18.00	0.258	0.000	13.7	1476.2	0.0
483	18.14	0.258	0.000	13.7	1419.1	0.0
484	18.27	0.258	0.000	13.7	1361.7	0.0

485	18.41	0.258	0.000	13.7	1303.9	0.0
486	18.55	0.259	0.000	13.7	1245.9	0.0
487	18.68	0.259	0.000	13.7	1187.6	0.0
488	18.82	0.259	0.000	13.7	1128.9	0.0
489	18.96	0.259	0.000	13.7	1048.2	0.0
490	19.10	0.259	0.000	13.7	958.7	0.0
491	19.24	0.260	0.000	13.7	868.9	0.0
492	19.38	0.260	0.000	13.7	778.8	0.0
493	19.51	0.260	0.000	13.7	688.3	0.0
494	19.65	0.260	0.000	13.7	597.5	0.0
495	19.79	0.261	0.000	13.7	506.5	0.0
496	19.93	0.261	0.000	13.7	415.1	0.0
497	20.07	0.261	0.000	13.7	323.4	0.0
498	20.21	0.261	0.000	13.7	231.4	0.0
499	20.35	0.261	0.000	13.7	139.1	0.0
500	20.49	0.262	0.000	13.7	46.4	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-585.3	-1072.2	1732.2	712.2	-80.0
2	-955.3	-1255.1	1628.5	806.1	-237.1
3	-1014.9	-1332.3	1411.0	897.7	-390.6
4	-1059.0	-1306.3	1539.8	987.0	-540.4
5	-1099.2	-1179.4	1681.1	1074.3	-686.7
6	-1554.1	-669.2	1368.5	541.3	-792.3
7	-1481.0	-96.2	841.4	599.7	-885.5
8	-1455.4	538.1	994.6	656.7	-976.5
9	-1483.5	1232.3	1154.8	712.4	-1065.4
10	-1571.7	1984.9	1322.2	766.9	-1152.2
11	-1726.0	2794.4	1496.2	820.0	-1236.9
12	-1952.2	3659.6	1677.0	872.0	-1319.6
13	-2255.8	4579.1	1863.9	922.9	-1400.4
14	-2642.6	5551.6	2057.4	972.6	-1479.4
15	-3117.6	6575.8	2256.6	1021.2	-1556.3
16	-3685.9	7650.5	2461.7	1068.8	-1631.7
17	-4352.3	8774.5	2672.1	1115.3	-1705.1
18	-5121.8	9946.4	2888.3	1160.8	-1776.8
19	-5999.3	11165.2	3110.1	1205.3	-1846.9
20	-6988.3	12429.7	3336.1	1248.9	-1915.3
21	-8093.9	13738.7	3567.8	1291.5	-1982.0
22	-9319.7	15091.1	3803.7	1333.3	-2047.2
23	-10670.6	16486.0	4045.2	1374.2	-2111.0
24	-12149.0	17922.1	4289.6	1414.3	-2173.2
25	-13759.5	19398.5	4539.3	1453.4	-2233.7
26	-15505.8	20914.1	4793.3	1491.8	-2293.1
27	-17391.1	22468.1	5051.0	1529.5	-2351.0
28	-19418.8	24059.2	5312.6	1566.3	-2407.3
29	-21591.3	25686.6	5577.2	1602.4	-2462.4
30	-23956.5	27349.3	5899.8	1637.8	-2516.2
31	-26529.7	29047.1	6242.3	1673.1	-2569.7
32	-29272.3	30779.5	6538.3	1708.1	-2622.5
33	-32186.6	32545.8	6837.6	1742.7	-2674.4
34	-35272.2	34345.2	7136.3	1776.7	-2725.3
35	-38534.0	36176.9	7441.0	1810.0	-2774.9
36	-41972.2	38039.7	7745.8	1842.5	-2822.9
37	-45592.0	39933.0	8056.8	1874.5	-2870.2
38	-49393.0	41856.0	8367.4	1906.0	-2916.3
39	-53381.0	43807.6	8685.2	1936.7	-2960.9
40	-57554.5	45787.3	9000.7	1967.0	-3004.8
41	-61917.9	47794.2	9321.8	1996.7	-3047.4
42	-66475.0	49827.5	9647.6	2025.8	-3089.0
43	-71223.8	51886.5	9970.7	2054.4	-3129.5
44	-76170.5	53970.4	10301.6	2082.4	-3169.1
45	-81312.7	56078.4	10629.3	2109.9	-3207.5
46	-86656.2	58209.9	10964.2	2137.0	-3245.1
47	-92198.2	60364.3	11295.6	2163.6	-3281.8
48	-97945.3	62540.5	11635.2	2189.5	-3317.2
49	-103893.2	64738.2	11969.3	2215.3	-3352.1

50	-104549.5	66960.3	5492.4	2244.0	-3391.4
51	-99425.3	69179.2	-1659.8	2245.9	-3389.3
52	-93792.5	71394.8	-2268.5	2247.6	-3386.8
53	-87657.3	73606.8	-2871.1	2249.2	-3384.1
54	-81015.3	75815.0	-3480.6	2250.5	-3380.9
55	-73873.7	78018.7	-4083.0	2251.5	-3377.0
56	-66227.2	80217.9	-4693.3	2252.3	-3372.8
57	-58081.6	82412.1	-5297.9	2252.9	-3368.3
58	-49437.7	84601.1	-5903.2	2253.3	-3363.2
59	-40296.6	86784.5	-6508.5	2253.5	-3357.8
60	-30658.9	88962.5	-7114.4	2253.7	-3352.4
61	-20529.2	91134.2	-7716.3	2253.5	-3346.1
62	-9907.7	93299.7	-8319.3	2253.2	-3339.7
63	1205.4	95458.7	-8923.4	2252.7	-3332.9
64	12802.9	97610.8	-9520.0	2252.0	-3325.7
65	24885.3	99755.9	-10118.6	2251.2	-3318.2
66	37450.3	101893.7	-10715.8	2250.2	-3310.5
67	50494.2	104024.0	-11309.6	2249.0	-3302.3
68	64015.3	106146.6	-11902.6	2247.7	-3293.9
69	78009.7	108261.1	-12492.1	2246.2	-3285.1
70	92475.8	110367.5	-13080.9	2244.6	-3276.0
71	109077.9	112465.3	-15774.1	2242.6	-3266.5
72	126864.2	114553.7	-17270.2	2239.8	-3255.6
73	145190.1	116632.3	-17953.4	2236.8	-3244.3
74	164058.1	118701.3	-18640.8	2233.8	-3233.1
75	183462.7	120760.3	-19322.7	2230.7	-3221.5
76	203392.3	122809.0	-19991.8	2227.2	-3209.3
77	223853.2	124847.5	-20669.8	2223.8	-3197.3
78	244832.5	126875.3	-21332.9	2220.2	-3184.8
79	266330.1	128892.4	-21997.4	2216.4	-3172.1
80	288341.2	130898.7	-22657.0	2212.5	-3159.2
81	310858.6	132894.2	-23308.4	2208.7	-3146.5
82	333878.6	134878.4	-23956.9	2204.6	-3133.0
83	357397.7	136851.4	-24601.9	2200.4	-3119.7
84	381408.8	138812.8	-25239.3	2196.0	-3105.8
85	405906.0	140762.6	-25870.5	2191.6	-3091.8
86	430890.6	142700.7	-26504.4	2187.1	-3077.8
87	456348.8	144626.9	-27121.9	2182.4	-3063.5
88	482285.0	146541.2	-27746.1	2177.7	-3049.2
89	508683.9	148443.5	-28352.1	2172.9	-3034.6
90	535550.8	150333.8	-28965.5	2168.1	-3020.2
91	562870.7	152211.7	-29561.5	2163.0	-3005.0
92	591579.2	154077.2	-31358.5	2157.9	-2990.1
93	622237.1	155927.6	-33886.1	2149.8	-2970.7
94	653386.9	157762.7	-34545.5	2141.3	-2950.9
95	685010.4	159582.1	-35183.1	2132.5	-2930.7
96	717104.5	161385.8	-35817.9	2123.8	-2910.5
97	749653.7	163173.9	-36433.7	2114.9	-2890.1
98	782662.4	164946.3	-37056.2	2106.0	-2869.9
99	816112.1	166702.9	-37656.1	2097.0	-2849.4
100	850001.8	168443.6	-38255.9	2088.0	-2828.8
101	884323.5	170168.5	-38846.1	2078.9	-2808.2
102	919070.9	171877.5	-39429.5	2069.7	-2787.5
103	954229.6	173570.5	-39995.3	2060.4	-2766.7
104	989804.7	175247.5	-40568.6	2051.1	-2745.9
105	1025781.0	176908.6	-41123.2	2041.8	-2725.0
106	1062152.0	178553.7	-41670.0	2032.4	-2704.3
107	1094344.3	180622.9	-21416.7	1180.2	-2684.2
108	1134265.6	182686.5	-27313.2	1181.4	-2679.2
109	1174766.9	184744.3	-27753.7	1182.4	-2673.9
110	1215842.5	186796.0	-28190.6	1183.4	-2668.4
111	1257488.4	188841.4	-28624.9	1184.2	-2662.5
112	1299698.2	190880.1	-29055.0	1185.0	-2656.2
113	1343632.2	192787.1	-36560.9	1425.9	-2650.0
114	1386023.7	194687.3	-35141.8	1426.9	-2643.8
115	1428929.9	196580.6	-35617.6	1427.9	-2637.5
116	1472345.1	198466.6	-36089.1	1428.7	-2630.5
117	1516264.7	200345.2	-36557.0	1429.4	-2623.5
118	1560686.9	202216.0	-37024.0	1430.0	-2616.0
119	1605605.6	204079.2	-37485.9	1430.4	-2608.5
120	1651010.9	205934.0	-37939.8	1430.7	-2600.4

121	1696904.9	207780.6	-38396.0	1430.9	-2592.3
122	1743276.9	209618.9	-38842.8	1431.1	-2584.0
123	1790121.1	211448.4	-39285.3	1431.0	-2575.2
124	1837433.1	213269.0	-39724.2	1430.9	-2566.3
125	1885215.1	215080.8	-40165.6	1430.7	-2557.4
126	1933445.3	216883.2	-40587.9	1430.4	-2547.8
127	1982133.4	218676.3	-41019.4	1429.9	-2538.3
128	2031267.7	220459.9	-41441.1	1429.4	-2528.4
129	2080832.4	222233.7	-41848.7	1428.7	-2518.3
130	2130833.1	223997.5	-42262.2	1427.9	-2507.9
131	2181262.4	225751.0	-42669.8	1426.8	-2497.0
132	2232117.5	227493.5	-43076.7	1425.3	-2485.3
133	2283371.7	229224.9	-43459.5	1423.6	-2473.2
134	2335030.1	230945.0	-43847.8	1421.8	-2460.9
135	2387086.1	232653.7	-44230.1	1419.9	-2448.7
136	2439524.8	234350.9	-44599.4	1417.9	-2436.1
137	2492344.8	236036.5	-44968.0	1415.9	-2423.4
138	2545685.2	237710.1	-45466.8	1413.7	-2410.3
139	2599403.2	239371.8	-45833.2	1411.4	-2397.2
140	2653337.7	241021.5	-46049.9	1409.1	-2384.1
141	2707621.1	242659.1	-46390.6	1406.7	-2370.7
142	2762245.5	244284.4	-46724.5	1404.2	-2357.1
143	2817212.7	245897.3	-47060.7	1401.6	-2343.3
144	2872518.7	247497.9	-47393.5	1398.9	-2329.5
145	2928153.8	249085.9	-47717.8	1396.2	-2315.6
146	2984101.3	250661.3	-48027.1	1393.3	-2301.5
147	3040367.4	252223.9	-48342.7	1390.4	-2287.1
148	3096929.3	253773.5	-48637.7	1387.3	-2272.6
149	3153806.3	255310.4	-48950.8	1384.3	-2258.2
150	3210967.9	256834.3	-49236.2	1381.1	-2243.6
151	3268418.6	258345.3	-49525.5	1378.1	-2229.2
152	3326150.5	259845.9	-49801.0	1377.3	-2218.3
153	3384189.1	261336.2	-50100.3	1376.4	-2207.5
154	3437521.5	262816.3	-45705.6	1376.1	-2197.3
155	3490951.8	264287.2	-45805.0	1376.3	-2188.0
156	3544645.7	265748.2	-46060.5	1376.4	-2178.3
157	3598592.6	267199.8	-46305.8	1376.4	-2168.9
158	3652769.1	268641.5	-46530.1	1376.3	-2158.9
159	3707195.2	270073.4	-46773.2	1376.2	-2149.1
160	3761850.9	271495.4	-46998.1	1376.0	-2139.0
161	3816718.0	272906.9	-47206.8	1375.6	-2128.4
162	3871834.1	274336.0	-47365.5	1402.5	-2159.9
163	3927534.7	275744.8	-47954.9	1392.4	-2134.4
164	3983317.0	277133.6	-48072.3	1382.4	-2109.2
165	4039153.8	278502.4	-48164.5	1372.3	-2083.9
166	4095041.4	279851.0	-48254.0	1362.1	-2058.4
167	4150989.1	281179.7	-48352.3	1351.9	-2033.2
168	4206977.4	282488.5	-48432.6	1341.6	-2007.9
169	4262990.4	283777.4	-48498.2	1331.3	-1982.7
170	4319043.5	285046.5	-48578.9	1320.9	-1957.4
171	4375123.2	286296.1	-48646.7	1310.5	-1932.5
172	4431193.2	287526.0	-48681.1	1300.0	-1907.3
173	4487311.5	288736.6	-48769.8	1289.6	-1882.7
174	4504187.5	289930.1	-11797.4	1281.7	-1861.4
175	4496956.2	291124.6	10984.9	1293.1	-1868.3
176	4489534.7	292319.6	11211.7	1304.3	-1874.7
177	4481914.8	293515.1	11445.9	1315.4	-1881.0
178	4474082.7	294710.5	11693.2	1326.4	-1886.6
179	4466052.2	295905.7	11927.2	1337.3	-1892.1
180	4457802.3	297100.4	12180.8	1348.1	-1897.2
181	4449350.0	298294.2	12418.4	1358.8	-1901.9
182	4440663.6	299486.9	12685.5	1369.3	-1906.3
183	4431752.7	300678.2	12943.7	1379.8	-1910.2
184	4422626.3	301867.8	13193.1	1390.1	-1914.1
185	4413250.4	303055.4	13474.6	1400.3	-1917.3
186	4403654.1	304240.6	13728.3	1410.4	-1920.1
187	4393816.2	305423.2	14002.1	1420.4	-1922.9
188	4383727.4	306603.2	14284.4	1430.3	-1925.3
189	4373413.0	307780.3	14542.6	1440.2	-1927.6
190	4362842.1	308954.1	14830.1	1449.9	-1929.3
191	4352014.0	310124.0	15118.2	1459.4	-1930.4

192	4340934.4	311290.2	15400.6	1468.9	-1931.7
193	4329600.9	312452.1	15685.2	1478.3	-1932.3
194	4318012.3	313609.9	15970.8	1487.6	-1932.9
195	4306169.6	314763.1	16255.4	1496.8	-1933.2
196	4294062.6	315911.6	16549.5	1505.9	-1933.2
197	4281695.6	317054.9	16839.4	1514.9	-1932.8
198	4269709.9	317886.9	19157.6	2111.2	-1932.1
199	4252765.6	318713.3	24193.6	2119.9	-1931.1
200	4235609.4	319533.8	24454.1	2128.4	-1929.7
201	4218232.9	320348.3	24722.7	2136.9	-1928.1
202	4200647.3	321156.8	24979.9	2145.4	-1926.4
203	4182849.5	321959.0	25240.0	2153.7	-1924.5
204	4164807.4	322754.3	25532.6	2161.9	-1921.9
205	4146571.9	323543.2	25773.2	2170.1	-1919.7
206	4128102.5	324324.9	26054.9	2178.2	-1916.9
207	4109402.4	325099.1	26333.3	2186.1	-1913.4
208	4090489.4	325866.0	26593.4	2194.0	-1910.3
209	4071334.3	326624.9	26883.2	2201.8	-1906.2
210	4040899.3	327376.9	38328.9	2211.1	-1904.3
211	4007976.1	328428.6	37056.0	1636.3	-1904.4
212	3979876.4	329473.9	32505.7	1647.4	-1903.7
213	3991369.4	330510.4	-5283.8	1654.5	-1898.7
214	4015754.4	331530.4	-17616.2	1650.1	-1880.0
215	4040046.0	332534.7	-17541.1	1645.8	-1861.9
216	4064180.3	333522.6	-17405.2	1641.3	-1843.1
217	4088204.8	334494.7	-17314.8	1636.8	-1825.0
218	4122409.0	335449.6	-27077.2	1630.8	-1804.8
219	4156704.4	336386.8	-27193.3	1623.2	-1783.1
220	4190911.4	337306.5	-27137.5	1615.6	-1761.6
221	4225004.9	338208.4	-27058.1	1607.9	-1739.8
222	4259005.5	339092.9	-26998.5	1600.2	-1718.4
223	4292907.1	339959.9	-26933.4	1592.5	-1696.9
224	4326687.0	340809.6	-26846.8	1584.6	-1675.4
225	4360365.1	341641.8	-26779.4	1576.8	-1653.9
226	4393934.0	342457.1	-26705.0	1568.9	-1632.9
227	4427380.6	343255.2	-26618.5	1560.9	-1611.5
228	4460712.9	344036.2	-26539.9	1552.9	-1590.3
229	4493920.7	344800.3	-26451.5	1544.9	-1569.2
230	4527018.7	345547.7	-26377.4	1536.8	-1548.2
231	4540078.9	346279.4	-7145.9	1530.9	-1529.4
232	4549454.6	346997.4	-3607.6	1529.1	-1514.9
233	4558643.5	347701.8	-3430.8	1527.2	-1500.2
234	4567652.9	348392.3	-3261.2	1525.2	-1485.3
235	4576493.1	349069.3	-3101.6	1523.2	-1470.7
236	4599063.7	349731.7	-16326.3	1519.4	-1454.2
237	4622134.5	350378.9	-16829.5	1513.4	-1435.8
238	4645046.8	351010.7	-16698.9	1507.3	-1417.3
239	4667817.7	351627.1	-16585.1	1501.2	-1398.7
240	4690429.6	352228.6	-16454.3	1495.1	-1380.6
241	4712878.8	352814.8	-16320.4	1488.8	-1362.1
242	4735187.6	353386.2	-16208.0	1482.6	-1343.9
243	4757329.2	353942.5	-16070.0	1476.3	-1325.7
244	4779314.4	354483.9	-15942.5	1469.9	-1307.4
245	4801156.4	355010.6	-15828.1	1463.5	-1289.4
246	4822825.2	355522.5	-15684.9	1457.0	-1271.2
247	4844331.7	356019.8	-15552.2	1450.5	-1253.2
248	4865692.5	356502.5	-15436.0	1444.0	-1235.2
249	4886881.8	356971.0	-15294.9	1437.4	-1217.5
250	4907924.9	357425.0	-15178.3	1430.7	-1199.6
251	4928777.2	357864.5	-15019.2	1424.0	-1181.6
252	4949507.4	358290.0	-14926.3	1417.3	-1164.1
253	4970040.0	358701.4	-14760.6	1410.4	-1146.3
254	4990417.6	359098.6	-14636.6	1403.6	-1128.6
255	5010630.6	359481.9	-14503.2	1396.7	-1111.1
256	5030679.9	359851.4	-14370.9	1389.7	-1093.7
257	5050564.1	360207.1	-14237.6	1382.7	-1076.3
258	5070290.6	360549.2	-14111.4	1375.7	-1059.0
259	5089849.5	360877.7	-13976.0	1368.6	-1041.7
260	5109239.5	361192.9	-13839.4	1361.4	-1024.6
261	5128461.8	361494.6	-13704.2	1354.2	-1007.5
262	5147521.7	361783.2	-13574.2	1347.0	-990.5

263	5166411.5	362058.6	-13437.2	1339.7	-973.5
264	5185136.9	362321.0	-13305.6	1332.3	-956.7
265	5203699.1	362570.4	-13175.5	1324.9	-939.9
266	5190016.8	362807.5	18120.2	1319.4	-924.6
267	5159172.8	363033.9	34819.3	1324.3	-916.5
268	5128149.6	363249.6	35024.0	1329.1	-908.3
269	5096922.7	363454.6	35252.5	1333.8	-900.0
270	5065528.3	363648.7	35445.5	1338.5	-891.6
271	5055264.0	338830.3	183000.0	49855.2	-1161.8
272	4683498.2	314021.2	183000.0	49815.7	-1150.5
273	4316513.6	289221.0	183000.0	49776.7	-1139.0
274	3921797.1	289370.5	389276.9	1356.7	-856.6
275	3896552.7	289508.8	29603.6	1361.1	-847.5
276	3871128.2	289635.6	29806.0	1365.4	-838.4
277	3845533.4	289750.9	29998.6	1369.7	-829.1
278	3819766.0	289854.5	30193.3	1373.9	-819.6
279	3793818.1	289946.5	30395.6	1378.1	-810.1
280	3767718.0	290026.6	30570.1	1382.1	-800.4
281	3799163.2	265280.3	183000.0	49483.7	-1040.2
282	3458452.0	240538.6	183000.0	49450.1	-1027.4
283	3122430.8	215801.2	183000.0	49416.5	-1014.2
284	2791118.3	191067.7	183000.0	49383.9	-1001.0
285	2464493.4	166337.6	183000.0	49351.8	-987.7
286	2067508.4	166345.4	393074.1	1405.4	-740.3
287	2051969.4	166341.1	20424.7	1409.1	-729.9
288	2036881.8	166324.4	20004.4	1412.7	-719.5
289	2052209.5	166295.4	-9749.5	1407.5	-704.5
290	2067380.1	166254.6	-9647.6	1393.9	-685.6
291	2082389.6	166202.0	-9541.9	1380.4	-666.8
292	2086048.6	166138.0	1521.5	1368.6	-649.1
293	2085122.0	166062.2	5993.4	1363.5	-634.7
294	2084047.0	165974.7	6122.4	1358.3	-620.4
295	2082821.5	165875.7	6253.3	1353.0	-606.1
296	2081452.4	165765.4	6377.2	1347.8	-592.0
297	2079937.2	165643.7	6503.3	1342.4	-577.9
298	2078280.6	165510.9	6624.7	1337.0	-563.9
299	2076480.2	165366.8	6748.3	1331.6	-549.9
300	2074546.8	165211.8	6860.9	1326.1	-536.0
301	2072468.4	165045.9	6985.2	1320.6	-522.3
302	2070249.6	164869.1	7104.9	1315.0	-508.4
303	2067895.3	164681.6	7219.5	1309.3	-494.8
304	2051792.7	164483.0	20715.8	1306.9	-482.5
305	2033872.3	164272.6	22518.4	1309.6	-472.0
306	2015849.3	164050.1	22636.2	1312.2	-461.3
307	1997723.3	163815.6	22754.2	1314.8	-450.7
308	1979495.6	163569.3	22870.7	1317.3	-440.2
309	1961177.0	163311.0	22976.4	1319.8	-429.4
310	1955583.6	163041.2	10460.0	1318.7	-417.4
311	1950197.4	162761.0	10240.7	1313.8	-404.4
312	1944692.9	162470.3	10341.5	1308.7	-391.4
313	1939066.7	162169.4	10445.5	1303.7	-378.4
314	1933333.7	161858.3	10534.4	1298.5	-365.6
315	1927473.6	161537.0	10643.3	1293.4	-352.7
316	1921507.8	161205.8	10731.0	1288.1	-340.1
317	1915431.1	160864.8	10823.4	1282.8	-327.5
318	1909240.4	160513.9	10918.8	1277.5	-314.8
319	1902945.9	160153.3	11003.8	1272.1	-302.4
320	1896542.9	159783.4	11093.3	1266.6	-290.1
321	1890035.9	159403.9	11178.1	1261.1	-277.7
322	1883427.3	159015.0	11260.5	1255.5	-265.4
323	1876718.3	158617.0	11341.3	1249.9	-253.4
324	1869907.5	158210.1	11423.3	1244.2	-241.4
325	1862999.6	157794.0	11500.6	1238.5	-229.4
326	1849680.6	157369.1	17818.3	1232.7	-217.4
327	1829951.3	156933.1	24166.2	1234.2	-207.1
328	1810170.5	156485.5	24229.0	1235.6	-196.3
329	1790343.3	156026.7	24286.5	1236.9	-185.8
330	1770479.9	155556.6	24333.6	1238.3	-175.2
331	1750574.8	155075.3	24386.0	1239.5	-164.6
332	1730637.0	154582.7	24429.1	1240.7	-154.0
333	1710662.4	154078.7	24476.3	1241.9	-143.2

334	1690662.5	153563.5	24511.7	1243.0	-132.5
335	1670563.7	153037.1	24619.8	1244.0	-121.8
336	1650358.9	152499.4	24735.1	1245.1	-111.1
337	1630129.2	151950.3	24769.9	1246.1	-100.2
338	1609892.1	151390.1	24786.8	1247.1	-89.6
339	1589640.0	150818.5	24811.4	1248.0	-78.7
340	1569376.7	150235.7	24831.8	1248.8	-68.0
341	1549109.2	149641.5	24845.0	1249.6	-57.0
342	1528844.6	149036.3	24850.8	1250.4	-46.4
343	1508577.9	148419.8	24861.6	1251.1	-35.4
344	1488317.0	147792.1	24864.0	1251.7	-24.6
345	1468062.1	147153.3	24866.0	1252.3	-13.8
346	1447820.7	146503.4	24860.4	1252.8	-3.0
347	1427593.3	145842.4	24853.9	1253.3	7.9
348	1410805.1	145170.5	21438.9	1253.4	18.8
349	1396310.0	144489.6	19149.5	1250.1	29.4
350	1381799.1	143799.6	19156.7	1246.8	40.2
351	1367278.2	143100.8	19157.9	1243.4	50.8
352	1352751.5	142393.3	19154.4	1240.0	61.4
353	1338216.0	141676.9	19153.9	1236.5	72.0
354	1323680.0	140952.2	19144.6	1233.0	82.2
355	1309142.3	140218.8	19136.5	1229.4	92.7
356	1294605.3	139477.2	19125.6	1225.7	102.9
357	1280074.8	138727.3	19108.6	1222.0	113.1
358	1265550.7	137969.3	19091.6	1218.2	123.2
359	1251032.7	137203.3	19074.4	1214.4	133.2
360	1236527.0	136429.3	19051.0	1210.5	143.2
361	1222036.2	135647.5	19024.6	1206.5	153.1
362	1207559.0	134857.9	18999.2	1202.5	162.9
363	1193097.0	134060.8	18971.9	1198.4	172.6
364	1178660.0	133256.3	18934.7	1194.3	182.2
365	1164241.8	132444.5	18903.2	1190.1	191.6
366	1149850.9	131625.4	18863.1	1185.8	201.2
367	1135484.0	130799.3	18825.9	1181.5	210.4
368	1121148.8	129966.2	18780.8	1177.1	219.8
369	1106845.6	129126.3	18735.1	1172.6	228.8
370	1092574.7	128279.7	18688.8	1168.1	237.8
371	1078340.6	127426.5	18637.7	1163.6	246.8
372	1064142.9	126567.0	18586.7	1158.9	255.6
373	1049990.0	125701.1	18527.0	1154.2	264.4
374	1033503.0	124829.0	20851.4	1149.5	273.1
375	1014701.6	123948.2	23170.4	1148.2	282.4
376	995996.1	123058.7	23073.4	1146.9	291.8
377	977388.5	122160.8	22974.1	1145.5	301.1
378	958881.2	121254.2	22871.9	1144.1	310.4
379	940474.5	120339.2	22769.4	1142.6	319.6
380	922177.4	119415.9	22657.3	1141.0	328.8
381	903987.4	118484.2	22547.5	1139.4	337.9
382	885913.3	117544.5	22428.4	1137.7	346.8
383	867949.8	116596.6	22314.5	1136.0	356.0
384	850109.3	115640.8	22187.6	1134.2	364.7
385	832387.2	114677.0	22065.1	1132.3	373.7
386	814789.7	113705.6	21936.0	1130.4	382.4
387	797321.0	112726.4	21802.4	1128.4	391.1
388	779980.5	111739.6	21669.0	1126.4	399.9
389	762771.0	110745.2	21532.5	1124.2	408.5
390	745698.8	109743.5	21389.2	1122.1	417.0
391	728762.0	108734.5	21247.6	1119.8	425.5
392	711970.3	107718.4	21095.7	1117.5	433.7
393	695318.2	106695.2	20949.2	1115.2	442.1
394	678815.8	105665.0	20792.1	1112.8	450.3
395	662458.4	104628.0	20639.2	1110.3	458.5
396	646255.8	103584.3	20476.4	1107.7	466.5
397	630204.8	102534.0	20316.2	1105.1	474.5
398	614311.4	101477.1	20149.7	1102.4	482.4
399	598575.2	100413.8	19983.3	1099.7	490.3
400	583003.7	99344.3	19808.7	1096.9	497.9
401	567595.8	98268.7	19635.0	1094.0	505.5
402	552352.1	97187.1	19460.5	1091.0	513.1
403	537279.2	96099.6	19278.7	1088.0	520.5
404	522377.6	95006.4	19096.1	1084.9	527.8

405	507646.2	93907.5	18914.3	1081.8	535.2
406	493094.7	92803.2	18722.3	1078.6	542.2
407	478717.5	91693.5	18535.5	1075.3	549.3
408	464523.2	90578.7	18339.7	1072.0	556.2
409	450508.3	89458.7	18147.0	1068.5	563.1
410	436680.4	88333.9	17946.3	1065.0	569.8
411	423037.6	87204.3	17746.9	1061.5	576.4
412	409583.2	86070.0	17544.2	1057.9	583.0
413	396318.8	84931.3	17339.1	1054.2	589.4
414	383248.4	83788.3	17129.7	1050.4	595.7
415	370371.1	82641.2	16920.7	1046.6	601.7
416	357690.2	81489.9	16708.2	1042.7	607.9
417	345208.6	80334.9	16492.1	1038.7	613.7
418	332923.6	79176.2	16278.5	1034.6	619.6
419	320842.1	78013.9	16057.4	1030.5	625.3
420	308962.0	76848.3	15838.1	1026.3	630.8
421	297287.3	75679.4	15614.3	1022.0	636.3
422	285817.8	74507.6	15390.4	1017.7	641.5
423	273974.0	73332.4	15175.5	1013.6	647.0
424	262281.2	72153.5	14959.3	1010.0	652.6
425	250819.3	70971.1	14742.3	1006.3	658.0
426	239586.2	69785.3	14526.1	1002.5	663.4
427	228586.0	68596.1	14310.3	998.7	668.7
428	217818.4	67403.9	14094.3	994.8	673.8
429	207289.1	66208.9	13878.1	990.8	678.7
430	196994.2	65011.0	13662.4	986.7	683.6
431	186936.1	63810.7	13446.9	982.6	688.3
432	177118.5	62608.0	13231.1	978.4	692.8
433	167540.7	61403.1	13015.6	974.1	697.3
434	158203.0	60196.1	12800.5	969.7	701.7
435	149109.0	58987.3	12585.1	965.3	705.8
436	140257.4	57776.9	12369.6	960.7	709.8
437	131826.0	56564.9	12154.0	956.1	713.7
438	124060.8	55352.7	11938.5	950.6	716.8
439	116516.1	54140.9	11723.1	944.7	719.5
440	109191.8	52929.7	11507.9	938.7	722.0
441	102089.0	51719.3	11292.3	932.7	724.4
442	95208.2	50509.7	11076.1	926.6	726.7
443	88549.3	49301.4	10860.1	920.3	728.7
444	82113.5	48094.5	10644.8	914.0	730.6
445	75898.9	46889.4	10429.1	907.6	732.1
446	69906.0	45686.1	10213.6	901.2	733.7
447	64135.0	44485.0	10000.0	894.6	734.9
448	58585.3	43286.3	9786.1	887.9	736.0
449	53257.5	42090.1	9571.9	881.1	737.0
450	48149.4	40896.9	9357.4	874.3	737.6
451	43261.4	39706.6	9142.6	867.4	738.3
452	38592.7	38519.7	8927.4	860.3	738.6
453	34142.7	37336.5	8712.1	853.2	738.6
454	29910.8	36157.2	8496.6	846.0	738.5
455	25896.6	34981.9	8281.1	838.6	738.2
456	22096.9	33811.1	8065.4	831.2	737.7
457	18516.2	32644.8	7849.3	823.7	737.0
458	15149.5	31483.5	7632.9	816.1	736.1
459	11996.2	30327.4	7416.1	808.3	734.8
460	9053.2	29176.8	7198.6	800.5	733.5
461	6319.5	28031.8	6980.0	792.6	731.9
462	3793.7	26892.9	6760.9	784.6	730.1
463	1430.8	25760.3	6541.1	776.4	728.0
464	-785.0	24633.7	6320.4	768.6	726.1
465	-2787.4	23513.3	6098.6	760.7	724.0
466	-4578.4	22399.3	5875.4	752.7	721.7
467	-6160.4	21292.1	5650.9	744.6	719.2
468	-7535.9	20192.0	5425.1	736.4	716.4
469	-6701.3	19104.4	5197.4	724.7	710.0
470	-5277.9	18049.2	4967.3	699.8	690.5
471	-3995.7	17027.0	4735.5	674.8	670.5
472	-3718.0	16038.5	4501.8	649.7	649.9
473	-4715.4	15062.7	4266.8	638.5	643.1
474	-5517.5	14096.6	4030.3	629.3	638.2
475	-6146.5	13140.5	3792.1	620.0	633.0

476	-6606.4	12194.9	2576.7	610.5	627.5
477	-6900.2	11260.0	2368.9	601.0	621.7
478	-5917.4	10336.3	1010.6	591.3	615.6
479	-4024.4	9464.5	-58.4	555.5	582.3
480	-2437.4	8647.8	127.6	518.2	546.6
481	-1117.6	7887.2	273.2	480.7	510.1
482	-1021.0	7173.6	1430.8	449.1	479.6
483	-1087.8	6483.4	1541.5	432.5	464.8
484	-1113.5	5817.1	1439.8	415.8	449.6
485	-1100.3	5175.2	1340.0	399.0	434.0
486	-1051.4	4558.1	1243.2	382.0	418.0
487	-969.3	3966.4	1148.5	364.8	401.6
488	-803.1	3400.5	1000.6	347.5	384.8
489	-510.1	2871.9	785.2	323.3	360.1
490	-292.6	2385.6	770.8	296.3	331.9
491	-130.3	1942.1	735.2	269.1	303.2
492	-16.7	1542.3	692.2	241.7	273.9
493	55.2	1186.8	641.8	214.1	243.9
494	92.4	876.4	583.6	186.2	213.4
495	102.0	611.7	517.6	158.2	182.2
496	91.6	393.5	443.6	129.9	150.5
497	68.4	222.5	361.4	101.5	118.1
498	40.2	99.4	270.8	72.7	85.2
499	14.8	25.0	171.7	43.8	51.6
500	0.0	0.0	63.9	14.7	17.3

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Σ			1063657.5		-555066.7

VERIFICA STABILITA' DEI PENDII

Sezione D-D - Condizione Statica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
Prodotto dei coefficienti sismici : 0.000
Coefficiente sismico verticale : 0.000
Coefficiente riduzione attrito : 1.000
Coefficiente riduzione coesione : 1.000
Coeff. amplific. carichi esercizio : 1.000
Coeff. carichi esercizio per sisma : 1.000
Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
Falda	1	160.420	145.140
Falda	2	169.390	143.250
Falda	3	176.950	141.680
Falda	4	179.650	141.240
Falda	5	184.390	139.790
Falda	6	186.770	139.350
Falda	7	189.620	138.750
Falda	8	192.760	138.310
Falda	9	194.530	138.140
Falda	10	199.350	136.740
Falda	11	203.540	136.130
Falda	12	205.550	136.130
Falda	13	207.320	135.730
Falda	14	214.400	135.330
Falda	15	222.160	135.290
Falda	16	229.440	135.290
Falda	17	241.900	136.090
Falda	18	249.060	137.140
Falda	19	254.210	137.020
Falda	20	259.160	137.420
Falda	21	265.870	137.460
Falda	22	267.480	137.140
Falda	23	274.400	137.140
Falda	24	278.180	135.210
Falda	25	283.770	132.760
Falda	26	286.710	131.630
Falda	27	291.330	131.790
Falda	28	295.710	130.700
Falda	29	297.520	130.740
Falda	30	301.300	129.620
Falda	31	306.970	129.620
Falda	32	310.710	129.260
Falda	33	315.380	128.570
Falda	34	317.790	128.850
Falda	35	336.900	129.020
Falda	36	338.180	128.210
Falda	37	339.830	128.210
Falda	38	345.820	125.150
Falda	39	348.800	124.550
Falda	40	352.860	123.300
Falda	41	354.350	123.300
Falda	42	361.230	121.700
Falda	43	368.950	119.640
Falda	44	371.400	118.720
Falda	45	379.240	116.630
Falda	46	383.350	115.140
Falda	47	384.630	115.180

Falda	48	387.210	113.770
Falda	49	394.890	111.920
Falda	50	399.550	110.560
Falda	51	400.800	110.520
Falda	52	412.180	106.780
Falda	53	417.130	105.010
Falda	54	418.700	104.890
Falda	55	424.730	103.120
Falda	56	433.300	100.900
Falda	57	441.820	98.610
Falda	58	452.080	97.400
Falda	59	462.050	96.960
Falda	60	475.120	94.630
Pendio	1	157.930	152.670
Pendio	2	164.620	154.160
Pendio	3	174.950	158.440
Pendio	4	185.100	162.660
Pendio	5	194.450	164.980
Pendio	6	199.910	165.400
Pendio	7	204.620	165.740
Pendio	8	210.380	165.740
Pendio	9	215.190	165.620
Pendio	10	219.310	165.100
Pendio	11	229.590	163.330
Pendio	12	234.490	162.530
Pendio	13	239.590	159.330
Pendio	14	244.820	155.730
Pendio	15	259.880	144.670
Pendio	16	264.870	141.300
Pendio	17	273.620	141.130
Pendio	18	274.400	141.200
Pendio	19	275.570	140.740
Pendio	20	278.790	139.170
Pendio	21	279.990	138.830
Pendio	22	287.420	135.790
Pendio	23	290.600	135.790
Pendio	24	292.970	135.790
Pendio	25	293.780	135.330
Pendio	26	296.680	134.510
Pendio	27	298.130	134.510
Pendio	28	302.170	133.520
Pendio	29	304.390	133.520
Pendio	30	307.540	133.530
Pendio	31	313.940	132.780
Pendio	32	325.860	132.780
Pendio	33	329.440	132.880
Pendio	34	334.280	132.850
Pendio	35	335.790	132.840
Pendio	36	337.180	132.850
Pendio	37	338.000	132.460
Pendio	38	339.450	132.460
Pendio	39	340.350	131.750
Pendio	40	341.960	131.470
Pendio	41	348.250	128.710
Pendio	42	361.980	125.500
Pendio	43	368.840	124.040
Pendio	44	381.880	119.900
Pendio	45	388.110	117.780
Pendio	46	403.570	113.710
Pendio	47	409.200	112.120
Pendio	48	411.530	111.270
Pendio	49	418.570	108.830
Pendio	50	419.770	108.760
Pendio	51	425.850	106.850
Pendio	52	427.300	106.320
Pendio	53	428.650	106.000
Pendio	54	429.750	105.970
Pendio	55	442.760	102.400
Pendio	56	449.590	101.650
Pendio	57	453.120	101.140
Pendio	58	465.150	100.660

Pendio	59	479.630	97.760
Pendio	60	485.770	97.440
2	1	162.550	153.699
2	2	162.550	152.360
2	3	164.540	152.960
2	4	169.820	155.130
2	5	174.830	157.210
2	6	185.160	161.610
2	7	189.760	162.810
2	8	194.610	163.860
2	9	199.570	164.300
2	10	204.460	164.570
2	11	214.830	164.500
2	12	229.940	162.110
2	13	234.370	161.290
2	14	239.580	158.210
2	15	244.880	154.290
2	16	249.890	150.770
2	17	259.900	143.480
2	18	262.450	141.810
2	19	262.450	142.934
3	1	163.100	152.526
3	2	163.100	151.870
3	3	175.210	147.870
3	4	179.640	146.730
3	5	182.350	146.000
3	6	185.030	145.570
3	7	190.000	143.750
3	8	195.210	141.590
3	9	199.810	140.270
3	10	204.790	138.490
3	11	208.220	138.270
3	12	212.270	138.350
3	13	215.790	138.350
3	14	219.830	138.430
3	15	224.840	138.830
3	16	229.880	139.270
3	17	239.620	140.190
3	18	244.540	140.510
3	19	254.270	140.950
3	20	259.240	140.910
3	21	261.760	141.470
3	22	261.760	142.262
4	1	163.340	151.791
4	2	163.340	150.540
4	3	171.810	147.790
4	4	174.980	146.940
4	5	180.070	145.360
4	6	184.870	144.460
4	7	189.950	142.710
4	8	198.050	139.680
4	9	204.340	137.630
4	10	207.260	137.430
4	11	214.950	137.310
4	12	222.920	137.590
4	13	224.920	137.710
4	14	229.990	138.060
4	15	238.570	138.910
4	16	241.620	139.270
4	17	246.740	139.750
4	18	254.350	139.870
4	19	259.350	139.950
4	20	263.800	141.230
4	21	263.800	142.023
5	1	259.740	140.062
5	2	259.740	139.470
5	3	264.420	135.660
5	4	286.720	135.660
5	5	286.720	136.076
6	1	163.420	150.514
6	2	163.420	140.940

6	3	181.800	136.900
6	4	184.470	136.200
6	5	186.750	135.900
6	6	204.490	132.450
6	7	210.820	131.540
6	8	214.330	131.010
6	9	222.130	130.420
6	10	239.390	130.360
6	11	244.870	130.800
6	12	254.220	130.800
6	13	259.180	130.340
6	14	264.010	130.340
6	15	266.770	129.720
6	16	269.900	129.810
6	17	272.690	129.280
6	18	275.820	127.350
6	19	285.000	124.090
6	20	288.590	124.044
6	21	288.590	135.790
7	1	288.590	124.044
7	2	288.590	117.790
7	3	289.210	117.790
7	4	289.210	135.790
8	1	289.210	135.790
8	2	289.210	124.038
8	3	290.020	124.020
8	4	290.950	123.752
8	5	290.950	135.790
9	1	290.950	123.752
9	2	290.950	105.790
9	3	292.250	105.790
9	4	292.250	123.557
10	1	292.250	135.790
10	2	292.250	123.557
10	3	300.300	121.540
10	4	308.620	121.450
10	5	312.370	120.870
10	6	336.320	120.870
10	7	342.710	118.000
10	8	343.990	117.560
10	9	351.790	115.480
10	10	353.900	115.240
10	11	356.710	114.420
10	12	358.820	114.190
10	13	365.650	112.310
10	14	372.800	110.020
10	15	373.680	110.080
10	16	377.670	108.500
10	17	379.220	108.350
10	18	385.060	105.980
10	19	385.640	106.300
10	20	388.690	105.220
10	21	395.490	103.280
10	22	398.830	102.700
10	23	400.710	102.140
10	24	402.490	101.640
10	25	405.020	101.060
10	26	407.180	100.380
10	27	408.560	99.910
10	28	410.170	98.920
10	29	411.640	98.540
10	30	413.160	98.150
10	31	415.190	97.450
10	32	417.270	96.810
10	33	418.530	96.750
10	34	419.640	96.400
10	35	422.160	95.430
10	36	424.120	95.050
10	37	424.120	107.393

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
6	Fila 3	2500.0	18.30	0.00	1.00
7	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
8	Fila 4	2500.0	18.30	0.00	1.00
9	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
10	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	321.31	228.37	107.75
2	302.43	204.45	81.51
3	332.33	263.51	142.65
4	310.66	214.53	92.89
5	307.14	231.01	107.71
6	340.34	309.32	189.08
7	312.19	227.21	106.49

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y

CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des

RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	321.31	228.37	107.75	2.378	1
2	302.43	204.45	81.51	1.879	1
3	332.33	263.51	142.65	2.294	1
4	310.66	214.53	92.89	2.073	1
5	307.14	231.01	107.71	1.697	1
6	340.34	309.32	189.08	1.786	1
7	312.19	227.21	106.49	1.871	1

CERCHIO CRITICO N° 5

Larghezza del concio.....=0.245
 Situazione di carico numero 1
 Coefficiente di sicurezza F =1.697
 Coefficiente di forma =0.16360
 Coefficiente F/Fo =1.07847
 Numero iterazioni = 2
 Precisione =0.00159

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-51.81	0.397	0.120	19.6	62.9	0.0
2	-51.60	0.395	0.120	19.6	187.9	0.0
3	-51.39	0.393	0.120	19.6	311.9	0.0
4	-51.18	0.391	0.120	19.6	434.7	0.0
5	-50.98	0.389	0.120	19.6	556.5	0.0
6	-50.77	0.388	0.008	19.6	646.9	0.0
7	-50.56	0.386	0.008	19.6	728.3	0.0
8	-50.36	0.384	0.008	19.6	809.0	0.0
9	-50.16	0.383	0.008	19.6	889.0	0.0
10	-49.95	0.381	0.008	19.6	968.4	0.0
11	-49.75	0.380	0.008	19.6	1047.1	0.0
12	-49.55	0.378	0.008	19.6	1125.1	0.0
13	-49.35	0.376	0.008	19.6	1202.5	0.0
14	-49.15	0.375	0.008	19.6	1279.2	0.0
15	-48.95	0.373	0.008	19.6	1355.3	0.0
16	-48.75	0.372	0.008	19.6	1430.8	0.0
17	-48.55	0.370	0.008	19.6	1505.7	0.0
18	-48.36	0.369	0.008	19.6	1579.9	0.0
19	-48.16	0.368	0.008	19.6	1653.5	0.0
20	-47.97	0.366	0.008	19.6	1726.6	0.0
21	-47.77	0.365	0.008	19.6	1799.0	0.0
22	-47.58	0.363	0.008	19.6	1870.9	0.0
23	-47.39	0.362	0.008	19.6	1942.1	0.0
24	-47.19	0.361	0.008	19.6	2012.8	0.0
25	-47.00	0.360	0.008	19.6	2083.0	0.0
26	-46.81	0.358	0.008	19.6	2152.6	0.0
27	-46.62	0.357	0.008	19.6	2221.6	0.0
28	-46.43	0.356	0.008	19.6	2290.0	0.0
29	-46.24	0.355	0.008	19.6	2358.0	0.0
30	-46.05	0.353	0.008	19.6	2425.4	0.0
31	-45.87	0.352	0.008	19.6	2493.2	0.0
32	-45.68	0.351	0.008	19.6	2561.1	0.0
33	-45.49	0.350	0.008	19.6	2628.9	0.0
34	-45.31	0.349	0.008	19.6	2696.2	0.0
35	-45.12	0.348	0.008	19.6	2763.0	0.0
36	-44.94	0.346	0.008	19.6	2829.3	0.0
37	-44.75	0.345	0.008	19.6	2895.0	0.0
38	-44.57	0.344	0.008	19.6	2960.3	0.0
39	-44.39	0.343	0.008	19.6	3025.1	0.0
40	-44.20	0.342	0.008	19.6	3089.3	0.0
41	-44.02	0.341	0.008	19.6	3153.1	0.0
42	-43.84	0.340	0.008	19.6	3216.5	0.0
43	-43.66	0.339	0.008	19.6	3279.3	0.0
44	-43.48	0.338	0.008	19.6	3341.7	0.0
45	-43.30	0.337	0.008	19.6	3403.6	0.0
46	-43.12	0.336	0.008	19.6	3465.1	0.0
47	-42.95	0.335	0.008	19.6	3526.0	0.0
48	-42.77	0.334	0.008	19.6	3586.6	0.0
49	-42.59	0.333	0.008	19.6	3646.7	0.0
50	-42.41	0.332	0.008	19.6	3712.6	0.0
51	-42.23	0.331	0.008	19.6	3733.4	0.0
52	-42.06	0.330	0.008	19.6	3753.8	0.0
53	-41.88	0.329	0.008	19.6	3773.7	0.0
54	-41.71	0.328	0.008	19.6	3793.3	0.0
55	-41.53	0.328	0.008	19.6	3812.3	0.0
56	-41.36	0.327	0.008	19.6	3831.0	0.0
57	-41.19	0.326	0.008	19.6	3849.3	0.0
58	-41.01	0.325	0.008	19.6	3867.1	0.0
59	-40.84	0.324	0.008	19.6	3884.5	0.0
60	-40.67	0.323	0.008	19.6	3901.5	0.0
61	-40.50	0.322	0.008	19.6	3918.1	0.0
62	-40.33	0.322	0.008	19.6	3934.3	0.0
63	-40.16	0.321	0.008	19.6	3950.1	0.0
64	-39.98	0.320	0.008	19.6	3965.5	0.0
65	-39.81	0.319	0.008	19.6	3980.5	0.0
66	-39.65	0.318	0.008	19.6	3995.1	0.0
67	-39.48	0.318	0.008	19.6	4009.3	0.0

68	-39.31	0.317	0.008	19.6	4023.2	0.0
69	-39.14	0.316	0.008	19.6	4036.6	0.0
70	-38.97	0.315	0.008	19.6	4049.7	0.0
71	-38.80	0.315	0.008	19.6	4062.2	0.0
72	-38.64	0.314	0.008	19.6	4072.9	0.0
73	-38.47	0.313	0.008	19.6	4083.3	0.0
74	-38.30	0.312	0.008	19.6	4093.2	0.0
75	-38.14	0.312	0.008	19.6	4102.8	0.0
76	-37.97	0.311	0.008	19.6	4112.1	0.0
77	-37.81	0.310	0.008	19.6	4121.0	0.0
78	-37.64	0.310	0.008	19.6	4129.5	0.0
79	-37.48	0.309	0.008	19.6	4137.6	0.0
80	-37.31	0.308	0.008	19.6	4145.4	0.0
81	-37.15	0.308	0.008	19.6	4152.8	0.0
82	-36.98	0.307	0.008	19.6	4159.9	0.0
83	-36.82	0.306	0.008	19.6	4166.7	0.0
84	-36.66	0.306	0.008	19.6	4173.1	0.0
85	-36.49	0.305	0.008	19.6	4179.1	0.0
86	-36.33	0.304	0.008	19.6	4184.8	0.0
87	-36.17	0.304	0.008	19.6	4190.2	0.0
88	-36.01	0.303	0.008	19.6	4195.2	0.0
89	-35.85	0.303	0.008	19.6	4199.9	0.0
90	-35.69	0.302	0.008	19.6	4204.3	0.0
91	-35.53	0.301	0.008	19.6	4208.3	0.0
92	-35.37	0.301	0.008	19.6	4212.0	0.0
93	-35.21	0.300	0.008	19.6	4209.8	0.0
94	-35.05	0.300	0.008	19.6	4206.2	0.0
95	-34.89	0.299	0.008	19.6	4202.4	0.0
96	-34.73	0.298	0.008	19.6	4198.2	0.0
97	-34.57	0.298	0.008	19.6	4193.6	0.0
98	-34.42	0.297	0.008	19.6	4188.8	0.0
99	-34.26	0.297	0.008	19.6	4183.6	0.0
100	-34.10	0.296	0.008	19.6	4178.2	0.0
101	-33.94	0.296	0.008	19.6	4172.4	0.0
102	-33.79	0.295	0.008	19.6	4166.3	0.0
103	-33.63	0.294	0.008	19.6	4159.9	0.0
104	-33.47	0.294	0.008	19.6	4153.2	0.0
105	-33.31	0.293	0.008	19.6	4146.1	0.0
106	-33.16	0.293	0.008	19.6	4138.8	0.0
107	-33.01	0.292	0.000	11.3	4132.5	0.0
108	-32.85	0.292	0.000	11.3	4149.5	0.0
109	-32.69	0.291	0.000	11.3	4166.1	0.0
110	-32.54	0.291	0.000	11.3	4182.3	0.0
111	-32.38	0.290	0.000	11.3	4198.1	0.0
112	-32.23	0.290	0.000	11.3	4213.4	0.0
113	-32.08	0.289	0.000	13.7	4228.5	0.0
114	-31.92	0.289	0.000	13.7	4243.9	0.0
115	-31.77	0.288	0.000	13.7	4258.8	0.0
116	-31.61	0.288	0.000	13.7	4273.4	0.0
117	-31.46	0.287	0.000	13.7	4287.5	0.0
118	-31.31	0.287	0.000	13.7	4301.2	0.0
119	-31.16	0.287	0.000	13.7	4314.5	0.0
120	-31.00	0.286	0.000	13.7	4327.3	0.0
121	-30.85	0.286	0.000	13.7	4339.8	0.0
122	-30.70	0.285	0.000	13.7	4351.8	0.0
123	-30.55	0.285	0.000	13.7	4363.5	0.0
124	-30.40	0.284	0.000	13.7	4374.7	0.0
125	-30.25	0.284	0.000	13.7	4385.5	0.0
126	-30.10	0.283	0.000	13.7	4395.9	0.0
127	-29.95	0.283	0.000	13.7	4405.9	0.0
128	-29.80	0.283	0.000	13.7	4415.6	0.0
129	-29.65	0.282	0.000	13.7	4424.8	0.0
130	-29.49	0.282	0.000	13.7	4433.6	0.0
131	-29.35	0.281	0.000	13.7	4441.3	0.0
132	-29.20	0.281	0.000	13.7	4454.4	0.0
133	-29.05	0.280	0.000	13.7	4475.4	0.0
134	-28.90	0.280	0.000	13.7	4496.0	0.0
135	-28.75	0.280	0.000	13.7	4516.1	0.0
136	-28.60	0.279	0.000	13.7	4535.8	0.0
137	-28.45	0.279	0.000	13.7	4555.0	0.0
138	-28.30	0.278	0.000	13.7	4573.7	0.0

139	-28.15	0.278	0.000	13.7	4592.0	0.0
140	-28.01	0.278	0.000	13.7	4609.8	0.0
141	-27.86	0.277	0.000	13.7	4627.1	0.0
142	-27.71	0.277	0.000	13.7	4644.0	0.0
143	-27.56	0.277	0.000	13.7	4660.5	0.0
144	-27.42	0.276	0.000	13.7	4676.4	0.0
145	-27.27	0.276	0.000	13.7	4692.0	0.0
146	-27.12	0.275	0.000	13.7	4707.1	0.0
147	-26.98	0.275	0.000	13.7	4721.7	0.0
148	-26.83	0.275	0.000	13.7	4735.9	0.0
149	-26.68	0.274	0.000	13.7	4749.7	0.0
150	-26.54	0.274	0.000	13.7	4763.0	0.0
151	-26.39	0.274	0.000	13.7	4775.8	0.0
152	-26.25	0.273	0.000	13.7	4794.8	0.0
153	-26.10	0.273	0.000	13.7	4813.3	0.0
154	-25.96	0.273	0.000	13.7	4833.5	0.0
155	-25.81	0.272	0.000	13.7	4855.2	0.0
156	-25.67	0.272	0.000	13.7	4876.5	0.0
157	-25.52	0.272	0.000	13.7	4897.4	0.0
158	-25.38	0.271	0.000	13.7	4917.9	0.0
159	-25.23	0.271	0.000	13.7	4937.9	0.0
160	-25.09	0.271	0.000	13.7	4957.5	0.0
161	-24.95	0.270	0.000	13.7	4976.6	0.0
162	-24.80	0.270	0.000	13.7	5086.4	0.0
163	-24.66	0.270	0.000	13.7	5073.1	0.0
164	-24.52	0.269	0.000	13.7	5059.3	0.0
165	-24.37	0.269	0.000	13.7	5045.2	0.0
166	-24.23	0.269	0.000	13.7	5030.6	0.0
167	-24.09	0.269	0.000	13.7	5015.7	0.0
168	-23.94	0.268	0.000	13.7	5000.3	0.0
169	-23.80	0.268	0.000	13.7	4984.5	0.0
170	-23.66	0.268	0.000	13.7	4968.2	0.0
171	-23.52	0.267	0.000	13.7	4951.6	0.0
172	-23.37	0.267	0.000	13.7	4934.6	0.0
173	-23.23	0.267	0.000	13.7	4917.1	0.0
174	-23.09	0.267	0.000	13.7	4908.5	0.0
175	-22.95	0.266	0.000	13.7	4965.1	0.0
176	-22.80	0.266	0.000	13.7	5021.4	0.0
177	-22.67	0.266	0.000	13.7	5077.3	0.0
178	-22.52	0.265	0.000	13.7	5132.5	0.0
179	-22.38	0.265	0.000	13.7	5182.7	0.0
180	-22.24	0.265	0.000	13.7	5232.4	0.0
181	-22.10	0.265	0.000	13.7	5281.7	0.0
182	-21.96	0.264	0.000	13.7	5330.7	0.0
183	-21.82	0.264	0.000	13.7	5379.3	0.0
184	-21.68	0.264	0.000	13.7	5427.4	0.0
185	-21.54	0.264	0.000	13.7	5477.5	0.0
186	-21.40	0.263	0.000	13.7	5529.7	0.0
187	-21.26	0.263	0.000	13.7	5581.4	0.0
188	-21.12	0.263	0.000	13.7	5632.8	0.0
189	-20.98	0.263	0.000	13.7	5683.8	0.0
190	-20.84	0.262	0.000	13.7	5734.4	0.0
191	-20.70	0.262	0.000	13.7	5784.6	0.0
192	-20.56	0.262	0.000	13.7	5834.5	0.0
193	-20.42	0.262	0.000	13.7	5883.9	0.0
194	-20.28	0.261	0.000	13.7	5933.0	0.0
195	-20.14	0.261	0.000	13.7	5981.7	0.0
196	-20.01	0.261	0.000	13.7	6030.0	0.0
197	-19.87	0.261	0.000	13.7	6077.9	0.0
198	-19.73	0.260	0.176	14.5	6125.5	0.0
199	-19.59	0.260	0.176	14.5	6172.7	0.0
200	-19.45	0.260	0.176	14.5	6219.5	0.0
201	-19.31	0.260	0.176	14.5	6265.9	0.0
202	-19.17	0.260	0.176	14.5	6311.9	0.0
203	-19.04	0.259	0.176	14.5	6357.6	0.0
204	-18.90	0.259	0.176	14.5	6402.9	0.0
205	-18.76	0.259	0.176	14.5	6447.8	0.0
206	-18.62	0.259	0.176	14.5	6492.4	0.0
207	-18.48	0.259	0.176	14.5	6536.6	0.0
208	-18.35	0.258	0.176	14.5	6580.4	0.0
209	-18.21	0.258	0.176	14.5	6623.9	0.0

210	-18.07	0.258	0.176	14.5	6672.4	0.0
211	-17.94	0.258	0.000	13.7	6727.6	0.0
212	-17.80	0.258	0.000	13.7	6782.4	0.0
213	-17.66	0.257	0.000	13.7	6819.6	0.0
214	-17.52	0.257	0.000	13.7	6806.3	0.0
215	-17.39	0.257	0.000	13.7	6792.6	0.0
216	-17.25	0.257	0.000	13.7	6778.5	0.0
217	-17.12	0.257	0.000	13.7	6764.1	0.0
218	-16.98	0.256	0.000	13.7	6744.1	0.0
219	-16.84	0.256	0.000	13.7	6718.2	0.0
220	-16.71	0.256	0.000	13.7	6691.9	0.0
221	-16.57	0.256	0.000	13.7	6665.2	0.0
222	-16.43	0.256	0.000	13.7	6638.2	0.0
223	-16.30	0.255	0.000	13.7	6610.8	0.0
224	-16.16	0.255	0.000	13.7	6583.1	0.0
225	-16.02	0.255	0.000	13.7	6555.0	0.0
226	-15.89	0.255	0.000	13.7	6526.6	0.0
227	-15.75	0.255	0.000	13.7	6497.8	0.0
228	-15.62	0.255	0.000	13.7	6468.7	0.0
229	-15.48	0.254	0.000	13.7	6440.6	0.0
230	-15.35	0.254	0.000	13.7	6412.5	0.0
231	-15.21	0.254	0.000	13.7	6392.3	0.0
232	-15.08	0.254	0.000	13.7	6386.8	0.0
233	-14.94	0.254	0.000	13.7	6381.0	0.0
234	-14.81	0.254	0.000	13.7	6374.8	0.0
235	-14.67	0.253	0.000	13.7	6368.3	0.0
236	-14.54	0.253	0.000	13.7	6354.8	0.0
237	-14.40	0.253	0.000	13.7	6333.2	0.0
238	-14.27	0.253	0.000	13.7	6311.3	0.0
239	-14.13	0.253	0.000	13.7	6289.0	0.0
240	-14.00	0.253	0.000	13.7	6266.4	0.0
241	-13.86	0.253	0.000	13.7	6243.4	0.0
242	-13.73	0.252	0.000	13.7	6220.1	0.0
243	-13.60	0.252	0.000	13.7	6196.4	0.0
244	-13.46	0.252	0.000	13.7	6172.4	0.0
245	-13.33	0.252	0.000	13.7	6148.1	0.0
246	-13.19	0.252	0.000	13.7	6123.4	0.0
247	-13.06	0.252	0.000	13.7	6098.4	0.0
248	-12.93	0.252	0.000	13.7	6073.0	0.0
249	-12.79	0.251	0.000	13.7	6047.3	0.0
250	-12.66	0.251	0.000	13.7	6021.3	0.0
251	-12.52	0.251	0.000	13.7	5994.9	0.0
252	-12.39	0.251	0.000	13.7	5969.5	0.0
253	-12.26	0.251	0.000	13.7	5943.7	0.0
254	-12.12	0.251	0.000	13.7	5917.6	0.0
255	-11.99	0.251	0.000	13.7	5891.2	0.0
256	-11.86	0.251	0.000	13.7	5864.4	0.0
257	-11.73	0.250	0.000	13.7	5837.3	0.0
258	-11.59	0.250	0.000	13.7	5809.9	0.0
259	-11.46	0.250	0.000	13.7	5782.1	0.0
260	-11.33	0.250	0.000	13.7	5754.0	0.0
261	-11.19	0.250	0.000	13.7	5725.5	0.0
262	-11.06	0.250	0.000	13.7	5696.7	0.0
263	-10.93	0.250	0.000	13.7	5668.1	0.0
264	-10.79	0.250	0.000	13.7	5648.7	0.0
265	-10.66	0.249	0.000	13.7	5629.0	0.0
266	-10.53	0.249	0.000	13.7	5616.2	0.0
267	-10.40	0.249	0.000	13.7	5642.6	0.0
268	-10.26	0.249	0.000	13.7	5668.6	0.0
269	-10.13	0.249	0.000	13.7	5694.3	0.0
270	-10.00	0.249	0.000	13.7	5719.7	0.0
271	-9.87	0.249	18.300	0.0	8349.4	0.0
272	-9.73	0.249	18.300	0.0	8387.8	0.0
273	-9.60	0.249	18.300	0.0	8425.8	0.0
274	-9.47	0.249	0.000	13.7	5817.9	0.0
275	-9.34	0.248	0.000	13.7	5841.6	0.0
276	-9.21	0.248	0.000	13.7	5865.0	0.0
277	-9.07	0.248	0.000	13.7	5888.1	0.0
278	-8.94	0.248	0.000	13.7	5910.9	0.0
279	-8.81	0.248	0.000	13.7	5933.3	0.0
280	-8.68	0.248	0.000	13.7	5955.4	0.0

281	-8.54	0.248	18.300	0.0	8711.3	0.0
282	-8.41	0.248	18.300	0.0	8741.2	0.0
283	-8.28	0.248	18.300	0.0	8757.1	0.0
284	-8.15	0.248	18.300	0.0	8772.5	0.0
285	-8.02	0.248	18.300	0.0	8787.4	0.0
286	-7.89	0.248	0.000	13.7	6052.5	0.0
287	-7.75	0.247	0.000	13.7	6065.5	0.0
288	-7.62	0.247	0.000	13.7	6078.2	0.0
289	-7.49	0.247	0.000	13.7	6056.8	0.0
290	-7.36	0.247	0.000	13.7	6004.0	0.0
291	-7.23	0.247	0.000	13.7	5950.9	0.0
292	-7.10	0.247	0.000	13.7	5904.4	0.0
293	-6.97	0.247	0.000	13.7	5883.2	0.0
294	-6.83	0.247	0.000	13.7	5861.6	0.0
295	-6.70	0.247	0.000	13.7	5839.7	0.0
296	-6.57	0.247	0.000	13.7	5817.6	0.0
297	-6.44	0.247	0.000	13.7	5795.0	0.0
298	-6.31	0.247	0.000	13.7	5772.2	0.0
299	-6.18	0.247	0.000	13.7	5749.0	0.0
300	-6.05	0.247	0.000	13.7	5727.8	0.0
301	-5.92	0.246	0.000	13.7	5710.5	0.0
302	-5.78	0.246	0.000	13.7	5692.9	0.0
303	-5.65	0.246	0.000	13.7	5675.0	0.0
304	-5.52	0.246	0.000	13.7	5669.3	0.0
305	-5.39	0.246	0.000	13.7	5683.1	0.0
306	-5.26	0.246	0.000	13.7	5696.5	0.0
307	-5.13	0.246	0.000	13.7	5709.6	0.0
308	-5.00	0.246	0.000	13.7	5715.0	0.0
309	-4.87	0.246	0.000	13.7	5719.8	0.0
310	-4.74	0.246	0.000	13.7	5711.0	0.0
311	-4.61	0.246	0.000	13.7	5687.2	0.0
312	-4.47	0.246	0.000	13.7	5663.1	0.0
313	-4.34	0.246	0.000	13.7	5638.6	0.0
314	-4.21	0.246	0.000	13.7	5613.8	0.0
315	-4.08	0.246	0.000	13.7	5588.7	0.0
316	-3.95	0.246	0.000	13.7	5563.3	0.0
317	-3.82	0.246	0.000	13.7	5537.6	0.0
318	-3.69	0.246	0.000	13.7	5511.6	0.0
319	-3.56	0.246	0.000	13.7	5485.2	0.0
320	-3.43	0.246	0.000	13.7	5458.5	0.0
321	-3.30	0.246	0.000	13.7	5431.5	0.0
322	-3.17	0.246	0.000	13.7	5404.2	0.0
323	-3.04	0.246	0.000	13.7	5380.5	0.0
324	-2.91	0.245	0.000	13.7	5359.7	0.0
325	-2.78	0.245	0.000	13.7	5338.6	0.0
326	-2.64	0.245	0.000	13.7	5317.1	0.0
327	-2.52	0.245	0.000	13.7	5323.3	0.0
328	-2.38	0.245	0.000	13.7	5329.2	0.0
329	-2.25	0.245	0.000	13.7	5334.8	0.0
330	-2.12	0.245	0.000	13.7	5340.1	0.0
331	-1.99	0.245	0.000	13.7	5345.0	0.0
332	-1.86	0.245	0.000	13.7	5349.7	0.0
333	-1.73	0.245	0.000	13.7	5354.0	0.0
334	-1.60	0.245	0.000	13.7	5358.1	0.0
335	-1.47	0.245	0.000	13.7	5361.8	0.0
336	-1.34	0.245	0.000	13.7	5365.5	0.0
337	-1.21	0.245	0.000	13.7	5368.9	0.0
338	-1.08	0.245	0.000	13.7	5372.1	0.0
339	-0.95	0.245	0.000	13.7	5374.9	0.0
340	-0.82	0.245	0.000	13.7	5377.4	0.0
341	-0.69	0.245	0.000	13.7	5379.5	0.0
342	-0.56	0.245	0.000	13.7	5381.4	0.0
343	-0.43	0.245	0.000	13.7	5383.0	0.0
344	-0.30	0.245	0.000	13.7	5384.2	0.0
345	-0.17	0.245	0.000	13.7	5385.1	0.0
346	-0.04	0.245	0.000	13.7	5384.7	0.0
347	0.09	0.245	0.000	13.7	5382.7	0.0
348	0.23	0.245	0.000	13.7	5379.1	0.0
349	0.35	0.245	0.000	13.7	5362.6	0.0
350	0.49	0.245	0.000	13.7	5345.9	0.0
351	0.62	0.245	0.000	13.7	5328.9	0.0

352	0.75	0.245	0.000	13.7	5311.6	0.0
353	0.88	0.245	0.000	13.7	5293.9	0.0
354	1.01	0.245	0.000	13.7	5275.9	0.0
355	1.14	0.245	0.000	13.7	5257.6	0.0
356	1.27	0.245	0.000	13.7	5239.0	0.0
357	1.40	0.245	0.000	13.7	5220.1	0.0
358	1.53	0.245	0.000	13.7	5200.9	0.0
359	1.66	0.245	0.000	13.7	5181.3	0.0
360	1.79	0.245	0.000	13.7	5161.4	0.0
361	1.92	0.245	0.000	13.7	5141.0	0.0
362	2.05	0.245	0.000	13.7	5119.3	0.0
363	2.18	0.245	0.000	13.7	5097.3	0.0
364	2.31	0.245	0.000	13.7	5074.9	0.0
365	2.44	0.245	0.000	13.7	5052.2	0.0
366	2.57	0.245	0.000	13.7	5029.2	0.0
367	2.70	0.245	0.000	13.7	5005.9	0.0
368	2.84	0.245	0.000	13.7	4982.3	0.0
369	2.97	0.246	0.000	13.7	4958.3	0.0
370	3.10	0.246	0.000	13.7	4934.1	0.0
371	3.23	0.246	0.000	13.7	4909.5	0.0
372	3.36	0.246	0.000	13.7	4884.6	0.0
373	3.49	0.246	0.000	13.7	4859.4	0.0
374	3.62	0.246	0.000	13.7	4833.9	0.0
375	3.75	0.246	0.000	13.7	4821.3	0.0
376	3.88	0.246	0.000	13.7	4808.6	0.0
377	4.01	0.246	0.000	13.7	4795.5	0.0
378	4.14	0.246	0.000	13.7	4782.1	0.0
379	4.27	0.246	0.000	13.7	4768.3	0.0
380	4.40	0.246	0.000	13.7	4755.1	0.0
381	4.54	0.246	0.000	13.7	4747.0	0.0
382	4.66	0.246	0.000	13.7	4738.7	0.0
383	4.80	0.246	0.000	13.7	4730.1	0.0
384	4.93	0.246	0.000	13.7	4721.1	0.0
385	5.06	0.246	0.000	13.7	4711.8	0.0
386	5.19	0.246	0.000	13.7	4702.2	0.0
387	5.32	0.246	0.000	13.7	4692.3	0.0
388	5.45	0.246	0.000	13.7	4682.0	0.0
389	5.58	0.246	0.000	13.7	4671.5	0.0
390	5.71	0.246	0.000	13.7	4659.8	0.0
391	5.85	0.246	0.000	13.7	4646.1	0.0
392	5.97	0.247	0.000	13.7	4632.0	0.0
393	6.11	0.247	0.000	13.7	4617.6	0.0
394	6.24	0.247	0.000	13.7	4602.8	0.0
395	6.37	0.247	0.000	13.7	4587.8	0.0
396	6.50	0.247	0.000	13.7	4572.4	0.0
397	6.63	0.247	0.000	13.7	4556.7	0.0
398	6.76	0.247	0.000	13.7	4540.6	0.0
399	6.89	0.247	0.000	13.7	4524.3	0.0
400	7.02	0.247	0.000	13.7	4507.6	0.0
401	7.16	0.247	0.000	13.7	4490.6	0.0
402	7.29	0.247	0.000	13.7	4473.3	0.0
403	7.42	0.247	0.000	13.7	4455.7	0.0
404	7.55	0.247	0.000	13.7	4437.8	0.0
405	7.68	0.247	0.000	13.7	4419.5	0.0
406	7.81	0.247	0.000	13.7	4400.9	0.0
407	7.95	0.248	0.000	13.7	4381.9	0.0
408	8.08	0.248	0.000	13.7	4362.7	0.0
409	8.21	0.248	0.000	13.7	4343.1	0.0
410	8.34	0.248	0.000	13.7	4323.2	0.0
411	8.47	0.248	0.000	13.7	4303.0	0.0
412	8.61	0.248	0.000	13.7	4282.4	0.0
413	8.74	0.248	0.000	13.7	4261.6	0.0
414	8.87	0.248	0.000	13.7	4240.4	0.0
415	9.00	0.248	0.000	13.7	4218.8	0.0
416	9.13	0.248	0.000	13.7	4197.0	0.0
417	9.26	0.248	0.000	13.7	4174.8	0.0
418	9.40	0.249	0.000	13.7	4152.3	0.0
419	9.53	0.249	0.000	13.7	4129.5	0.0
420	9.66	0.249	0.000	13.7	4106.3	0.0
421	9.80	0.249	0.000	13.7	4082.8	0.0
422	9.93	0.249	0.000	13.7	4059.0	0.0

423	10.06	0.249	0.000	13.7	4036.0	0.0
424	10.19	0.249	0.000	13.7	4014.8	0.0
425	10.32	0.249	0.000	13.7	3993.1	0.0
426	10.46	0.249	0.000	13.7	3971.2	0.0
427	10.59	0.249	0.000	13.7	3948.9	0.0
428	10.72	0.250	0.000	13.7	3926.3	0.0
429	10.85	0.250	0.000	13.7	3903.3	0.0
430	10.99	0.250	0.000	13.7	3880.1	0.0
431	11.12	0.250	0.000	13.7	3856.5	0.0
432	11.25	0.250	0.000	13.7	3832.5	0.0
433	11.39	0.250	0.000	13.7	3808.2	0.0
434	11.52	0.250	0.000	13.7	3783.6	0.0
435	11.65	0.250	0.000	13.7	3758.7	0.0
436	11.79	0.250	0.000	13.7	3733.4	0.0
437	11.92	0.251	0.000	13.7	3707.8	0.0
438	12.05	0.251	0.000	13.7	3678.8	0.0
439	12.19	0.251	0.000	13.7	3648.6	0.0
440	12.32	0.251	0.000	13.7	3618.1	0.0
441	12.45	0.251	0.000	13.7	3587.2	0.0
442	12.59	0.251	0.000	13.7	3556.0	0.0
443	12.72	0.251	0.000	13.7	3524.5	0.0
444	12.86	0.251	0.000	13.7	3492.6	0.0
445	12.99	0.252	0.000	13.7	3460.4	0.0
446	13.12	0.252	0.000	13.7	3427.8	0.0
447	13.26	0.252	0.000	13.7	3394.9	0.0
448	13.39	0.252	0.000	13.7	3361.7	0.0
449	13.52	0.252	0.000	13.7	3328.1	0.0
450	13.66	0.252	0.000	13.7	3294.2	0.0
451	13.79	0.252	0.000	13.7	3259.9	0.0
452	13.93	0.253	0.000	13.7	3225.3	0.0
453	14.06	0.253	0.000	13.7	3190.3	0.0
454	14.20	0.253	0.000	13.7	3155.0	0.0
455	14.33	0.253	0.000	13.7	3119.4	0.0
456	14.47	0.253	0.000	13.7	3083.4	0.0
457	14.60	0.253	0.000	13.7	3047.1	0.0
458	14.74	0.254	0.000	13.7	3010.3	0.0
459	14.87	0.254	0.000	13.7	2973.2	0.0
460	15.01	0.254	0.000	13.7	2935.8	0.0
461	15.14	0.254	0.000	13.7	2898.0	0.0
462	15.28	0.254	0.000	13.7	2859.9	0.0
463	15.41	0.254	0.000	13.7	2821.4	0.0
464	15.55	0.254	0.000	13.7	2784.0	0.0
465	15.68	0.255	0.000	13.7	2746.4	0.0
466	15.82	0.255	0.000	13.7	2708.4	0.0
467	15.95	0.255	0.000	13.7	2670.1	0.0
468	16.09	0.255	0.000	13.7	2626.0	0.0
469	16.22	0.255	0.000	13.7	2559.8	0.0
470	16.36	0.256	0.000	13.7	2449.8	0.0
471	16.49	0.256	0.000	13.7	2339.5	0.0
472	16.63	0.256	0.000	13.7	2228.8	0.0
473	16.77	0.256	0.000	13.7	2167.0	0.0
474	16.90	0.256	0.000	13.7	2125.2	0.0
475	17.04	0.256	0.000	13.7	2083.0	0.0
476	17.18	0.257	0.000	13.7	2040.4	0.0
477	17.31	0.257	0.000	13.7	1997.5	0.0
478	17.45	0.257	0.000	13.7	1958.7	0.0
479	17.59	0.257	0.000	13.7	1836.6	0.0
480	17.73	0.257	0.000	13.7	1710.1	0.0
481	17.86	0.258	0.000	13.7	1583.4	0.0
482	18.00	0.258	0.000	13.7	1476.2	0.0
483	18.14	0.258	0.000	13.7	1419.1	0.0
484	18.27	0.258	0.000	13.7	1361.7	0.0
485	18.41	0.258	0.000	13.7	1303.9	0.0
486	18.55	0.259	0.000	13.7	1245.9	0.0
487	18.68	0.259	0.000	13.7	1187.6	0.0
488	18.82	0.259	0.000	13.7	1128.9	0.0
489	18.96	0.259	0.000	13.7	1048.2	0.0
490	19.10	0.259	0.000	13.7	958.7	0.0
491	19.24	0.260	0.000	13.7	868.9	0.0
492	19.38	0.260	0.000	13.7	778.8	0.0
493	19.51	0.260	0.000	13.7	688.3	0.0

494	19.65	0.260	0.000	13.7	597.5	0.0
495	19.79	0.261	0.000	13.7	506.5	0.0
496	19.93	0.261	0.000	13.7	415.1	0.0
497	20.07	0.261	0.000	13.7	323.4	0.0
498	20.21	0.261	0.000	13.7	231.4	0.0
499	20.35	0.261	0.000	13.7	139.1	0.0
500	20.49	0.262	0.000	13.7	46.4	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-499.7	-915.5	1592.3	694.0	-80.0
2	-825.6	-1140.8	1538.8	785.5	-237.1
3	-908.6	-1265.3	1404.3	874.9	-390.6
4	-972.8	-1291.3	1526.3	962.2	-540.4
5	-1028.9	-1221.2	1660.0	1047.4	-686.7
6	-1542.2	-739.7	1404.0	527.8	-792.3
7	-1469.4	-198.5	822.1	584.8	-885.5
8	-1441.5	401.0	968.8	640.5	-976.5
9	-1464.3	1057.2	1122.1	695.0	-1065.4
10	-1543.9	1769.0	1281.9	748.2	-1152.2
11	-1685.9	2534.8	1448.0	800.2	-1236.9
12	-1896.0	3353.4	1620.3	851.0	-1319.6
13	-2179.3	4223.5	1798.3	900.8	-1400.4
14	-2541.3	5143.9	1982.4	949.5	-1479.4
15	-2986.7	6113.3	2171.8	997.0	-1556.3
16	-3520.4	7130.5	2366.7	1043.6	-1631.7
17	-4146.9	8194.4	2566.5	1089.2	-1705.1
18	-4870.9	9303.8	2771.7	1133.8	-1776.8
19	-5697.0	10457.5	2982.1	1177.4	-1846.9
20	-6628.6	11654.5	3196.3	1220.2	-1915.3
21	-7670.5	12893.6	3415.9	1262.0	-1982.0
22	-8826.0	14173.8	3639.4	1302.9	-2047.2
23	-10099.8	15494.1	3868.1	1343.1	-2111.0
24	-11494.1	16853.4	4099.4	1382.4	-2173.2
25	-13013.3	18250.7	4335.6	1420.8	-2233.7
26	-14660.8	19685.1	4575.9	1458.6	-2293.1
27	-16439.8	21155.6	4819.5	1495.6	-2351.0
28	-18353.1	22661.1	5066.7	1531.8	-2407.3
29	-20403.4	24200.9	5316.7	1567.3	-2462.4
30	-22635.5	25774.0	5620.3	1602.1	-2516.2
31	-25064.0	27380.1	5942.4	1636.8	-2569.7
32	-27652.4	29018.7	6221.6	1671.2	-2622.5
33	-30402.9	30689.2	6503.9	1705.2	-2674.4
34	-33315.1	32390.9	6785.6	1738.7	-2725.3
35	-36393.6	34122.8	7072.8	1771.5	-2774.9
36	-39638.3	35884.0	7360.1	1803.5	-2822.9
37	-43054.4	37673.7	7653.1	1835.1	-2870.2
38	-46641.3	39491.4	7945.7	1866.1	-2916.3
39	-50404.6	41335.8	8244.9	1896.4	-2960.9
40	-54342.6	43206.5	8542.1	1926.3	-3004.8
41	-58459.5	45102.7	8844.2	1955.5	-3047.4
42	-62758.9	47023.5	9150.8	1984.3	-3089.0
43	-67238.7	48968.2	9454.9	2012.5	-3129.5
44	-71904.9	50936.2	9766.1	2040.2	-3169.1
45	-76755.0	52926.6	10074.2	2067.3	-3207.5
46	-81794.5	54938.9	10389.1	2094.1	-3245.1
47	-87020.7	56972.4	10700.6	2120.4	-3281.8
48	-92439.7	59026.2	11019.6	2146.1	-3317.2
49	-98047.5	61100.0	11333.7	2171.5	-3352.1
50	-98660.3	63196.3	5338.2	2199.9	-3391.4
51	-93816.7	65289.2	-1287.1	2202.0	-3389.3
52	-88492.8	67378.6	-1849.9	2203.9	-3386.8
53	-82694.8	69464.3	-2406.9	2205.6	-3384.1
54	-76418.6	71545.8	-2970.4	2207.1	-3380.9
55	-69670.8	73622.7	-3527.3	2208.3	-3377.0
56	-62447.0	75694.9	-4091.4	2209.4	-3372.8
57	-54752.6	77762.0	-4650.2	2210.2	-3368.3
58	-46588.5	79823.7	-5209.6	2210.8	-3363.2

59	-37955.9	81879.7	-5769.0	2211.2	-3357.8
60	-28855.8	83930.1	-6328.7	2211.6	-3352.4
61	-19292.2	85974.2	-6884.8	2211.6	-3346.1
62	-9265.7	88011.9	-7441.8	2211.5	-3339.7
63	1223.3	90042.9	-7999.7	2211.3	-3332.9
64	12167.9	92067.1	-8550.7	2210.8	-3325.7
65	23568.4	94084.1	-9103.4	2210.2	-3318.2
66	35422.5	96093.8	-9654.5	2209.4	-3310.5
67	47726.6	98095.9	-10202.7	2208.5	-3302.3
68	60478.7	100090.3	-10749.8	2207.4	-3293.9
69	73675.2	102076.6	-11293.8	2206.1	-3285.1
70	87314.3	104054.7	-11836.9	2204.7	-3276.0
71	102964.8	106024.2	-14331.0	2203.0	-3266.5
72	119728.8	107984.4	-15714.8	2200.5	-3255.6
73	136998.6	109934.8	-16345.1	2197.7	-3244.3
74	154776.1	111875.7	-16978.9	2195.0	-3233.1
75	173056.1	113806.7	-17607.7	2192.1	-3221.5
76	191827.6	115727.4	-18224.6	2188.9	-3209.3
77	211096.1	117637.9	-18849.2	2185.7	-3197.3
78	230849.2	119538.0	-19460.1	2182.3	-3184.8
79	251086.8	121427.4	-20072.2	2178.8	-3172.1
80	271804.0	123306.0	-20679.4	2175.2	-3159.2
81	292993.8	125174.1	-21278.8	2171.7	-3146.5
82	314652.8	127031.0	-21875.8	2167.7	-3133.0
83	336777.1	128876.8	-22468.9	2163.9	-3119.7
84	359360.0	130711.1	-23055.2	2159.7	-3105.8
85	382395.7	132533.9	-23635.3	2155.5	-3091.8
86	405885.1	134345.3	-24217.6	2151.3	-3077.8
87	429815.1	136144.9	-24784.8	2146.9	-3063.5
88	454189.6	137932.8	-25357.9	2142.4	-3049.2
89	478994.0	139708.8	-25914.1	2137.9	-3034.6
90	504233.0	141473.0	-26476.6	2133.3	-3020.2
91	529892.5	143225.0	-27023.4	2128.5	-3005.0
92	556852.1	144964.8	-28682.6	2123.7	-2990.1
93	585639.0	146689.9	-31019.1	2115.8	-2970.7
94	614881.5	148400.0	-31623.5	2107.6	-2950.9
95	644562.6	150094.9	-32208.2	2099.2	-2930.7
96	674679.1	151774.5	-32789.8	2090.7	-2910.5
97	705216.0	153438.9	-33353.7	2082.2	-2890.1
98	736177.4	155088.0	-33923.5	2073.6	-2869.9
99	767545.7	156721.8	-34472.4	2064.9	-2849.4
100	799319.8	158340.1	-35020.9	2056.1	-2828.8
101	831491.6	159943.0	-35560.0	2047.4	-2808.2
102	864055.4	161530.5	-36093.0	2038.5	-2787.5
103	896997.2	163102.4	-36609.4	2029.5	-2766.7
104	930321.7	164658.8	-37132.4	2020.5	-2745.9
105	964014.4	166199.7	-37638.1	2011.4	-2725.0
106	998068.7	167725.2	-38136.2	2002.4	-2704.3
107	1027438.9	169720.6	-19106.0	1169.9	-2684.2
108	1065284.0	171710.4	-25519.8	1171.1	-2679.2
109	1103686.3	173694.2	-25940.1	1172.2	-2673.9
110	1142640.1	175672.0	-26356.7	1173.2	-2668.4
111	1182141.4	177643.3	-26770.9	1174.1	-2662.5
112	1222183.9	179607.9	-27181.0	1174.9	-2656.2
113	1264054.7	181426.9	-34333.3	1411.4	-2650.0
114	1304132.2	183239.1	-32699.7	1412.5	-2643.8
115	1344697.2	185044.4	-33147.0	1413.6	-2637.5
116	1385744.5	186842.2	-33590.6	1414.4	-2630.5
117	1427269.2	188632.5	-34030.2	1415.2	-2623.5
118	1469269.3	190415.0	-34468.9	1415.8	-2616.0
119	1511738.8	192189.7	-34902.6	1416.4	-2608.5
120	1554668.3	193956.1	-35328.8	1416.7	-2600.4
121	1598059.3	195714.2	-35756.7	1417.0	-2592.3
122	1641901.4	197463.8	-36175.8	1417.2	-2584.0
123	1686189.1	199204.7	-36590.8	1417.3	-2575.2
124	1730917.6	200936.6	-37001.9	1417.2	-2566.3
125	1776089.0	202659.7	-37415.3	1417.1	-2557.4
126	1821682.6	204373.4	-37810.9	1416.8	-2547.8
127	1867706.8	206077.8	-38214.6	1416.5	-2538.3
128	1914150.7	207772.6	-38609.0	1416.0	-2528.4
129	1960999.1	209457.6	-38990.0	1415.4	-2518.3

130	2008256.8	211132.6	-39376.4	1414.7	-2507.9
131	2055916.5	212797.4	-39757.0	1413.7	-2497.0
132	2103943.0	214457.1	-40116.5	1408.9	-2489.1
133	2152366.2	216118.4	-40516.0	1400.1	-2485.6
134	2201306.4	217781.1	-41026.9	1391.1	-2481.6
135	2250760.4	219444.9	-41535.1	1382.2	-2477.6
136	2300717.7	221109.5	-42034.5	1373.3	-2473.1
137	2351180.0	222774.5	-42536.0	1364.3	-2468.3
138	2402281.7	224439.5	-43162.5	1355.3	-2462.9
139	2453890.8	226104.4	-43667.5	1346.3	-2457.5
140	2505858.1	227768.9	-44035.2	1337.3	-2451.8
141	2558311.5	229432.7	-44521.7	1328.3	-2445.7
142	2611246.3	231095.4	-45004.4	1319.2	-2439.4
143	2664666.6	232756.8	-45491.8	1310.1	-2432.6
144	2718571.3	234416.7	-45978.2	1301.0	-2425.8
145	2772953.8	236074.9	-46459.4	1291.9	-2418.7
146	2827800.7	237731.0	-46928.7	1282.7	-2411.3
147	2883120.2	239384.7	-47406.2	1273.5	-2403.5
148	2938892.9	241035.7	-47866.4	1264.3	-2395.4
149	2995139.1	242684.1	-48345.7	1255.1	-2387.3
150	3051832.5	244329.4	-48801.3	1245.9	-2378.8
151	3108980.2	245971.1	-49262.2	1237.2	-2370.1
152	3166569.1	247610.6	-49703.3	1231.3	-2364.3
153	3224613.1	249247.6	-50157.2	1225.3	-2358.4
154	3278324.5	250882.4	-46161.5	1220.0	-2353.0
155	3332284.9	252515.4	-46419.5	1215.2	-2348.5
156	3386653.8	254146.2	-46826.7	1210.3	-2343.3
157	3441421.2	255774.9	-47224.4	1205.5	-2338.4
158	3496566.5	257401.0	-47603.9	1200.5	-2332.8
159	3552109.1	259024.4	-48001.5	1195.6	-2327.3
160	3608031.0	260644.8	-48382.9	1190.6	-2321.4
161	3664315.3	262261.8	-48749.5	1185.6	-2314.9
162	3720997.7	263901.2	-49064.8	1207.6	-2350.4
163	3778393.6	265527.7	-49788.9	1193.1	-2328.8
164	3836032.0	267141.2	-50074.1	1178.5	-2307.4
165	3893887.8	268741.8	-50336.3	1164.0	-2285.9
166	3951958.1	270329.0	-50596.5	1149.4	-2263.9
167	4010251.9	271903.1	-50865.2	1134.9	-2242.2
168	4068751.4	273463.9	-51117.8	1120.3	-2220.4
169	4127441.7	275011.4	-51356.8	1105.8	-2198.5
170	4186338.3	276545.5	-51610.7	1091.2	-2176.5
171	4245428.5	278066.4	-51852.7	1076.6	-2154.7
172	4304677.9	279573.7	-52063.4	1062.0	-2132.5
173	4364143.1	281067.9	-52326.5	1047.5	-2110.9
174	4385491.2	282550.8	-16671.0	1035.6	-2092.5
175	4383369.0	284039.0	5347.8	1042.8	-2102.2
176	4381072.5	285532.2	5542.1	1049.9	-2111.3
177	4378590.7	287030.2	5746.3	1057.0	-2120.3
178	4375907.6	288532.1	5966.1	1064.1	-2128.3
179	4373025.9	290034.6	6189.8	1073.1	-2134.3
180	4369883.0	291537.3	6472.3	1082.1	-2139.8
181	4366493.9	293039.9	6740.6	1091.0	-2144.8
182	4362826.5	294541.9	7039.1	1099.8	-2149.5
183	4358888.9	296042.9	7330.1	1108.5	-2153.6
184	4354688.8	297542.9	7613.7	1117.2	-2157.7
185	4350193.0	299042.7	7925.5	1124.8	-2162.0
186	4345449.1	300543.4	8188.9	1131.2	-2166.7
187	4340456.4	302045.1	8452.9	1137.6	-2171.4
188	4335204.3	303547.2	8727.0	1144.0	-2175.6
189	4329715.5	305049.7	8979.5	1150.2	-2179.7
190	4323958.0	306552.0	9262.3	1156.4	-2183.1
191	4317928.3	308053.2	9548.5	1162.5	-2185.6
192	4311629.2	309553.7	9831.8	1168.6	-2188.5
193	4305057.9	311052.8	10118.0	1174.5	-2190.5
194	4298210.4	312550.4	10407.8	1180.5	-2192.6
195	4291086.5	314046.2	10697.8	1186.4	-2194.2
196	4283674.1	315539.7	10999.2	1192.2	-2195.4
197	4275975.7	317030.7	11298.3	1197.9	-2196.2
198	4268688.3	318185.9	13238.9	1768.8	-2196.6
199	4256003.6	319338.1	18669.6	1774.2	-2196.6
200	4243081.9	320486.8	18939.9	1779.4	-2196.2

201	4229913.1	321631.6	19220.1	1784.6	-2195.5
202	4216506.4	322772.7	19490.8	1789.8	-2194.7
203	4202858.2	323909.6	19765.4	1794.9	-2193.6
204	4188934.4	325041.6	20074.1	1799.9	-2191.7
205	4174783.9	326169.2	20333.6	1805.0	-2190.2
206	4160366.0	327291.7	20634.0	1809.9	-2188.0
207	4145681.9	328408.3	20933.5	1814.8	-2185.0
208	4130746.8	329519.4	21217.3	1819.7	-2182.4
209	4115532.0	330624.1	21530.5	1824.4	-2178.7
210	4088838.6	331723.5	33101.0	1830.7	-2177.2
211	4059458.7	333149.3	32298.3	1277.1	-2177.6
212	4035256.2	334569.8	27423.3	1285.4	-2177.2
213	4051278.8	335981.1	-10785.1	1291.0	-2171.4
214	4080451.1	337371.1	-23297.1	1289.1	-2148.9
215	4109496.7	338740.6	-23186.6	1287.2	-2127.2
216	4138352.1	340088.7	-23016.1	1285.1	-2104.7
217	4167063.1	341416.2	-22888.9	1283.1	-2082.9
218	4206153.5	342721.8	-32790.3	1279.6	-2058.9
219	4245325.3	344005.2	-32892.5	1274.6	-2033.7
220	4284397.0	345266.3	-32821.8	1269.5	-2008.4
221	4323342.3	346505.0	-32726.3	1264.3	-1983.0
222	4362180.7	347721.7	-32649.4	1259.2	-1958.0
223	4400906.0	348916.4	-32566.7	1254.0	-1932.9
224	4439493.7	350089.0	-32460.9	1248.8	-1907.8
225	4477963.4	351239.6	-32373.8	1243.5	-1882.7
226	4516306.6	352368.7	-32278.5	1238.3	-1858.1
227	4554509.8	353476.0	-32170.8	1233.0	-1833.1
228	4592579.8	354561.7	-32069.4	1227.6	-1808.4
229	4630503.1	355626.6	-31957.3	1221.7	-1784.1
230	4668305.9	356671.2	-31870.8	1215.6	-1760.2
231	4685390.9	357696.1	-12068.5	1211.6	-1738.3
232	4698627.0	358703.5	-8384.3	1211.8	-1720.7
233	4711622.3	359693.0	-8152.5	1211.9	-1703.1
234	4724384.5	360664.7	-7928.0	1212.0	-1685.1
235	4736923.6	361618.7	-7713.1	1212.0	-1667.6
236	4763659.0	362554.3	-21325.7	1210.2	-1648.0
237	4790887.4	363470.7	-21815.9	1206.3	-1626.7
238	4817928.2	364368.0	-21654.2	1202.4	-1605.1
239	4844798.8	365246.1	-21509.1	1198.4	-1583.6
240	4871480.2	366105.4	-21345.8	1194.4	-1562.5
241	4897968.9	366945.7	-21179.3	1190.3	-1541.0
242	4924286.9	367767.3	-21033.9	1186.3	-1520.0
243	4950406.7	368570.2	-20862.1	1182.2	-1498.8
244	4976338.6	369354.3	-20700.4	1178.0	-1477.6
245	5002096.2	370119.9	-20551.7	1173.8	-1456.7
246	5027648.0	370866.9	-20372.9	1169.6	-1435.6
247	5053004.6	371595.6	-20204.3	1165.4	-1414.7
248	5078183.4	372305.9	-20052.4	1161.1	-1393.9
249	5103156.9	372998.2	-19874.2	1156.8	-1373.3
250	5127951.5	373672.3	-19721.4	1152.5	-1352.6
251	5152520.0	374328.2	-19523.5	1148.1	-1331.8
252	5176933.1	374967.0	-19395.3	1143.2	-1311.8
253	5201120.9	375588.5	-19200.0	1138.2	-1291.5
254	5225127.4	376192.7	-19047.1	1133.2	-1271.3
255	5248942.0	376779.9	-18883.9	1128.2	-1251.3
256	5272565.5	377350.1	-18721.7	1123.2	-1231.4
257	5295996.2	377903.4	-18557.9	1118.1	-1211.6
258	5319241.3	378440.0	-18401.2	1113.0	-1191.8
259	5342290.4	378959.8	-18234.3	1107.8	-1172.0
260	5365141.5	379463.2	-18065.7	1102.6	-1152.5
261	5387795.8	379950.1	-17898.3	1097.4	-1132.9
262	5410258.3	380420.7	-17735.7	1092.2	-1113.6
263	5432521.0	380875.2	-17566.2	1086.7	-1094.3
264	5454591.6	381317.9	-17418.3	1077.4	-1077.0
265	5476531.3	381748.8	-17329.5	1068.1	-1059.7
266	5464531.2	382168.3	15505.1	1060.6	-1043.9
267	5434445.1	382577.4	33042.6	1063.6	-1035.2
268	5404149.4	382976.0	33269.4	1066.5	-1026.4
269	5373617.5	383363.9	33521.9	1069.4	-1017.4
270	5342887.0	383741.1	33737.9	1072.2	-1008.5
271	5336036.7	355842.8	183000.0	49855.2	-1452.1

272	4920495.0	327954.7	183000.0	49815.7	-1439.0
273	4510324.2	300076.1	183000.0	49776.7	-1425.5
274	4068759.8	300408.8	432727.0	1083.2	-970.4
275	4044931.6	300730.1	27148.7	1085.8	-960.5
276	4020887.7	301039.8	27378.5	1088.4	-950.5
277	3996637.8	301337.9	27598.9	1091.0	-940.3
278	3972178.7	301624.1	27822.1	1093.5	-930.0
279	3947501.9	301898.3	28053.8	1096.0	-919.5
280	3922636.2	302160.5	28257.4	1098.4	-908.8
281	3962857.4	274337.5	183000.0	49483.7	-1308.7
282	3582044.4	246518.5	183000.0	49450.1	-1292.8
283	3206494.3	218700.9	183000.0	49416.5	-1274.5
284	2836195.1	190884.3	183000.0	49383.9	-1256.3
285	2471126.7	163068.1	183000.0	49351.8	-1237.9
286	2026357.9	163245.0	437741.7	1123.6	-838.3
287	2013196.9	163406.6	17029.6	1128.4	-825.9
288	2000410.9	163552.9	16688.5	1133.3	-813.5
289	2017522.6	163684.6	-12493.5	1129.2	-796.5
290	2034475.4	163802.6	-12387.1	1117.0	-775.5
291	2051273.3	163907.1	-12284.7	1104.7	-754.8
292	2056860.5	163998.0	-1376.9	1094.2	-735.1
293	2057895.3	164074.8	3057.2	1090.4	-718.7
294	2058751.1	164137.6	3219.6	1086.5	-702.4
295	2059425.7	164186.4	3384.0	1082.6	-686.2
296	2059926.2	164221.5	3541.6	1078.7	-670.2
297	2060250.3	164242.8	3701.1	1074.8	-654.1
298	2060402.4	164250.6	3856.4	1070.8	-638.2
299	2060380.5	164244.8	4013.7	1066.8	-622.2
300	2060193.5	164226.4	4158.7	1061.8	-606.7
301	2059838.0	164196.9	4300.6	1055.2	-591.7
302	2059339.6	164156.3	4417.5	1048.5	-576.6
303	2058702.4	164104.7	4530.2	1041.8	-561.7
304	2044339.5	164041.6	17978.5	1038.3	-548.1
305	2028132.5	163965.7	19799.6	1040.0	-536.4
306	2011787.3	163876.9	19948.2	1041.6	-524.3
307	1995302.9	163775.2	20097.5	1043.2	-512.4
308	1978686.6	163658.3	20250.4	1047.6	-499.9
309	1961916.5	163526.1	20425.2	1052.1	-487.2
310	1957843.7	163379.2	7960.6	1053.1	-473.1
311	1953936.9	163219.1	7789.2	1050.2	-458.2
312	1949874.5	163045.7	7933.8	1047.3	-443.2
313	1945653.0	162859.2	8081.8	1044.4	-428.3
314	1941287.7	162659.8	8214.7	1041.4	-413.7
315	1936758.8	162447.2	8367.0	1038.4	-398.8
316	1932087.1	162222.1	8498.5	1035.3	-384.3
317	1927268.7	161984.4	8634.1	1032.2	-370.0
318	1922300.5	161733.9	8772.4	1029.1	-355.4
319	1917192.5	161471.1	8900.8	1025.9	-341.2
320	1911940.7	161196.2	9033.1	1022.7	-327.1
321	1906550.0	160909.0	9160.5	1019.5	-313.0
322	1901022.8	160609.8	9285.5	1016.2	-299.0
323	1895358.5	160299.8	9405.1	1011.4	-285.5
324	1889569.7	159980.2	9507.4	1005.2	-272.2
325	1883673.7	159650.9	9592.5	999.0	-258.8
326	1871274.6	159311.9	15994.5	992.8	-245.5
327	1852362.9	158960.7	22437.4	993.9	-233.9
328	1833370.4	158596.7	22527.9	994.9	-221.7
329	1814301.6	158220.2	22613.9	995.9	-209.8
330	1795167.4	157831.3	22688.8	996.9	-197.9
331	1775962.3	157429.8	22769.1	997.8	-186.0
332	1756695.8	157015.9	22839.8	998.7	-174.0
333	1737363.8	156589.2	22914.6	999.5	-161.8
334	1717977.9	156150.0	22977.8	1000.3	-149.7
335	1698463.5	155698.3	23114.5	1001.1	-137.6
336	1678813.6	155234.0	23258.6	1001.9	-125.6
337	1659110.8	154757.0	23320.8	1002.7	-113.3
338	1639372.7	154267.5	23365.1	1003.5	-101.3
339	1619592.5	153765.3	23416.4	1004.2	-89.0
340	1599773.6	153250.5	23463.9	1004.9	-76.8
341	1579923.7	152722.9	23503.8	1005.6	-64.4
342	1560049.9	152182.9	23536.2	1006.2	-52.4

343	1540148.0	151630.3	23573.1	1006.8	-40.0
344	1520225.6	151065.0	23601.8	1007.3	-27.8
345	1500283.6	150487.3	23629.8	1007.9	-15.6
346	1480330.6	149896.8	23650.4	1008.7	-3.4
347	1460365.7	149293.3	23673.7	1010.1	8.9
348	1443894.5	148676.8	20208.4	1011.1	21.3
349	1429746.8	148049.7	17892.5	1008.7	33.2
350	1415561.1	147411.9	17925.8	1006.3	45.4
351	1401343.2	146763.5	17953.2	1003.9	57.4
352	1387097.8	146104.6	17975.5	1001.5	69.3
353	1372822.2	145435.3	18000.6	999.0	81.2
354	1358524.9	144755.9	18017.0	996.5	92.8
355	1344205.4	144066.2	18033.7	993.9	104.5
356	1329865.8	143366.5	18048.0	991.3	116.1
357	1315512.9	142657.0	18055.6	988.7	127.5
358	1301146.5	141937.7	18063.1	986.0	138.9
359	1286766.8	141208.7	18070.2	983.3	150.1
360	1272380.3	140470.0	18070.7	980.5	161.4
361	1257990.1	139721.9	18068.3	977.8	172.5
362	1243595.5	138964.2	18067.9	975.4	183.5
363	1229195.7	138197.0	18068.1	973.1	194.3
364	1214801.0	137420.6	18057.7	970.6	205.0
365	1200405.8	136635.1	18053.0	968.2	215.5
366	1186018.9	135840.5	18039.1	965.6	226.1
367	1171637.3	135037.1	18028.1	963.1	236.5
368	1157269.4	134224.8	18008.5	960.5	246.8
369	1142915.7	133404.0	17988.2	957.9	256.9
370	1128576.9	132574.8	17966.9	955.2	266.8
371	1114258.3	131737.2	17940.4	952.5	276.8
372	1099959.3	130891.6	17913.9	949.7	286.5
373	1085689.4	130037.8	17878.0	947.0	296.2
374	1068986.2	129176.2	20312.4	944.1	305.8
375	1049868.7	128304.0	22742.4	944.8	316.0
376	1030830.3	127421.2	22670.8	945.5	326.2
377	1011873.1	126528.1	22596.5	946.1	336.2
378	993000.8	125624.5	22518.7	946.7	346.3
379	974213.7	124710.6	22440.1	947.2	356.3
380	955521.4	123786.6	22350.6	947.4	366.2
381	936918.9	122853.6	22257.3	945.3	376.5
382	918426.8	121911.7	22143.2	943.2	386.6
383	900039.5	120960.7	22034.3	941.0	397.0
384	881769.8	120001.1	21912.4	938.8	406.9
385	863613.5	119032.5	21794.6	936.6	417.1
386	845576.5	118055.5	21670.3	934.3	427.0
387	827663.6	117070.0	21541.0	932.0	436.9
388	809874.3	116075.9	21412.1	929.6	446.8
389	792211.4	115073.4	21280.0	927.2	456.6
390	774682.1	114062.7	21141.5	925.0	466.2
391	757284.9	113043.3	21007.1	923.6	475.7
392	740026.6	112015.7	20865.3	922.1	484.7
393	722902.2	110979.8	20728.5	920.5	494.0
394	705922.2	109935.8	20580.8	919.0	503.0
395	689082.3	108883.7	20437.2	917.3	512.1
396	672392.6	107823.7	20283.1	915.7	520.9
397	655850.3	106755.9	20131.5	914.0	529.7
398	639461.8	105680.4	19973.2	912.2	538.5
399	623226.9	104597.3	19814.8	910.4	547.1
400	607153.8	103507.0	19647.8	908.6	555.5
401	591241.7	102409.4	19481.3	906.7	563.8
402	575491.2	101304.6	19313.9	904.8	572.1
403	559909.7	100192.9	19138.7	902.8	580.3
404	544498.1	99074.3	18962.5	900.8	588.3
405	529255.3	97948.9	18786.9	898.7	596.3
406	514191.5	96817.1	18600.5	896.6	603.9
407	499301.6	95678.9	18419.3	894.5	611.7
408	484594.4	94534.4	18228.6	892.3	619.2
409	470066.9	93383.7	18040.9	890.0	626.7
410	455726.9	92227.2	17844.7	887.7	633.9
411	441573.0	91065.0	17649.7	885.4	641.0
412	427608.8	89896.9	17450.9	883.0	648.2
413	413836.2	88723.5	17249.7	880.6	655.0

414	400259.6	87544.8	17043.7	878.1	661.7
415	386878.2	86361.1	16838.0	875.6	668.2
416	373696.1	85172.3	16628.3	873.1	674.8
417	360716.1	83978.9	16414.9	870.4	681.0
418	347936.0	82780.8	16203.7	867.8	687.3
419	335363.0	81578.2	15984.7	865.1	693.3
420	322995.3	80371.5	15767.4	862.3	699.1
421	310837.3	79160.6	15545.1	859.5	704.9
422	298888.8	77945.9	15322.7	856.7	710.3
423	286544.0	76727.1	15119.3	854.1	716.0
424	274352.5	75503.7	15557.1	852.0	721.8
425	262398.0	74275.9	15309.0	849.9	727.4
426	250678.6	73043.9	15062.6	847.7	732.9
427	239198.9	71807.8	14811.2	845.5	738.4
428	227958.7	70567.7	14559.6	843.3	743.6
429	216964.2	69324.2	14301.2	841.0	748.5
430	206211.8	68077.1	14046.3	838.6	753.4
431	195703.8	66826.7	13788.5	836.2	758.1
432	185444.6	65573.4	13525.8	833.7	762.5
433	175433.7	64317.0	13263.4	831.2	767.0
434	165671.5	63058.0	13000.2	828.7	771.2
435	156161.9	61796.5	12732.5	826.1	775.2
436	146904.0	60532.8	12465.5	823.4	779.0
437	138084.1	59266.9	12006.9	820.7	782.7
438	129960.2	58000.4	11280.3	817.0	785.5
439	122065.5	56733.8	11030.9	813.1	787.9
440	114400.1	55467.3	10781.0	809.1	790.1
441	106965.4	54201.1	10529.4	805.1	792.2
442	99761.8	52935.5	10276.9	801.0	794.1
443	92789.7	51670.8	10023.7	796.8	795.7
444	86050.3	50407.1	9769.0	792.6	797.1
445	79541.7	49144.9	9515.7	788.3	798.1
446	73264.6	47884.2	9261.2	784.0	799.1
447	67219.3	46625.6	9006.2	779.5	799.7
448	61405.5	45369.0	8751.2	775.1	800.3
449	55823.7	44114.8	8495.1	770.6	800.5
450	50471.7	42863.4	8241.0	766.0	800.5
451	45350.1	41614.8	7985.9	761.4	800.4
452	40458.3	40369.5	7731.1	756.6	799.9
453	35795.5	39127.8	7476.5	751.9	799.1
454	31361.2	37889.9	7222.2	747.0	798.1
455	27155.1	36656.1	6967.8	742.1	796.9
456	23174.1	35426.7	6716.3	737.2	795.4
457	19422.7	34201.9	6459.6	732.1	793.7
458	15895.8	32982.2	6207.9	727.0	791.7
459	12592.8	31767.9	5956.2	721.8	789.4
460	9510.6	30559.1	5707.5	716.6	786.9
461	6648.0	29356.2	5459.6	711.3	784.1
462	4003.8	28159.5	5212.7	705.9	781.1
463	1530.7	26969.4	5014.1	700.5	777.7
464	-787.7	25785.6	4833.8	695.4	774.5
465	-2882.1	24608.3	4581.4	690.2	770.9
466	-4754.4	23437.7	4330.8	685.0	767.3
467	-6407.4	22274.3	4082.4	679.8	763.2
468	-7844.5	21118.5	3845.9	676.9	757.3
469	-6973.0	19976.3	1440.8	674.9	744.8
470	-5487.4	18868.7	747.6	659.9	719.2
471	-4150.6	17796.3	845.7	644.7	692.8
472	-3864.4	16760.0	1880.6	629.5	665.7
473	-4910.2	15737.7	3254.2	627.4	653.0
474	-5749.2	14726.1	3015.9	621.4	645.8
475	-6407.2	13725.3	2804.1	615.4	638.5
476	-6888.8	12735.8	2596.5	609.3	630.7
477	-7197.1	11758.1	2392.0	603.1	622.7
478	-6171.7	10792.4	971.7	594.7	615.6
479	-4195.8	9881.2	-145.0	558.8	582.3
480	-2539.7	9027.6	56.3	521.3	546.6
481	-1162.7	8232.8	215.1	483.6	510.1
482	-1062.4	7487.2	1434.9	451.8	479.6
483	-1132.4	6766.2	1553.6	435.2	464.8
484	-1159.5	6070.3	1449.5	418.4	449.6

485	-1146.0	5400.0	1347.4	401.5	434.0
486	-1095.2	4755.7	1248.4	384.4	418.0
487	-1009.7	4137.9	1151.6	367.1	401.6
488	-836.6	3547.2	999.1	349.7	384.8
489	-531.1	2995.5	776.9	325.4	360.1
490	-304.4	2488.0	765.9	298.2	331.9
491	-135.4	2025.3	732.5	270.9	303.2
492	-17.0	1608.2	691.5	243.3	273.9
493	57.8	1237.4	642.7	215.5	243.9
494	96.5	913.7	585.7	187.5	213.4
495	106.5	637.7	520.5	159.3	182.2
496	95.5	410.2	446.9	130.8	150.5
497	71.3	231.9	364.7	102.1	118.1
498	41.9	103.6	273.8	73.2	85.2
499	15.4	26.0	173.9	44.1	51.6
500	0.0	0.0	64.9	14.8	17.3

Σ				985880.8	-580987.2

VERIFICA STABILITA' DEI PENDII

 Sezione D-D - Condizione Sismica senza falda -

DATI GENERALI

xUnità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici :-0.116
 Coefficiente sismico verticale : 0.058
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Pendio	1	157.930	152.670
Pendio	2	164.620	154.160
Pendio	3	174.950	158.440
Pendio	4	185.100	162.660
Pendio	5	194.450	164.980
Pendio	6	199.910	165.400
Pendio	7	204.620	165.740
Pendio	8	210.380	165.740
Pendio	9	215.190	165.620
Pendio	10	219.310	165.100
Pendio	11	229.590	163.330
Pendio	12	234.490	162.530
Pendio	13	239.590	159.330
Pendio	14	244.820	155.730
Pendio	15	259.880	144.670
Pendio	16	264.870	141.300
Pendio	17	273.620	141.130
Pendio	18	274.400	141.200
Pendio	19	275.570	140.740
Pendio	20	278.790	139.170
Pendio	21	279.990	138.830
Pendio	22	287.420	135.790
Pendio	23	290.600	135.790
Pendio	24	292.970	135.790
Pendio	25	293.780	135.330
Pendio	26	296.680	134.510
Pendio	27	298.130	134.510
Pendio	28	302.170	133.520
Pendio	29	304.390	133.520
Pendio	30	307.540	133.530
Pendio	31	313.940	132.780
Pendio	32	325.860	132.780
Pendio	33	329.440	132.880
Pendio	34	334.280	132.850
Pendio	35	335.790	132.840
Pendio	36	337.180	132.850
Pendio	37	338.000	132.460
Pendio	38	339.450	132.460
Pendio	39	340.350	131.750
Pendio	40	341.960	131.470
Pendio	41	348.250	128.710
Pendio	42	361.980	125.500
Pendio	43	368.840	124.040
Pendio	44	381.880	119.900
Pendio	45	388.110	117.780
Pendio	46	403.570	113.710
Pendio	47	409.200	112.120
Pendio	48	411.530	111.270

Pendio	49	418.570	108.830
Pendio	50	419.770	108.760
Pendio	51	425.850	106.850
Pendio	52	427.300	106.320
Pendio	53	428.650	106.000
Pendio	54	429.750	105.970
Pendio	55	442.760	102.400
Pendio	56	449.590	101.650
Pendio	57	453.120	101.140
Pendio	58	465.150	100.660
Pendio	59	479.630	97.760
Pendio	60	485.770	97.440
2	1	162.550	153.699
2	2	162.550	152.360
2	3	164.540	152.960
2	4	169.820	155.130
2	5	174.830	157.210
2	6	185.160	161.610
2	7	189.760	162.810
2	8	194.610	163.860
2	9	199.570	164.300
2	10	204.460	164.570
2	11	214.830	164.500
2	12	229.940	162.110
2	13	234.370	161.290
2	14	239.580	158.210
2	15	244.880	154.290
2	16	249.890	150.770
2	17	259.900	143.480
2	18	262.450	141.810
2	19	262.450	142.934
3	1	163.100	152.526
3	2	163.100	151.870
3	3	175.210	147.870
3	4	179.640	146.730
3	5	182.350	146.000
3	6	185.030	145.570
3	7	190.000	143.750
3	8	195.210	141.590
3	9	199.810	140.270
3	10	204.790	138.490
3	11	208.220	138.270
3	12	212.270	138.350
3	13	215.790	138.350
3	14	219.830	138.430
3	15	224.840	138.830
3	16	229.880	139.270
3	17	239.620	140.190
3	18	244.540	140.510
3	19	254.270	140.950
3	20	259.240	140.910
3	21	261.760	141.470
3	22	261.760	142.262
4	1	163.340	151.791
4	2	163.340	150.540
4	3	171.810	147.790
4	4	174.980	146.940
4	5	180.070	145.360
4	6	184.870	144.460
4	7	189.950	142.710
4	8	198.050	139.680
4	9	204.340	137.630
4	10	207.260	137.430
4	11	214.950	137.310
4	12	222.920	137.590
4	13	224.920	137.710
4	14	229.990	138.060
4	15	238.570	138.910
4	16	241.620	139.270
4	17	246.740	139.750
4	18	254.350	139.870

4	19	259.350	139.950
4	20	263.800	141.230
4	21	263.800	142.023
5	1	259.740	140.062
5	2	259.740	139.470
5	3	264.420	135.660
5	4	286.720	135.660
5	5	286.720	136.076
6	1	163.420	150.514
6	2	163.420	140.940
6	3	181.800	136.900
6	4	184.470	136.200
6	5	186.750	135.900
6	6	204.490	132.450
6	7	210.820	131.540
6	8	214.330	131.010
6	9	222.130	130.420
6	10	239.390	130.360
6	11	244.870	130.800
6	12	254.220	130.800
6	13	259.180	130.340
6	14	264.010	130.340
6	15	266.770	129.720
6	16	269.900	129.810
6	17	272.690	129.280
6	18	275.820	127.350
6	19	285.000	124.090
6	20	288.590	124.044
6	21	288.590	135.790
7	1	288.590	124.044
7	2	288.590	117.790
7	3	289.210	117.790
7	4	289.210	135.790
8	1	289.210	135.790
8	2	289.210	124.038
8	3	290.020	124.020
8	4	290.950	123.752
8	5	290.950	135.790
9	1	290.950	123.752
9	2	290.950	105.790
9	3	292.250	105.790
9	4	292.250	123.557
10	1	292.250	135.790
10	2	292.250	123.557
10	3	300.300	121.540
10	4	308.620	121.450
10	5	312.370	120.870
10	6	336.320	120.870
10	7	342.710	118.000
10	8	343.990	117.560
10	9	351.790	115.480
10	10	353.900	115.240
10	11	356.710	114.420
10	12	358.820	114.190
10	13	365.650	112.310
10	14	372.800	110.020
10	15	373.680	110.080
10	16	377.670	108.500
10	17	379.220	108.350
10	18	385.060	105.980
10	19	385.640	106.300
10	20	388.690	105.220
10	21	395.490	103.280
10	22	398.830	102.700
10	23	400.710	102.140
10	24	402.490	101.640
10	25	405.020	101.060
10	26	407.180	100.380
10	27	408.560	99.910
10	28	410.170	98.920
10	29	411.640	98.540

10	30	413.160	98.150
10	31	415.190	97.450
10	32	417.270	96.810
10	33	418.530	96.750
10	34	419.640	96.400
10	35	422.160	95.430
10	36	424.120	95.050
10	37	424.120	107.393

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
6	Fila 3	2500.0	18.30	0.00	1.00
7	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
8	Fila 4	2500.0	18.30	0.00	1.00
9	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.00
10	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	321.31	228.37	107.75
2	302.43	204.45	81.51
3	332.33	263.51	142.65
4	310.66	214.53	92.89
5	307.14	231.01	107.71
6	340.34	309.32	189.08
7	312.19	227.21	106.49
8	312.78	239.49	118.22

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	321.31	228.37	107.75	1.730	1
1	321.31	228.37	107.75	1.742	2
2	302.43	204.45	81.51	1.462	1
2	302.43	204.45	81.51	1.483	2
3	332.33	263.51	142.65	1.670	1
3	332.33	263.51	142.65	1.689	2
4	310.66	214.53	92.89	1.567	1
4	310.66	214.53	92.89	1.584	2
5	307.14	231.01	107.71	1.314	1
5	307.14	231.01	107.71	1.329	2
6	340.34	309.32	189.08	1.354	1
6	340.34	309.32	189.08	1.364	2

7	312.19	227.21	106.49	1.451	1
7	312.19	227.21	106.49	1.466	2
8	312.78	239.49	118.22	1.348	1
8	312.78	239.49	118.22	1.361	2

CERCHIO CRITICO N° 5

Larghezza del concio.....=0.245

Situazione di carico numero 1

Coefficiente di sicurezza F =1.314

Coefficiente di forma =0.16360

Coefficiente F/Fo =1.07847

Numero iterazioni = 1

Precisione =0.00276

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-51.81	0.397	0.120	19.6	66.6	-7.3
2	-51.60	0.395	0.120	19.6	198.8	-21.8
3	-51.39	0.393	0.120	19.6	329.9	-36.2
4	-51.18	0.391	0.120	19.6	459.9	-50.4
5	-50.98	0.389	0.120	19.6	588.8	-64.6
6	-50.77	0.388	0.008	19.6	684.4	-75.0
7	-50.56	0.386	0.008	19.6	770.5	-84.5
8	-50.36	0.384	0.008	19.6	855.9	-93.8
9	-50.16	0.383	0.008	19.6	940.6	-103.1
10	-49.95	0.381	0.008	19.6	1024.6	-112.3
11	-49.75	0.380	0.008	19.6	1107.8	-121.5
12	-49.55	0.378	0.008	19.6	1190.4	-130.5
13	-49.35	0.376	0.008	19.6	1272.2	-139.5
14	-49.15	0.375	0.008	19.6	1353.4	-148.4
15	-48.95	0.373	0.008	19.6	1433.9	-157.2
16	-48.75	0.372	0.008	19.6	1513.8	-166.0
17	-48.55	0.370	0.008	19.6	1593.0	-174.7
18	-48.36	0.369	0.008	19.6	1671.5	-183.3
19	-48.16	0.368	0.008	19.6	1749.4	-191.8
20	-47.97	0.366	0.008	19.6	1826.7	-200.3
21	-47.77	0.365	0.008	19.6	1903.3	-208.7
22	-47.58	0.363	0.008	19.6	1979.4	-217.0
23	-47.39	0.362	0.008	19.6	2054.8	-225.3
24	-47.19	0.361	0.008	19.6	2129.6	-233.5
25	-47.00	0.360	0.008	19.6	2203.8	-241.6
26	-46.81	0.358	0.008	19.6	2277.4	-249.7
27	-46.62	0.357	0.008	19.6	2350.4	-257.7
28	-46.43	0.356	0.008	19.6	2422.9	-265.6
29	-46.24	0.355	0.008	19.6	2494.7	-273.5
30	-46.05	0.353	0.008	19.6	2566.0	-281.3
31	-45.87	0.352	0.008	19.6	2637.8	-289.2
32	-45.68	0.351	0.008	19.6	2709.7	-297.1
33	-45.49	0.350	0.008	19.6	2781.4	-305.0
34	-45.31	0.349	0.008	19.6	2852.6	-312.8
35	-45.12	0.348	0.008	19.6	2923.2	-320.5
36	-44.94	0.346	0.008	19.6	2993.4	-328.2
37	-44.75	0.345	0.008	19.6	3062.9	-335.8
38	-44.57	0.344	0.008	19.6	3132.0	-343.4
39	-44.39	0.343	0.008	19.6	3200.5	-350.9
40	-44.20	0.342	0.008	19.6	3268.5	-358.4
41	-44.02	0.341	0.008	19.6	3336.0	-365.8
42	-43.84	0.340	0.008	19.6	3403.0	-373.1
43	-43.66	0.339	0.008	19.6	3469.5	-380.4
44	-43.48	0.338	0.008	19.6	3535.5	-387.6
45	-43.30	0.337	0.008	19.6	3601.0	-394.8
46	-43.12	0.336	0.008	19.6	3666.0	-401.9
47	-42.95	0.335	0.008	19.6	3730.6	-409.0
48	-42.77	0.334	0.008	19.6	3794.6	-416.0
49	-42.59	0.333	0.008	19.6	3858.2	-423.0
50	-42.41	0.332	0.008	19.6	3927.9	-430.7
51	-42.23	0.331	0.008	19.6	3949.9	-433.1
52	-42.06	0.330	0.008	19.6	3971.5	-435.4

53	-41.88	0.329	0.008	19.6	3992.6	-437.8
54	-41.71	0.328	0.008	19.6	4013.3	-440.0
55	-41.53	0.328	0.008	19.6	4033.5	-442.2
56	-41.36	0.327	0.008	19.6	4053.2	-444.4
57	-41.19	0.326	0.008	19.6	4072.5	-446.5
58	-41.01	0.325	0.008	19.6	4091.4	-448.6
59	-40.84	0.324	0.008	19.6	4109.8	-450.6
60	-40.67	0.323	0.008	19.6	4127.8	-452.6
61	-40.50	0.322	0.008	19.6	4145.4	-454.5
62	-40.33	0.322	0.008	19.6	4162.5	-456.4
63	-40.16	0.321	0.008	19.6	4179.2	-458.2
64	-39.98	0.320	0.008	19.6	4195.5	-460.0
65	-39.81	0.319	0.008	19.6	4211.4	-461.7
66	-39.65	0.318	0.008	19.6	4226.8	-463.4
67	-39.48	0.318	0.008	19.6	4241.9	-465.1
68	-39.31	0.317	0.008	19.6	4256.5	-466.7
69	-39.14	0.316	0.008	19.6	4270.7	-468.2
70	-38.97	0.315	0.008	19.6	4284.6	-469.8
71	-38.80	0.315	0.008	19.6	4297.8	-471.2
72	-38.64	0.314	0.008	19.6	4309.2	-472.5
73	-38.47	0.313	0.008	19.6	4320.1	-473.7
74	-38.30	0.312	0.008	19.6	4330.7	-474.8
75	-38.14	0.312	0.008	19.6	4340.8	-475.9
76	-37.97	0.311	0.008	19.6	4350.6	-477.0
77	-37.81	0.310	0.008	19.6	4360.0	-478.0
78	-37.64	0.310	0.008	19.6	4369.0	-479.0
79	-37.48	0.309	0.008	19.6	4377.6	-480.0
80	-37.31	0.308	0.008	19.6	4385.8	-480.9
81	-37.15	0.308	0.008	19.6	4393.7	-481.7
82	-36.98	0.307	0.008	19.6	4401.2	-482.6
83	-36.82	0.306	0.008	19.6	4408.4	-483.3
84	-36.66	0.306	0.008	19.6	4415.1	-484.1
85	-36.49	0.305	0.008	19.6	4421.5	-484.8
86	-36.33	0.304	0.008	19.6	4427.5	-485.4
87	-36.17	0.304	0.008	19.6	4433.2	-486.1
88	-36.01	0.303	0.008	19.6	4438.5	-486.6
89	-35.85	0.303	0.008	19.6	4443.5	-487.2
90	-35.69	0.302	0.008	19.6	4448.1	-487.7
91	-35.53	0.301	0.008	19.6	4452.4	-488.2
92	-35.37	0.301	0.008	19.6	4456.3	-488.6
93	-35.21	0.300	0.008	19.6	4454.0	-488.3
94	-35.05	0.300	0.008	19.6	4450.2	-487.9
95	-34.89	0.299	0.008	19.6	4446.1	-487.5
96	-34.73	0.298	0.008	19.6	4441.6	-487.0
97	-34.57	0.298	0.008	19.6	4436.9	-486.5
98	-34.42	0.297	0.008	19.6	4431.7	-485.9
99	-34.26	0.297	0.008	19.6	4426.3	-485.3
100	-34.10	0.296	0.008	19.6	4420.5	-484.7
101	-33.94	0.296	0.008	19.6	4414.4	-484.0
102	-33.79	0.295	0.008	19.6	4407.9	-483.3
103	-33.63	0.294	0.008	19.6	4401.1	-482.5
104	-33.47	0.294	0.008	19.6	4394.0	-481.8
105	-33.31	0.293	0.008	19.6	4386.6	-481.0
106	-33.16	0.293	0.008	19.6	4378.9	-480.1
107	-33.01	0.292	0.000	11.3	4372.1	-479.4
108	-32.85	0.292	0.000	11.3	4390.2	-481.3
109	-32.69	0.291	0.000	11.3	4407.8	-483.3
110	-32.54	0.291	0.000	11.3	4424.9	-485.1
111	-32.38	0.290	0.000	11.3	4441.6	-487.0
112	-32.23	0.290	0.000	11.3	4457.8	-488.8
113	-32.08	0.289	0.000	13.7	4473.7	-490.5
114	-31.92	0.289	0.000	13.7	4490.0	-492.3
115	-31.77	0.288	0.000	13.7	4505.8	-494.0
116	-31.61	0.288	0.000	13.7	4521.2	-495.7
117	-31.46	0.287	0.000	13.7	4536.2	-497.3
118	-31.31	0.287	0.000	13.7	4550.7	-498.9
119	-31.16	0.287	0.000	13.7	4564.7	-500.5
120	-31.00	0.286	0.000	13.7	4578.3	-502.0
121	-30.85	0.286	0.000	13.7	4591.5	-503.4
122	-30.70	0.285	0.000	13.7	4604.2	-504.8
123	-30.55	0.285	0.000	13.7	4616.5	-506.2

124	-30.40	0.284	0.000	13.7	4628.4	-507.5
125	-30.25	0.284	0.000	13.7	4639.9	-508.7
126	-30.10	0.283	0.000	13.7	4650.9	-509.9
127	-29.95	0.283	0.000	13.7	4661.5	-511.1
128	-29.80	0.283	0.000	13.7	4671.7	-512.2
129	-29.65	0.282	0.000	13.7	4681.4	-513.3
130	-29.49	0.282	0.000	13.7	4690.8	-514.3
131	-29.35	0.281	0.000	13.7	4698.9	-515.2
132	-29.20	0.281	0.000	13.7	4705.4	-515.9
133	-29.05	0.280	0.000	13.7	4711.5	-516.6
134	-28.90	0.280	0.000	13.7	4717.1	-517.2
135	-28.75	0.280	0.000	13.7	4722.3	-517.8
136	-28.60	0.279	0.000	13.7	4727.2	-518.3
137	-28.45	0.279	0.000	13.7	4731.6	-518.8
138	-28.30	0.278	0.000	13.7	4735.6	-519.2
139	-28.15	0.278	0.000	13.7	4739.2	-519.6
140	-28.01	0.278	0.000	13.7	4742.4	-520.0
141	-27.86	0.277	0.000	13.7	4745.2	-520.3
142	-27.71	0.277	0.000	13.7	4747.6	-520.5
143	-27.56	0.277	0.000	13.7	4749.7	-520.8
144	-27.42	0.276	0.000	13.7	4751.3	-520.9
145	-27.27	0.276	0.000	13.7	4752.5	-521.1
146	-27.12	0.275	0.000	13.7	4753.3	-521.2
147	-26.98	0.275	0.000	13.7	4753.8	-521.2
148	-26.83	0.275	0.000	13.7	4753.8	-521.2
149	-26.68	0.274	0.000	13.7	4753.5	-521.2
150	-26.54	0.274	0.000	13.7	4752.8	-521.1
151	-26.39	0.274	0.000	13.7	4752.4	-521.1
152	-26.25	0.273	0.000	13.7	4759.7	-521.9
153	-26.10	0.273	0.000	13.7	4766.7	-522.6
154	-25.96	0.273	0.000	13.7	4775.5	-523.6
155	-25.81	0.272	0.000	13.7	4786.0	-524.7
156	-25.67	0.272	0.000	13.7	4796.1	-525.8
157	-25.52	0.272	0.000	13.7	4805.9	-526.9
158	-25.38	0.271	0.000	13.7	4815.2	-527.9
159	-25.23	0.271	0.000	13.7	4824.2	-528.9
160	-25.09	0.271	0.000	13.7	4832.8	-529.9
161	-24.95	0.270	0.000	13.7	4841.1	-530.8
162	-24.80	0.270	0.000	13.7	4945.3	-542.2
163	-24.66	0.270	0.000	13.7	4919.3	-539.4
164	-24.52	0.269	0.000	13.7	4893.0	-536.5
165	-24.37	0.269	0.000	13.7	4866.3	-533.5
166	-24.23	0.269	0.000	13.7	4839.3	-530.6
167	-24.09	0.269	0.000	13.7	4811.8	-527.6
168	-23.94	0.268	0.000	13.7	4784.1	-524.5
169	-23.80	0.268	0.000	13.7	4755.9	-521.4
170	-23.66	0.268	0.000	13.7	4727.4	-518.3
171	-23.52	0.267	0.000	13.7	4698.6	-515.2
172	-23.37	0.267	0.000	13.7	4669.4	-512.0
173	-23.23	0.267	0.000	13.7	4639.8	-508.7
174	-23.09	0.267	0.000	13.7	4619.6	-506.5
175	-22.95	0.266	0.000	13.7	4668.6	-511.9
176	-22.80	0.266	0.000	13.7	4717.2	-517.2
177	-22.67	0.266	0.000	13.7	4765.5	-522.5
178	-22.52	0.265	0.000	13.7	4813.5	-527.8
179	-22.38	0.265	0.000	13.7	4861.1	-533.0
180	-22.24	0.265	0.000	13.7	4908.3	-538.2
181	-22.10	0.265	0.000	13.7	4955.2	-543.3
182	-21.96	0.264	0.000	13.7	5001.8	-548.4
183	-21.82	0.264	0.000	13.7	5048.0	-553.5
184	-21.68	0.264	0.000	13.7	5093.9	-558.5
185	-21.54	0.264	0.000	13.7	5139.4	-563.5
186	-21.40	0.263	0.000	13.7	5184.6	-568.4
187	-21.26	0.263	0.000	13.7	5229.4	-573.4
188	-21.12	0.263	0.000	13.7	5273.9	-578.2
189	-20.98	0.263	0.000	13.7	5318.1	-583.1
190	-20.84	0.262	0.000	13.7	5361.9	-587.9
191	-20.70	0.262	0.000	13.7	5405.4	-592.6
192	-20.56	0.262	0.000	13.7	5448.5	-597.4
193	-20.42	0.262	0.000	13.7	5491.3	-602.1
194	-20.28	0.261	0.000	13.7	5533.8	-606.7

195	-20.14	0.261	0.000	13.7	5576.0	-611.4
196	-20.01	0.261	0.000	13.7	5617.8	-615.9
197	-19.87	0.261	0.000	13.7	5659.3	-620.5
198	-19.73	0.260	0.176	14.5	5700.4	-625.0
199	-19.59	0.260	0.176	14.5	5741.2	-629.5
200	-19.45	0.260	0.176	14.5	5781.7	-633.9
201	-19.31	0.260	0.176	14.5	5821.9	-638.3
202	-19.17	0.260	0.176	14.5	5861.7	-642.7
203	-19.04	0.259	0.176	14.5	5901.2	-647.0
204	-18.90	0.259	0.176	14.5	5940.4	-651.3
205	-18.76	0.259	0.176	14.5	5979.3	-655.6
206	-18.62	0.259	0.176	14.5	6017.8	-659.8
207	-18.48	0.259	0.176	14.5	6056.0	-664.0
208	-18.35	0.258	0.176	14.5	6093.9	-668.1
209	-18.21	0.258	0.176	14.5	6131.5	-672.3
210	-18.07	0.258	0.176	14.5	6174.5	-677.0
211	-17.94	0.258	0.000	13.7	6224.6	-682.5
212	-17.80	0.258	0.000	13.7	6274.4	-687.9
213	-17.66	0.257	0.000	13.7	6309.0	-691.7
214	-17.52	0.257	0.000	13.7	6299.8	-690.7
215	-17.39	0.257	0.000	13.7	6290.3	-689.7
216	-17.25	0.257	0.000	13.7	6280.5	-688.6
217	-17.12	0.257	0.000	13.7	6270.3	-687.5
218	-16.98	0.256	0.000	13.7	6254.4	-685.7
219	-16.84	0.256	0.000	13.7	6232.2	-683.3
220	-16.71	0.256	0.000	13.7	6209.7	-680.8
221	-16.57	0.256	0.000	13.7	6186.9	-678.3
222	-16.43	0.256	0.000	13.7	6163.8	-675.8
223	-16.30	0.255	0.000	13.7	6140.3	-673.2
224	-16.16	0.255	0.000	13.7	6116.6	-670.6
225	-16.02	0.255	0.000	13.7	6092.5	-668.0
226	-15.89	0.255	0.000	13.7	6068.2	-665.3
227	-15.75	0.255	0.000	13.7	6043.5	-662.6
228	-15.62	0.255	0.000	13.7	6018.5	-659.9
229	-15.48	0.254	0.000	13.7	5993.2	-657.1
230	-15.35	0.254	0.000	13.7	5967.6	-654.3
231	-15.21	0.254	0.000	13.7	5950.4	-652.4
232	-15.08	0.254	0.000	13.7	5948.8	-652.2
233	-14.94	0.254	0.000	13.7	5947.0	-652.0
234	-14.81	0.254	0.000	13.7	5944.8	-651.8
235	-14.67	0.253	0.000	13.7	5942.4	-651.5
236	-14.54	0.253	0.000	13.7	5932.7	-650.5
237	-14.40	0.253	0.000	13.7	5914.5	-648.5
238	-14.27	0.253	0.000	13.7	5895.9	-646.4
239	-14.13	0.253	0.000	13.7	5877.0	-644.4
240	-14.00	0.253	0.000	13.7	5857.9	-642.3
241	-13.86	0.253	0.000	13.7	5838.4	-640.1
242	-13.73	0.252	0.000	13.7	5818.6	-638.0
243	-13.60	0.252	0.000	13.7	5798.6	-635.8
244	-13.46	0.252	0.000	13.7	5778.2	-633.5
245	-13.33	0.252	0.000	13.7	5757.5	-631.3
246	-13.19	0.252	0.000	13.7	5736.6	-629.0
247	-13.06	0.252	0.000	13.7	5715.3	-626.6
248	-12.93	0.252	0.000	13.7	5693.7	-624.3
249	-12.79	0.251	0.000	13.7	5671.9	-621.9
250	-12.66	0.251	0.000	13.7	5649.7	-619.4
251	-12.52	0.251	0.000	13.7	5627.3	-617.0
252	-12.39	0.251	0.000	13.7	5604.5	-614.5
253	-12.26	0.251	0.000	13.7	5581.5	-612.0
254	-12.12	0.251	0.000	13.7	5558.2	-609.4
255	-11.99	0.251	0.000	13.7	5534.5	-606.8
256	-11.86	0.251	0.000	13.7	5510.6	-604.2
257	-11.73	0.250	0.000	13.7	5486.4	-601.5
258	-11.59	0.250	0.000	13.7	5461.9	-598.8
259	-11.46	0.250	0.000	13.7	5437.1	-596.1
260	-11.33	0.250	0.000	13.7	5412.0	-593.4
261	-11.19	0.250	0.000	13.7	5386.6	-590.6
262	-11.06	0.250	0.000	13.7	5360.9	-587.8
263	-10.93	0.250	0.000	13.7	5335.0	-584.9
264	-10.79	0.250	0.000	13.7	5308.7	-582.0
265	-10.66	0.249	0.000	13.7	5282.1	-579.1

266	-10.53	0.249	0.000	13.7	5262.9	-577.0
267	-10.40	0.249	0.000	13.7	5285.3	-579.5
268	-10.26	0.249	0.000	13.7	5307.3	-581.9
269	-10.13	0.249	0.000	13.7	5329.0	-584.3
270	-10.00	0.249	0.000	13.7	5350.5	-586.6
271	-9.87	0.249	18.300	0.0	7067.9	-774.9
272	-9.73	0.249	18.300	0.0	7095.4	-777.9
273	-9.60	0.249	18.300	0.0	7122.5	-780.9
274	-9.47	0.249	0.000	13.7	5433.4	-595.7
275	-9.34	0.248	0.000	13.7	5453.4	-597.9
276	-9.21	0.248	0.000	13.7	5473.1	-600.1
277	-9.07	0.248	0.000	13.7	5492.6	-602.2
278	-8.94	0.248	0.000	13.7	5511.7	-604.3
279	-8.81	0.248	0.000	13.7	5530.6	-606.4
280	-8.68	0.248	0.000	13.7	5549.2	-608.4
281	-8.54	0.248	18.300	0.0	7325.7	-803.2
282	-8.41	0.248	18.300	0.0	7349.4	-805.8
283	-8.28	0.248	18.300	0.0	7372.7	-808.3
284	-8.15	0.248	18.300	0.0	7395.7	-810.9
285	-8.02	0.248	18.300	0.0	7418.2	-813.3
286	-7.89	0.248	0.000	13.7	5654.7	-620.0
287	-7.75	0.247	0.000	13.7	5671.3	-621.8
288	-7.62	0.247	0.000	13.7	5687.7	-623.6
289	-7.49	0.247	0.000	13.7	5668.1	-621.5
290	-7.36	0.247	0.000	13.7	5615.2	-615.7
291	-7.23	0.247	0.000	13.7	5562.0	-609.8
292	-7.10	0.247	0.000	13.7	5516.0	-604.8
293	-6.97	0.247	0.000	13.7	5496.7	-602.7
294	-6.83	0.247	0.000	13.7	5477.2	-600.5
295	-6.70	0.247	0.000	13.7	5457.4	-598.3
296	-6.57	0.247	0.000	13.7	5437.3	-596.1
297	-6.44	0.247	0.000	13.7	5416.9	-593.9
298	-6.31	0.247	0.000	13.7	5396.2	-591.6
299	-6.18	0.247	0.000	13.7	5375.2	-589.3
300	-6.05	0.247	0.000	13.7	5354.0	-587.0
301	-5.92	0.246	0.000	13.7	5332.5	-584.7
302	-5.78	0.246	0.000	13.7	5310.7	-582.3
303	-5.65	0.246	0.000	13.7	5288.6	-579.9
304	-5.52	0.246	0.000	13.7	5279.5	-578.9
305	-5.39	0.246	0.000	13.7	5291.1	-580.1
306	-5.26	0.246	0.000	13.7	5302.4	-581.4
307	-5.13	0.246	0.000	13.7	5313.3	-582.6
308	-5.00	0.246	0.000	13.7	5324.1	-583.7
309	-4.87	0.246	0.000	13.7	5334.5	-584.9
310	-4.74	0.246	0.000	13.7	5330.6	-584.5
311	-4.61	0.246	0.000	13.7	5310.8	-582.3
312	-4.47	0.246	0.000	13.7	5290.8	-580.1
313	-4.34	0.246	0.000	13.7	5270.5	-577.9
314	-4.21	0.246	0.000	13.7	5250.0	-575.6
315	-4.08	0.246	0.000	13.7	5229.1	-573.3
316	-3.95	0.246	0.000	13.7	5208.0	-571.0
317	-3.82	0.246	0.000	13.7	5186.6	-568.7
318	-3.69	0.246	0.000	13.7	5164.9	-566.3
319	-3.56	0.246	0.000	13.7	5142.9	-563.9
320	-3.43	0.246	0.000	13.7	5120.7	-561.4
321	-3.30	0.246	0.000	13.7	5098.2	-559.0
322	-3.17	0.246	0.000	13.7	5075.4	-556.5
323	-3.04	0.246	0.000	13.7	5052.3	-553.9
324	-2.91	0.245	0.000	13.7	5029.0	-551.4
325	-2.78	0.245	0.000	13.7	5005.4	-548.8
326	-2.64	0.245	0.000	13.7	4981.5	-546.2
327	-2.52	0.245	0.000	13.7	4986.9	-546.8
328	-2.38	0.245	0.000	13.7	4992.0	-547.3
329	-2.25	0.245	0.000	13.7	4996.9	-547.9
330	-2.12	0.245	0.000	13.7	5001.5	-548.4
331	-1.99	0.245	0.000	13.7	5005.9	-548.8
332	-1.86	0.245	0.000	13.7	5009.9	-549.3
333	-1.73	0.245	0.000	13.7	5013.7	-549.7
334	-1.60	0.245	0.000	13.7	5017.3	-550.1
335	-1.47	0.245	0.000	13.7	5020.5	-550.5
336	-1.34	0.245	0.000	13.7	5023.8	-550.8

337	-1.21	0.245	0.000	13.7	5026.9	-551.2
338	-1.08	0.245	0.000	13.7	5029.7	-551.5
339	-0.95	0.245	0.000	13.7	5032.2	-551.7
340	-0.82	0.245	0.000	13.7	5034.5	-552.0
341	-0.69	0.245	0.000	13.7	5036.4	-552.2
342	-0.56	0.245	0.000	13.7	5038.1	-552.4
343	-0.43	0.245	0.000	13.7	5039.5	-552.5
344	-0.30	0.245	0.000	13.7	5040.7	-552.7
345	-0.17	0.245	0.000	13.7	5041.6	-552.8
346	-0.04	0.245	0.000	13.7	5042.2	-552.8
347	0.09	0.245	0.000	13.7	5042.5	-552.9
348	0.23	0.245	0.000	13.7	5041.1	-552.7
349	0.35	0.245	0.000	13.7	5026.3	-551.1
350	0.49	0.245	0.000	13.7	5011.3	-549.4
351	0.62	0.245	0.000	13.7	4996.0	-547.8
352	0.75	0.245	0.000	13.7	4980.4	-546.1
353	0.88	0.245	0.000	13.7	4964.5	-544.3
354	1.01	0.245	0.000	13.7	4948.3	-542.5
355	1.14	0.245	0.000	13.7	4931.9	-540.7
356	1.27	0.245	0.000	13.7	4915.2	-538.9
357	1.40	0.245	0.000	13.7	4898.2	-537.0
358	1.53	0.245	0.000	13.7	4881.0	-535.2
359	1.66	0.245	0.000	13.7	4863.4	-533.2
360	1.79	0.245	0.000	13.7	4845.6	-531.3
361	1.92	0.245	0.000	13.7	4827.6	-529.3
362	2.05	0.245	0.000	13.7	4809.2	-527.3
363	2.18	0.245	0.000	13.7	4790.6	-525.2
364	2.31	0.245	0.000	13.7	4771.7	-523.2
365	2.44	0.245	0.000	13.7	4752.5	-521.1
366	2.57	0.245	0.000	13.7	4733.0	-518.9
367	2.70	0.245	0.000	13.7	4713.3	-516.8
368	2.84	0.245	0.000	13.7	4693.3	-514.6
369	2.97	0.246	0.000	13.7	4673.0	-512.4
370	3.10	0.246	0.000	13.7	4652.4	-510.1
371	3.23	0.246	0.000	13.7	4631.6	-507.8
372	3.36	0.246	0.000	13.7	4610.5	-505.5
373	3.49	0.246	0.000	13.7	4589.1	-503.2
374	3.62	0.246	0.000	13.7	4567.4	-500.8
375	3.75	0.246	0.000	13.7	4559.6	-499.9
376	3.88	0.246	0.000	13.7	4551.5	-499.0
377	4.01	0.246	0.000	13.7	4543.2	-498.1
378	4.14	0.246	0.000	13.7	4534.6	-497.2
379	4.27	0.246	0.000	13.7	4525.7	-496.2
380	4.40	0.246	0.000	13.7	4516.5	-495.2
381	4.54	0.246	0.000	13.7	4507.1	-494.2
382	4.66	0.246	0.000	13.7	4497.3	-493.1
383	4.80	0.246	0.000	13.7	4487.3	-492.0
384	4.93	0.246	0.000	13.7	4477.1	-490.9
385	5.06	0.246	0.000	13.7	4466.5	-489.7
386	5.19	0.246	0.000	13.7	4455.7	-488.5
387	5.32	0.246	0.000	13.7	4444.5	-487.3
388	5.45	0.246	0.000	13.7	4433.2	-486.1
389	5.58	0.246	0.000	13.7	4421.5	-484.8
390	5.71	0.246	0.000	13.7	4409.5	-483.5
391	5.85	0.246	0.000	13.7	4397.3	-482.1
392	5.97	0.247	0.000	13.7	4384.8	-480.8
393	6.11	0.247	0.000	13.7	4372.0	-479.3
394	6.24	0.247	0.000	13.7	4358.9	-477.9
395	6.37	0.247	0.000	13.7	4345.6	-476.5
396	6.50	0.247	0.000	13.7	4332.0	-475.0
397	6.63	0.247	0.000	13.7	4318.0	-473.4
398	6.76	0.247	0.000	13.7	4303.9	-471.9
399	6.89	0.247	0.000	13.7	4289.4	-470.3
400	7.02	0.247	0.000	13.7	4274.6	-468.7
401	7.16	0.247	0.000	13.7	4259.6	-467.0
402	7.29	0.247	0.000	13.7	4244.3	-465.3
403	7.42	0.247	0.000	13.7	4228.7	-463.6
404	7.55	0.247	0.000	13.7	4212.8	-461.9
405	7.68	0.247	0.000	13.7	4196.6	-460.1
406	7.81	0.247	0.000	13.7	4180.2	-458.3
407	7.95	0.248	0.000	13.7	4163.5	-456.5

408	8.08	0.248	0.000	13.7	4146.5	-454.6
409	8.21	0.248	0.000	13.7	4129.2	-452.7
410	8.34	0.248	0.000	13.7	4111.6	-450.8
411	8.47	0.248	0.000	13.7	4093.7	-448.8
412	8.61	0.248	0.000	13.7	4075.6	-446.8
413	8.74	0.248	0.000	13.7	4057.1	-444.8
414	8.87	0.248	0.000	13.7	4038.4	-442.8
415	9.00	0.248	0.000	13.7	4019.4	-440.7
416	9.13	0.248	0.000	13.7	4000.1	-438.6
417	9.26	0.248	0.000	13.7	3980.6	-436.4
418	9.40	0.249	0.000	13.7	3960.7	-434.3
419	9.53	0.249	0.000	13.7	3940.6	-432.0
420	9.66	0.249	0.000	13.7	3920.1	-429.8
421	9.80	0.249	0.000	13.7	3899.4	-427.5
422	9.93	0.249	0.000	13.7	3878.4	-425.2
423	10.06	0.249	0.000	13.7	3858.4	-423.0
424	10.19	0.249	0.000	13.7	3840.2	-421.0
425	10.32	0.249	0.000	13.7	3821.7	-419.0
426	10.46	0.249	0.000	13.7	3802.9	-417.0
427	10.59	0.249	0.000	13.7	3783.8	-414.9
428	10.72	0.250	0.000	13.7	3764.5	-412.7
429	10.85	0.250	0.000	13.7	3744.8	-410.6
430	10.99	0.250	0.000	13.7	3724.9	-408.4
431	11.12	0.250	0.000	13.7	3704.6	-406.2
432	11.25	0.250	0.000	13.7	3684.1	-403.9
433	11.39	0.250	0.000	13.7	3663.3	-401.6
434	11.52	0.250	0.000	13.7	3642.2	-399.3
435	11.65	0.250	0.000	13.7	3620.8	-397.0
436	11.79	0.250	0.000	13.7	3599.1	-394.6
437	11.92	0.251	0.000	13.7	3577.1	-392.2
438	12.05	0.251	0.000	13.7	3551.6	-389.4
439	12.19	0.251	0.000	13.7	3524.9	-386.5
440	12.32	0.251	0.000	13.7	3497.9	-383.5
441	12.45	0.251	0.000	13.7	3470.6	-380.5
442	12.59	0.251	0.000	13.7	3443.0	-377.5
443	12.72	0.251	0.000	13.7	3415.1	-374.4
444	12.86	0.251	0.000	13.7	3386.9	-371.3
445	12.99	0.252	0.000	13.7	3358.5	-368.2
446	13.12	0.252	0.000	13.7	3329.7	-365.1
447	13.26	0.252	0.000	13.7	3300.6	-361.9
448	13.39	0.252	0.000	13.7	3271.3	-358.7
449	13.52	0.252	0.000	13.7	3241.6	-355.4
450	13.66	0.252	0.000	13.7	3211.6	-352.1
451	13.79	0.252	0.000	13.7	3181.4	-348.8
452	13.93	0.253	0.000	13.7	3150.8	-345.5
453	14.06	0.253	0.000	13.7	3119.9	-342.1
454	14.20	0.253	0.000	13.7	3088.7	-338.7
455	14.33	0.253	0.000	13.7	3057.3	-335.2
456	14.47	0.253	0.000	13.7	3025.5	-331.7
457	14.60	0.253	0.000	13.7	2993.4	-328.2
458	14.74	0.254	0.000	13.7	2961.0	-324.6
459	14.87	0.254	0.000	13.7	2928.3	-321.1
460	15.01	0.254	0.000	13.7	2895.2	-317.4
461	15.14	0.254	0.000	13.7	2861.9	-313.8
462	15.28	0.254	0.000	13.7	2828.2	-310.1
463	15.41	0.254	0.000	13.7	2794.2	-306.4
464	15.55	0.254	0.000	13.7	2761.5	-302.8
465	15.68	0.255	0.000	13.7	2728.6	-299.2
466	15.82	0.255	0.000	13.7	2695.3	-295.5
467	15.95	0.255	0.000	13.7	2661.8	-291.8
468	16.09	0.255	0.000	13.7	2628.0	-288.1
469	16.22	0.255	0.000	13.7	2581.4	-283.0
470	16.36	0.256	0.000	13.7	2488.6	-272.9
471	16.49	0.256	0.000	13.7	2395.5	-262.6
472	16.63	0.256	0.000	13.7	2302.1	-252.4
473	16.77	0.256	0.000	13.7	2258.3	-247.6
474	16.90	0.256	0.000	13.7	2221.7	-243.6
475	17.04	0.256	0.000	13.7	2184.8	-239.5
476	17.18	0.257	0.000	13.7	2147.6	-235.5
477	17.31	0.257	0.000	13.7	2110.1	-231.4
478	17.45	0.257	0.000	13.7	2072.3	-227.2

479	17.59	0.257	0.000	13.7	1943.1	-213.0
480	17.73	0.257	0.000	13.7	1809.3	-198.4
481	17.86	0.258	0.000	13.7	1675.2	-183.7
482	18.00	0.258	0.000	13.7	1561.9	-171.2
483	18.14	0.258	0.000	13.7	1501.4	-164.6
484	18.27	0.258	0.000	13.7	1440.7	-158.0
485	18.41	0.258	0.000	13.7	1379.6	-151.3
486	18.55	0.259	0.000	13.7	1318.2	-144.5
487	18.68	0.259	0.000	13.7	1256.4	-137.8
488	18.82	0.259	0.000	13.7	1194.4	-131.0
489	18.96	0.259	0.000	13.7	1109.0	-121.6
490	19.10	0.259	0.000	13.7	1014.3	-111.2
491	19.24	0.260	0.000	13.7	919.3	-100.8
492	19.38	0.260	0.000	13.7	823.9	-90.3
493	19.51	0.260	0.000	13.7	728.2	-79.8
494	19.65	0.260	0.000	13.7	632.2	-69.3
495	19.79	0.261	0.000	13.7	535.9	-58.8
496	19.93	0.261	0.000	13.7	439.2	-48.2
497	20.07	0.261	0.000	13.7	342.2	-37.5
498	20.21	0.261	0.000	13.7	244.8	-26.8
499	20.35	0.261	0.000	13.7	147.1	-16.1
500	20.49	0.262	0.000	13.7	49.1	-5.4

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-1238.6	-2269.0	2302.3	654.5	-91.9
2	-2008.2	-2562.7	1942.3	746.0	-272.7
3	-2065.3	-2747.6	1315.6	835.4	-449.4
4	-2098.2	-2826.1	1433.0	922.7	-622.2
5	-2118.7	-2800.5	1562.5	1008.1	-791.1
6	-2694.4	-2284.4	1434.1	523.2	-913.3
7	-2555.6	-1703.5	750.2	580.1	-1021.3
8	-2465.4	-1059.3	898.2	635.8	-1127.0
9	-2430.1	-353.1	1052.8	690.3	-1230.3
10	-2456.4	413.7	1214.5	743.6	-1331.4
11	-2550.5	1239.6	1382.8	795.7	-1430.1
12	-2718.5	2123.4	1557.7	846.7	-1526.7
13	-2966.3	3063.8	1738.8	896.6	-1621.1
14	-3299.8	4059.5	1926.2	945.5	-1713.6
15	-3724.3	5109.1	2119.4	993.3	-1803.8
16	-4245.3	6211.6	2318.6	1040.2	-1892.3
17	-4867.7	7365.7	2523.0	1086.0	-1978.7
18	-5596.8	8570.2	2733.3	1130.9	-2063.2
19	-6437.7	9824.0	2949.3	1174.9	-2145.8
20	-7394.5	11125.9	3169.6	1218.0	-2226.7
21	-8472.3	12474.8	3395.6	1260.2	-2305.7
22	-9675.1	13869.5	3626.1	1301.5	-2383.0
23	-11007.9	15309.2	3862.1	1342.1	-2458.7
24	-12473.6	16792.6	4101.4	1381.9	-2532.7
25	-14076.9	18318.8	4346.0	1420.8	-2604.9
26	-15822.0	19886.7	4595.1	1459.0	-2675.8
27	-17712.2	21495.5	4848.2	1496.5	-2745.0
28	-19751.1	23143.9	5105.4	1533.2	-2812.6
29	-21941.7	24831.2	5365.8	1569.2	-2878.8
30	-24330.8	26556.4	5679.4	1604.6	-2943.5
31	-26934.7	28319.2	6013.0	1639.9	-3008.0
32	-29716.2	30119.2	6305.1	1674.9	-3071.7
33	-32677.8	31955.7	6600.7	1709.5	-3134.5
34	-35819.3	33827.9	6896.2	1743.6	-3196.1
35	-39146.0	35735.0	7197.7	1777.0	-3256.3
36	-42658.4	37675.8	7500.2	1809.6	-3314.8
37	-46361.7	39649.8	7808.6	1841.9	-3372.4
38	-50256.1	41656.0	8117.2	1873.5	-3428.8
39	-54347.9	43693.5	8433.5	1904.5	-3483.5
40	-58635.4	45761.7	8747.7	1935.0	-3537.4
41	-63123.5	47859.7	9067.9	1964.9	-3589.9
42	-67816.5	49986.7	9393.0	1994.3	-3641.2
43	-72712.4	52141.9	9716.1	2023.3	-3691.4

44	-77817.9	54324.6	10047.0	2051.7	-3740.5
45	-83130.7	56534.0	10375.6	2079.5	-3788.3
46	-88657.0	58769.5	10711.3	2107.0	-3835.3
47	-94394.1	61030.4	11044.1	2134.0	-3881.2
48	-100349.4	63315.7	11385.8	2160.4	-3925.7
49	-106518.2	65625.1	11721.9	2186.6	-3969.6
50	-107322.5	67961.5	5572.9	2215.8	-4018.8
51	-102227.9	70296.1	-1270.0	2218.4	-4019.0
52	-96599.7	72628.5	-1869.0	2220.8	-4018.7
53	-90443.6	74958.7	-2463.4	2223.2	-4018.2
54	-83755.0	77286.2	-3065.0	2225.2	-4017.0
55	-76540.7	79610.4	-3660.7	2226.9	-4015.1
56	-68794.8	81931.2	-4265.2	2228.5	-4012.8
57	-60522.7	84248.3	-4865.2	2229.9	-4010.2
58	-51725.0	86561.2	-5466.5	2231.0	-4006.9
59	-42402.1	88869.7	-6069.0	2232.0	-4003.2
60	-32554.3	91173.6	-6673.2	2232.9	-3999.4
61	-22186.1	93472.6	-7273.8	2233.4	-3994.7
62	-11297.1	95766.2	-7876.8	2233.8	-3989.7
63	112.9	98054.3	-8481.7	2234.1	-3984.4
64	12036.8	100336.6	-9080.1	2234.1	-3978.5
65	24475.7	102612.7	-9681.5	2234.0	-3972.4
66	37427.6	104882.6	-10282.2	2233.7	-3965.9
67	50888.8	107145.8	-10880.4	2233.3	-3958.9
68	64858.2	109402.3	-11478.9	2232.7	-3951.6
69	79332.0	111651.5	-12074.7	2231.9	-3943.8
70	94309.0	113893.4	-12670.6	2230.9	-3935.8
71	111509.0	116127.6	-15319.3	2229.7	-3927.1
72	129952.0	118353.1	-16805.8	2227.6	-3916.8
73	148972.1	120569.5	-17500.4	2225.3	-3906.1
74	168572.7	122777.1	-18200.3	2223.0	-3895.4
75	188747.9	124975.3	-18895.3	2220.5	-3884.3
76	209486.3	127163.9	-19578.6	2217.8	-3872.5
77	230795.1	129342.8	-20272.0	2215.0	-3860.7
78	252660.9	131511.8	-20951.3	2212.1	-3848.6
79	275084.2	133670.6	-21632.8	2209.0	-3836.0
80	298060.4	135819.2	-22310.5	2205.8	-3823.3
81	321582.6	137957.5	-22981.1	2202.6	-3810.8
82	345646.5	140085.1	-23648.9	2199.1	-3797.3
83	370249.7	142202.0	-24314.9	2195.6	-3784.0
84	395384.5	144307.7	-24973.7	2191.9	-3770.0
85	421045.5	146402.3	-25627.5	2188.1	-3755.9
86	447234.4	148485.6	-26284.6	2184.2	-3741.8
87	473936.9	150557.5	-26926.2	2180.2	-3727.3
88	501158.1	152617.9	-27575.2	2176.1	-3712.7
89	528882.3	154666.6	-28206.9	2171.9	-3697.7
90	557115.5	156703.8	-28846.8	2167.7	-3683.0
91	585841.7	158728.7	-29469.5	2163.2	-3667.5
92	616038.3	160741.8	-31283.6	2158.7	-3652.1
93	648293.3	162739.7	-33826.0	2151.2	-3631.3
94	681085.2	164722.4	-34517.5	2143.3	-3610.0
95	714394.6	166689.4	-35187.3	2135.1	-3588.1
96	748219.0	168640.7	-35855.3	2126.9	-3566.3
97	782541.9	170576.3	-36504.9	2118.6	-3544.2
98	817368.6	172496.3	-37161.9	2110.3	-3522.2
99	852679.7	174400.3	-37796.9	2101.9	-3500.0
100	888474.4	176288.4	-38432.4	2093.3	-3477.5
101	924744.5	178160.6	-39059.0	2084.8	-3455.1
102	961483.6	180016.8	-39679.2	2076.1	-3432.5
103	998676.8	181856.8	-40282.5	2067.4	-3409.7
104	1036329.8	183680.7	-40893.9	2058.6	-3387.0
105	1074426.7	185488.4	-41487.0	2049.7	-3364.1
106	1112960.7	187280.0	-42072.9	2040.9	-3341.2
107	1145444.6	189679.8	-20850.2	1211.0	-3319.2
108	1188809.7	192075.2	-28922.8	1212.4	-3316.0
109	1232861.5	194465.9	-29435.0	1213.7	-3312.3
110	1277594.8	196851.8	-29944.0	1214.9	-3308.3
111	1323005.6	199232.5	-30451.0	1216.0	-3303.9
112	1369087.5	201607.5	-30954.1	1216.9	-3299.1
113	1417519.0	203796.2	-39151.5	1456.0	-3294.2
114	1463583.9	205979.1	-37052.2	1457.3	-3289.4

115	1510254.6	208156.1	-37600.9	1458.6	-3284.5
116	1557525.3	210326.6	-38145.9	1459.7	-3278.8
117	1605391.8	212490.5	-38687.9	1460.7	-3273.0
118	1653852.4	214647.5	-39229.4	1461.5	-3266.7
119	1702901.3	216797.6	-39766.3	1462.3	-3260.3
120	1752528.0	218940.1	-40295.4	1462.8	-3253.2
121	1802735.5	221075.0	-40827.7	1463.3	-3246.0
122	1853512.9	223202.4	-41350.8	1463.7	-3238.7
123	1904853.8	225321.5	-41869.8	1464.0	-3230.7
124	1956754.4	227432.4	-42385.8	1464.1	-3222.6
125	2009217.3	229535.1	-42904.8	1464.2	-3214.4
126	2062219.5	231629.0	-43404.4	1464.1	-3205.5
127	2115771.7	233714.0	-43914.3	1463.9	-3196.6
128	2169861.7	235790.0	-44414.2	1463.6	-3187.3
129	2224473.1	237856.7	-44900.2	1463.2	-3177.6
130	2279612.1	239913.8	-45392.9	1462.6	-3167.6
131	2335271.4	241960.9	-45879.9	1461.8	-3157.1
132	2391447.8	243997.4	-46366.4	1460.5	-3145.3
133	2448112.5	246022.8	-46827.7	1459.0	-3133.2
134	2505271.2	248037.1	-47295.1	1457.4	-3120.8
135	2562916.9	250040.2	-47756.7	1455.8	-3108.4
136	2621034.1	252032.0	-48204.9	1454.0	-3095.7
137	2679621.1	254012.1	-48652.8	1452.1	-3082.7
138	2738828.2	255980.4	-49237.4	1450.1	-3069.3
139	2798502.1	257936.7	-49684.0	1448.1	-3055.9
140	2858469.2	259881.1	-49974.1	1446.0	-3042.3
141	2918872.3	261813.4	-50394.1	1443.7	-3028.4
142	2979702.8	263733.3	-50807.4	1441.4	-3014.3
143	3040963.2	265640.6	-51223.4	1439.0	-2999.9
144	3102649.1	267535.5	-51636.0	1436.5	-2985.6
145	3164750.3	269417.7	-52040.0	1433.9	-2971.0
146	3227248.7	271287.1	-52428.4	1431.2	-2956.1
147	3290151.2	273143.5	-52823.9	1428.5	-2941.0
148	3353433.4	274986.7	-53197.9	1425.6	-2925.7
149	3417116.2	276816.9	-53591.2	1422.7	-2910.4
150	3481166.8	278633.8	-53955.3	1419.7	-2894.8
151	3545589.8	280437.6	-54323.8	1416.8	-2879.5
152	3610377.0	282231.2	-54678.2	1416.2	-2868.8
153	3675560.2	284014.5	-55061.8	1415.6	-2858.2
154	3735685.4	285788.1	-50471.3	1415.5	-2848.3
155	3795974.7	287552.7	-50638.1	1415.9	-2839.7
156	3856609.5	289307.9	-50971.6	1416.2	-2830.5
157	3917578.6	291054.0	-51294.6	1416.5	-2821.6
158	3978856.5	292790.4	-51595.4	1416.7	-2812.1
159	4040465.5	294517.4	-51916.6	1416.7	-2802.6
160	4102383.7	296234.6	-52218.7	1416.7	-2792.9
161	4164591.5	297941.6	-52504.0	1416.6	-2782.6
162	4227133.0	299672.2	-52741.4	1444.5	-2827.4
163	4290416.6	301380.7	-53472.6	1434.4	-2797.6
164	4353832.9	303067.2	-53645.8	1424.3	-2768.0
165	4417351.5	304731.9	-53791.5	1414.1	-2738.3
166	4480968.1	306374.4	-53934.3	1403.8	-2708.4
167	4544692.5	307995.0	-54086.1	1393.5	-2678.6
168	4608502.9	309593.7	-54218.2	1383.1	-2648.9
169	4672381.1	311170.5	-54334.2	1372.7	-2619.1
170	4736344.0	312725.5	-54466.0	1362.3	-2589.3
171	4800376.0	314258.9	-54583.5	1351.8	-2559.7
172	4864436.6	315770.4	-54664.8	1341.2	-2529.9
173	4928589.3	317260.7	-54803.7	1330.6	-2500.6
174	4949619.0	318732.3	-15119.4	1322.7	-2475.9
175	4944127.4	320207.5	9365.8	1334.6	-2488.5
176	4938436.7	321685.8	9599.0	1346.4	-2500.6
177	4932537.2	323167.2	9840.9	1358.1	-2512.6
178	4926412.8	324651.0	10097.7	1369.7	-2523.8
179	4920078.3	326137.1	10340.7	1381.2	-2534.8
180	4913509.9	327625.2	10605.7	1392.5	-2545.4
181	4906725.3	329114.9	10854.1	1403.8	-2555.5
182	4899689.4	330605.8	11135.1	1414.9	-2565.2
183	4892411.8	332097.7	11407.1	1425.9	-2574.5
184	4884901.8	333590.3	11670.1	1436.8	-2583.6
185	4877121.2	335083.2	11968.9	1447.6	-2592.0

186	4869101.6	336575.9	12238.1	1458.3	-2599.9
187	4860818.9	338068.4	12529.6	1468.8	-2607.8
188	4852262.0	339560.4	12831.3	1479.3	-2615.2
189	4843458.1	341051.8	13107.6	1489.7	-2622.5
190	4834372.2	342542.0	13416.6	1500.0	-2629.1
191	4825003.0	344030.5	13726.8	1510.1	-2635.0
192	4815356.7	345517.3	14031.1	1520.1	-2641.1
193	4805429.2	347002.0	14339.2	1530.1	-2646.5
194	4795218.9	348484.6	14648.7	1539.9	-2651.8
195	4784726.0	349964.6	14958.0	1549.7	-2656.7
196	4773938.3	351441.9	15278.5	1559.4	-2661.2
197	4762860.2	352916.0	15595.1	1568.9	-2665.4
198	4752414.8	353948.2	17551.1	2155.9	-2669.2
199	4734948.8	354976.8	24520.5	2165.2	-2672.6
200	4717259.9	356001.3	24792.6	2174.5	-2675.6
201	4699338.4	357021.5	25074.3	2183.7	-2678.2
202	4681195.9	358037.5	25344.1	2192.8	-2680.9
203	4662828.1	359048.9	25618.1	2201.8	-2683.1
204	4644198.4	360055.0	25928.6	2210.7	-2684.7
205	4625363.6	361056.4	26182.3	2219.6	-2686.6
206	4606276.8	362052.3	26482.6	2228.3	-2687.8
207	4586941.3	363042.3	26779.9	2236.9	-2688.3
208	4567376.9	364026.5	27057.0	2245.5	-2689.2
209	4547549.3	365004.2	27368.7	2253.9	-2689.0
210	4515114.3	365976.9	39919.7	2264.0	-2691.7
211	4479427.6	367384.8	39308.3	1698.2	-2697.3
212	4450756.5	368788.5	32790.4	1710.0	-2702.1
213	4466440.4	370184.8	-8800.8	1717.6	-2700.5
214	4496618.6	371563.6	-22426.6	1713.4	-2679.7
215	4526720.1	372925.6	-22373.4	1709.1	-2659.6
216	4556671.5	374269.9	-22252.1	1704.7	-2638.6
217	4586527.3	375597.3	-22181.8	1700.3	-2618.4
218	4627855.8	376906.0	-33001.9	1694.3	-2595.2
219	4669327.2	378195.2	-33172.3	1686.7	-2569.9
220	4710735.2	379464.9	-33148.8	1679.0	-2544.6
221	4752051.3	380715.0	-33099.0	1671.3	-2519.0
222	4793298.9	381945.8	-33071.0	1663.5	-2493.9
223	4834470.2	383157.3	-33036.2	1655.7	-2468.6
224	4875539.7	384349.4	-32977.6	1647.8	-2443.2
225	4916529.5	385522.1	-32940.1	1639.9	-2417.9
226	4957431.1	386675.9	-32894.5	1631.9	-2392.9
227	4998228.9	387810.5	-32834.7	1623.9	-2367.6
228	5038932.4	388926.1	-32783.8	1615.8	-2342.4
229	5079529.1	390022.8	-32721.7	1607.6	-2317.3
230	5120035.6	391100.7	-32675.0	1599.5	-2292.3
231	5137868.7	392161.3	-11246.6	1593.5	-2270.5
232	5151533.8	393207.5	-7306.4	1591.9	-2254.9
233	5165001.9	394239.4	-7124.8	1590.1	-2239.3
234	5178280.8	395256.8	-6950.8	1588.3	-2223.3
235	5191382.4	396259.8	-6788.0	1586.5	-2207.6
236	5220104.2	397247.1	-21617.2	1582.7	-2189.0
237	5249425.5	398217.5	-22212.9	1576.7	-2167.6
238	5278592.1	399170.9	-22093.5	1570.6	-2145.9
239	5307623.5	400107.3	-21993.0	1564.4	-2124.2
240	5336499.6	401027.1	-21873.1	1558.2	-2102.9
241	5365215.3	401929.9	-21749.0	1552.0	-2081.2
242	5393796.2	402816.1	-21649.1	1545.7	-2059.8
243	5422211.2	403685.7	-21519.8	1539.3	-2038.3
244	5450472.3	404538.5	-21402.2	1532.9	-2016.8
245	5478594.6	405374.9	-21299.1	1526.5	-1995.4
246	5506543.1	406194.7	-21163.0	1519.9	-1973.8
247	5534330.3	406998.2	-21038.7	1513.4	-1952.5
248	5561974.7	407785.3	-20932.3	1506.7	-1931.1
249	5589446.5	408556.2	-20797.5	1500.1	-1909.9
250	5616774.0	409311.0	-20690.0	1493.3	-1888.6
251	5643906.1	410049.4	-20534.1	1486.5	-1867.1
252	5670921.6	410772.0	-20453.1	1479.7	-1846.1
253	5697732.6	411478.5	-20288.7	1472.8	-1824.8
254	5724388.4	412169.0	-20171.6	1465.8	-1803.5
255	5750877.5	412843.8	-20043.4	1458.8	-1782.4
256	5777200.5	413502.8	-19916.0	1451.8	-1761.3

257	5803355.3	414146.2	-19786.9	1444.7	-1740.3
258	5829350.2	414773.9	-19665.7	1437.5	-1719.2
259	5855173.4	415386.2	-19533.5	1430.3	-1698.2
260	5880823.0	415983.1	-19399.6	1423.0	-1677.4
261	5906299.9	416564.7	-19266.7	1415.7	-1656.5
262	5931609.9	417131.2	-19139.5	1408.3	-1635.7
263	5956743.7	417682.4	-19003.6	1400.9	-1614.9
264	5981707.6	418218.6	-18873.8	1393.4	-1594.2
265	6006502.4	418740.0	-18745.0	1385.8	-1573.6
266	5994035.2	419247.2	17039.9	1380.2	-1555.2
267	5961696.6	419744.4	36174.7	1385.5	-1549.2
268	5929136.8	420231.3	36424.2	1390.8	-1542.9
269	5896326.7	420707.8	36701.7	1396.0	-1536.5
270	5863307.6	421174.0	36939.2	1401.1	-1530.0
271	5861014.1	385324.3	183000.0	49855.2	-2004.2
272	5333808.1	349495.6	183000.0	49815.7	-1995.2
273	4813611.0	313687.2	183000.0	49776.7	-1986.0
274	4253216.6	314110.4	545667.5	1420.9	-1502.0
275	4229309.4	314522.5	28326.5	1425.7	-1494.6
276	4205174.6	314923.4	28577.4	1430.4	-1487.1
277	4180822.2	315313.2	28818.3	1435.1	-1479.4
278	4156249.3	315691.5	29062.2	1439.7	-1471.5
279	4131446.7	316058.4	29314.9	1444.3	-1463.4
280	4106444.6	316413.6	29538.2	1448.7	-1455.2
281	4164985.8	280745.5	183000.0	49483.7	-1903.8
282	3683455.5	245092.0	183000.0	49450.1	-1892.8
283	3208787.8	209452.5	183000.0	49416.5	-1881.4
284	2740997.9	173826.4	183000.0	49383.9	-1870.0
285	2280058.9	138213.1	183000.0	49351.8	-1858.4
286	1717092.2	138496.8	551166.9	1474.4	-1403.2
287	1707567.4	138768.4	14735.9	1478.5	-1394.1
288	1698345.5	139027.6	14464.1	1482.5	-1384.8
289	1714578.9	139272.8	-10253.9	1477.1	-1366.8
290	1730688.3	139502.8	-10189.4	1463.2	-1341.0
291	1746644.9	139717.9	-10096.7	1449.1	-1315.3
292	1753006.0	139918.4	-821.2	1436.9	-1291.5
293	1755441.1	140105.4	2976.4	1431.8	-1274.2
294	1757706.2	140279.2	3124.0	1426.5	-1256.9
295	1759799.6	140439.7	3273.2	1421.2	-1239.6
296	1761726.9	140587.1	3416.5	1415.9	-1222.5
297	1763486.8	140721.5	3561.2	1410.5	-1205.3
298	1765082.7	140842.9	3702.4	1405.0	-1188.3
299	1766513.0	140951.4	3844.9	1399.5	-1171.1
300	1767786.5	141047.2	3978.7	1393.9	-1154.1
301	1768893.5	141130.4	4121.8	1388.3	-1137.2
302	1769837.9	141200.8	4260.9	1382.6	-1120.2
303	1770623.5	141258.8	4396.3	1376.8	-1103.3
304	1759537.3	141304.5	15984.3	1374.5	-1089.3
305	1746813.3	141338.1	17602.6	1377.5	-1079.5
306	1733937.9	141359.3	17769.1	1380.5	-1069.4
307	1720910.2	141368.4	17936.2	1383.4	-1059.4
308	1707732.2	141365.3	18101.3	1386.2	-1049.4
309	1694413.8	141349.9	18256.4	1389.0	-1039.2
310	1692081.5	141321.9	7503.3	1388.1	-1026.0
311	1689894.4	141281.9	7344.7	1383.1	-1010.1
312	1687562.8	141229.8	7469.9	1378.0	-994.2
313	1685083.2	141165.7	7598.2	1372.8	-978.2
314	1682468.9	141089.8	7713.3	1367.6	-962.5
315	1679702.7	141001.8	7845.1	1362.3	-946.4
316	1676802.4	140902.2	7959.3	1357.0	-930.8
317	1673764.7	140791.2	8076.6	1351.6	-915.2
318	1670586.9	140668.3	8196.3	1346.2	-899.3
319	1667277.4	140534.2	8307.7	1340.7	-883.8
320	1663832.8	140388.8	8422.1	1335.1	-868.3
321	1660257.4	140232.1	8532.1	1329.5	-852.8
322	1656552.9	140064.3	8640.3	1323.8	-837.3
323	1652720.8	139885.5	8746.9	1318.1	-822.0
324	1648760.2	139695.9	8854.1	1312.2	-806.8
325	1644675.5	139495.5	8956.9	1306.4	-791.5
326	1634871.4	139284.3	14575.1	1300.5	-776.2
327	1619327.4	139061.4	20246.9	1302.2	-765.9

328	1603686.6	138826.5	20356.3	1303.9	-755.0
329	1587952.3	138579.7	20461.9	1305.5	-744.4
330	1572134.7	138321.0	20557.2	1307.1	-733.7
331	1556229.3	138050.4	20656.9	1308.6	-723.0
332	1540244.6	137768.0	20748.0	1310.0	-712.2
333	1524177.1	137473.4	20842.3	1311.4	-701.2
334	1508037.0	137167.0	20926.3	1312.8	-690.3
335	1491759.3	136848.6	21074.5	1314.0	-679.3
336	1475337.6	136518.2	21229.2	1315.4	-668.4
337	1458845.0	136175.8	21311.4	1316.6	-657.2
338	1442297.2	135821.5	21377.8	1317.8	-646.3
339	1425688.5	135455.0	21449.7	1319.0	-635.0
340	1409022.0	135076.6	21518.3	1320.1	-623.9
341	1392304.7	134686.1	21579.8	1321.1	-612.5
342	1375542.9	134283.7	21634.6	1322.1	-601.5
343	1358733.4	133869.2	21692.6	1323.0	-590.0
344	1341882.9	133442.7	21743.6	1323.9	-578.7
345	1324992.5	133004.2	21793.3	1324.7	-567.4
346	1308069.1	132553.8	21835.8	1325.4	-556.0
347	1291113.8	132091.5	21877.1	1326.1	-544.5
348	1277235.8	131617.2	18823.4	1326.4	-532.8
349	1265404.1	131132.5	16779.7	1323.1	-520.0
350	1253521.7	130637.3	16822.4	1319.8	-506.9
351	1241593.3	130131.7	16860.1	1316.4	-494.0
352	1229623.5	129615.9	16892.8	1313.0	-481.1
353	1217610.2	129089.8	16927.7	1309.5	-468.2
354	1205560.6	128553.8	16954.8	1305.9	-455.5
355	1193475.0	128007.6	16981.6	1302.3	-442.7
356	1181355.0	127451.6	17006.4	1298.6	-430.0
357	1169206.9	126885.9	17024.8	1294.8	-417.4
358	1157030.7	126310.5	17042.8	1291.0	-404.8
359	1144826.7	125725.5	17060.3	1287.1	-392.3
360	1132600.9	125131.0	17071.6	1283.2	-379.7
361	1120355.8	124527.1	17080.1	1279.2	-367.4
362	1108090.9	123913.8	17088.8	1275.1	-354.9
363	1095807.7	123291.4	17095.8	1271.0	-342.6
364	1083515.8	122660.0	17092.9	1266.7	-330.4
365	1071210.0	122019.8	17094.8	1262.5	-318.3
366	1058898.6	121370.6	17088.3	1258.1	-306.1
367	1046578.5	120712.8	17084.5	1253.7	-294.1
368	1034257.5	120046.4	17072.6	1249.3	-282.1
369	1021936.1	119371.5	17060.0	1244.7	-270.2
370	1009615.0	118688.4	17046.3	1240.1	-258.5
371	997299.1	117997.0	17027.5	1235.4	-246.7
372	984987.8	117297.7	17008.9	1230.7	-235.1
373	972689.7	116590.3	16981.4	1225.9	-223.4
374	958195.0	115875.0	19176.8	1221.0	-211.8
375	941515.6	115149.9	21375.8	1219.8	-201.1
376	924893.6	114414.9	21319.2	1218.6	-190.3
377	908330.9	113670.3	21260.2	1217.3	-179.6
378	891830.7	112915.8	21197.7	1216.0	-168.8
379	875393.3	112151.7	21134.6	1214.6	-158.1
380	859027.7	111378.0	21062.1	1213.1	-147.3
381	842731.9	110594.7	20991.2	1211.6	-136.7
382	826514.7	109802.2	20911.1	1209.9	-126.2
383	810371.9	109000.2	20835.1	1208.3	-115.4
384	794314.9	108189.0	20746.9	1206.5	-105.0
385	778340.7	107368.6	20661.7	1204.7	-94.3
386	762454.6	106539.2	20570.4	1202.9	-83.9
387	746662.0	105700.9	20473.7	1200.9	-73.5
388	730962.4	104853.5	20376.9	1198.9	-63.0
389	715358.7	103997.4	20276.9	1196.9	-52.6
390	699857.4	103132.5	20169.8	1194.7	-42.3
391	684457.5	102259.0	20063.6	1192.6	-31.9
392	669168.0	101377.1	19947.6	1190.3	-21.9
393	653984.9	100486.8	19835.5	1187.9	-11.6
394	638917.7	99588.2	19713.3	1185.5	-1.5
395	623962.8	98681.3	19594.4	1183.1	8.6
396	609129.5	97766.5	19465.7	1180.5	18.5
397	594415.7	96843.5	19338.7	1177.9	28.6
398	579827.3	95912.7	19205.3	1175.2	38.5

399	565364.4	94974.1	19071.5	1172.5	48.4
400	551034.5	94027.9	18929.5	1169.6	58.1
401	536837.4	93074.2	18787.4	1166.8	67.8
402	522773.8	92113.1	18644.2	1163.8	77.5
403	508850.6	91144.7	18493.6	1160.8	87.1
404	495068.7	90169.1	18341.5	1157.7	96.6
405	481427.7	89186.5	18189.6	1154.5	106.1
406	467936.7	88197.0	18027.8	1151.2	115.3
407	454591.8	87200.7	17869.8	1147.9	124.7
408	441400.8	86197.9	17703.1	1144.5	133.9
409	428361.5	85188.4	17538.5	1141.0	143.1
410	415481.0	84172.7	17366.0	1137.5	152.1
411	402758.5	83150.8	17194.0	1133.8	161.0
412	390197.6	82122.7	17018.0	1130.2	170.0
413	377799.8	81088.7	16839.8	1126.4	178.7
414	365569.8	80049.0	16656.4	1122.5	187.4
415	353507.1	79003.7	16473.1	1118.6	195.9
416	341615.5	77952.8	16285.4	1114.6	204.6
417	329897.9	76896.8	16094.3	1110.5	212.9
418	318352.7	75835.5	15904.5	1106.4	221.3
419	306986.5	74769.1	15707.3	1102.1	229.5
420	295797.9	73698.0	15511.1	1097.8	237.6
421	284791.5	72622.2	15309.9	1093.4	245.7
422	273966.9	71541.9	15108.3	1088.9	253.5
423	262768.0	70456.8	15479.5	1084.7	261.4
424	251699.3	69366.6	15334.0	1081.0	269.4
425	240838.1	68271.5	15108.4	1077.2	277.2
426	230183.3	67171.6	14883.6	1073.4	284.9
427	219739.2	66066.9	14653.9	1069.5	292.7
428	209505.6	64957.8	14423.7	1065.5	300.2
429	199488.7	63844.5	14186.7	1061.3	307.5
430	189685.6	62726.9	13952.2	1057.2	314.9
431	180098.6	61605.4	13714.9	1052.9	322.0
432	170731.9	60480.2	13472.5	1048.5	329.1
433	161585.5	59351.3	13229.8	1044.1	336.1
434	152659.9	58218.9	12986.0	1039.6	343.0
435	143959.1	57083.2	12737.6	1035.0	349.8
436	135482.2	55944.6	12489.4	1030.3	356.3
437	127402.4	54803.0	12061.7	1025.6	362.9
438	119958.9	53659.8	11382.3	1019.8	369.0
439	112720.2	52515.4	11147.9	1013.6	374.8
440	105686.6	51370.1	10912.6	1007.4	380.4
441	98859.7	50224.1	10675.2	1001.1	385.9
442	92240.1	49077.6	10436.7	994.6	391.3
443	85828.3	47930.7	10197.0	988.1	396.6
444	79625.8	46783.9	9955.4	981.5	401.6
445	73631.1	45637.3	9714.7	974.8	406.4
446	67845.5	44491.2	9472.2	968.0	411.2
447	62268.9	43345.8	9229.1	961.1	415.6
448	56901.7	42201.3	8985.2	954.1	420.1
449	51744.7	41058.0	8739.9	947.0	424.3
450	46796.0	39916.1	8496.1	939.8	428.3
451	42056.6	38775.8	8250.7	932.5	432.3
452	37525.9	37637.4	8005.3	925.1	436.0
453	33203.7	36501.4	7759.6	917.6	439.4
454	29089.9	35367.8	7513.5	909.9	442.7
455	25184.5	34236.9	7266.7	902.2	445.9
456	21484.6	33109.0	7022.5	894.4	448.8
457	17995.1	31984.4	6772.6	886.5	451.5
458	14711.3	30863.3	6527.1	878.4	454.1
459	11633.0	29746.2	6281.2	870.2	456.4
460	8757.7	28633.1	6037.3	862.0	458.6
461	6084.4	27524.5	5793.9	853.6	460.6
462	3612.4	26420.5	5550.7	845.1	462.4
463	1297.6	25321.5	5353.2	836.5	463.8
464	-875.3	24227.2	5172.8	828.2	465.4
465	-2840.9	23138.0	4923.4	819.8	466.8
466	-4600.6	22053.9	4674.9	811.4	468.1
467	-6156.6	20975.3	4428.2	802.8	469.0
468	-7511.0	19902.6	4183.1	794.1	469.8
469	-6685.8	18841.1	1845.7	781.5	468.1

470	-5277.1	17810.2	1135.6	754.9	457.7
471	-4006.8	16810.7	1183.7	728.1	446.7
472	-3728.3	15843.2	2130.0	701.0	435.2
473	-4712.1	14887.2	3414.1	689.1	432.9
474	-5504.4	13939.8	3175.6	679.2	431.6
475	-6126.3	13001.4	2958.7	669.3	430.2
476	-6581.8	12072.5	2745.5	659.3	428.4
477	-6873.5	11153.2	2534.5	649.1	426.4
478	-5900.0	10244.2	1160.1	638.7	424.1
479	-4020.4	9385.5	67.0	600.2	403.0
480	-2442.9	8580.3	245.0	560.0	380.0
481	-1129.5	7829.8	382.6	519.5	356.1
482	-1030.9	7125.1	1548.1	485.4	336.2
483	-1095.6	6442.8	1657.8	467.7	327.2
484	-1119.8	5783.7	1551.4	449.7	317.7
485	-1105.5	5148.1	1446.6	431.5	307.9
486	-1055.8	4536.6	1344.8	413.2	297.7
487	-973.1	3949.7	1245.1	394.7	287.2
488	-806.8	3388.0	1091.1	376.1	276.2
489	-513.8	2862.9	866.5	350.0	259.4
490	-295.9	2379.3	846.1	320.8	240.0
491	-133.1	1938.1	804.2	291.4	220.0
492	-18.8	1539.9	754.8	261.8	199.4
493	53.6	1185.6	697.9	231.9	178.2
494	91.3	875.9	633.0	201.8	156.4
495	101.4	611.7	560.1	171.4	134.0
496	91.3	393.7	478.9	140.8	111.1
497	68.3	222.7	389.4	110.0	87.5
498	40.2	99.6	291.2	78.9	63.3
499	14.8	25.0	184.3	47.5	38.4
500	0.0	0.0	68.3	15.9	13.0

Σ				1083772.5	-824747.6
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VERIFICA STABILITA' DEI PENDII

 Sezione D-D - Condizione Sismica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici :-0.116
 Coefficiente sismico verticale : 0.058
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Falda	1	160.420	145.140
Falda	2	169.390	143.250
Falda	3	176.950	141.680
Falda	4	179.650	141.240
Falda	5	184.390	139.790
Falda	6	186.770	139.350
Falda	7	189.620	138.750
Falda	8	192.760	138.310
Falda	9	194.530	138.140
Falda	10	199.350	136.740
Falda	11	203.540	136.130
Falda	12	205.550	136.130
Falda	13	207.320	135.730
Falda	14	214.400	135.330
Falda	15	222.160	135.290
Falda	16	229.440	135.290
Falda	17	241.900	136.090
Falda	18	249.060	137.140
Falda	19	254.210	137.020
Falda	20	259.160	137.420
Falda	21	265.870	137.460
Falda	22	267.480	137.140
Falda	23	274.400	137.140
Falda	24	278.180	135.210
Falda	25	283.770	132.760
Falda	26	286.710	131.630
Falda	27	291.330	131.790
Falda	28	295.710	130.700
Falda	29	297.520	130.740
Falda	30	301.300	129.620
Falda	31	306.970	129.620
Falda	32	310.710	129.260
Falda	33	315.380	128.570
Falda	34	317.790	128.850
Falda	35	336.900	129.020
Falda	36	338.180	128.210
Falda	37	339.830	128.210
Falda	38	345.820	125.150
Falda	39	348.800	124.550
Falda	40	352.860	123.300
Falda	41	354.350	123.300
Falda	42	361.230	121.700
Falda	43	368.950	119.640
Falda	44	371.400	118.720
Falda	45	379.240	116.630
Falda	46	383.350	115.140
Falda	47	384.630	115.180
Falda	48	387.210	113.770

Falda	49	394.890	111.920
Falda	50	399.550	110.560
Falda	51	400.800	110.520
Falda	52	412.180	106.780
Falda	53	417.130	105.010
Falda	54	418.700	104.890
Falda	55	424.730	103.120
Falda	56	433.300	100.900
Falda	57	441.820	98.610
Falda	58	452.080	97.400
Falda	59	462.050	96.960
Falda	60	475.120	94.630
Pendio	1	157.930	152.670
Pendio	2	164.620	154.160
Pendio	3	174.950	158.440
Pendio	4	185.100	162.660
Pendio	5	194.450	164.980
Pendio	6	199.910	165.400
Pendio	7	204.620	165.740
Pendio	8	210.380	165.740
Pendio	9	215.190	165.620
Pendio	10	219.310	165.100
Pendio	11	229.590	163.330
Pendio	12	234.490	162.530
Pendio	13	239.590	159.330
Pendio	14	244.820	155.730
Pendio	15	259.880	144.670
Pendio	16	264.870	141.300
Pendio	17	273.620	141.130
Pendio	18	274.400	141.200
Pendio	19	275.570	140.740
Pendio	20	278.790	139.170
Pendio	21	279.990	138.830
Pendio	22	287.420	135.790
Pendio	23	290.600	135.790
Pendio	24	292.970	135.790
Pendio	25	293.780	135.330
Pendio	26	296.680	134.510
Pendio	27	298.130	134.510
Pendio	28	302.170	133.520
Pendio	29	304.390	133.520
Pendio	30	307.540	133.530
Pendio	31	313.940	132.780
Pendio	32	325.860	132.780
Pendio	33	329.440	132.880
Pendio	34	334.280	132.850
Pendio	35	335.790	132.840
Pendio	36	337.180	132.850
Pendio	37	338.000	132.460
Pendio	38	339.450	132.460
Pendio	39	340.350	131.750
Pendio	40	341.960	131.470
Pendio	41	348.250	128.710
Pendio	42	361.980	125.500
Pendio	43	368.840	124.040
Pendio	44	381.880	119.900
Pendio	45	388.110	117.780
Pendio	46	403.570	113.710
Pendio	47	409.200	112.120
Pendio	48	411.530	111.270
Pendio	49	418.570	108.830
Pendio	50	419.770	108.760
Pendio	51	425.850	106.850
Pendio	52	427.300	106.320
Pendio	53	428.650	106.000
Pendio	54	429.750	105.970
Pendio	55	442.760	102.400
Pendio	56	449.590	101.650
Pendio	57	453.120	101.140
Pendio	58	465.150	100.660
Pendio	59	479.630	97.760

Pendio	60	485.770	97.440
2	1	162.550	153.699
2	2	162.550	152.360
2	3	164.540	152.960
2	4	169.820	155.130
2	5	174.830	157.210
2	6	185.160	161.610
2	7	189.760	162.810
2	8	194.610	163.860
2	9	199.570	164.300
2	10	204.460	164.570
2	11	214.830	164.500
2	12	229.940	162.110
2	13	234.370	161.290
2	14	239.580	158.210
2	15	244.880	154.290
2	16	249.890	150.770
2	17	259.900	143.480
2	18	262.450	141.810
2	19	262.450	142.934
3	1	163.100	152.526
3	2	163.100	151.870
3	3	175.210	147.870
3	4	179.640	146.730
3	5	182.350	146.000
3	6	185.030	145.570
3	7	190.000	143.750
3	8	195.210	141.590
3	9	199.810	140.270
3	10	204.790	138.490
3	11	208.220	138.270
3	12	212.270	138.350
3	13	215.790	138.350
3	14	219.830	138.430
3	15	224.840	138.830
3	16	229.880	139.270
3	17	239.620	140.190
3	18	244.540	140.510
3	19	254.270	140.950
3	20	259.240	140.910
3	21	261.760	141.470
3	22	261.760	142.262
4	1	163.340	151.791
4	2	163.340	150.540
4	3	171.810	147.790
4	4	174.980	146.940
4	5	180.070	145.360
4	6	184.870	144.460
4	7	189.950	142.710
4	8	198.050	139.680
4	9	204.340	137.630
4	10	207.260	137.430
4	11	214.950	137.310
4	12	222.920	137.590
4	13	224.920	137.710
4	14	229.990	138.060
4	15	238.570	138.910
4	16	241.620	139.270
4	17	246.740	139.750
4	18	254.350	139.870
4	19	259.350	139.950
4	20	263.800	141.230
4	21	263.800	142.023
5	1	259.740	140.062
5	2	259.740	139.470
5	3	264.420	135.660
5	4	286.720	135.660
5	5	286.720	136.076
6	1	163.420	150.514
6	2	163.420	140.940
6	3	181.800	136.900

6	4	184.470	136.200
6	5	186.750	135.900
6	6	204.490	132.450
6	7	210.820	131.540
6	8	214.330	131.010
6	9	222.130	130.420
6	10	239.390	130.360
6	11	244.870	130.800
6	12	254.220	130.800
6	13	259.180	130.340
6	14	264.010	130.340
6	15	266.770	129.720
6	16	269.900	129.810
6	17	272.690	129.280
6	18	275.820	127.350
6	19	285.000	124.090
6	20	288.590	124.044
6	21	288.590	135.790
7	1	288.590	124.044
7	2	288.590	117.790
7	3	289.210	117.790
7	4	289.210	135.790
8	1	289.210	135.790
8	2	289.210	124.038
8	3	290.020	124.020
8	4	290.950	123.752
8	5	290.950	135.790
9	1	290.950	123.752
9	2	290.950	105.790
9	3	292.250	105.790
9	4	292.250	123.557
10	1	292.250	135.790
10	2	292.250	123.557
10	3	300.300	121.540
10	4	308.620	121.450
10	5	312.370	120.870
10	6	336.320	120.870
10	7	342.710	118.000
10	8	343.990	117.560
10	9	351.790	115.480
10	10	353.900	115.240
10	11	356.710	114.420
10	12	358.820	114.190
10	13	365.650	112.310
10	14	372.800	110.020
10	15	373.680	110.080
10	16	377.670	108.500
10	17	379.220	108.350
10	18	385.060	105.980
10	19	385.640	106.300
10	20	388.690	105.220
10	21	395.490	103.280
10	22	398.830	102.700
10	23	400.710	102.140
10	24	402.490	101.640
10	25	405.020	101.060
10	26	407.180	100.380
10	27	408.560	99.910
10	28	410.170	98.920
10	29	411.640	98.540
10	30	413.160	98.150
10	31	415.190	97.450
10	32	417.270	96.810
10	33	418.530	96.750
10	34	419.640	96.400
10	35	422.160	95.430
10	36	424.120	95.050
10	37	424.120	107.393

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
6	Fila 3	2500.0	18.30	0.00	1.00
7	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
8	Fila 4	2500.0	18.30	0.00	1.00
9	DEPOSITI ALLUVIONALI	1900.0	0.00	13.70	0.40
10	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	321.31	228.37	107.75
2	302.43	204.45	81.51
3	332.33	263.51	142.65
4	310.66	214.53	92.89
5	307.14	231.01	107.71
6	340.34	309.32	189.08
7	312.19	227.21	106.49

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	321.31	228.37	107.75	1.428	1
1	321.31	228.37	107.75	1.444	2
2	302.43	204.45	81.51	1.250	1
2	302.43	204.45	81.51	1.272	2
3	332.33	263.51	142.65	1.420	1
3	332.33	263.51	142.65	1.442	2
4	310.66	214.53	92.89	1.316	1
4	310.66	214.53	92.89	1.335	2
5	307.14	231.01	107.71	1.143	1
5	307.14	231.01	107.71	1.159	2
6	340.34	309.32	189.08	1.163	1
6	340.34	309.32	189.08	1.175	2
7	312.19	227.21	106.49	1.221	1
7	312.19	227.21	106.49	1.238	2

CERCHIO CRITICO N° 5

Larghezza del concio.....=0.245

Situazione di carico numero 1

Coefficiente di sicurezza F =1.143

Coefficiente di forma =0.16360

Coefficiente F/Fo =1.07847

Numero iterazioni = 1

Precisione

=0.00455

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-51.81	0.397	0.120	19.6	66.6	-7.3
2	-51.60	0.395	0.120	19.6	198.8	-21.8
3	-51.39	0.393	0.120	19.6	329.9	-36.2
4	-51.18	0.391	0.120	19.6	459.9	-50.4
5	-50.98	0.389	0.120	19.6	588.8	-64.6
6	-50.77	0.388	0.008	19.6	684.4	-75.0
7	-50.56	0.386	0.008	19.6	770.5	-84.5
8	-50.36	0.384	0.008	19.6	855.9	-93.8
9	-50.16	0.383	0.008	19.6	940.6	-103.1
10	-49.95	0.381	0.008	19.6	1024.6	-112.3
11	-49.75	0.380	0.008	19.6	1107.8	-121.5
12	-49.55	0.378	0.008	19.6	1190.4	-130.5
13	-49.35	0.376	0.008	19.6	1272.2	-139.5
14	-49.15	0.375	0.008	19.6	1353.4	-148.4
15	-48.95	0.373	0.008	19.6	1433.9	-157.2
16	-48.75	0.372	0.008	19.6	1513.8	-166.0
17	-48.55	0.370	0.008	19.6	1593.0	-174.7
18	-48.36	0.369	0.008	19.6	1671.5	-183.3
19	-48.16	0.368	0.008	19.6	1749.4	-191.8
20	-47.97	0.366	0.008	19.6	1826.7	-200.3
21	-47.77	0.365	0.008	19.6	1903.3	-208.7
22	-47.58	0.363	0.008	19.6	1979.4	-217.0
23	-47.39	0.362	0.008	19.6	2054.8	-225.3
24	-47.19	0.361	0.008	19.6	2129.6	-233.5
25	-47.00	0.360	0.008	19.6	2203.8	-241.6
26	-46.81	0.358	0.008	19.6	2277.4	-249.7
27	-46.62	0.357	0.008	19.6	2350.4	-257.7
28	-46.43	0.356	0.008	19.6	2422.9	-265.6
29	-46.24	0.355	0.008	19.6	2494.7	-273.5
30	-46.05	0.353	0.008	19.6	2566.0	-281.3
31	-45.87	0.352	0.008	19.6	2637.8	-289.2
32	-45.68	0.351	0.008	19.6	2709.7	-297.1
33	-45.49	0.350	0.008	19.6	2781.4	-305.0
34	-45.31	0.349	0.008	19.6	2852.6	-312.8
35	-45.12	0.348	0.008	19.6	2923.2	-320.5
36	-44.94	0.346	0.008	19.6	2993.4	-328.2
37	-44.75	0.345	0.008	19.6	3062.9	-335.8
38	-44.57	0.344	0.008	19.6	3132.0	-343.4
39	-44.39	0.343	0.008	19.6	3200.5	-350.9
40	-44.20	0.342	0.008	19.6	3268.5	-358.4
41	-44.02	0.341	0.008	19.6	3336.0	-365.8
42	-43.84	0.340	0.008	19.6	3403.0	-373.1
43	-43.66	0.339	0.008	19.6	3469.5	-380.4
44	-43.48	0.338	0.008	19.6	3535.5	-387.6
45	-43.30	0.337	0.008	19.6	3601.0	-394.8
46	-43.12	0.336	0.008	19.6	3666.0	-401.9
47	-42.95	0.335	0.008	19.6	3730.6	-409.0
48	-42.77	0.334	0.008	19.6	3794.6	-416.0
49	-42.59	0.333	0.008	19.6	3858.2	-423.0
50	-42.41	0.332	0.008	19.6	3927.9	-430.7
51	-42.23	0.331	0.008	19.6	3949.9	-433.1
52	-42.06	0.330	0.008	19.6	3971.5	-435.4
53	-41.88	0.329	0.008	19.6	3992.6	-437.8
54	-41.71	0.328	0.008	19.6	4013.3	-440.0
55	-41.53	0.328	0.008	19.6	4033.5	-442.2
56	-41.36	0.327	0.008	19.6	4053.2	-444.4
57	-41.19	0.326	0.008	19.6	4072.5	-446.5
58	-41.01	0.325	0.008	19.6	4091.4	-448.6
59	-40.84	0.324	0.008	19.6	4109.8	-450.6
60	-40.67	0.323	0.008	19.6	4127.8	-452.6
61	-40.50	0.322	0.008	19.6	4145.4	-454.5
62	-40.33	0.322	0.008	19.6	4162.5	-456.4
63	-40.16	0.321	0.008	19.6	4179.2	-458.2
64	-39.98	0.320	0.008	19.6	4195.5	-460.0
65	-39.81	0.319	0.008	19.6	4211.4	-461.7

66	-39.65	0.318	0.008	19.6	4226.8	-463.4
67	-39.48	0.318	0.008	19.6	4241.9	-465.1
68	-39.31	0.317	0.008	19.6	4256.5	-466.7
69	-39.14	0.316	0.008	19.6	4270.7	-468.2
70	-38.97	0.315	0.008	19.6	4284.6	-469.8
71	-38.80	0.315	0.008	19.6	4297.8	-471.2
72	-38.64	0.314	0.008	19.6	4309.2	-472.5
73	-38.47	0.313	0.008	19.6	4320.1	-473.7
74	-38.30	0.312	0.008	19.6	4330.7	-474.8
75	-38.14	0.312	0.008	19.6	4340.8	-475.9
76	-37.97	0.311	0.008	19.6	4350.6	-477.0
77	-37.81	0.310	0.008	19.6	4360.0	-478.0
78	-37.64	0.310	0.008	19.6	4369.0	-479.0
79	-37.48	0.309	0.008	19.6	4377.6	-480.0
80	-37.31	0.308	0.008	19.6	4385.8	-480.9
81	-37.15	0.308	0.008	19.6	4393.7	-481.7
82	-36.98	0.307	0.008	19.6	4401.2	-482.6
83	-36.82	0.306	0.008	19.6	4408.4	-483.3
84	-36.66	0.306	0.008	19.6	4415.1	-484.1
85	-36.49	0.305	0.008	19.6	4421.5	-484.8
86	-36.33	0.304	0.008	19.6	4427.5	-485.4
87	-36.17	0.304	0.008	19.6	4433.2	-486.1
88	-36.01	0.303	0.008	19.6	4438.5	-486.6
89	-35.85	0.303	0.008	19.6	4443.5	-487.2
90	-35.69	0.302	0.008	19.6	4448.1	-487.7
91	-35.53	0.301	0.008	19.6	4452.4	-488.2
92	-35.37	0.301	0.008	19.6	4456.3	-488.6
93	-35.21	0.300	0.008	19.6	4454.0	-488.3
94	-35.05	0.300	0.008	19.6	4450.2	-487.9
95	-34.89	0.299	0.008	19.6	4446.1	-487.5
96	-34.73	0.298	0.008	19.6	4441.6	-487.0
97	-34.57	0.298	0.008	19.6	4436.9	-486.5
98	-34.42	0.297	0.008	19.6	4431.7	-485.9
99	-34.26	0.297	0.008	19.6	4426.3	-485.3
100	-34.10	0.296	0.008	19.6	4420.5	-484.7
101	-33.94	0.296	0.008	19.6	4414.4	-484.0
102	-33.79	0.295	0.008	19.6	4407.9	-483.3
103	-33.63	0.294	0.008	19.6	4401.1	-482.5
104	-33.47	0.294	0.008	19.6	4394.0	-481.8
105	-33.31	0.293	0.008	19.6	4386.6	-481.0
106	-33.16	0.293	0.008	19.6	4378.9	-480.1
107	-33.01	0.292	0.000	11.3	4372.1	-479.4
108	-32.85	0.292	0.000	11.3	4390.2	-481.3
109	-32.69	0.291	0.000	11.3	4407.8	-483.3
110	-32.54	0.291	0.000	11.3	4424.9	-485.1
111	-32.38	0.290	0.000	11.3	4441.6	-487.0
112	-32.23	0.290	0.000	11.3	4457.8	-488.8
113	-32.08	0.289	0.000	13.7	4473.7	-490.5
114	-31.92	0.289	0.000	13.7	4490.0	-492.3
115	-31.77	0.288	0.000	13.7	4505.8	-494.0
116	-31.61	0.288	0.000	13.7	4521.2	-495.7
117	-31.46	0.287	0.000	13.7	4536.2	-497.3
118	-31.31	0.287	0.000	13.7	4550.7	-498.9
119	-31.16	0.287	0.000	13.7	4564.7	-500.5
120	-31.00	0.286	0.000	13.7	4578.3	-502.0
121	-30.85	0.286	0.000	13.7	4591.5	-503.4
122	-30.70	0.285	0.000	13.7	4604.2	-504.8
123	-30.55	0.285	0.000	13.7	4616.5	-506.2
124	-30.40	0.284	0.000	13.7	4628.4	-507.5
125	-30.25	0.284	0.000	13.7	4639.9	-508.7
126	-30.10	0.283	0.000	13.7	4650.9	-509.9
127	-29.95	0.283	0.000	13.7	4661.5	-511.1
128	-29.80	0.283	0.000	13.7	4671.7	-512.2
129	-29.65	0.282	0.000	13.7	4681.4	-513.3
130	-29.49	0.282	0.000	13.7	4690.8	-514.3
131	-29.35	0.281	0.000	13.7	4698.9	-515.2
132	-29.20	0.281	0.000	13.7	4712.7	-516.7
133	-29.05	0.280	0.000	13.7	4735.0	-519.1
134	-28.90	0.280	0.000	13.7	4756.8	-521.5
135	-28.75	0.280	0.000	13.7	4778.1	-523.9
136	-28.60	0.279	0.000	13.7	4798.9	-526.2

137	-28.45	0.279	0.000	13.7	4819.2	-528.4
138	-28.30	0.278	0.000	13.7	4839.0	-530.6
139	-28.15	0.278	0.000	13.7	4858.3	-532.7
140	-28.01	0.278	0.000	13.7	4877.1	-534.7
141	-27.86	0.277	0.000	13.7	4895.5	-536.7
142	-27.71	0.277	0.000	13.7	4913.4	-538.7
143	-27.56	0.277	0.000	13.7	4930.8	-540.6
144	-27.42	0.276	0.000	13.7	4947.7	-542.5
145	-27.27	0.276	0.000	13.7	4964.1	-544.3
146	-27.12	0.275	0.000	13.7	4980.1	-546.0
147	-26.98	0.275	0.000	13.7	4995.6	-547.7
148	-26.83	0.275	0.000	13.7	5010.6	-549.4
149	-26.68	0.274	0.000	13.7	5025.2	-551.0
150	-26.54	0.274	0.000	13.7	5039.2	-552.5
151	-26.39	0.274	0.000	13.7	5052.8	-554.0
152	-26.25	0.273	0.000	13.7	5072.9	-556.2
153	-26.10	0.273	0.000	13.7	5092.4	-558.3
154	-25.96	0.273	0.000	13.7	5113.8	-560.7
155	-25.81	0.272	0.000	13.7	5136.8	-563.2
156	-25.67	0.272	0.000	13.7	5159.4	-565.7
157	-25.52	0.272	0.000	13.7	5181.5	-568.1
158	-25.38	0.271	0.000	13.7	5203.1	-570.5
159	-25.23	0.271	0.000	13.7	5224.3	-572.8
160	-25.09	0.271	0.000	13.7	5245.0	-575.1
161	-24.95	0.270	0.000	13.7	5265.3	-577.3
162	-24.80	0.270	0.000	13.7	5381.4	-590.0
163	-24.66	0.270	0.000	13.7	5367.3	-588.5
164	-24.52	0.269	0.000	13.7	5352.8	-586.9
165	-24.37	0.269	0.000	13.7	5337.8	-585.2
166	-24.23	0.269	0.000	13.7	5322.4	-583.6
167	-24.09	0.269	0.000	13.7	5306.6	-581.8
168	-23.94	0.268	0.000	13.7	5290.3	-580.0
169	-23.80	0.268	0.000	13.7	5273.6	-578.2
170	-23.66	0.268	0.000	13.7	5256.4	-576.3
171	-23.52	0.267	0.000	13.7	5238.8	-574.4
172	-23.37	0.267	0.000	13.7	5220.8	-572.4
173	-23.23	0.267	0.000	13.7	5202.3	-570.4
174	-23.09	0.267	0.000	13.7	5193.2	-569.4
175	-22.95	0.266	0.000	13.7	5253.1	-576.0
176	-22.80	0.266	0.000	13.7	5312.6	-582.5
177	-22.67	0.266	0.000	13.7	5371.7	-589.0
178	-22.52	0.265	0.000	13.7	5430.2	-595.4
179	-22.38	0.265	0.000	13.7	5483.3	-601.2
180	-22.24	0.265	0.000	13.7	5535.9	-607.0
181	-22.10	0.265	0.000	13.7	5588.1	-612.7
182	-21.96	0.264	0.000	13.7	5639.9	-618.4
183	-21.82	0.264	0.000	13.7	5691.3	-624.0
184	-21.68	0.264	0.000	13.7	5742.2	-629.6
185	-21.54	0.264	0.000	13.7	5795.2	-635.4
186	-21.40	0.263	0.000	13.7	5850.4	-641.4
187	-21.26	0.263	0.000	13.7	5905.1	-647.4
188	-21.12	0.263	0.000	13.7	5959.5	-653.4
189	-20.98	0.263	0.000	13.7	6013.5	-659.3
190	-20.84	0.262	0.000	13.7	6067.0	-665.2
191	-20.70	0.262	0.000	13.7	6120.1	-671.0
192	-20.56	0.262	0.000	13.7	6172.9	-676.8
193	-20.42	0.262	0.000	13.7	6225.2	-682.5
194	-20.28	0.261	0.000	13.7	6277.1	-688.2
195	-20.14	0.261	0.000	13.7	6328.6	-693.9
196	-20.01	0.261	0.000	13.7	6379.7	-699.5
197	-19.87	0.261	0.000	13.7	6430.4	-705.0
198	-19.73	0.260	0.176	14.5	6480.8	-710.6
199	-19.59	0.260	0.176	14.5	6530.7	-716.0
200	-19.45	0.260	0.176	14.5	6580.2	-721.5
201	-19.31	0.260	0.176	14.5	6629.3	-726.8
202	-19.17	0.260	0.176	14.5	6678.0	-732.2
203	-19.04	0.259	0.176	14.5	6726.3	-737.5
204	-18.90	0.259	0.176	14.5	6774.3	-742.7
205	-18.76	0.259	0.176	14.5	6821.8	-747.9
206	-18.62	0.259	0.176	14.5	6869.0	-753.1
207	-18.48	0.259	0.176	14.5	6915.7	-758.2

208	-18.35	0.258	0.176	14.5	6962.1	-763.3
209	-18.21	0.258	0.176	14.5	7008.0	-768.4
210	-18.07	0.258	0.176	14.5	7059.4	-774.0
211	-17.94	0.258	0.000	13.7	7117.8	-780.4
212	-17.80	0.258	0.000	13.7	7175.8	-786.8
213	-17.66	0.257	0.000	13.7	7215.2	-791.1
214	-17.52	0.257	0.000	13.7	7201.1	-789.5
215	-17.39	0.257	0.000	13.7	7186.6	-787.9
216	-17.25	0.257	0.000	13.7	7171.7	-786.3
217	-17.12	0.257	0.000	13.7	7156.4	-784.6
218	-16.98	0.256	0.000	13.7	7135.3	-782.3
219	-16.84	0.256	0.000	13.7	7107.8	-779.3
220	-16.71	0.256	0.000	13.7	7080.0	-776.3
221	-16.57	0.256	0.000	13.7	7051.8	-773.2
222	-16.43	0.256	0.000	13.7	7023.2	-770.0
223	-16.30	0.255	0.000	13.7	6994.3	-766.9
224	-16.16	0.255	0.000	13.7	6964.9	-763.6
225	-16.02	0.255	0.000	13.7	6935.2	-760.4
226	-15.89	0.255	0.000	13.7	6905.1	-757.1
227	-15.75	0.255	0.000	13.7	6874.7	-753.7
228	-15.62	0.255	0.000	13.7	6843.9	-750.4
229	-15.48	0.254	0.000	13.7	6814.2	-747.1
230	-15.35	0.254	0.000	13.7	6784.5	-743.9
231	-15.21	0.254	0.000	13.7	6763.0	-741.5
232	-15.08	0.254	0.000	13.7	6757.2	-740.9
233	-14.94	0.254	0.000	13.7	6751.1	-740.2
234	-14.81	0.254	0.000	13.7	6744.5	-739.5
235	-14.67	0.253	0.000	13.7	6737.6	-738.7
236	-14.54	0.253	0.000	13.7	6723.4	-737.2
237	-14.40	0.253	0.000	13.7	6700.6	-734.7
238	-14.27	0.253	0.000	13.7	6677.4	-732.1
239	-14.13	0.253	0.000	13.7	6653.8	-729.5
240	-14.00	0.253	0.000	13.7	6629.8	-726.9
241	-13.86	0.253	0.000	13.7	6605.5	-724.2
242	-13.73	0.252	0.000	13.7	6580.9	-721.5
243	-13.60	0.252	0.000	13.7	6555.8	-718.8
244	-13.46	0.252	0.000	13.7	6530.4	-716.0
245	-13.33	0.252	0.000	13.7	6504.7	-713.2
246	-13.19	0.252	0.000	13.7	6478.6	-710.3
247	-13.06	0.252	0.000	13.7	6452.1	-707.4
248	-12.93	0.252	0.000	13.7	6425.2	-704.5
249	-12.79	0.251	0.000	13.7	6398.1	-701.5
250	-12.66	0.251	0.000	13.7	6370.5	-698.5
251	-12.52	0.251	0.000	13.7	6342.6	-695.4
252	-12.39	0.251	0.000	13.7	6315.7	-692.5
253	-12.26	0.251	0.000	13.7	6288.5	-689.5
254	-12.12	0.251	0.000	13.7	6260.9	-686.4
255	-11.99	0.251	0.000	13.7	6232.9	-683.4
256	-11.86	0.251	0.000	13.7	6204.6	-680.3
257	-11.73	0.250	0.000	13.7	6175.9	-677.1
258	-11.59	0.250	0.000	13.7	6146.8	-673.9
259	-11.46	0.250	0.000	13.7	6117.4	-670.7
260	-11.33	0.250	0.000	13.7	6087.7	-667.5
261	-11.19	0.250	0.000	13.7	6057.6	-664.2
262	-11.06	0.250	0.000	13.7	6027.1	-660.8
263	-10.93	0.250	0.000	13.7	5996.9	-657.5
264	-10.79	0.250	0.000	13.7	5976.4	-655.3
265	-10.66	0.249	0.000	13.7	5955.5	-653.0
266	-10.53	0.249	0.000	13.7	5941.9	-651.5
267	-10.40	0.249	0.000	13.7	5969.8	-654.5
268	-10.26	0.249	0.000	13.7	5997.4	-657.6
269	-10.13	0.249	0.000	13.7	6024.6	-660.5
270	-10.00	0.249	0.000	13.7	6051.4	-663.5
271	-9.87	0.249	18.300	0.0	8833.7	-968.5
272	-9.73	0.249	18.300	0.0	8874.3	-973.0
273	-9.60	0.249	18.300	0.0	8914.5	-977.4
274	-9.47	0.249	0.000	13.7	6155.3	-674.9
275	-9.34	0.248	0.000	13.7	6180.5	-677.6
276	-9.21	0.248	0.000	13.7	6205.2	-680.3
277	-9.07	0.248	0.000	13.7	6229.6	-683.0
278	-8.94	0.248	0.000	13.7	6253.7	-685.7

279	-8.81	0.248	0.000	13.7	6277.4	-688.3
280	-8.68	0.248	0.000	13.7	6300.8	-690.8
281	-8.54	0.248	18.300	0.0	9216.5	-1010.5
282	-8.41	0.248	18.300	0.0	9248.2	-1014.0
283	-8.28	0.248	18.300	0.0	9265.0	-1015.8
284	-8.15	0.248	18.300	0.0	9281.3	-1017.6
285	-8.02	0.248	18.300	0.0	9297.1	-1019.3
286	-7.89	0.248	0.000	13.7	6403.5	-702.1
287	-7.75	0.247	0.000	13.7	6417.3	-703.6
288	-7.62	0.247	0.000	13.7	6430.7	-705.1
289	-7.49	0.247	0.000	13.7	6408.1	-702.6
290	-7.36	0.247	0.000	13.7	6352.2	-696.5
291	-7.23	0.247	0.000	13.7	6296.0	-690.3
292	-7.10	0.247	0.000	13.7	6246.9	-684.9
293	-6.97	0.247	0.000	13.7	6224.4	-682.4
294	-6.83	0.247	0.000	13.7	6201.6	-679.9
295	-6.70	0.247	0.000	13.7	6178.5	-677.4
296	-6.57	0.247	0.000	13.7	6155.0	-674.8
297	-6.44	0.247	0.000	13.7	6131.2	-672.2
298	-6.31	0.247	0.000	13.7	6107.0	-669.6
299	-6.18	0.247	0.000	13.7	6082.5	-666.9
300	-6.05	0.247	0.000	13.7	6060.0	-664.4
301	-5.92	0.246	0.000	13.7	6041.7	-662.4
302	-5.78	0.246	0.000	13.7	6023.1	-660.4
303	-5.65	0.246	0.000	13.7	6004.2	-658.3
304	-5.52	0.246	0.000	13.7	5998.1	-657.6
305	-5.39	0.246	0.000	13.7	6012.7	-659.2
306	-5.26	0.246	0.000	13.7	6026.9	-660.8
307	-5.13	0.246	0.000	13.7	6040.7	-662.3
308	-5.00	0.246	0.000	13.7	6046.5	-662.9
309	-4.87	0.246	0.000	13.7	6051.6	-663.5
310	-4.74	0.246	0.000	13.7	6042.2	-662.5
311	-4.61	0.246	0.000	13.7	6017.0	-659.7
312	-4.47	0.246	0.000	13.7	5991.5	-656.9
313	-4.34	0.246	0.000	13.7	5965.6	-654.1
314	-4.21	0.246	0.000	13.7	5939.4	-651.2
315	-4.08	0.246	0.000	13.7	5912.9	-648.3
316	-3.95	0.246	0.000	13.7	5886.0	-645.3
317	-3.82	0.246	0.000	13.7	5858.8	-642.4
318	-3.69	0.246	0.000	13.7	5831.2	-639.3
319	-3.56	0.246	0.000	13.7	5803.4	-636.3
320	-3.43	0.246	0.000	13.7	5775.1	-633.2
321	-3.30	0.246	0.000	13.7	5746.6	-630.1
322	-3.17	0.246	0.000	13.7	5717.7	-626.9
323	-3.04	0.246	0.000	13.7	5692.6	-624.1
324	-2.91	0.245	0.000	13.7	5670.6	-621.7
325	-2.78	0.245	0.000	13.7	5648.2	-619.3
326	-2.64	0.245	0.000	13.7	5625.5	-616.8
327	-2.52	0.245	0.000	13.7	5632.0	-617.5
328	-2.38	0.245	0.000	13.7	5638.3	-618.2
329	-2.25	0.245	0.000	13.7	5644.2	-618.8
330	-2.12	0.245	0.000	13.7	5649.8	-619.4
331	-1.99	0.245	0.000	13.7	5655.1	-620.0
332	-1.86	0.245	0.000	13.7	5660.0	-620.6
333	-1.73	0.245	0.000	13.7	5664.6	-621.1
334	-1.60	0.245	0.000	13.7	5668.8	-621.5
335	-1.47	0.245	0.000	13.7	5672.7	-622.0
336	-1.34	0.245	0.000	13.7	5676.7	-622.4
337	-1.21	0.245	0.000	13.7	5680.3	-622.8
338	-1.08	0.245	0.000	13.7	5683.6	-623.2
339	-0.95	0.245	0.000	13.7	5686.6	-623.5
340	-0.82	0.245	0.000	13.7	5689.2	-623.8
341	-0.69	0.245	0.000	13.7	5691.6	-624.0
342	-0.56	0.245	0.000	13.7	5693.5	-624.2
343	-0.43	0.245	0.000	13.7	5695.2	-624.4
344	-0.30	0.245	0.000	13.7	5696.5	-624.6
345	-0.17	0.245	0.000	13.7	5697.4	-624.7
346	-0.04	0.245	0.000	13.7	5697.1	-624.6
347	0.09	0.245	0.000	13.7	5694.9	-624.4
348	0.23	0.245	0.000	13.7	5691.0	-624.0
349	0.35	0.245	0.000	13.7	5673.7	-622.1

350	0.49	0.245	0.000	13.7	5656.0	-620.1
351	0.62	0.245	0.000	13.7	5638.0	-618.2
352	0.75	0.245	0.000	13.7	5619.6	-616.1
353	0.88	0.245	0.000	13.7	5600.9	-614.1
354	1.01	0.245	0.000	13.7	5581.9	-612.0
355	1.14	0.245	0.000	13.7	5562.6	-609.9
356	1.27	0.245	0.000	13.7	5542.9	-607.7
357	1.40	0.245	0.000	13.7	5522.9	-605.5
358	1.53	0.245	0.000	13.7	5502.5	-603.3
359	1.66	0.245	0.000	13.7	5481.8	-601.0
360	1.79	0.245	0.000	13.7	5460.8	-598.7
361	1.92	0.245	0.000	13.7	5439.2	-596.4
362	2.05	0.245	0.000	13.7	5416.2	-593.8
363	2.18	0.245	0.000	13.7	5392.9	-591.3
364	2.31	0.245	0.000	13.7	5369.2	-588.7
365	2.44	0.245	0.000	13.7	5345.2	-586.1
366	2.57	0.245	0.000	13.7	5320.9	-583.4
367	2.70	0.245	0.000	13.7	5296.2	-580.7
368	2.84	0.245	0.000	13.7	5271.2	-577.9
369	2.97	0.246	0.000	13.7	5245.9	-575.2
370	3.10	0.246	0.000	13.7	5220.2	-572.4
371	3.23	0.246	0.000	13.7	5194.2	-569.5
372	3.36	0.246	0.000	13.7	5167.9	-566.6
373	3.49	0.246	0.000	13.7	5141.2	-563.7
374	3.62	0.246	0.000	13.7	5114.2	-560.7
375	3.75	0.246	0.000	13.7	5101.0	-559.3
376	3.88	0.246	0.000	13.7	5087.5	-557.8
377	4.01	0.246	0.000	13.7	5073.6	-556.3
378	4.14	0.246	0.000	13.7	5059.4	-554.7
379	4.27	0.246	0.000	13.7	5044.9	-553.1
380	4.40	0.246	0.000	13.7	5030.9	-551.6
381	4.54	0.246	0.000	13.7	5022.4	-550.7
382	4.66	0.246	0.000	13.7	5013.6	-549.7
383	4.80	0.246	0.000	13.7	5004.4	-548.7
384	4.93	0.246	0.000	13.7	4994.9	-547.6
385	5.06	0.246	0.000	13.7	4985.1	-546.6
386	5.19	0.246	0.000	13.7	4974.9	-545.5
387	5.32	0.246	0.000	13.7	4964.4	-544.3
388	5.45	0.246	0.000	13.7	4953.6	-543.1
389	5.58	0.246	0.000	13.7	4942.4	-541.9
390	5.71	0.246	0.000	13.7	4930.1	-540.5
391	5.85	0.246	0.000	13.7	4915.5	-538.9
392	5.97	0.247	0.000	13.7	4900.6	-537.3
393	6.11	0.247	0.000	13.7	4885.4	-535.6
394	6.24	0.247	0.000	13.7	4869.8	-533.9
395	6.37	0.247	0.000	13.7	4853.8	-532.2
396	6.50	0.247	0.000	13.7	4837.6	-530.4
397	6.63	0.247	0.000	13.7	4821.0	-528.6
398	6.76	0.247	0.000	13.7	4804.0	-526.7
399	6.89	0.247	0.000	13.7	4786.7	-524.8
400	7.02	0.247	0.000	13.7	4769.1	-522.9
401	7.16	0.247	0.000	13.7	4751.1	-520.9
402	7.29	0.247	0.000	13.7	4732.8	-518.9
403	7.42	0.247	0.000	13.7	4714.1	-516.9
404	7.55	0.247	0.000	13.7	4695.1	-514.8
405	7.68	0.247	0.000	13.7	4675.8	-512.7
406	7.81	0.247	0.000	13.7	4656.1	-510.5
407	7.95	0.248	0.000	13.7	4636.1	-508.3
408	8.08	0.248	0.000	13.7	4615.7	-506.1
409	8.21	0.248	0.000	13.7	4595.0	-503.8
410	8.34	0.248	0.000	13.7	4574.0	-501.5
411	8.47	0.248	0.000	13.7	4552.6	-499.1
412	8.61	0.248	0.000	13.7	4530.8	-496.8
413	8.74	0.248	0.000	13.7	4508.7	-494.3
414	8.87	0.248	0.000	13.7	4486.3	-491.9
415	9.00	0.248	0.000	13.7	4463.5	-489.4
416	9.13	0.248	0.000	13.7	4440.4	-486.9
417	9.26	0.248	0.000	13.7	4416.9	-484.3
418	9.40	0.249	0.000	13.7	4393.1	-481.7
419	9.53	0.249	0.000	13.7	4369.0	-479.0
420	9.66	0.249	0.000	13.7	4344.5	-476.3

421	9.80	0.249	0.000	13.7	4319.6	-473.6
422	9.93	0.249	0.000	13.7	4294.4	-470.8
423	10.06	0.249	0.000	13.7	4270.1	-468.2
424	10.19	0.249	0.000	13.7	4247.6	-465.7
425	10.32	0.249	0.000	13.7	4224.7	-463.2
426	10.46	0.249	0.000	13.7	4201.5	-460.7
427	10.59	0.249	0.000	13.7	4177.9	-458.1
428	10.72	0.250	0.000	13.7	4154.0	-455.4
429	10.85	0.250	0.000	13.7	4129.7	-452.8
430	10.99	0.250	0.000	13.7	4105.1	-450.1
431	11.12	0.250	0.000	13.7	4080.1	-447.3
432	11.25	0.250	0.000	13.7	4054.8	-444.6
433	11.39	0.250	0.000	13.7	4029.1	-441.8
434	11.52	0.250	0.000	13.7	4003.1	-438.9
435	11.65	0.250	0.000	13.7	3976.7	-436.0
436	11.79	0.250	0.000	13.7	3949.9	-433.1
437	11.92	0.251	0.000	13.7	3922.8	-430.1
438	12.05	0.251	0.000	13.7	3892.2	-426.7
439	12.19	0.251	0.000	13.7	3860.2	-423.2
440	12.32	0.251	0.000	13.7	3827.9	-419.7
441	12.45	0.251	0.000	13.7	3795.3	-416.1
442	12.59	0.251	0.000	13.7	3762.3	-412.5
443	12.72	0.251	0.000	13.7	3728.9	-408.8
444	12.86	0.251	0.000	13.7	3695.2	-405.1
445	12.99	0.252	0.000	13.7	3661.1	-401.4
446	13.12	0.252	0.000	13.7	3626.6	-397.6
447	13.26	0.252	0.000	13.7	3591.8	-393.8
448	13.39	0.252	0.000	13.7	3556.7	-390.0
449	13.52	0.252	0.000	13.7	3521.1	-386.1
450	13.66	0.252	0.000	13.7	3485.2	-382.1
451	13.79	0.252	0.000	13.7	3449.0	-378.1
452	13.93	0.253	0.000	13.7	3412.4	-374.1
453	14.06	0.253	0.000	13.7	3375.4	-370.1
454	14.20	0.253	0.000	13.7	3338.0	-366.0
455	14.33	0.253	0.000	13.7	3300.3	-361.8
456	14.47	0.253	0.000	13.7	3262.2	-357.7
457	14.60	0.253	0.000	13.7	3223.8	-353.5
458	14.74	0.254	0.000	13.7	3184.9	-349.2
459	14.87	0.254	0.000	13.7	3145.7	-344.9
460	15.01	0.254	0.000	13.7	3106.1	-340.6
461	15.14	0.254	0.000	13.7	3066.1	-336.2
462	15.28	0.254	0.000	13.7	3025.8	-331.7
463	15.41	0.254	0.000	13.7	2985.1	-327.3
464	15.55	0.254	0.000	13.7	2945.4	-322.9
465	15.68	0.255	0.000	13.7	2905.7	-318.6
466	15.82	0.255	0.000	13.7	2865.5	-314.2
467	15.95	0.255	0.000	13.7	2825.0	-309.7
468	16.09	0.255	0.000	13.7	2778.3	-304.6
469	16.22	0.255	0.000	13.7	2708.2	-296.9
470	16.36	0.256	0.000	13.7	2591.9	-284.2
471	16.49	0.256	0.000	13.7	2475.2	-271.4
472	16.63	0.256	0.000	13.7	2358.1	-258.5
473	16.77	0.256	0.000	13.7	2292.7	-251.4
474	16.90	0.256	0.000	13.7	2248.4	-246.5
475	17.04	0.256	0.000	13.7	2203.8	-241.6
476	17.18	0.257	0.000	13.7	2158.8	-236.7
477	17.31	0.257	0.000	13.7	2113.3	-231.7
478	17.45	0.257	0.000	13.7	2072.3	-227.2
479	17.59	0.257	0.000	13.7	1943.1	-213.0
480	17.73	0.257	0.000	13.7	1809.3	-198.4
481	17.86	0.258	0.000	13.7	1675.2	-183.7
482	18.00	0.258	0.000	13.7	1561.9	-171.2
483	18.14	0.258	0.000	13.7	1501.4	-164.6
484	18.27	0.258	0.000	13.7	1440.7	-158.0
485	18.41	0.258	0.000	13.7	1379.6	-151.3
486	18.55	0.259	0.000	13.7	1318.2	-144.5
487	18.68	0.259	0.000	13.7	1256.4	-137.8
488	18.82	0.259	0.000	13.7	1194.4	-131.0
489	18.96	0.259	0.000	13.7	1109.0	-121.6
490	19.10	0.259	0.000	13.7	1014.3	-111.2
491	19.24	0.260	0.000	13.7	919.3	-100.8

492	19.38	0.260	0.000	13.7	823.9	-90.3
493	19.51	0.260	0.000	13.7	728.2	-79.8
494	19.65	0.260	0.000	13.7	632.2	-69.3
495	19.79	0.261	0.000	13.7	535.9	-58.8
496	19.93	0.261	0.000	13.7	439.2	-48.2
497	20.07	0.261	0.000	13.7	342.2	-37.5
498	20.21	0.261	0.000	13.7	244.8	-26.8
499	20.35	0.261	0.000	13.7	147.1	-16.1
500	20.49	0.262	0.000	13.7	49.1	-5.4

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	1806.2	3308.7	-950.1	627.8	-91.9
2	2815.4	2952.5	16.6	715.7	-272.7
3	2498.6	2697.4	1538.8	801.7	-449.4
4	2211.4	2541.3	1647.1	885.7	-622.2
5	1943.1	2481.9	1765.9	967.8	-791.1
6	1057.7	2953.8	1707.9	502.4	-913.3
7	972.4	3485.5	959.4	557.2	-1021.3
8	843.5	4075.8	1097.5	610.8	-1127.0
9	664.5	4723.3	1242.2	663.3	-1230.3
10	429.4	5426.7	1393.0	714.6	-1331.4
11	132.4	6184.6	1549.8	764.9	-1430.1
12	-232.0	6996.0	1712.3	814.0	-1526.7
13	-669.1	7859.4	1880.2	862.2	-1621.1
14	-1184.5	8773.9	2053.9	909.4	-1713.6
15	-1783.3	9738.0	2233.2	955.5	-1803.8
16	-2469.9	10750.8	2416.8	1000.9	-1892.3
17	-3249.3	11811.0	2605.9	1045.2	-1978.7
18	-4126.4	12917.6	2800.2	1088.6	-2063.2
19	-5106.0	14069.4	2999.4	1131.2	-2145.8
20	-6191.1	15265.5	3202.1	1172.9	-2226.7
21	-7387.3	16504.6	3410.6	1213.7	-2305.7
22	-8697.6	17785.8	3622.4	1253.8	-2383.0
23	-10126.9	19108.1	3839.5	1293.2	-2458.7
24	-11677.5	20470.6	4059.2	1331.7	-2532.7
25	-13354.2	21872.1	4284.1	1369.5	-2604.9
26	-15160.3	23311.9	4512.5	1406.6	-2675.8
27	-17099.0	24788.9	4744.6	1443.0	-2745.0
28	-19173.9	26302.1	4980.7	1478.6	-2812.6
29	-21387.1	27850.8	5219.0	1513.7	-2878.8
30	-23789.5	29434.0	5513.3	1548.0	-2943.5
31	-26395.7	31051.5	5825.1	1582.4	-3008.0
32	-29164.0	32702.8	6092.0	1616.4	-3071.7
33	-32096.8	34387.2	6362.1	1650.1	-3134.5
34	-35193.5	36104.1	6631.6	1683.3	-3196.1
35	-38459.4	37852.7	6907.0	1715.8	-3256.3
36	-41894.8	39631.8	7183.2	1747.7	-3314.8
37	-45504.2	41440.8	7464.3	1779.1	-3372.4
38	-49287.5	43279.1	7745.5	1810.0	-3428.8
39	-53251.2	45145.6	8034.2	1840.2	-3483.5
40	-57392.5	47039.7	8319.9	1870.0	-3537.4
41	-61716.7	48960.7	8611.5	1899.2	-3589.9
42	-66227.4	50907.7	8907.6	1928.0	-3641.2
43	-70922.5	52880.1	9201.2	1956.3	-3691.4
44	-75808.3	54877.2	9502.3	1984.1	-3740.5
45	-80882.5	56898.1	9800.9	2011.3	-3788.3
46	-86150.6	58942.4	10105.9	2038.2	-3835.3
47	-91609.9	61009.3	10408.0	2064.7	-3881.2
48	-97267.7	63097.9	10718.5	2090.5	-3925.7
49	-103118.5	65207.9	11023.1	2116.2	-3969.6
50	-103645.3	67341.9	5098.3	2144.8	-4018.8
51	-98398.5	69473.7	-1405.9	2147.7	-4019.0
52	-92663.2	71602.7	-1937.0	2150.4	-4018.7
53	-86445.1	73729.0	-2463.6	2152.9	-4018.2
54	-79740.2	75852.1	-2996.8	2155.2	-4017.0
55	-72555.2	77971.6	-3524.2	2157.3	-4015.1
56	-64884.5	80087.1	-4059.9	2159.1	-4012.8

57	-56733.6	82198.5	-4591.1	2160.8	-4010.2
58	-48103.2	84305.4	-5123.5	2162.2	-4006.9
59	-38994.1	86407.4	-5656.9	2163.4	-4003.2
60	-29406.3	88504.7	-6191.6	2164.6	-3999.4
61	-19344.9	90596.5	-6722.9	2165.5	-3994.7
62	-8809.3	92682.7	-7256.3	2166.2	-3989.7
63	2200.4	94763.1	-7791.4	2166.8	-3984.4
64	13677.1	96837.3	-8320.2	2167.1	-3978.5
65	25621.8	98905.2	-8851.8	2167.3	-3972.4
66	38032.4	100966.5	-9382.6	2167.4	-3965.9
67	50905.1	103021.0	-9910.9	2167.2	-3958.9
68	64238.7	105068.4	-10439.3	2167.0	-3951.6
69	78029.5	107108.5	-10965.2	2166.5	-3943.8
70	92276.0	109141.0	-11491.1	2165.9	-3935.8
71	108622.8	111165.7	-13928.6	2165.0	-3927.1
72	126127.9	113181.6	-15278.9	2163.3	-3916.8
73	144154.6	115188.4	-15891.6	2161.3	-3906.1
74	162705.7	117186.3	-16509.0	2159.4	-3895.4
75	181775.6	119174.9	-17121.8	2157.3	-3884.3
76	201353.2	121153.7	-17723.8	2154.9	-3872.5
77	221445.1	123122.9	-18334.8	2152.5	-3860.7
78	242038.5	125082.3	-18932.7	2150.0	-3848.6
79	263133.5	127031.4	-19532.5	2147.2	-3836.0
80	284725.7	128970.3	-20128.7	2144.4	-3823.3
81	306808.3	130899.2	-20718.0	2141.7	-3810.8
82	329377.2	132817.2	-21305.0	2138.5	-3797.3
83	352429.7	134724.7	-21889.8	2135.4	-3784.0
84	375958.5	136621.2	-22468.1	2132.1	-3770.0
85	399958.3	138506.6	-23041.5	2128.6	-3755.9
86	424430.3	140380.9	-23617.8	2125.2	-3741.8
87	449361.0	142243.9	-24179.7	2121.5	-3727.3
88	474754.9	144095.5	-24748.3	2117.8	-3712.7
89	500597.1	145935.6	-25300.9	2114.0	-3697.7
90	526893.0	147764.3	-25860.6	2110.2	-3683.0
91	553627.5	149581.1	-26404.9	2106.1	-3667.5
92	581720.1	151386.0	-28043.5	2102.0	-3652.1
93	611721.0	153176.4	-30348.3	2095.0	-3631.3
94	642198.4	154952.1	-30952.7	2087.5	-3610.0
95	673134.6	156712.6	-31537.9	2079.8	-3588.1
96	704526.8	158458.0	-32121.0	2072.1	-3566.3
97	736359.6	160188.3	-32687.3	2064.3	-3544.2
98	768637.6	161903.5	-33260.2	2056.4	-3522.2
99	801342.6	163603.4	-33812.9	2048.5	-3500.0
100	834473.7	165287.9	-34366.0	2040.4	-3477.5
101	868023.0	166957.2	-34910.7	2032.3	-3455.1
102	901984.5	168611.0	-35449.6	2024.1	-3432.5
103	936343.9	170249.3	-35972.9	2015.9	-3409.7
104	971106.4	171872.1	-36503.4	2007.6	-3387.0
105	1006257.0	173479.4	-37017.1	1999.2	-3364.1
106	1041789.4	175071.3	-37524.0	1990.7	-3341.2
107	1070486.7	177342.2	-17802.1	1193.0	-3319.2
108	1111211.6	179608.6	-26607.3	1194.5	-3316.0
109	1152583.1	181870.0	-27084.3	1195.8	-3312.3
110	1194596.0	184126.4	-27558.2	1197.1	-3308.3
111	1237246.5	186377.4	-28030.1	1198.3	-3303.9
112	1280528.1	188622.6	-28498.3	1199.3	-3299.1
113	1326323.0	190659.4	-36237.9	1430.9	-3294.2
114	1369344.9	192690.1	-33815.6	1432.4	-3289.4
115	1412925.4	194714.6	-34315.6	1433.8	-3284.5
116	1457058.9	196732.4	-34812.3	1435.0	-3278.8
117	1501741.1	198743.4	-35305.7	1436.1	-3273.0
118	1546970.0	200747.4	-35798.7	1437.0	-3266.7
119	1592739.9	202744.2	-36287.0	1437.9	-3260.3
120	1639040.9	204733.2	-36768.3	1438.6	-3253.2
121	1685875.1	206714.6	-37252.0	1439.2	-3246.0
122	1733232.0	208688.1	-37727.0	1439.7	-3238.7
123	1781105.8	210653.4	-38198.4	1440.1	-3230.7
124	1829492.1	212610.2	-38666.4	1440.4	-3222.6
125	1878393.3	214558.8	-39137.1	1440.6	-3214.4
126	1927787.5	216498.4	-39590.1	1440.6	-3205.5
127	1977684.4	218429.1	-40051.9	1440.5	-3196.6

128	2028072.4	220350.7	-40504.6	1440.4	-3187.3
129	2078935.7	222262.9	-40944.1	1440.1	-3177.6
130	2130279.9	224165.4	-41389.6	1439.7	-3167.6
131	2182097.5	226058.0	-41829.6	1439.0	-3157.1
132	2234341.9	227947.8	-42240.0	1434.4	-3150.2
133	2287060.4	229843.9	-42705.2	1425.7	-3148.9
134	2340414.5	231745.9	-43315.1	1416.9	-3147.1
135	2394402.6	233653.6	-43923.9	1408.1	-3145.1
136	2449015.0	235566.7	-44525.1	1399.3	-3142.7
137	2504254.8	237484.6	-45130.2	1390.5	-3139.8
138	2560267.1	239406.9	-45865.9	1381.6	-3136.3
139	2616912.8	241333.3	-46478.2	1372.7	-3132.7
140	2674034.0	243263.7	-46950.2	1363.8	-3128.7
141	2731768.5	245197.5	-47546.2	1354.8	-3124.3
142	2790112.6	247134.4	-48139.9	1345.8	-3119.5
143	2849072.4	249074.0	-48739.9	1336.8	-3114.3
144	2908647.9	251016.2	-49340.5	1327.8	-3109.0
145	2968833.4	252960.5	-49936.9	1318.8	-3103.3
146	3029616.0	254906.8	-50522.7	1309.7	-3097.1
147	3091005.6	256854.5	-51118.5	1300.6	-3090.6
148	3152983.0	258803.3	-51697.8	1291.5	-3083.7
149	3215571.1	260753.1	-52298.3	1282.3	-3076.7
150	3278743.1	262703.7	-52875.4	1273.2	-3069.3
151	3342507.7	264654.0	-53459.7	1264.5	-3061.5
152	3406850.3	266605.5	-54023.1	1258.7	-3057.6
153	3471786.3	268558.1	-54600.4	1252.9	-3053.5
154	3532150.8	270511.9	-55255.5	1247.6	-3050.1
155	3592881.9	272467.5	-55893.7	1243.0	-3047.9
156	3654153.1	274424.2	-56419.7	1238.3	-3044.9
157	3715955.0	276382.4	-56936.8	1233.6	-3042.1
158	3778265.8	278341.2	-57435.7	1228.8	-3038.6
159	3841107.6	280300.7	-57954.9	1224.0	-3035.0
160	3904461.8	282260.6	-58457.9	1219.1	-3031.1
161	3968311.1	284220.1	-58946.8	1214.2	-3026.4
162	4032697.0	286209.8	-59438.6	1209.3	-3021.7
163	4097992.2	288188.1	-59928.7	1204.4	-3017.0
164	4163644.0	290155.0	-60417.7	1199.5	-3012.3
165	4229625.1	292110.3	-60904.8	1194.6	-3007.6
166	4295932.9	294053.7	-61390.9	1189.7	-3002.9
167	4362577.8	295985.2	-61875.9	1184.8	-2998.2
168	4429540.6	297904.8	-62359.9	1179.9	-2993.5
169	4496805.5	299812.3	-62842.9	1175.0	-2988.8
170	4564389.6	301707.6	-63324.9	1170.1	-2984.1
171	4632279.6	303590.9	-63805.9	1165.2	-2979.4
172	4700437.9	305461.7	-64285.9	1160.3	-2974.7
173	4768926.9	307320.6	-64764.9	1155.4	-2970.0
174	4795772.8	309169.6	-65242.9	1150.5	-2965.3
175	4796940.9	311028.7	-65719.9	1145.6	-2960.6
176	4797941.2	312897.3	-66195.9	1140.7	-2955.9
177	4798760.4	314775.3	-66670.9	1135.8	-2951.2
178	4799379.4	316661.7	-67144.9	1130.9	-2946.5
179	4799797.9	318551.9	-67617.9	1126.0	-2941.8
180	4799932.7	320445.3	-68089.9	1121.1	-2937.1
181	4799799.6	322341.7	-68560.9	1116.2	-2932.4
182	4799362.5	324240.4	-69030.9	1111.3	-2927.7
183	4798629.1	326141.2	-69499.9	1106.4	-2923.0
184	4797607.1	328043.8	-70000.0	1101.5	-2918.3
185	4796258.9	329949.6	-70499.9	1096.6	-2913.6
186	4794643.0	331860.5	-71000.0	1091.7	-2908.9
187	4792764.8	333776.4	-71499.9	1086.8	-2904.2
188	4790611.0	335696.8	-72000.0	1081.9	-2899.5
189	4788205.6	337621.6	-72499.9	1077.0	-2894.8
190	4785511.8	339550.0	-73000.0	1072.1	-2890.1
191	4782524.8	341481.3	-73499.9	1067.2	-2885.4
192	4779246.9	343415.6	-74000.0	1062.3	-2880.7
193	4775673.3	345352.3	-74499.9	1057.4	-2876.0
194	4771798.7	347291.3	-75000.0	1052.5	-2871.3
195	4767621.5	349232.0	-75499.9	1047.6	-2866.6
196	4763127.1	351174.3	-76000.0	1042.7	-2861.9
197	4758317.2	353117.5	-76499.9	1037.8	-2857.2
198	4754213.3	354576.0	-77000.0	1032.9	-2852.5

199	4742340.5	356034.9	17666.8	1799.4	-3040.0
200	4730222.6	357493.7	17942.6	1805.2	-3045.1
201	4717847.5	358952.0	18230.4	1810.9	-3049.7
202	4705224.5	360409.8	18509.0	1816.6	-3054.2
203	4692347.9	361866.8	18793.3	1822.3	-3058.3
204	4679178.6	363322.2	19116.1	1827.8	-3061.5
205	4665770.6	364776.2	19385.7	1833.4	-3065.2
206	4652076.5	366228.3	19702.1	1838.9	-3068.0
207	4638096.7	367677.6	20018.5	1844.3	-3069.9
208	4623848.1	369124.5	20318.0	1849.7	-3072.3
209	4609296.0	370567.8	20652.1	1855.0	-3073.4
210	4581874.2	372009.2	33334.4	1861.9	-3077.5
211	4550890.0	373933.5	33358.3	1320.1	-3084.3
212	4527590.8	375856.0	26260.2	1328.9	-3090.3
213	4549532.8	377771.2	-15819.6	1335.0	-3088.4
214	4586336.0	379662.7	-29672.5	1333.3	-3063.1
215	4623023.3	381531.2	-29581.6	1331.5	-3038.6
216	4659521.5	383375.8	-29423.2	1329.6	-3013.1
217	4695883.4	385197.5	-29313.3	1327.8	-2988.4
218	4744000.9	386994.4	-40309.5	1324.4	-2960.7
219	4792255.1	388765.9	-40471.4	1319.4	-2930.9
220	4840437.4	390512.1	-40438.7	1314.3	-2901.2
221	4888517.3	392232.8	-40378.0	1309.3	-2871.2
222	4936517.2	393928.4	-40337.8	1304.2	-2841.6
223	4984428.8	395598.8	-40290.2	1299.0	-2811.9
224	5032224.1	397243.9	-40216.6	1293.8	-2782.1
225	5079924.8	398863.8	-40163.5	1288.6	-2752.3
226	5127520.8	400459.0	-40100.6	1283.4	-2723.0
227	5174995.9	402029.1	-40022.9	1278.1	-2693.2
228	5222357.6	403574.3	-39952.4	1272.8	-2663.6
229	5269588.8	405095.7	-39868.0	1266.9	-2634.7
230	5316723.6	406594.0	-39815.9	1260.8	-2606.1
231	5340245.5	408070.1	-17657.6	1256.9	-2580.6
232	5359377.8	409526.7	-13534.9	1257.3	-2561.4
233	5378243.1	410963.6	-13286.3	1257.6	-2542.0
234	5396849.6	412380.6	-13045.3	1257.9	-2522.4
235	5415208.9	413777.9	-12815.1	1258.2	-2503.0
236	5449844.2	415154.5	-28158.1	1256.6	-2480.8
237	5485074.8	416509.4	-28744.0	1252.7	-2455.7
238	5520117.1	417842.4	-28592.1	1248.8	-2430.3
239	5554990.8	419153.4	-28458.7	1244.9	-2405.0
240	5589673.9	420442.9	-28304.2	1241.0	-2380.0
241	5624161.1	421710.6	-28145.2	1237.0	-2354.7
242	5658478.0	422956.9	-28010.1	1232.9	-2329.7
243	5692591.9	424181.5	-27844.1	1228.9	-2304.5
244	5726514.4	425384.6	-27689.4	1224.8	-2279.3
245	5760260.9	426566.3	-27548.8	1220.6	-2254.3
246	5793794.1	427726.5	-27373.5	1216.5	-2229.2
247	5827126.3	428865.4	-27209.4	1212.3	-2204.2
248	5860276.6	429983.1	-27063.5	1208.0	-2179.2
249	5893212.9	431079.8	-26887.1	1203.8	-2154.5
250	5925964.8	432155.3	-26738.9	1199.5	-2129.5
251	5958477.5	433209.5	-26539.1	1195.1	-2104.4
252	5990832.5	434244.0	-26417.9	1190.2	-2080.4
253	6022951.1	435258.5	-26222.4	1185.2	-2055.9
254	6054884.2	436252.9	-26075.2	1180.2	-2031.5
255	6086619.0	437227.5	-25915.9	1175.2	-2007.3
256	6118155.8	438182.3	-25756.8	1170.2	-1983.1
257	6149492.1	439117.5	-25595.3	1165.1	-1959.0
258	6180635.7	440033.1	-25441.4	1159.9	-1934.8
259	6211573.8	440929.1	-25275.2	1154.8	-1910.7
260	6242303.9	441805.7	-25106.5	1149.6	-1886.9
261	6272826.4	442663.0	-24938.4	1144.3	-1862.8
262	6303146.7	443501.1	-24775.4	1139.1	-1839.0
263	6333254.7	444320.2	-24603.6	1133.5	-1815.2
264	6363160.3	445127.2	-24455.7	1124.0	-1794.7
265	6392960.3	445922.0	-24400.3	1114.5	-1774.2
266	6383110.5	446705.2	13478.3	1106.9	-1755.9
267	6352090.6	447479.5	33753.1	1110.2	-1749.8
268	6320814.7	448244.6	34028.0	1113.4	-1743.5
269	6289250.5	449000.5	34333.8	1116.6	-1737.0

270	6257440.8	449746.9	34598.4	1119.8	-1730.4
271	6261210.5	408442.1	183000.0	49855.2	-2504.9
272	5657128.2	367162.6	183000.0	49815.7	-2495.4
273	5061135.9	325907.5	183000.0	49776.7	-2485.6
274	4418560.5	326614.4	621084.3	1132.0	-1701.5
275	4397279.3	327310.9	24631.7	1134.9	-1693.9
276	4375726.8	327997.1	24916.1	1137.8	-1686.0
277	4353912.6	328672.6	25191.4	1140.7	-1677.9
278	4331832.5	329337.3	25470.8	1143.5	-1669.6
279	4309476.1	329991.0	25760.3	1146.3	-1661.1
280	4286874.2	330633.6	26020.3	1149.1	-1652.3
281	4361045.6	289545.5	183000.0	49483.7	-2395.2
282	3809534.7	248473.7	183000.0	49450.1	-2381.8
283	3265933.9	207413.8	183000.0	49416.5	-2364.2
284	2730201.6	166365.0	183000.0	49383.9	-2346.7
285	2202310.8	125326.7	183000.0	49351.8	-2329.0
286	1556094.2	125881.8	628415.0	1176.6	-1589.0
287	1551106.3	126420.7	9217.5	1181.9	-1577.4
288	1546279.9	126943.3	9085.7	1187.1	-1565.7
289	1564683.5	127448.9	-13389.9	1183.1	-1545.3
290	1582971.4	127937.4	-13331.2	1170.4	-1517.0
291	1601129.5	128408.9	-13259.1	1157.8	-1488.9
292	1610443.0	128863.7	-4739.6	1147.0	-1462.7
293	1616099.7	129302.0	-1212.6	1143.2	-1442.9
294	1621547.7	129723.9	-1025.1	1139.3	-1423.1
295	1626785.4	130129.5	-836.0	1135.5	-1403.4
296	1631818.0	130519.1	-652.0	1131.5	-1383.9
297	1636644.8	130892.5	-467.3	1127.6	-1364.2
298	1641268.1	131249.9	-285.0	1123.6	-1344.8
299	1645687.3	131591.3	-101.8	1119.6	-1325.2
300	1649907.1	131918.2	73.0	1114.6	-1306.3
301	1653933.5	132233.3	235.6	1107.8	-1288.5
302	1657806.9	132536.3	358.8	1100.9	-1270.5
303	1661529.8	132827.5	479.5	1094.1	-1252.6
304	1654050.1	133106.7	11379.1	1090.6	-1237.6
305	1644978.8	133373.4	12942.6	1092.5	-1226.7
306	1635706.9	133627.2	13151.1	1094.4	-1215.5
307	1626233.2	133868.3	13360.9	1096.3	-1204.4
308	1616569.9	134092.6	13570.1	1101.1	-1191.8
309	1606667.6	134299.6	13828.0	1106.0	-1178.9
310	1607129.3	134489.5	3713.7	1107.3	-1163.0
311	1607660.7	134663.5	3636.1	1104.4	-1144.5
312	1607994.1	134821.3	3820.1	1101.6	-1125.8
313	1608126.0	134963.1	4007.3	1098.7	-1107.2
314	1608069.2	135089.1	4182.1	1095.7	-1088.9
315	1607808.3	135199.1	4372.0	1092.7	-1070.2
316	1607359.5	135293.5	4545.9	1089.7	-1052.0
317	1606720.7	135372.5	4721.9	1086.6	-1033.8
318	1605889.9	135435.7	4899.9	1083.5	-1015.3
319	1604874.3	135483.6	5070.7	1080.4	-997.3
320	1603671.8	135516.4	5243.6	1077.2	-979.3
321	1602286.9	135533.9	5412.1	1073.9	-961.2
322	1600721.2	135536.3	5579.0	1070.7	-943.2
323	1598972.1	135525.9	5742.2	1065.8	-926.2
324	1597065.2	135504.6	5875.4	1059.5	-909.7
325	1595028.4	135472.3	5980.9	1053.1	-893.1
326	1587414.3	135429.1	11449.4	1046.8	-876.6
327	1574185.0	135373.1	16989.4	1048.0	-865.0
328	1560815.3	135303.8	17139.5	1049.3	-852.8
329	1547307.6	135221.5	17287.1	1050.5	-840.8
330	1533672.6	135126.1	17424.1	1051.7	-828.8
331	1519906.0	135017.7	17565.3	1052.9	-816.8
332	1506016.2	134896.1	17698.1	1054.0	-804.6
333	1492000.2	134761.2	17834.1	1055.1	-792.2
334	1477867.6	134613.1	17960.2	1056.1	-779.9
335	1463555.0	134451.8	18149.1	1057.1	-767.6
336	1449056.0	134277.2	18344.5	1058.2	-755.2
337	1434442.8	134089.0	18468.8	1059.2	-742.6
338	1419730.3	133887.8	18577.9	1060.2	-730.3
339	1404914.1	133672.9	18691.6	1061.1	-717.6
340	1389996.5	133444.7	18802.7	1062.1	-705.0

341	1374985.4	133202.8	18906.2	1062.9	-692.2
342	1359886.5	132947.7	19003.4	1063.8	-679.7
343	1344697.9	132679.0	19103.0	1064.6	-666.8
344	1329425.7	132396.8	19196.1	1065.4	-654.0
345	1314071.4	132101.2	19287.7	1066.1	-641.2
346	1298644.3	131791.6	19371.5	1067.2	-628.2
347	1283141.8	131467.4	19459.8	1068.8	-615.0
348	1270656.4	131128.6	16469.7	1070.0	-601.5
349	1260167.2	130777.3	14479.4	1067.7	-586.9
350	1249591.7	130413.2	14561.4	1065.4	-572.1
351	1238934.3	130036.5	14638.9	1063.0	-557.4
352	1228200.3	129647.3	14710.9	1060.6	-542.9
353	1217387.9	129245.6	14784.8	1058.2	-528.2
354	1206504.1	128831.8	14851.2	1055.7	-513.9
355	1195550.4	128405.6	14916.4	1053.2	-499.3
356	1184528.0	127967.4	14980.0	1050.6	-484.9
357	1173443.9	127517.1	15036.6	1048.0	-470.6
358	1162298.4	127054.9	15092.7	1045.3	-456.4
359	1151092.1	126581.0	15148.1	1042.6	-442.2
360	1139831.5	126095.2	15196.9	1039.9	-427.9
361	1128519.5	125597.7	15243.0	1037.2	-413.9
362	1117157.1	125088.0	15289.7	1034.9	-399.7
363	1105739.6	124566.4	15340.6	1032.5	-385.7
364	1094277.6	124033.0	15381.1	1030.1	-371.8
365	1082766.2	123488.0	15426.1	1027.7	-358.0
366	1071214.3	122931.2	15462.2	1025.2	-344.1
367	1059619.1	122363.1	15500.9	1022.7	-330.5
368	1047989.3	121783.5	15530.7	1020.1	-316.8
369	1036325.5	121192.7	15559.8	1017.5	-303.4
370	1024629.0	120591.0	15587.2	1014.8	-290.0
371	1012905.5	119978.2	15609.1	1012.1	-276.6
372	1001154.5	119354.7	15631.0	1009.4	-263.5
373	989385.6	118720.4	15643.3	1006.6	-250.3
374	975345.5	118075.6	17926.2	1003.8	-237.2
375	959044.2	117417.7	20215.3	1004.7	-225.0
376	942762.2	116746.8	20206.0	1005.6	-212.7
377	926502.1	116063.0	20193.7	1006.4	-200.6
378	910268.4	115366.3	20176.9	1007.2	-188.4
379	894062.0	114656.8	20158.9	1008.0	-176.2
380	877891.5	113934.9	20130.8	1008.3	-164.1
381	861748.9	113202.9	20101.7	1006.3	-152.3
382	845671.2	112461.0	20034.7	1004.2	-140.6
383	829654.5	111709.1	19971.7	1002.1	-128.7
384	813710.0	110947.5	19896.8	999.9	-117.1
385	797835.0	110176.0	19824.7	997.7	-105.2
386	782034.6	109395.0	19746.8	995.5	-93.7
387	766314.4	108604.3	19663.1	993.2	-82.1
388	750674.1	107804.0	19579.6	990.8	-70.4
389	735116.3	106994.2	19493.1	988.4	-58.8
390	719649.5	106174.8	19398.8	986.3	-47.3
391	704272.9	105345.0	19308.1	985.0	-35.7
392	688987.4	104505.2	19216.1	983.5	-24.5
393	673789.7	103655.2	19127.3	982.1	-13.0
394	658689.4	102795.3	19028.2	980.6	-1.7
395	643683.6	101925.4	18932.0	979.0	9.6
396	628782.0	101045.8	18825.7	977.4	20.7
397	613982.9	100156.4	18720.6	975.8	31.9
398	599292.8	99257.5	18608.8	974.1	43.0
399	584712.0	98349.0	18496.3	972.4	54.0
400	570248.7	97431.4	18375.0	970.6	64.8
401	555903.3	96504.5	18253.1	968.7	75.6
402	541676.7	95568.5	18130.0	966.9	86.4
403	527576.4	94623.5	17998.8	964.9	97.0
404	513603.8	93669.7	17865.9	963.0	107.6
405	499758.9	92707.0	17732.8	960.9	118.2
406	486051.4	91736.0	17589.2	958.9	128.5
407	472477.7	90756.4	17449.1	956.8	138.9
408	459046.4	89768.5	17299.9	954.6	149.0
409	445755.4	88772.4	17152.4	952.4	159.2
410	432612.6	87768.4	16996.5	950.1	169.2
411	419617.4	86756.5	16840.7	947.8	179.0

412	406774.2	85736.7	16680.3	945.4	189.0
413	394084.7	84709.4	16517.7	943.0	198.6
414	381554.3	83674.7	16349.0	940.5	208.2
415	369182.8	82632.8	16180.4	938.0	217.6
416	356974.8	81583.7	16006.6	935.5	227.1
417	344933.3	80527.8	15829.2	932.8	236.2
418	333057.3	79464.9	15652.6	930.2	245.5
419	321354.1	78395.5	15468.2	927.4	254.4
420	309822.4	77319.7	15284.5	924.7	263.3
421	298467.6	76237.5	15095.1	921.8	272.1
422	287289.6	75149.3	14905.2	918.9	280.7
423	275704.2	74054.7	15320.0	916.4	289.4
424	264241.4	72953.2	15189.2	914.3	298.0
425	252982.6	71845.2	14973.8	912.2	306.4
426	241927.1	70730.7	14758.9	910.1	314.8
427	231079.8	69609.7	14538.5	907.9	323.1
428	220441.0	68482.6	14317.2	905.7	331.2
429	210017.5	67349.7	14088.4	903.4	339.1
430	199806.9	66211.0	13861.7	901.0	347.0
431	189811.9	65066.7	13631.9	898.6	354.7
432	180037.5	63917.0	13396.2	896.1	362.2
433	170484.1	62762.1	13159.9	893.6	369.7
434	161152.5	61602.1	12922.1	891.0	377.0
435	152047.6	60437.2	12679.0	888.4	384.2
436	143168.7	59267.9	12435.9	885.7	391.1
437	134700.1	58094.0	12000.6	883.0	398.0
438	126895.9	56917.0	11296.7	879.2	404.4
439	119299.5	55737.5	11066.6	875.2	410.4
440	111911.6	54555.8	10835.2	871.0	416.3
441	104734.6	53372.0	10601.2	866.9	422.0
442	97769.1	52186.4	10365.8	862.6	427.6
443	91016.3	50999.2	10128.8	858.3	433.0
444	84478.0	49810.6	9889.6	854.0	438.2
445	78152.9	48621.1	9651.0	849.5	443.0
446	72042.8	47430.7	9410.2	845.0	447.9
447	66148.0	46239.9	9168.6	840.4	452.3
448	60469.3	45048.7	8925.7	835.8	456.7
449	55007.9	43857.5	8681.2	831.1	460.9
450	49761.9	42666.6	8437.9	826.3	464.8
451	44733.0	41476.1	8192.6	821.5	468.6
452	39920.7	40286.3	7947.2	816.6	472.2
453	35325.3	39097.8	7701.1	811.6	475.3
454	30946.9	37910.7	7454.3	806.5	478.4
455	26786.0	36725.1	7206.6	801.4	481.3
456	22839.8	35541.6	6961.4	796.2	483.9
457	19113.8	34360.2	6709.7	791.0	486.3
458	15603.4	33181.4	6462.5	785.6	488.5
459	12308.7	32005.6	6214.6	780.2	490.3
460	9227.4	30832.8	5968.6	774.7	492.0
461	6358.8	29663.6	5723.0	769.1	493.4
462	3702.4	28498.0	5477.3	763.5	494.7
463	1210.9	27336.7	5281.1	757.7	495.5
464	-1131.9	26179.1	5103.2	752.4	496.5
465	-3255.1	25025.6	4849.9	747.0	497.1
466	-5159.9	23876.4	4597.5	741.5	497.6
467	-6848.2	22731.9	4346.7	736.0	497.8
468	-8311.8	21591.1	4095.7	733.0	496.6
469	-7391.5	20457.6	1559.2	731.0	491.1
470	-5835.8	19352.7	825.2	714.9	476.7
471	-4428.2	18277.2	921.6	698.6	461.6
472	-4098.4	17231.8	2005.1	682.3	445.8
473	-5143.6	16194.7	3455.1	680.2	439.4
474	-5998.9	15165.8	3228.6	673.8	436.8
475	-6668.4	14145.4	3006.0	667.5	433.9
476	-7155.9	13133.9	2787.0	661.0	430.6
477	-7463.9	12131.8	2570.2	654.4	427.1
478	-6401.2	11140.5	1075.9	645.5	424.1
479	-4358.6	10204.4	-106.0	606.6	403.0
480	-2645.1	9327.0	102.2	566.1	380.0
481	-1219.1	8509.4	266.0	525.2	356.1
482	-1113.2	7742.0	1555.2	490.8	336.2

483	-1184.2	6999.3	1680.8	472.9	327.2
484	-1211.1	6282.0	1569.5	454.7	317.7
485	-1196.0	5590.6	1460.3	436.4	307.9
486	-1142.5	4925.6	1354.3	418.0	297.7
487	-1053.2	4287.6	1250.5	399.3	287.2
488	-873.0	3677.1	1087.4	380.5	276.2
489	-555.4	3106.5	849.1	354.1	259.4
490	-319.4	2581.3	835.5	324.6	240.0
491	-143.2	2102.2	798.2	294.9	220.0
492	-19.6	1670.0	752.7	264.9	199.4
493	58.7	1285.5	699.0	234.7	178.2
494	99.4	949.6	636.6	204.3	156.4
495	110.2	663.0	565.4	173.5	134.0
496	99.1	426.6	485.2	142.6	111.1
497	74.1	241.3	395.9	111.4	87.5
498	43.6	107.9	297.1	79.9	63.3
499	16.0	27.1	188.6	48.1	38.4
500	0.0	0.0	70.4	16.1	13.0

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Σ					

VERIFICA STABILITA' DEI PENDII

 Sezione B-B - Condizione Statica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici : 0.000
 Coefficiente sismico verticale : 0.000
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Pendio	1	143.630	176.240
Pendio	2	148.430	174.140
Pendio	3	156.260	178.470
Pendio	4	166.250	183.400
Pendio	5	171.110	185.840
Pendio	6	176.630	186.430
Pendio	7	186.230	187.090
Pendio	8	201.220	187.090
Pendio	9	221.600	185.710
Pendio	10	226.330	184.920
Pendio	11	232.440	184.390
Pendio	12	241.520	182.940
Pendio	13	256.500	173.280
Pendio	14	261.500	170.520
Pendio	15	266.360	166.510
Pendio	16	272.350	165.200
Pendio	17	278.330	165.200
Pendio	18	283.060	164.080
Pendio	19	287.140	164.080
Pendio	20	287.990	162.500
Pendio	21	290.160	162.300
Pendio	22	291.020	162.760
Pendio	23	295.030	162.700
Pendio	24	311.390	160.130
Pendio	25	314.020	159.810
Pendio	26	321.390	158.100
Pendio	27	341.440	154.610
Pendio	28	346.370	154.280
Pendio	29	361.160	151.720
Pendio	30	388.370	146.460
Pendio	31	398.760	143.570
Pendio	32	406.190	141.730
Pendio	33	409.340	140.940
Pendio	34	415.130	138.700
Pendio	35	428.010	132.520
Pendio	36	430.050	132.060
Pendio	37	436.100	129.110
Pendio	38	440.040	127.460
Pendio	39	449.770	124.180
Pendio	40	463.640	118.920
Pendio	41	469.030	116.290
Pendio	42	482.830	110.900
	2	1	149.390
	2	2	149.390
	2	3	161.310
	2	4	166.430
	2	5	171.130
	2	6	176.410

2	7	186.380	186.010
2	8	191.180	186.120
2	9	196.460	186.270
2	10	201.260	186.060
2	11	206.430	185.590
2	12	211.390	185.270
2	13	221.470	184.480
2	14	231.390	183.480
2	15	236.300	182.740
2	16	241.470	181.370
2	17	256.460	171.970
2	18	266.220	165.590
2	19	266.220	166.626
3	1	150.170	174.027
3	2	150.170	173.250
3	3	165.490	168.280
3	4	169.030	167.310
3	5	171.250	166.700
3	6	176.620	165.130
3	7	186.420	161.660
3	8	191.500	159.830
3	9	199.270	159.120
3	10	218.090	159.080
3	11	221.280	158.690
3	12	231.840	158.760
3	13	235.520	158.330
3	14	241.540	158.330
3	15	246.010	158.650
3	16	251.740	161.010
3	17	261.400	163.800
3	18	265.550	165.020
3	19	265.550	166.028
4	1	146.530	174.971
4	2	146.530	173.560
4	3	156.230	170.110
4	4	161.340	168.680
4	5	166.330	166.870
4	6	169.080	166.300
4	7	171.150	165.700
4	8	181.420	162.430
4	9	191.350	158.750
4	10	199.410	158.120
4	11	217.600	158.060
4	12	221.440	157.520
4	13	235.880	157.610
4	14	241.500	157.350
4	15	246.440	157.630
4	16	251.710	159.930
4	17	256.510	161.310
4	18	266.090	164.380
4	19	268.610	165.500
4	20	268.610	166.018
5	1	266.630	164.620
5	2	266.630	164.090
5	3	268.570	162.610
5	4	286.080	162.582
5	5	286.080	164.080
6	1	147.230	173.311
6	2	147.230	158.320
6	3	161.310	156.790
6	4	171.540	155.930
6	5	181.630	155.400
6	6	191.790	154.530
6	7	199.030	153.870
6	8	216.300	153.670
6	9	219.020	153.470
6	10	231.370	153.410
6	11	233.430	153.210
6	12	245.850	153.010
6	13	248.310	153.540
6	14	251.820	153.540

6	15	254.350	152.940
6	16	257.870	154.000
6	17	267.030	153.870
6	18	271.220	153.070
6	19	277.860	153.210
6	20	279.920	152.340
6	21	283.500	152.410
6	22	286.080	150.824
6	23	286.080	162.582
7	1	286.080	150.824
7	2	286.080	146.080
7	3	286.700	146.080
7	4	286.700	164.080
8	1	286.700	164.080
8	2	286.700	162.581
8	3	287.540	162.580
8	4	287.540	163.336
9	1	286.700	164.080
9	2	286.700	150.516
9	3	287.490	150.220
9	4	291.140	150.280
9	5	291.870	150.680
9	6	294.060	150.750
9	7	299.310	149.490
9	8	303.690	149.420
9	9	308.340	148.230
9	10	311.530	148.030
9	11	317.170	146.630
9	12	321.090	146.370
9	13	324.340	145.170
9	14	328.200	144.910
9	15	334.970	143.250
9	16	336.360	143.050
9	17	341.880	142.250
9	18	346.130	142.050
9	19	354.830	140.460
9	20	376.080	136.670
9	21	385.640	134.680
9	22	395.200	132.020
9	23	402.770	130.230
9	24	409.550	128.040
9	25	412.930	126.840
9	26	419.510	123.190
9	27	430.130	118.670
9	28	440.030	114.820
9	29	446.470	112.830
9	30	448.400	111.830
9	31	453.380	109.710
9	32	453.380	122.811

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
6	Fila 3	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.00
8	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
9	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	322.99	321.97	173.57
2	336.81	340.85	194.70
3	327.95	358.99	210.76
4	329.24	349.96	202.36
5	341.46	374.17	228.16
6	332.97	344.26	197.72
7	338.70	338.74	193.11
8	306.77	341.79	190.87
9	314.56	338.89	189.31
10	316.56	350.27	201.40

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y

CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des

RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	322.99	321.97	173.57	2.094	1
2	336.81	340.85	194.70	2.086	1
3	327.95	358.99	210.76	1.995	1
4	329.24	349.96	202.36	1.999	1
5	341.46	374.17	228.16	2.063	1
6	332.97	344.26	197.72	2.015	1
7	338.70	338.74	193.11	2.109	1
8	306.77	341.79	190.87	1.914	1
9	314.56	338.89	189.31	1.925	1
10	316.56	350.27	201.40	1.925	1

CERCHIO CRITICO N° 8

Larghezza del concio.....=0.297

Situazione di carico numero 1

Coefficiente di sicurezza F =1.914

Coefficiente di forma =0.10384

Coefficiente F/Fo =1.04648

Numero iterazioni = 1

Precisione =0.00622

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-35.80	0.366	0.120	19.6	60.5	0.0
2	-35.69	0.366	0.120	19.6	181.0	0.0
3	-35.58	0.365	0.120	19.6	301.1	0.0
4	-35.47	0.365	0.120	19.6	420.7	0.0
5	-35.36	0.364	0.008	19.6	516.2	0.0
6	-35.25	0.364	0.008	19.6	597.8	0.0
7	-35.14	0.363	0.008	19.6	680.9	0.0
8	-35.04	0.363	0.008	19.6	763.8	0.0
9	-34.92	0.362	0.008	19.6	846.3	0.0
10	-34.82	0.362	0.008	19.6	928.5	0.0
11	-34.71	0.361	0.008	19.6	1010.3	0.0

12	-34.60	0.361	0.008	19.6	1091.9	0.0
13	-34.49	0.360	0.008	19.6	1173.1	0.0
14	-34.38	0.360	0.008	19.6	1254.0	0.0
15	-34.28	0.359	0.008	19.6	1334.6	0.0
16	-34.17	0.359	0.008	19.6	1414.8	0.0
17	-34.06	0.358	0.008	19.6	1494.8	0.0
18	-33.95	0.358	0.008	19.6	1574.4	0.0
19	-33.84	0.358	0.008	19.6	1653.8	0.0
20	-33.74	0.357	0.008	19.6	1732.8	0.0
21	-33.63	0.357	0.008	19.6	1811.5	0.0
22	-33.52	0.356	0.008	19.6	1885.4	0.0
23	-33.42	0.356	0.008	19.6	1954.7	0.0
24	-33.31	0.355	0.008	19.6	2023.6	0.0
25	-33.20	0.355	0.008	19.6	2092.2	0.0
26	-33.10	0.354	0.008	19.6	2160.6	0.0
27	-32.99	0.354	0.008	19.6	2228.6	0.0
28	-32.88	0.354	0.008	19.6	2296.3	0.0
29	-32.78	0.353	0.008	19.6	2363.7	0.0
30	-32.67	0.353	0.008	19.6	2430.8	0.0
31	-32.57	0.352	0.008	19.6	2497.7	0.0
32	-32.46	0.352	0.008	19.6	2564.2	0.0
33	-32.36	0.352	0.008	19.6	2630.4	0.0
34	-32.25	0.351	0.008	19.6	2696.3	0.0
35	-32.15	0.351	0.008	19.6	2762.0	0.0
36	-32.04	0.350	0.008	19.6	2827.3	0.0
37	-31.93	0.350	0.008	19.6	2892.4	0.0
38	-31.83	0.349	0.008	19.6	2957.1	0.0
39	-31.73	0.349	0.008	19.6	3021.6	0.0
40	-31.62	0.349	0.008	19.6	3084.5	0.0
41	-31.52	0.348	0.008	19.6	3147.0	0.0
42	-31.41	0.348	0.008	19.6	3209.2	0.0
43	-31.30	0.348	0.008	19.6	3271.1	0.0
44	-31.20	0.347	0.008	19.6	3332.7	0.0
45	-31.10	0.347	0.008	19.6	3394.1	0.0
46	-30.99	0.346	0.008	19.6	3455.1	0.0
47	-30.89	0.346	0.008	19.6	3515.9	0.0
48	-30.79	0.346	0.008	19.6	3576.4	0.0
49	-30.68	0.345	0.008	19.6	3636.6	0.0
50	-30.58	0.345	0.008	19.6	3696.6	0.0
51	-30.48	0.345	0.008	19.6	3756.2	0.0
52	-30.37	0.344	0.008	19.6	3815.6	0.0
53	-30.27	0.344	0.008	19.6	3874.7	0.0
54	-30.17	0.343	0.008	19.6	3933.5	0.0
55	-30.06	0.343	0.008	19.6	3992.1	0.0
56	-29.96	0.343	0.008	19.6	4050.5	0.0
57	-29.86	0.342	0.008	19.6	4109.2	0.0
58	-29.75	0.342	0.008	19.6	4167.7	0.0
59	-29.65	0.342	0.008	19.6	4225.9	0.0
60	-29.55	0.341	0.008	19.6	4283.8	0.0
61	-29.45	0.341	0.008	19.6	4341.4	0.0
62	-29.34	0.341	0.008	19.6	4398.8	0.0
63	-29.24	0.340	0.008	19.6	4455.9	0.0
64	-29.14	0.340	0.008	19.6	4512.8	0.0
65	-29.04	0.340	0.008	19.6	4569.3	0.0
66	-28.93	0.339	0.008	19.6	4625.6	0.0
67	-28.84	0.339	0.008	19.6	4681.7	0.0
68	-28.73	0.339	0.008	19.6	4737.4	0.0
69	-28.63	0.338	0.008	19.6	4792.9	0.0
70	-28.53	0.338	0.008	19.6	4848.2	0.0
71	-28.43	0.338	0.008	19.6	4903.2	0.0
72	-28.33	0.337	0.008	19.6	4957.9	0.0
73	-28.23	0.337	0.008	19.6	5012.3	0.0
74	-28.13	0.337	0.008	19.6	5066.5	0.0
75	-28.02	0.336	0.008	19.6	5120.5	0.0
76	-27.92	0.336	0.008	19.6	5174.1	0.0
77	-27.82	0.336	0.008	19.6	5227.6	0.0
78	-27.72	0.335	0.008	19.6	5280.7	0.0
79	-27.62	0.335	0.008	19.6	5333.6	0.0
80	-27.52	0.335	0.008	19.6	5386.3	0.0
81	-27.42	0.335	0.008	19.6	5438.6	0.0
82	-27.32	0.334	0.008	19.6	5490.8	0.0

83	-27.22	0.334	0.008	19.6	5542.7	0.0
84	-27.12	0.334	0.008	19.6	5594.3	0.0
85	-27.02	0.333	0.008	19.6	5645.7	0.0
86	-26.92	0.333	0.008	19.6	5696.8	0.0
87	-26.82	0.333	0.008	19.6	5747.7	0.0
88	-26.72	0.332	0.008	19.6	5798.3	0.0
89	-26.62	0.332	0.008	19.6	5848.7	0.0
90	-26.52	0.332	0.008	19.6	5899.1	0.0
91	-26.42	0.332	0.008	19.6	5936.3	0.0
92	-26.32	0.331	0.008	19.6	5970.5	0.0
93	-26.22	0.331	0.008	19.6	6004.5	0.0
94	-26.12	0.331	0.008	19.6	6038.1	0.0
95	-26.02	0.330	0.008	19.6	6071.6	0.0
96	-25.92	0.330	0.008	19.6	6104.7	0.0
97	-25.82	0.330	0.008	19.6	6137.7	0.0
98	-25.73	0.330	0.008	19.6	6170.4	0.0
99	-25.63	0.329	0.008	19.6	6202.8	0.0
100	-25.53	0.329	0.008	19.6	6235.1	0.0
101	-25.43	0.329	0.008	19.6	6267.0	0.0
102	-25.33	0.329	0.008	19.6	6298.8	0.0
103	-25.23	0.328	0.008	19.6	6330.2	0.0
104	-25.13	0.328	0.008	19.6	6361.5	0.0
105	-25.03	0.328	0.008	19.6	6392.5	0.0
106	-24.94	0.327	0.008	19.6	6423.2	0.0
107	-24.84	0.327	0.008	19.6	6465.9	0.0
108	-24.74	0.327	0.008	19.6	6509.6	0.0
109	-24.64	0.327	0.008	19.6	6553.1	0.0
110	-24.54	0.326	0.008	19.6	6596.4	0.0
111	-24.45	0.326	0.008	19.6	6639.4	0.0
112	-24.35	0.326	0.008	19.6	6682.2	0.0
113	-24.25	0.326	0.008	19.6	6724.7	0.0
114	-24.15	0.325	0.008	19.6	6767.0	0.0
115	-24.05	0.325	0.008	19.6	6809.1	0.0
116	-23.96	0.325	0.008	19.6	6851.0	0.0
117	-23.86	0.325	0.008	19.6	6892.6	0.0
118	-23.76	0.324	0.008	19.6	6934.0	0.0
119	-23.66	0.324	0.008	19.6	6975.1	0.0
120	-23.57	0.324	0.008	19.6	7016.0	0.0
121	-23.47	0.324	0.008	19.6	7056.7	0.0
122	-23.37	0.323	0.008	19.6	7097.2	0.0
123	-23.28	0.323	0.008	19.6	7137.4	0.0
124	-23.18	0.323	0.008	19.6	7179.6	0.0
125	-23.08	0.323	0.008	19.6	7222.0	0.0
126	-22.98	0.323	0.008	19.6	7264.2	0.0
127	-22.89	0.322	0.008	19.6	7302.2	0.0
128	-22.79	0.322	0.008	19.6	7331.7	0.0
129	-22.70	0.322	0.008	19.6	7361.0	0.0
130	-22.60	0.322	0.008	19.6	7390.0	0.0
131	-22.50	0.321	0.008	19.6	7418.8	0.0
132	-22.41	0.321	0.008	19.6	7447.4	0.0
133	-22.31	0.321	0.008	19.6	7475.8	0.0
134	-22.21	0.321	0.008	19.6	7503.9	0.0
135	-22.12	0.321	0.008	19.6	7531.8	0.0
136	-22.02	0.320	0.008	19.6	7559.5	0.0
137	-21.93	0.320	0.008	19.6	7587.0	0.0
138	-21.83	0.320	0.008	19.6	7614.2	0.0
139	-21.73	0.320	0.008	19.6	7641.2	0.0
140	-21.64	0.319	0.008	19.6	7670.0	0.0
141	-21.54	0.319	0.008	19.6	7702.6	0.0
142	-21.45	0.319	0.008	19.6	7735.0	0.0
143	-21.35	0.319	0.008	19.6	7767.2	0.0
144	-21.25	0.319	0.008	19.6	7799.1	0.0
145	-21.16	0.318	0.008	19.6	7830.9	0.0
146	-21.06	0.318	0.008	19.6	7862.4	0.0
147	-20.97	0.318	0.008	19.6	7893.7	0.0
148	-20.87	0.318	0.008	19.6	7924.8	0.0
149	-20.78	0.318	0.008	19.6	7955.6	0.0
150	-20.68	0.317	0.008	19.6	7986.3	0.0
151	-20.59	0.317	0.008	19.6	8016.7	0.0
152	-20.49	0.317	0.008	19.6	8046.9	0.0
153	-20.40	0.317	0.008	19.6	8076.9	0.0

154	-20.30	0.317	0.008	19.6	8106.7	0.0
155	-20.21	0.316	0.008	19.6	8136.2	0.0
156	-20.11	0.316	0.008	19.6	8165.6	0.0
157	-20.01	0.316	0.008	19.6	8194.7	0.0
158	-19.92	0.316	0.008	19.6	8180.7	0.0
159	-19.83	0.316	0.008	19.6	8147.3	0.0
160	-19.73	0.315	0.008	19.6	8113.7	0.0
161	-19.64	0.315	0.008	19.6	8079.8	0.0
162	-19.54	0.315	0.008	19.6	8045.7	0.0
163	-19.45	0.315	0.008	19.6	8011.5	0.0
164	-19.35	0.315	0.008	19.6	7977.0	0.0
165	-19.26	0.315	0.008	19.6	7942.3	0.0
166	-19.16	0.314	0.008	19.6	7907.4	0.0
167	-19.07	0.314	0.008	19.6	7872.2	0.0
168	-18.97	0.314	0.008	19.6	7836.9	0.0
169	-18.88	0.314	0.008	19.6	7801.4	0.0
170	-18.79	0.314	0.008	19.6	7765.6	0.0
171	-18.69	0.313	0.008	19.6	7729.6	0.0
172	-18.60	0.313	0.008	19.6	7693.5	0.0
173	-18.50	0.313	0.008	19.6	7657.1	0.0
174	-18.41	0.313	0.008	19.6	7620.5	0.0
175	-18.32	0.313	0.008	19.6	7583.7	0.0
176	-18.22	0.313	0.008	19.6	7546.7	0.0
177	-18.13	0.312	0.008	19.6	7509.4	0.0
178	-18.03	0.312	0.008	19.6	7472.0	0.0
179	-17.94	0.312	0.008	19.6	7434.4	0.0
180	-17.85	0.312	0.008	19.6	7396.5	0.0
181	-17.75	0.312	0.008	19.6	7358.5	0.0
182	-17.66	0.312	0.008	19.6	7320.2	0.0
183	-17.57	0.311	0.000	11.3	7304.2	0.0
184	-17.47	0.311	0.000	11.3	7304.0	0.0
185	-17.38	0.311	0.000	11.3	7303.5	0.0
186	-17.29	0.311	0.000	11.3	7302.8	0.0
187	-17.19	0.311	0.000	11.3	7301.7	0.0
188	-17.10	0.311	0.200	15.0	7300.3	0.0
189	-17.01	0.311	0.200	15.0	7298.6	0.0
190	-16.92	0.310	0.200	15.0	7296.7	0.0
191	-16.82	0.310	0.200	15.0	7294.4	0.0
192	-16.73	0.310	0.200	15.0	7289.7	0.0
193	-16.63	0.310	0.200	15.0	7280.3	0.0
194	-16.54	0.310	0.200	15.0	7270.7	0.0
195	-16.45	0.310	0.200	15.0	7260.7	0.0
196	-16.36	0.309	0.200	15.0	7250.4	0.0
197	-16.26	0.309	0.200	15.0	7239.9	0.0
198	-16.17	0.309	0.200	15.0	7229.0	0.0
199	-16.08	0.309	0.200	15.0	7217.9	0.0
200	-15.98	0.309	0.200	15.0	7206.4	0.0
201	-15.89	0.309	0.200	15.0	7194.7	0.0
202	-15.80	0.309	0.200	15.0	7182.7	0.0
203	-15.71	0.308	0.200	15.0	7170.4	0.0
204	-15.61	0.308	0.200	15.0	7157.7	0.0
205	-15.52	0.308	0.200	15.0	7144.8	0.0
206	-15.43	0.308	0.200	15.0	7131.6	0.0
207	-15.34	0.308	0.200	15.0	7118.2	0.0
208	-15.24	0.308	0.200	15.0	7109.5	0.0
209	-15.15	0.308	0.200	15.0	7112.4	0.0
210	-15.06	0.307	0.200	15.0	7115.0	0.0
211	-14.97	0.307	0.200	15.0	7117.3	0.0
212	-14.88	0.307	0.200	15.0	7119.4	0.0
213	-14.78	0.307	0.200	15.0	7121.1	0.0
214	-14.69	0.307	0.200	15.0	7122.6	0.0
215	-14.60	0.307	0.200	15.0	7123.7	0.0
216	-14.51	0.307	0.200	15.0	7124.6	0.0
217	-14.42	0.307	0.200	15.0	7125.2	0.0
218	-14.32	0.306	0.200	15.0	7125.5	0.0
219	-14.23	0.306	0.200	15.0	7125.5	0.0
220	-14.14	0.306	0.200	15.0	7125.2	0.0
221	-14.04	0.306	0.200	15.0	7124.7	0.0
222	-13.96	0.306	0.200	15.0	7123.8	0.0
223	-13.86	0.306	0.200	15.0	7122.7	0.0
224	-13.77	0.306	0.200	15.0	7121.3	0.0

225	-13.68	0.306	0.200	15.0	7099.1	0.0
226	-13.59	0.305	0.200	15.0	7051.6	0.0
227	-13.50	0.305	0.200	15.0	7003.9	0.0
228	-13.40	0.305	0.200	15.0	6955.9	0.0
229	-13.31	0.305	0.200	15.0	6907.6	0.0
230	-13.22	0.305	0.200	15.0	6859.0	0.0
231	-13.13	0.305	0.200	15.0	6810.1	0.0
232	-13.04	0.305	0.200	15.0	6760.9	0.0
233	-12.95	0.305	0.200	15.0	6711.5	0.0
234	-12.86	0.305	0.200	15.0	6661.8	0.0
235	-12.76	0.304	0.200	15.0	6611.8	0.0
236	-12.67	0.304	0.200	15.0	6561.5	0.0
237	-12.58	0.304	0.200	15.0	6511.0	0.0
238	-12.49	0.304	0.200	15.0	6460.1	0.0
239	-12.40	0.304	0.200	15.0	6547.8	0.0
240	-12.31	0.304	0.200	15.0	6446.3	0.0
241	-12.22	0.304	0.200	15.0	6353.1	0.0
242	-12.13	0.304	0.200	15.0	6352.6	0.0
243	-12.03	0.304	0.200	15.0	6351.8	0.0
244	-11.94	0.304	0.200	15.0	6350.8	0.0
245	-11.85	0.303	0.200	15.0	6349.4	0.0
246	-11.76	0.303	0.200	15.0	6347.8	0.0
247	-11.67	0.303	0.200	15.0	6345.9	0.0
248	-11.58	0.303	0.200	15.0	6343.7	0.0
249	-11.49	0.303	0.200	15.0	6341.3	0.0
250	-11.40	0.303	0.200	15.0	6338.5	0.0
251	-11.30	0.303	0.200	15.0	6335.5	0.0
252	-11.21	0.303	0.200	15.0	6332.2	0.0
253	-11.12	0.303	0.200	15.0	6328.7	0.0
254	-11.03	0.303	0.200	15.0	6324.8	0.0
255	-10.94	0.302	0.200	15.0	6320.7	0.0
256	-10.85	0.302	0.200	15.0	6316.3	0.0
257	-10.76	0.302	0.200	15.0	6311.7	0.0
258	-10.67	0.302	0.200	15.0	6306.7	0.0
259	-10.58	0.302	0.200	15.0	6301.5	0.0
260	-10.49	0.302	0.200	15.0	6296.1	0.0
261	-10.40	0.302	0.200	15.0	6290.3	0.0
262	-10.31	0.302	0.200	15.0	6317.7	0.0
263	-10.22	0.302	0.200	15.0	6348.0	0.0
264	-10.12	0.302	0.200	15.0	6378.0	0.0
265	-10.04	0.302	0.200	15.0	6407.8	0.0
266	-9.94	0.301	0.200	15.0	6437.3	0.0
267	-9.85	0.301	0.200	15.0	6466.6	0.0
268	-9.76	0.301	0.200	15.0	6495.5	0.0
269	-9.67	0.301	0.200	15.0	6524.2	0.0
270	-9.58	0.301	0.200	15.0	6552.6	0.0
271	-9.49	0.301	0.200	15.0	6580.8	0.0
272	-9.40	0.301	0.200	15.0	6608.7	0.0
273	-9.31	0.301	0.200	15.0	6636.3	0.0
274	-9.22	0.301	0.200	15.0	6663.6	0.0
275	-9.13	0.301	0.200	15.0	6690.7	0.0
276	-9.04	0.301	0.200	15.0	6717.5	0.0
277	-8.95	0.301	0.200	15.0	6744.0	0.0
278	-8.86	0.301	0.176	14.5	6770.2	0.0
279	-8.77	0.300	0.176	14.5	6796.2	0.0
280	-8.68	0.300	0.176	14.5	6821.9	0.0
281	-8.59	0.300	0.200	15.0	6847.4	0.0
282	-8.50	0.300	0.200	15.0	6841.9	0.0
283	-8.41	0.300	0.200	15.0	6827.1	0.0
284	-8.32	0.300	0.200	15.0	6812.1	0.0
285	-8.23	0.300	0.200	15.0	6796.8	0.0
286	-8.14	0.300	0.200	15.0	6781.2	0.0
287	-8.05	0.300	0.200	15.0	6765.4	0.0
288	-7.96	0.300	0.200	15.0	6749.3	0.0
289	-7.87	0.300	0.200	15.0	6732.9	0.0
290	-7.78	0.300	0.200	15.0	6716.3	0.0
291	-7.69	0.300	0.200	15.0	6699.3	0.0
292	-7.60	0.300	0.200	15.0	6682.2	0.0
293	-7.51	0.300	0.200	15.0	6664.7	0.0
294	-7.42	0.299	0.200	15.0	6647.0	0.0
295	-7.33	0.299	0.200	15.0	6629.0	0.0

296	-7.24	0.299	0.200	15.0	6610.8	0.0
297	-7.15	0.299	0.200	15.0	6592.2	0.0
298	-7.06	0.299	0.176	14.5	6606.9	0.0
299	-6.97	0.299	0.176	14.5	6627.5	0.0
300	-6.88	0.299	0.200	15.0	6647.8	0.0
301	-6.79	0.299	0.200	15.0	6667.9	0.0
302	-6.70	0.299	0.200	15.0	6687.7	0.0
303	-6.61	0.299	0.200	15.0	6707.3	0.0
304	-6.52	0.299	0.200	15.0	6726.6	0.0
305	-6.43	0.299	0.200	15.0	6745.6	0.0
306	-6.34	0.299	0.200	15.0	6764.3	0.0
307	-6.26	0.299	0.200	15.0	6782.8	0.0
308	-6.16	0.299	18.300	0.0	8948.8	0.0
309	-6.07	0.299	18.300	0.0	8972.4	0.0
310	-5.98	0.299	0.200	15.0	6836.7	0.0
311	-5.90	0.299	0.200	15.0	6822.6	0.0
312	-5.80	0.298	0.200	15.0	6528.4	0.0
313	-5.71	0.298	0.200	15.0	6233.9	0.0
314	-5.63	0.298	0.200	15.0	6009.8	0.0
315	-5.54	0.298	0.200	15.0	6010.7	0.0
316	-5.45	0.298	0.200	15.0	6011.4	0.0
317	-5.36	0.298	0.200	15.0	6011.8	0.0
318	-5.27	0.298	0.200	15.0	6011.9	0.0
319	-5.18	0.298	0.200	15.0	6011.8	0.0
320	-5.09	0.298	0.200	15.0	6011.4	0.0
321	-5.00	0.298	0.200	15.0	6010.7	0.0
322	-4.91	0.298	0.200	15.0	6107.6	0.0
323	-4.82	0.298	0.200	15.0	6211.4	0.0
324	-4.73	0.298	0.200	15.0	6311.9	0.0
325	-4.64	0.298	0.200	15.0	6323.1	0.0
326	-4.55	0.298	0.200	15.0	6334.1	0.0
327	-4.46	0.298	0.200	15.0	6344.8	0.0
328	-4.37	0.298	0.200	15.0	6355.2	0.0
329	-4.28	0.298	0.200	15.0	6365.4	0.0
330	-4.19	0.298	0.200	15.0	6375.3	0.0
331	-4.11	0.298	0.200	15.0	6384.9	0.0
332	-4.02	0.298	0.200	15.0	6394.3	0.0
333	-3.92	0.298	0.200	15.0	6403.4	0.0
334	-3.84	0.298	0.200	15.0	6412.3	0.0
335	-3.75	0.298	0.200	15.0	6420.9	0.0
336	-3.66	0.298	0.200	15.0	6429.2	0.0
337	-3.57	0.298	0.200	15.0	6437.3	0.0
338	-3.48	0.297	0.200	15.0	6432.5	0.0
339	-3.39	0.297	0.200	15.0	6416.2	0.0
340	-3.30	0.297	0.200	15.0	6399.7	0.0
341	-3.21	0.297	0.200	15.0	6382.9	0.0
342	-3.12	0.297	0.200	15.0	6365.9	0.0
343	-3.03	0.297	0.200	15.0	6348.6	0.0
344	-2.94	0.297	0.200	15.0	6331.0	0.0
345	-2.86	0.297	0.200	15.0	6313.2	0.0
346	-2.77	0.297	0.200	15.0	6295.1	0.0
347	-2.67	0.297	0.200	15.0	6276.7	0.0
348	-2.59	0.297	0.200	15.0	6258.1	0.0
349	-2.50	0.297	0.200	15.0	6239.2	0.0
350	-2.41	0.297	0.200	15.0	6220.1	0.0
351	-2.32	0.297	0.200	15.0	6200.7	0.0
352	-2.23	0.297	0.200	15.0	6181.1	0.0
353	-2.14	0.297	0.200	15.0	6161.1	0.0
354	-2.05	0.297	0.200	15.0	6140.9	0.0
355	-1.96	0.297	0.200	15.0	6120.5	0.0
356	-1.87	0.297	0.200	15.0	6099.8	0.0
357	-1.79	0.297	0.200	15.0	6078.8	0.0
358	-1.69	0.297	0.200	15.0	6057.6	0.0
359	-1.61	0.297	0.200	15.0	6036.1	0.0
360	-1.52	0.297	0.200	15.0	6014.4	0.0
361	-1.43	0.297	0.200	15.0	5992.4	0.0
362	-1.34	0.297	0.200	15.0	5970.1	0.0
363	-1.25	0.297	0.200	15.0	5947.6	0.0
364	-1.16	0.297	0.200	15.0	5924.8	0.0
365	-1.07	0.297	0.200	15.0	5901.7	0.0
366	-0.98	0.297	0.200	15.0	5878.4	0.0

367	-0.89	0.297	0.200	15.0	5854.8	0.0
368	-0.80	0.297	0.200	15.0	5831.0	0.0
369	-0.72	0.297	0.200	15.0	5806.9	0.0
370	-0.62	0.297	0.200	15.0	5782.5	0.0
371	-0.54	0.297	0.200	15.0	5757.9	0.0
372	-0.45	0.297	0.200	15.0	5733.0	0.0
373	-0.36	0.297	0.200	15.0	5707.9	0.0
374	-0.27	0.297	0.200	15.0	5682.5	0.0
375	-0.18	0.297	0.200	15.0	5656.9	0.0
376	-0.09	0.297	0.200	15.0	5630.9	0.0
377	0.00	0.297	0.200	15.0	5604.8	0.0
378	0.09	0.297	0.200	15.0	5578.3	0.0
379	0.18	0.297	0.200	15.0	5551.6	0.0
380	0.27	0.297	0.200	15.0	5524.6	0.0
381	0.35	0.297	0.200	15.0	5497.4	0.0
382	0.44	0.297	0.200	15.0	5469.9	0.0
383	0.53	0.297	0.200	15.0	5442.2	0.0
384	0.62	0.297	0.200	15.0	5414.2	0.0
385	0.71	0.297	0.200	15.0	5385.9	0.0
386	0.80	0.297	0.200	15.0	5357.4	0.0
387	0.89	0.297	0.200	15.0	5328.6	0.0
388	0.98	0.297	0.200	15.0	5299.6	0.0
389	1.07	0.297	0.200	15.0	5270.3	0.0
390	1.16	0.297	0.200	15.0	5240.7	0.0
391	1.25	0.297	0.200	15.0	5210.9	0.0
392	1.33	0.297	0.200	15.0	5180.8	0.0
393	1.42	0.297	0.200	15.0	5153.0	0.0
394	1.52	0.297	0.200	15.0	5128.3	0.0
395	1.60	0.297	0.200	15.0	5103.4	0.0
396	1.69	0.297	0.200	15.0	5078.2	0.0
397	1.78	0.297	0.200	15.0	5052.7	0.0
398	1.87	0.297	0.200	15.0	5027.0	0.0
399	1.96	0.297	0.200	15.0	5001.0	0.0
400	2.05	0.297	0.200	15.0	4974.8	0.0
401	2.14	0.297	0.200	15.0	4948.2	0.0
402	2.23	0.297	0.200	15.0	4910.9	0.0
403	2.32	0.297	0.200	15.0	4865.4	0.0
404	2.40	0.297	0.200	15.0	4819.6	0.0
405	2.50	0.297	0.200	15.0	4773.5	0.0
406	2.58	0.297	0.200	15.0	4727.3	0.0
407	2.67	0.297	0.200	15.0	4680.7	0.0
408	2.76	0.297	0.200	15.0	4633.9	0.0
409	2.85	0.297	0.200	15.0	4586.8	0.0
410	2.94	0.297	0.200	15.0	4539.5	0.0
411	3.03	0.297	0.200	15.0	4491.8	0.0
412	3.12	0.297	0.200	15.0	4444.0	0.0
413	3.21	0.297	0.200	15.0	4395.9	0.0
414	3.30	0.297	0.200	15.0	4347.5	0.0
415	3.38	0.297	0.200	15.0	4298.8	0.0
416	3.48	0.297	0.200	15.0	4249.9	0.0
417	3.57	0.298	0.200	15.0	4200.7	0.0
418	3.66	0.298	0.200	15.0	4151.3	0.0
419	3.74	0.298	0.200	15.0	4101.6	0.0
420	3.84	0.298	0.200	15.0	4051.6	0.0
421	3.92	0.298	0.200	15.0	4001.4	0.0
422	4.01	0.298	0.200	15.0	3950.9	0.0
423	4.10	0.298	0.200	15.0	3900.2	0.0
424	4.19	0.298	0.200	15.0	3849.2	0.0
425	4.28	0.298	0.200	15.0	3797.9	0.0
426	4.37	0.298	0.200	15.0	3746.3	0.0
427	4.46	0.298	0.200	15.0	3701.9	0.0
428	4.55	0.298	0.200	15.0	3659.5	0.0
429	4.64	0.298	0.200	15.0	3616.9	0.0
430	4.73	0.298	0.200	15.0	3574.0	0.0
431	4.82	0.298	0.200	15.0	3530.9	0.0
432	4.91	0.298	0.200	15.0	3487.4	0.0
433	5.00	0.298	0.200	15.0	3443.8	0.0
434	5.09	0.298	0.200	15.0	3399.8	0.0
435	5.17	0.298	0.200	15.0	3355.6	0.0
436	5.26	0.298	0.200	15.0	3311.2	0.0
437	5.35	0.298	0.200	15.0	3266.5	0.0

438	5.44	0.298	0.200	15.0	3221.5	0.0
439	5.54	0.298	0.200	15.0	3176.2	0.0
440	5.62	0.298	0.200	15.0	3130.7	0.0
441	5.71	0.298	0.200	15.0	3084.9	0.0
442	5.80	0.298	0.200	15.0	3038.9	0.0
443	5.89	0.299	0.200	15.0	2992.5	0.0
444	5.98	0.299	0.200	15.0	2946.0	0.0
445	6.07	0.299	0.200	15.0	2899.1	0.0
446	6.16	0.299	0.200	15.0	2852.0	0.0
447	6.25	0.299	0.200	15.0	2804.7	0.0
448	6.34	0.299	0.200	15.0	2757.0	0.0
449	6.43	0.299	0.200	15.0	2709.1	0.0
450	6.52	0.299	0.200	15.0	2660.9	0.0
451	6.61	0.299	0.200	15.0	2612.5	0.0
452	6.70	0.299	0.200	15.0	2563.8	0.0
453	6.79	0.299	0.200	15.0	2514.8	0.0
454	6.88	0.299	0.200	15.0	2465.6	0.0
455	6.97	0.299	0.200	15.0	2416.1	0.0
456	7.06	0.299	0.200	15.0	2366.4	0.0
457	7.15	0.299	0.200	15.0	2316.3	0.0
458	7.24	0.299	0.200	15.0	2266.0	0.0
459	7.33	0.299	0.200	15.0	2215.5	0.0
460	7.42	0.299	0.200	15.0	2164.6	0.0
461	7.51	0.300	0.200	15.0	2113.5	0.0
462	7.60	0.300	0.200	15.0	2062.2	0.0
463	7.69	0.300	0.200	15.0	2010.5	0.0
464	7.78	0.300	0.200	15.0	1958.6	0.0
465	7.86	0.300	0.200	15.0	1906.4	0.0
466	7.96	0.300	0.200	15.0	1854.0	0.0
467	8.05	0.300	0.200	15.0	1801.3	0.0
468	8.14	0.300	0.200	15.0	1748.3	0.0
469	8.23	0.300	0.200	15.0	1695.1	0.0
470	8.32	0.300	0.200	15.0	1641.6	0.0
471	8.41	0.300	0.200	15.0	1587.8	0.0
472	8.50	0.300	0.200	15.0	1533.7	0.0
473	8.59	0.300	0.200	15.0	1479.4	0.0
474	8.68	0.300	0.200	15.0	1424.8	0.0
475	8.77	0.300	0.200	15.0	1370.0	0.0
476	8.86	0.301	0.200	15.0	1314.8	0.0
477	8.95	0.301	0.200	15.0	1259.4	0.0
478	9.04	0.301	0.200	15.0	1203.8	0.0
479	9.13	0.301	0.200	15.0	1147.8	0.0
480	9.22	0.301	0.200	15.0	1091.6	0.0
481	9.31	0.301	0.200	15.0	1035.1	0.0
482	9.40	0.301	0.200	15.0	978.4	0.0
483	9.49	0.301	0.200	15.0	921.4	0.0
484	9.58	0.301	0.200	15.0	864.1	0.0
485	9.67	0.301	0.200	15.0	806.5	0.0
486	9.76	0.301	0.200	15.0	748.7	0.0
487	9.85	0.301	0.200	15.0	690.5	0.0
488	9.94	0.301	0.200	15.0	632.2	0.0
489	10.03	0.302	0.200	15.0	573.5	0.0
490	10.12	0.302	0.200	15.0	514.6	0.0
491	10.21	0.302	0.200	15.0	455.4	0.0
492	10.30	0.302	0.200	15.0	395.9	0.0
493	10.40	0.302	0.200	15.0	336.1	0.0
494	10.48	0.302	0.200	15.0	280.2	0.0
495	10.58	0.302	0.200	15.0	237.8	0.0
496	10.67	0.302	0.200	15.0	195.2	0.0
497	10.76	0.302	0.200	15.0	152.3	0.0
498	10.85	0.302	0.200	15.0	109.1	0.0
499	10.94	0.302	0.200	15.0	65.7	0.0
500	11.03	0.303	0.200	15.0	22.0	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	-570.7	-2327.3	1725.4	527.3	-43.6
2	-939.7	-2502.3	1640.5	585.9	-130.0
3	-791.4	-2622.1	1220.8	644.0	-215.4
4	-636.6	-2687.6	1341.2	701.6	-299.8
5	-714.3	-2470.8	699.8	287.1	-366.3
6	-603.4	-2218.3	586.6	326.5	-422.5
7	-545.6	-1929.8	731.5	366.6	-479.3
8	-547.7	-1605.8	883.2	406.3	-535.5
9	-616.6	-1247.0	1042.2	445.7	-590.9
10	-760.2	-853.6	1209.1	484.8	-645.7
11	-985.0	-426.4	1383.0	523.5	-699.8
12	-1298.4	34.3	1564.4	562.0	-753.2
13	-1706.8	527.8	1752.6	600.1	-806.0
14	-2217.4	1053.8	1948.2	637.9	-858.1
15	-2836.3	1611.8	2150.1	675.4	-909.6
16	-3570.1	2201.1	2358.8	712.6	-960.4
17	-4425.1	2821.5	2574.2	749.5	-1010.6
18	-5407.3	3472.3	2795.9	786.1	-1060.1
19	-6522.5	4153.1	3023.5	822.4	-1108.9
20	-7777.1	4863.5	3257.9	858.4	-1157.3
21	-9176.4	5602.9	3497.7	894.2	-1204.9
22	-10560.9	6369.1	3562.4	927.5	-1249.1
23	-12045.5	7159.8	3744.9	958.5	-1289.7
24	-13646.7	7974.6	3944.8	989.2	-1329.8
25	-15367.4	8813.1	4147.7	1019.6	-1369.3
26	-17210.8	9674.8	4353.8	1049.8	-1408.2
27	-19179.3	10559.4	4562.3	1079.8	-1446.7
28	-21275.9	11466.5	4774.0	1109.5	-1484.7
29	-23503.5	12395.6	4988.5	1138.9	-1522.1
30	-25863.7	13346.4	5204.8	1168.1	-1558.9
31	-28360.5	14318.6	5424.9	1197.1	-1595.4
32	-30994.9	15311.5	5646.2	1225.8	-1631.1
33	-33770.0	16325.0	5870.7	1254.3	-1666.5
34	-36687.9	17358.6	6097.2	1282.5	-1701.2
35	-39750.8	18411.9	6326.0	1310.6	-1735.7
36	-42960.9	19484.7	6556.9	1338.3	-1769.5
37	-46320.6	20576.3	6790.4	1365.9	-1802.8
38	-49831.1	21686.7	7025.0	1393.2	-1835.7
39	-53495.2	22815.3	7262.6	1420.3	-1868.1
40	-57309.4	23961.2	7494.8	1446.6	-1899.0
41	-61279.2	25124.3	7732.7	1472.6	-1929.8
42	-65405.6	26304.0	7971.5	1498.4	-1959.8
43	-69691.2	27499.8	8213.2	1524.0	-1989.2
44	-74137.5	28711.6	8456.2	1549.4	-2018.5
45	-78746.5	29939.2	8701.2	1574.6	-2047.3
46	-83518.0	31182.0	8946.0	1599.5	-2075.6
47	-88454.7	32439.8	9193.6	1624.3	-2103.4
48	-93558.1	33712.1	9442.7	1648.9	-2130.8
49	-98828.3	34998.7	9691.7	1673.2	-2157.7
50	-104267.0	36299.3	9942.5	1697.4	-2184.3
51	-109876.8	37613.6	10196.0	1721.4	-2210.5
52	-115656.2	38941.1	10447.8	1745.1	-2236.0
53	-121607.7	40281.6	10702.2	1768.7	-2261.3
54	-127733.0	41634.9	10958.1	1792.2	-2286.3
55	-134031.6	43000.6	11213.5	1815.3	-2310.7
56	-140505.2	44378.2	11471.0	1838.4	-2334.8
57	-147158.8	45768.0	11734.2	1861.6	-2358.9
58	-153987.0	47169.3	11991.6	1884.5	-2382.4
59	-160994.2	48582.0	12253.5	1907.3	-2405.7
60	-168180.8	50005.7	12515.9	1929.9	-2428.5
61	-175545.3	51440.2	12776.6	1952.3	-2450.9
62	-183088.5	52885.2	13037.8	1974.6	-2472.9
63	-190814.5	54340.4	13303.5	1996.7	-2494.7
64	-198719.3	55805.4	13564.9	2018.5	-2515.9
65	-206805.7	57279.8	13829.1	2040.2	-2536.6
66	-215072.2	58763.6	14091.6	2061.8	-2557.2
67	-223522.5	60256.5	14357.9	2083.3	-2577.6

68	-232155.4	61758.2	14622.9	2104.5	-2597.3
69	-240968.3	63268.3	14884.9	2125.5	-2616.7
70	-249964.2	64786.5	15150.3	2146.4	-2635.6
71	-259144.8	66312.7	15417.2	2167.1	-2654.4
72	-268506.0	67846.3	15679.6	2187.6	-2672.6
73	-278050.5	69387.3	15945.0	2208.0	-2690.6
74	-287778.0	70935.5	16209.7	2228.3	-2708.2
75	-297686.2	72490.2	16472.1	2248.3	-2725.2
76	-307779.3	74051.6	16738.8	2268.3	-2742.3
77	-318053.7	75619.3	17001.4	2288.0	-2758.8
78	-328510.0	77192.8	17264.8	2307.6	-2775.0
79	-339147.6	78772.0	17527.3	2327.1	-2790.7
80	-349969.5	80356.8	17792.9	2346.4	-2806.3
81	-360970.1	81946.8	18052.4	2365.6	-2821.6
82	-372151.5	83541.6	18314.1	2384.5	-2836.2
83	-383517.7	85141.4	18580.0	2403.5	-2851.1
84	-395059.8	86745.4	18836.2	2422.1	-2865.0
85	-406782.0	88353.6	19096.8	2440.7	-2878.8
86	-418683.0	89965.6	19355.9	2459.1	-2892.3
87	-430764.2	91581.6	19616.3	2477.4	-2905.7
88	-443023.3	93200.9	19874.2	2495.5	-2918.5
89	-455458.1	94823.5	20129.6	2513.6	-2931.2
90	-467013.5	96449.3	19227.2	2531.6	-2943.8
91	-476443.1	98074.2	16941.7	2543.9	-2949.3
92	-485909.4	99697.4	17025.8	2555.0	-2953.4
93	-495423.8	101319.0	17122.0	2566.0	-2957.5
94	-504981.3	102938.2	17212.9	2576.7	-2960.7
95	-514586.9	104555.2	17308.8	2587.4	-2964.0
96	-524239.2	106169.9	17402.9	2598.1	-2967.4
97	-533931.8	107782.0	17489.9	2608.5	-2970.1
98	-543670.4	109391.5	17582.8	2618.9	-2972.9
99	-553451.3	110998.2	17671.4	2629.2	-2975.5
100	-563271.4	112601.7	17756.6	2639.3	-2977.5
101	-573130.6	114202.0	17841.3	2649.3	-2979.6
102	-583028.7	115798.9	17925.6	2659.2	-2981.4
103	-592966.4	117392.3	18010.5	2669.0	-2983.0
104	-602941.0	118982.0	18092.0	2678.7	-2984.3
105	-612949.6	120567.8	18170.3	2688.3	-2985.3
106	-624308.1	122149.8	19700.7	2697.9	-2986.5
107	-637792.7	123730.4	22102.4	2712.2	-2992.7
108	-651415.3	125310.2	22310.9	2727.1	-2999.6
109	-665169.6	126888.6	22512.5	2741.8	-3005.8
110	-679055.3	128465.7	22713.5	2756.4	-3012.1
111	-693070.5	130041.1	22912.4	2770.9	-3018.1
112	-707213.1	131614.9	23108.6	2785.3	-3023.8
113	-721480.5	133186.6	23302.1	2799.6	-3029.2
114	-735877.0	134756.4	23499.7	2813.8	-3034.7
115	-750393.6	136323.4	23687.8	2827.8	-3039.3
116	-765033.6	137888.2	23879.0	2841.8	-3044.2
117	-779795.6	139450.1	24068.8	2855.6	-3048.5
118	-794675.9	141008.9	24254.2	2869.2	-3052.6
119	-809676.9	142564.7	24442.1	2882.9	-3056.7
120	-824789.3	144117.1	24619.7	2896.3	-3060.2
121	-840024.9	145666.3	24809.7	2909.8	-3064.2
122	-855373.0	147212.1	24988.1	2923.1	-3067.5
123	-870832.5	148753.7	25165.3	2936.2	-3070.2
124	-886418.2	150292.1	25360.9	2950.3	-3074.4
125	-902110.5	151826.6	25535.5	2964.2	-3077.7
126	-917917.0	153357.2	25718.1	2978.2	-3081.1
127	-930716.0	154883.3	22424.9	2990.5	-3083.0
128	-942834.5	156402.6	21708.6	2999.2	-3080.7
129	-954975.1	157915.3	21773.0	3007.9	-3078.7
130	-967133.6	159420.9	21832.9	3016.5	-3076.0
131	-979308.4	160919.6	21890.4	3025.0	-3073.5
132	-991495.1	162410.8	21943.2	3033.4	-3070.4
133	-1003698.2	163894.7	22000.3	3041.7	-3067.5
134	-1015913.6	165371.0	22053.2	3049.9	-3064.0
135	-1028139.1	166839.7	22102.9	3058.0	-3060.7
136	-1040379.4	168301.0	22157.6	3066.1	-3057.6
137	-1052627.1	169754.5	22203.9	3074.1	-3053.9
138	-1064880.9	171199.6	22248.9	3081.9	-3049.6

139	-1077144.4	172636.9	22297.2	3089.7	-3045.9
140	-1089420.8	174066.4	22351.2	3098.2	-3042.4
141	-1101727.7	175488.8	22429.1	3108.3	-3040.7
142	-1114045.4	176903.8	22485.0	3118.2	-3038.4
143	-1126370.3	178311.5	22536.5	3128.0	-3036.2
144	-1138699.4	179711.4	22584.5	3137.8	-3033.5
145	-1151037.1	181103.8	22637.1	3147.5	-3030.9
146	-1163383.3	182488.3	22689.3	3157.1	-3028.2
147	-1175724.9	183864.6	22727.0	3166.5	-3024.8
148	-1188071.9	185232.9	22775.2	3175.9	-3021.7
149	-1200421.3	186592.9	22820.0	3185.3	-3018.3
150	-1212766.9	187944.5	22857.7	3194.5	-3014.8
151	-1225110.7	189287.6	22897.2	3203.7	-3011.0
152	-1237450.8	190622.1	22934.6	3212.7	-3007.0
153	-1249792.6	191948.1	22977.5	3221.8	-3003.3
154	-1262118.4	193264.7	23000.9	3230.6	-2998.6
155	-1274442.4	194572.7	23039.2	3239.5	-2994.4
156	-1286759.1	195871.7	23071.5	3248.2	-2990.1
157	-1291358.9	197161.0	14445.0	3256.8	-2984.8
158	-1271431.0	198434.3	-13123.1	3248.5	-2964.6
159	-1250969.0	199688.7	-13765.0	3232.6	-2937.4
160	-1230045.1	200924.0	-14326.8	3216.6	-2909.8
161	-1208678.0	202140.4	-14867.9	3200.6	-2882.7
162	-1186867.6	203338.2	-15409.6	3184.5	-2855.7
163	-1164623.6	204517.4	-15941.2	3168.5	-2828.7
164	-1141953.2	205677.6	-16465.3	3152.3	-2801.4
165	-1118875.3	206819.8	-16968.4	3136.2	-2774.9
166	-1095384.0	207943.5	-17478.9	3120.0	-2748.1
167	-1071492.1	209049.3	-17975.3	3103.8	-2721.7
168	-1047213.3	210136.6	-18457.2	3087.4	-2694.6
169	-1022549.8	211206.0	-18936.9	3071.1	-2668.3
170	-997513.5	212257.4	-19403.8	3054.8	-2641.7
171	-972101.8	213290.8	-19874.2	3038.3	-2615.2
172	-946334.9	214306.3	-20322.3	3021.9	-2588.7
173	-920220.5	215304.4	-20762.1	3005.4	-2562.7
174	-893762.1	216284.7	-21198.6	2988.9	-2536.4
175	-866960.8	217247.7	-21634.3	2972.3	-2510.5
176	-839836.6	218193.6	-22047.9	2955.8	-2484.7
177	-812394.9	219122.3	-22455.7	2939.1	-2458.9
178	-784635.8	220033.7	-22864.2	2922.4	-2432.8
179	-756571.7	220928.1	-23259.0	2905.7	-2407.2
180	-728209.6	221805.7	-23646.4	2889.0	-2381.6
181	-699557.2	222666.5	-24025.5	2872.2	-2356.2
182	-670625.0	223510.8	-24393.1	2855.3	-2330.7
183	-656077.7	224977.5	-4718.4	1624.5	-2312.5
184	-628220.2	226431.8	-13391.7	1623.1	-2299.3
185	-599927.6	227873.6	-13678.0	1621.6	-2286.0
186	-571204.6	229302.8	-13961.4	1620.1	-2272.6
187	-542056.3	230719.7	-14241.9	1618.5	-2259.5
188	-499178.6	231510.3	-28862.5	2795.5	-2246.0
189	-468164.4	232288.6	-18604.7	2792.9	-2232.3
190	-436912.0	233055.0	-18816.9	2790.3	-2219.0
191	-405428.4	233808.9	-19023.6	2787.5	-2205.2
192	-373713.7	234550.4	-19232.3	2784.2	-2191.0
193	-341761.7	235278.6	-19450.6	2779.4	-2175.1
194	-309591.1	235993.6	-19652.9	2774.6	-2159.5
195	-277210.0	236695.2	-19848.7	2769.6	-2143.5
196	-244622.0	237383.7	-20041.6	2764.7	-2127.8
197	-211837.7	238059.0	-20225.7	2759.7	-2112.1
198	-178850.7	238721.2	-20415.7	2754.6	-2096.3
199	-145680.3	239369.8	-20589.3	2749.4	-2080.1
200	-112328.2	240005.3	-20761.7	2744.2	-2064.2
201	-78798.9	240627.6	-20930.6	2738.9	-2048.2
202	-45090.2	241237.1	-21101.5	2733.6	-2032.6
203	-11215.6	241833.0	-21261.4	2728.2	-2016.2
204	22814.2	242415.7	-21412.1	2722.7	-2000.2
205	57007.1	242985.5	-21569.8	2717.2	-1984.5
206	91347.7	243542.2	-21714.7	2711.6	-1968.3
207	125832.1	244085.6	-21856.6	2706.0	-1952.2
208	154493.0	244616.4	-16807.1	2701.7	-1937.4
209	181674.2	245136.1	-15522.0	2700.8	-1925.8

210	208964.4	245644.9	-15618.1	2699.9	-1914.4
211	236350.4	246142.4	-15703.1	2698.9	-1902.6
212	263833.8	246628.9	-15789.7	2697.8	-1891.1
213	291405.0	247104.1	-15868.3	2696.7	-1879.1
214	319063.5	247567.8	-15946.7	2695.4	-1867.0
215	346811.8	248020.7	-16027.5	2694.2	-1855.6
216	374628.9	248462.2	-16090.5	2692.9	-1843.4
217	402529.7	248892.4	-16166.5	2691.5	-1831.5
218	430499.4	249311.1	-16230.1	2689.9	-1819.1
219	458540.3	249718.4	-16295.8	2688.4	-1807.0
220	486642.1	250114.5	-16352.9	2686.8	-1794.9
221	514804.6	250498.9	-16410.1	2685.1	-1782.3
222	543035.1	250872.2	-16473.9	2683.4	-1770.3
223	571304.0	251234.1	-16512.1	2681.6	-1758.0
224	599626.2	251584.2	-16563.8	2679.7	-1745.2
225	649693.1	251921.2	-35562.9	2671.9	-1728.1
226	700936.5	252242.2	-36639.7	2656.8	-1704.2
227	752260.7	252548.0	-36760.0	2641.8	-1681.2
228	803645.6	252838.1	-36863.7	2626.6	-1657.5
229	855090.4	253113.1	-36966.5	2611.4	-1634.6
230	906573.9	253372.6	-37051.4	2596.1	-1611.1
231	958108.5	253617.4	-37147.1	2580.9	-1588.4
232	1009660.3	253847.3	-37213.7	2565.5	-1565.5
233	1061248.8	254062.7	-37297.2	2550.1	-1543.0
234	1112846.9	254263.4	-37357.7	2534.7	-1520.3
235	1164442.1	254449.6	-37407.5	2519.1	-1497.7
236	1216048.9	254621.7	-37470.0	2503.6	-1475.5
237	1267637.3	254779.5	-37506.7	2488.0	-1453.1
238	1319207.3	254923.1	-37543.8	2472.3	-1430.8
239	1370688.8	255063.0	-37397.8	2496.1	-1439.4
240	1422287.8	255185.3	-37598.4	2466.1	-1406.2
241	1443922.4	255291.2	-11443.4	2438.5	-1375.4
242	1444221.9	255387.2	7244.5	2437.2	-1364.9
243	1444463.6	255473.0	7296.2	2435.9	-1353.9
244	1444646.3	255548.5	7348.6	2434.5	-1342.9
245	1444784.9	255614.3	7387.7	2433.1	-1332.5
246	1444855.0	255669.8	7448.0	2431.6	-1321.4
247	1444874.0	255715.3	7492.9	2430.0	-1310.6
248	1444835.3	255750.7	7543.2	2428.4	-1299.7
249	1444736.1	255776.1	7595.9	2426.7	-1288.8
250	1444588.3	255791.5	7637.8	2424.9	-1277.8
251	1444372.8	255796.4	7696.3	2423.1	-1266.5
252	1444101.7	255791.3	7744.0	2421.2	-1255.4
253	1443780.9	255776.1	7786.3	2419.2	-1244.3
254	1443400.2	255750.8	7837.3	2417.2	-1233.1
255	1442963.5	255715.7	7884.6	2415.2	-1222.2
256	1442474.7	255670.4	7928.2	2413.0	-1211.0
257	1441917.2	255614.8	7986.4	2410.8	-1199.4
258	1441306.9	255549.0	8030.3	2408.5	-1188.1
259	1440635.7	255473.1	8081.0	2406.1	-1176.8
260	1439918.5	255387.3	8118.5	2403.8	-1165.7
261	1431558.0	255291.5	14839.8	2401.3	-1154.3
262	1412307.4	255186.7	24450.7	2408.2	-1148.9
263	1393030.6	255073.2	24505.7	2415.9	-1144.3
264	1373713.5	254950.4	24573.4	2423.6	-1138.9
265	1354383.3	254818.8	24616.4	2431.2	-1134.0
266	1335017.2	254677.8	24679.6	2438.7	-1128.7
267	1315625.6	254527.5	24733.4	2446.1	-1123.2
268	1296220.7	254368.0	24775.9	2453.5	-1117.9
269	1276784.9	254198.9	24834.1	2460.9	-1112.1
270	1257328.2	254020.1	24883.1	2468.1	-1106.1
271	1237858.4	253831.8	24924.9	2475.3	-1100.4
272	1218367.5	253633.7	24973.8	2482.4	-1094.2
273	1198870.5	253425.8	25008.9	2489.4	-1088.2
274	1179356.6	253208.2	25053.4	2496.4	-1082.1
275	1159825.3	252980.4	25098.3	2503.3	-1075.5
276	1140284.0	252742.3	25136.4	2510.2	-1068.7
277	1120743.5	252494.1	25164.6	2517.0	-1062.2
278	1100541.6	252308.2	24731.4	2384.6	-1055.5
279	1081282.3	252111.8	23954.7	2391.0	-1048.4
280	1062019.1	251905.2	23984.9	2397.4	-1041.5

281	1048763.4	251615.2	19724.3	2543.4	-1034.1
282	1048806.4	251314.9	7968.7	2541.3	-1022.8
283	1048787.3	251003.7	8012.3	2536.5	-1009.3
284	1048733.1	250681.9	8031.8	2531.7	-996.3
285	1048620.3	250349.3	8071.9	2526.8	-982.8
286	1048459.8	250006.1	8102.1	2521.9	-969.8
287	1048255.0	249652.5	8129.0	2516.9	-956.7
288	1048002.3	249288.5	8159.0	2511.9	-943.7
289	1047700.9	248914.2	8189.3	2506.8	-930.7
290	1047351.6	248529.5	8218.9	2501.6	-917.7
291	1046948.4	248134.3	8253.4	2496.3	-904.4
292	1046506.4	247729.1	8274.4	2491.1	-891.8
293	1046007.9	247313.5	8310.8	2485.7	-878.5
294	1045464.3	246887.7	8336.9	2480.3	-865.5
295	1044879.3	246452.3	8359.4	2474.8	-853.0
296	1044236.2	246006.5	8396.7	2469.3	-839.8
297	1036995.0	245550.8	14233.6	2463.7	-826.9
298	1016528.1	245155.9	24923.8	2330.1	-818.2
299	997011.5	244750.6	24132.3	2335.3	-810.6
300	978158.7	244262.6	24596.7	2478.1	-802.1
301	958409.6	243763.7	25415.5	2483.3	-793.9
302	938693.4	243254.1	25409.2	2488.5	-786.0
303	919008.7	242733.4	25404.2	2493.6	-777.6
304	899359.4	242201.3	25395.6	2498.7	-768.8
305	879754.8	241658.4	25378.3	2503.7	-760.5
306	860187.4	241104.2	25367.4	2508.6	-751.9
307	840672.6	240539.1	25342.5	2513.5	-743.5
308	1105986.8	211556.2	183000.0	57526.1	-966.2
309	995346.1	182571.8	183000.0	57507.3	-954.9
310	598185.2	181972.2	361273.4	2527.7	-716.3
311	649707.0	181363.1	-37790.7	2523.5	-704.7
312	744761.4	180755.8	-76794.3	2441.1	-663.6
313	839154.1	180151.5	-76484.4	2358.7	-623.7
314	855874.7	179548.2	-7561.3	2296.0	-592.0
315	845373.1	178935.6	16674.5	2296.1	-582.8
316	834883.3	178313.6	16668.3	2296.1	-573.3
317	824397.5	177682.0	16668.8	2296.0	-563.8
318	813924.9	177041.0	16660.9	2295.9	-554.2
319	803465.1	176390.4	16653.0	2295.8	-544.6
320	793021.5	175730.7	16641.7	2295.5	-535.3
321	767052.5	175061.4	30485.6	2295.2	-525.7
322	720805.9	174377.2	48659.8	2322.1	-524.8
323	674852.5	173677.0	48501.7	2351.0	-523.8
324	645895.0	172960.7	33440.1	2379.0	-522.2
325	631550.4	172234.0	20418.7	2382.0	-513.4
326	617268.5	171496.8	20376.9	2385.0	-504.5
327	603045.6	170748.5	20338.4	2388.0	-494.9
328	588896.4	169989.7	20286.2	2390.8	-485.9
329	574814.3	169220.5	20239.8	2393.7	-476.9
330	560800.2	168440.4	20192.3	2396.4	-467.5
331	546867.2	167649.7	20132.8	2399.1	-458.4
332	533001.5	166848.2	20085.6	2401.7	-448.8
333	519212.5	166035.7	20029.5	2404.3	-439.3
334	505505.0	165212.7	19968.9	2406.8	-430.0
335	491882.2	164379.1	19905.1	2409.3	-420.7
336	478338.4	163534.6	19846.3	2411.6	-411.0
337	465104.7	162679.4	19580.3	2414.0	-401.6
338	459272.3	161814.4	12957.7	2412.7	-391.0
339	453441.4	160940.7	12944.6	2408.3	-380.2
340	447626.4	160058.6	12918.4	2403.8	-369.3
341	441817.2	159167.7	12901.0	2399.2	-358.2
342	436024.2	158268.2	12874.0	2394.6	-347.1
343	430250.1	157360.3	12844.4	2389.9	-336.4
344	424489.4	156444.2	12819.4	2385.1	-325.7
345	418744.8	155520.0	12791.7	2380.3	-315.0
346	413018.1	154587.4	12762.3	2375.4	-304.1
347	407305.5	153646.4	12736.0	2370.5	-293.2
348	401615.1	152697.9	12702.1	2365.5	-283.0
349	395936.1	151740.9	12677.8	2360.5	-271.9
350	390283.9	150776.5	12639.2	2355.3	-261.8
351	384651.7	149804.0	12606.6	2350.1	-251.1

352	379039.5	148824.0	12573.8	2344.9	-240.8
353	373449.8	147836.5	12538.5	2339.6	-230.5
354	367880.3	146841.2	12505.0	2334.2	-220.0
355	362335.6	145838.6	12467.0	2328.8	-209.8
356	356813.1	144828.4	12431.2	2323.3	-199.4
357	351318.4	143811.4	12390.0	2317.7	-189.6
358	345846.5	142786.7	12353.3	2312.1	-179.0
359	340402.4	141755.3	12311.5	2306.4	-169.4
360	334982.3	140716.7	12273.2	2300.6	-159.2
361	329590.7	139671.3	12230.4	2294.8	-149.3
362	324229.3	138619.2	12185.7	2288.9	-139.6
363	318892.5	137560.2	12146.1	2283.0	-129.6
364	313585.4	136495.1	12101.4	2277.0	-120.3
365	308306.2	135422.9	12058.3	2270.9	-110.1
366	303061.4	134344.7	12008.9	2264.8	-100.9
367	297847.2	133260.0	11962.7	2258.6	-91.2
368	292663.7	132169.2	11916.2	2252.3	-81.8
369	287512.7	131072.4	11867.8	2246.0	-72.5
370	282392.7	129969.4	11820.5	2239.6	-63.0
371	277307.6	128860.7	11769.4	2233.2	-53.9
372	272256.7	127746.2	11718.7	2226.6	-44.8
373	267240.6	126626.2	11667.3	2220.0	-35.8
374	262260.4	125500.5	11614.5	2213.4	-26.6
375	257314.9	124369.4	11562.6	2206.7	-17.7
376	252406.0	123233.0	11508.7	2199.9	-9.0
377	247532.6	122091.3	11455.5	2193.1	0.0
378	242699.5	120944.8	11397.8	2186.1	8.3
379	237901.8	119793.2	11344.2	2179.2	17.1
380	233142.4	118636.5	11287.8	2172.1	25.8
381	228424.7	117475.5	11228.0	2165.0	33.9
382	223746.3	116309.7	11170.0	2157.8	42.4
383	219107.2	115139.4	11112.0	2150.6	50.6
384	214507.3	113964.6	11053.6	2143.3	59.0
385	209951.2	112785.9	10990.9	2135.9	66.7
386	205434.4	111602.9	10931.9	2128.5	74.9
387	200959.5	110415.7	10870.5	2121.0	83.0
388	196529.5	109225.1	10805.9	2113.4	90.4
389	192140.6	108030.5	10744.6	2105.7	98.3
390	187798.0	106832.4	10678.3	2098.0	105.8
391	183496.3	105630.6	10616.7	2090.2	113.5
392	179239.7	104425.9	10550.8	2082.4	120.6
393	173922.5	103217.4	11488.4	2075.2	128.2
394	168599.2	102004.6	11474.1	2068.9	135.7
395	163350.7	100788.1	11386.2	2062.5	142.7
396	158173.8	99567.7	11301.0	2056.1	150.0
397	153073.4	98343.6	11211.1	2049.5	157.1
398	148043.1	97115.7	11126.7	2043.0	164.3
399	143090.2	95884.4	11035.3	2036.3	171.2
400	138213.0	94649.8	10945.3	2029.6	177.9
401	133659.4	93411.9	10630.1	2022.8	184.9
402	132225.5	92172.9	7767.9	2012.9	191.0
403	130767.3	90934.2	7750.4	2000.8	197.0
404	129302.0	89696.6	7716.9	1988.6	202.3
405	127826.4	88459.7	7686.2	1976.3	208.0
406	126344.9	87224.0	7651.1	1963.9	213.3
407	124852.9	85989.3	7620.2	1951.5	218.6
408	123354.0	84756.3	7585.5	1938.9	223.6
409	121848.3	83524.8	7550.6	1926.4	228.6
410	120335.8	82295.4	7515.3	1913.7	233.0
411	118814.2	81067.8	7482.1	1901.0	238.0
412	117287.2	79842.7	7445.1	1888.1	242.1
413	115756.6	78620.0	7406.2	1875.2	246.4
414	114217.5	77399.8	7371.6	1862.3	250.7
415	112673.4	76182.8	7333.4	1849.2	254.3
416	111123.1	74968.5	7296.2	1836.1	258.4
417	109571.0	73757.6	7254.8	1822.9	261.8
418	108012.4	72550.1	7217.2	1809.7	265.4
419	106451.7	71346.6	7175.4	1796.3	268.3
420	104885.0	70146.7	7137.1	1782.9	271.7
421	103317.8	68951.0	7093.3	1769.4	274.5
422	101746.8	67759.8	7052.3	1755.8	277.1

423	100172.6	66573.0	7010.5	1742.2	279.8
424	98598.4	65391.1	6965.6	1728.4	282.1
425	97020.6	64214.1	6923.6	1714.6	284.4
426	95143.5	63042.4	7151.2	1700.7	286.3
427	92419.0	61874.6	7885.3	1688.8	288.6
428	89737.5	60710.0	7809.2	1677.5	291.3
429	87100.3	59549.1	7731.5	1666.2	293.5
430	84501.4	58391.9	7659.2	1654.7	295.7
431	81944.4	57238.9	7583.2	1643.2	297.6
432	79428.0	56090.0	7508.2	1631.6	299.5
433	76953.8	54945.4	7431.4	1619.9	301.2
434	74520.8	53805.6	7355.2	1608.2	302.6
435	72130.4	52670.7	7277.6	1596.3	303.8
436	69780.8	51540.7	7201.2	1584.4	305.1
437	67471.9	50415.9	7124.7	1572.4	306.2
438	65205.4	49296.7	7046.4	1560.3	306.9
439	62979.2	48182.9	6969.8	1548.2	307.8
440	60797.5	47075.2	6888.8	1535.9	308.1
441	58655.7	45973.3	6812.1	1523.6	308.6
442	56556.0	44877.8	6732.8	1511.2	308.7
443	54497.5	43788.8	6654.3	1498.7	308.8
444	52481.4	42706.4	6574.3	1486.1	308.7
445	50506.2	41630.9	6495.3	1473.5	308.4
446	48574.0	40562.6	6414.2	1460.7	307.8
447	46681.5	39501.5	6336.0	1448.0	307.3
448	44832.3	38448.1	6253.9	1435.0	306.3
449	43023.4	37402.5	6174.5	1422.0	305.3
450	41256.4	36364.8	6093.3	1409.0	304.1
451	39530.1	35335.4	6012.9	1395.8	302.7
452	37846.1	34314.6	5930.7	1382.5	301.0
453	36201.5	33302.3	5851.1	1369.2	299.4
454	34598.8	32299.1	5768.7	1355.8	297.4
455	33036.9	31305.1	5687.1	1342.3	295.2
456	31514.5	30320.2	5606.4	1328.7	293.1
457	30034.1	29345.2	5523.2	1315.0	290.4
458	28592.9	28380.0	5442.1	1301.2	287.7
459	27191.8	27424.9	5360.1	1287.4	284.8
460	25830.5	26480.1	5278.0	1273.5	281.9
461	24509.6	25545.9	5195.0	1259.4	278.5
462	23226.9	24622.5	5114.0	1245.3	275.1
463	21984.1	23710.2	5030.9	1231.1	271.4
464	20779.7	22809.2	4948.9	1216.8	267.5
465	19614.7	21919.9	4865.7	1202.3	263.3
466	18487.0	21042.3	4784.4	1187.9	259.1
467	17397.6	20176.9	4701.6	1173.3	254.6
468	16345.8	19323.6	4619.3	1158.6	250.0
469	15331.4	18483.0	4536.9	1143.8	245.1
470	14354.0	17655.3	4454.5	1129.0	240.0
471	13413.7	16840.6	4371.9	1114.0	234.7
472	12509.6	16039.4	4289.6	1099.0	229.1
473	11640.8	15251.7	4208.0	1083.8	223.4
474	10807.9	14477.9	4125.6	1068.6	217.5
475	10010.0	13718.2	4043.6	1053.3	211.3
476	9247.3	12973.1	3961.2	1037.8	204.9
477	8517.8	12242.5	3880.4	1022.3	198.4
478	7822.6	11526.9	3798.2	1006.7	191.5
479	7160.7	10826.6	3716.7	990.9	184.4
480	6531.9	10141.8	3635.2	975.1	177.1
481	5934.9	9472.7	3554.4	959.2	169.7
482	5370.1	8819.8	3473.1	943.1	161.9
483	4836.2	8183.1	3392.6	927.0	154.0
484	4333.4	7563.1	3311.7	910.8	145.8
485	3860.2	6960.0	3231.9	894.5	137.5
486	3417.2	6374.1	3151.2	878.0	128.8
487	3002.8	5805.7	3071.7	861.5	119.9
488	2616.7	5255.0	2992.3	844.9	110.8
489	2258.3	4722.4	2913.1	828.1	101.5
490	1927.2	4208.2	2834.0	811.3	91.9
491	1622.4	3712.6	2755.5	794.4	82.0
492	1343.4	3235.9	2677.2	777.3	72.0
493	1089.3	2778.5	2599.3	760.2	61.7

494	811.1	2339.3	2570.5	744.1	51.9
495	563.1	1913.7	2503.9	732.1	44.4
496	363.1	1502.1	2420.5	720.0	36.8
497	208.9	1104.7	2338.8	707.8	28.9
498	98.4	721.7	2258.8	695.5	20.9
499	29.5	353.4	2180.4	683.1	12.7
500	0.0	0.0	2103.8	670.5	4.3

Σ			1183677.8	-618339.0	

VERIFICA STABILITA' DEI PENDII

Sezione B-B - Condizione Statica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
Prodotto dei coefficienti sismici : 0.000
Coefficiente sismico verticale : 0.000
Coefficiente riduzione attrito : 1.000
Coefficiente riduzione coesione : 1.000
Coeff. amplific. carichi esercizio : 1.000
Coeff. carichi esercizio per sisma : 1.000
Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
Falda	1	142.200	165.740
Falda	2	151.470	163.300
Falda	3	161.350	161.710
Falda	4	171.350	160.920
Falda	5	181.650	159.580
Falda	6	186.590	158.780
Falda	7	191.220	157.630
Falda	8	220.740	156.960
Falda	9	226.350	156.530
Falda	10	236.230	156.470
Falda	11	241.530	156.100
Falda	12	246.840	156.530
Falda	13	256.470	160.000
Falda	14	262.260	161.650
Falda	15	268.420	161.960
Falda	16	271.900	161.160
Falda	17	277.390	161.100
Falda	18	283.180	160.070
Falda	19	285.310	159.700
Falda	20	287.630	158.300
Falda	21	291.710	158.170
Falda	22	294.700	158.970
Falda	23	297.750	157.810
Falda	24	315.680	155.130
Falda	25	321.290	153.970
Falda	26	335.980	151.220
Falda	27	339.150	150.430
Falda	28	342.080	150.490
Falda	29	353.550	149.030
Falda	30	365.250	146.710
Falda	31	374.950	144.940
Falda	32	378.670	144.450
Falda	33	381.350	143.420
Falda	34	385.560	143.170
Falda	35	406.170	137.560
Falda	36	409.280	136.770
Falda	37	415.250	134.330
Falda	38	430.250	127.080
Falda	39	449.950	119.940
Falda	40	459.580	116.160
Falda	41	464.650	113.480
Falda	42	470.560	111.650
Falda	43	477.330	108.050
Pendio	1	143.630	176.240
Pendio	2	148.430	174.140
Pendio	3	156.260	178.470
Pendio	4	166.250	183.400
Pendio	5	171.110	185.840

Pendio	6	176.630	186.430
Pendio	7	186.230	187.090
Pendio	8	201.220	187.090
Pendio	9	221.600	185.710
Pendio	10	226.330	184.920
Pendio	11	232.440	184.390
Pendio	12	241.520	182.940
Pendio	13	256.500	173.280
Pendio	14	261.500	170.520
Pendio	15	266.360	166.510
Pendio	16	272.350	165.200
Pendio	17	278.330	165.200
Pendio	18	283.060	164.080
Pendio	19	287.140	164.080
Pendio	20	287.990	162.500
Pendio	21	290.160	162.300
Pendio	22	291.020	162.760
Pendio	23	295.030	162.700
Pendio	24	311.390	160.130
Pendio	25	314.020	159.810
Pendio	26	321.390	158.100
Pendio	27	341.440	154.610
Pendio	28	346.370	154.280
Pendio	29	361.160	151.720
Pendio	30	388.370	146.460
Pendio	31	398.760	143.570
Pendio	32	406.190	141.730
Pendio	33	409.340	140.940
Pendio	34	415.130	138.700
Pendio	35	428.010	132.520
Pendio	36	430.050	132.060
Pendio	37	436.100	129.110
Pendio	38	440.040	127.460
Pendio	39	449.770	124.180
Pendio	40	463.640	118.920
Pendio	41	469.030	116.290
Pendio	42	482.830	110.900
2	1	149.390	174.671
2	2	149.390	173.610
2	3	161.310	179.990
2	4	166.430	182.470
2	5	171.130	184.430
2	6	176.410	185.320
2	7	186.380	186.010
2	8	191.180	186.120
2	9	196.460	186.270
2	10	201.260	186.060
2	11	206.430	185.590
2	12	211.390	185.270
2	13	221.470	184.480
2	14	231.390	183.480
2	15	236.300	182.740
2	16	241.470	181.370
2	17	256.460	171.970
2	18	266.220	165.590
2	19	266.220	166.626
3	1	150.170	174.027
3	2	150.170	173.250
3	3	165.490	168.280
3	4	169.030	167.310
3	5	171.250	166.700
3	6	176.620	165.130
3	7	186.420	161.660
3	8	191.500	159.830
3	9	199.270	159.120
3	10	218.090	159.080
3	11	221.280	158.690
3	12	231.840	158.760
3	13	235.520	158.330
3	14	241.540	158.330
3	15	246.010	158.650

3	16	251.740	161.010
3	17	261.400	163.800
3	18	265.550	165.020
3	19	265.550	166.028
4	1	146.530	174.971
4	2	146.530	173.560
4	3	156.230	170.110
4	4	161.340	168.680
4	5	166.330	166.870
4	6	169.080	166.300
4	7	171.150	165.700
4	8	181.420	162.430
4	9	191.350	158.750
4	10	199.410	158.120
4	11	217.600	158.060
4	12	221.440	157.520
4	13	235.880	157.610
4	14	241.500	157.350
4	15	246.440	157.630
4	16	251.710	159.930
4	17	256.510	161.310
4	18	266.090	164.380
4	19	268.610	165.500
4	20	268.610	166.018
5	1	266.630	164.620
5	2	266.630	164.090
5	3	268.570	162.610
5	4	286.080	162.582
5	5	286.080	164.080
6	1	147.230	173.311
6	2	147.230	158.320
6	3	161.310	156.790
6	4	171.540	155.930
6	5	181.630	155.400
6	6	191.790	154.530
6	7	199.030	153.870
6	8	216.300	153.670
6	9	219.020	153.470
6	10	231.370	153.410
6	11	233.430	153.210
6	12	245.850	153.010
6	13	248.310	153.540
6	14	251.820	153.540
6	15	254.350	152.940
6	16	257.870	154.000
6	17	267.030	153.870
6	18	271.220	153.070
6	19	277.860	153.210
6	20	279.920	152.340
6	21	283.500	152.410
6	22	286.080	150.824
6	23	286.080	162.582
7	1	286.080	150.824
7	2	286.080	146.080
7	3	286.700	146.080
7	4	286.700	164.080
8	1	286.700	164.080
8	2	286.700	162.581
8	3	287.540	162.580
8	4	287.540	163.336
9	1	286.700	164.080
9	2	286.700	150.516
9	3	287.490	150.220
9	4	291.140	150.280
9	5	291.870	150.680
9	6	294.060	150.750
9	7	299.310	149.490
9	8	303.690	149.420
9	9	308.340	148.230
9	10	311.530	148.030
9	11	317.170	146.630

9	12	321.090	146.370
9	13	324.340	145.170
9	14	328.200	144.910
9	15	334.970	143.250
9	16	336.360	143.050
9	17	341.880	142.250
9	18	346.130	142.050
9	19	354.830	140.460
9	20	376.080	136.670
9	21	385.640	134.680
9	22	395.200	132.020
9	23	402.770	130.230
9	24	409.550	128.040
9	25	412.930	126.840
9	26	419.510	123.190
9	27	430.130	118.670
9	28	440.030	114.820
9	29	446.470	112.830
9	30	448.400	111.830
9	31	453.380	109.710
9	32	453.380	122.811

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
6	Fila 3	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.40
8	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
9	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	322.99	321.97	173.57
2	336.81	340.85	194.70
3	327.95	358.99	210.76
4	329.24	349.96	202.36
5	341.46	374.17	228.16
6	332.97	344.26	197.72
7	355.67	428.41	284.91
8	366.88	458.78	316.59
9	344.56	343.15	199.24
10	309.34	344.46	193.54
11	312.43	345.10	194.84
12	329.97	377.76	230.46

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di Janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	322.99	321.97	173.57	1.853	1
2	336.81	340.85	194.70	1.799	1
3	327.95	358.99	210.76	1.771	1
4	329.24	349.96	202.36	1.758	1
5	341.46	374.17	228.16	1.793	1
6	332.97	344.26	197.72	1.747	1
7	355.67	428.41	284.91	1.644	1
8	366.88	458.78	316.59	1.742	1
9	344.56	343.15	199.24	1.779	1
10	309.34	344.46	193.54	1.756	1
11	312.43	345.10	194.84	1.748	1
12	329.97	377.76	230.46	1.743	1

CERCHIO CRITICO N° 7

Larghezza del concio.....=0.373
Situazione di carico numero 1
Coefficiente di sicurezza F =1.644
Coefficiente di forma =0.08628
Coefficiente F/Fo =1.04012
Numero iterazioni = 1
Precisione =0.00499

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-31.98	0.440	0.120	19.6	73.6	0.0
2	-31.89	0.439	0.120	19.6	220.5	0.0
3	-31.80	0.439	0.120	19.6	366.8	0.0
4	-31.72	0.438	0.120	19.6	512.5	0.0
5	-31.63	0.438	0.120	19.6	657.6	0.0
6	-31.54	0.438	0.120	19.6	802.2	0.0
7	-31.45	0.437	0.008	19.6	903.7	0.0
8	-31.36	0.437	0.008	19.6	1001.6	0.0
9	-31.28	0.436	0.008	19.6	1099.2	0.0
10	-31.19	0.436	0.008	19.6	1196.3	0.0
11	-31.10	0.436	0.008	19.6	1293.1	0.0
12	-31.01	0.435	0.008	19.6	1389.4	0.0
13	-30.93	0.435	0.008	19.6	1485.5	0.0
14	-30.84	0.434	0.008	19.6	1581.1	0.0
15	-30.75	0.434	0.008	19.6	1676.4	0.0
16	-30.66	0.434	0.008	19.6	1771.3	0.0
17	-30.58	0.433	0.008	19.6	1865.8	0.0
18	-30.49	0.433	0.008	19.6	1959.9	0.0
19	-30.40	0.432	0.008	19.6	2054.0	0.0
20	-30.32	0.432	0.008	19.6	2148.6	0.0
21	-30.23	0.432	0.008	19.6	2242.8	0.0
22	-30.14	0.431	0.008	19.6	2336.6	0.0
23	-30.06	0.431	0.008	19.6	2430.0	0.0
24	-29.97	0.431	0.008	19.6	2523.1	0.0
25	-29.88	0.430	0.008	19.6	2615.9	0.0
26	-29.79	0.430	0.008	19.6	2708.3	0.0
27	-29.71	0.429	0.008	19.6	2800.3	0.0
28	-29.62	0.429	0.008	19.6	2891.9	0.0
29	-29.54	0.429	0.008	19.6	2983.2	0.0
30	-29.45	0.428	0.008	19.6	3074.1	0.0
31	-29.37	0.428	0.008	19.6	3164.7	0.0
32	-29.28	0.428	0.008	19.6	3254.9	0.0
33	-29.19	0.427	0.008	19.6	3344.7	0.0
34	-29.11	0.427	0.008	19.6	3434.3	0.0
35	-29.02	0.427	0.008	19.6	3523.4	0.0
36	-28.93	0.426	0.008	19.6	3612.2	0.0
37	-28.85	0.426	0.008	19.6	3700.6	0.0

38	-28.76	0.425	0.008	19.6	3788.7	0.0
39	-28.68	0.425	0.008	19.6	3876.4	0.0
40	-28.59	0.425	0.008	19.6	3963.8	0.0
41	-28.51	0.424	0.008	19.6	4050.9	0.0
42	-28.42	0.424	0.008	19.6	4137.5	0.0
43	-28.34	0.424	0.008	19.6	4223.9	0.0
44	-28.25	0.423	0.008	19.6	4309.9	0.0
45	-28.17	0.423	0.008	19.6	4395.5	0.0
46	-28.08	0.423	0.008	19.6	4481.2	0.0
47	-28.00	0.422	0.008	19.6	4544.9	0.0
48	-27.91	0.422	0.008	19.6	4605.1	0.0
49	-27.83	0.422	0.008	19.6	4665.0	0.0
50	-27.74	0.421	0.008	19.6	4724.6	0.0
51	-27.66	0.421	0.008	19.6	4783.8	0.0
52	-27.57	0.421	0.008	19.6	4842.6	0.0
53	-27.49	0.420	0.008	19.6	4901.2	0.0
54	-27.40	0.420	0.008	19.6	4959.3	0.0
55	-27.32	0.420	0.008	19.6	5017.2	0.0
56	-27.24	0.419	0.008	19.6	5074.7	0.0
57	-27.15	0.419	0.008	19.6	5131.9	0.0
58	-27.07	0.419	0.008	19.6	5188.7	0.0
59	-26.98	0.419	0.008	19.6	5249.5	0.0
60	-26.90	0.418	0.008	19.6	5326.9	0.0
61	-26.81	0.418	0.008	19.6	5403.9	0.0
62	-26.73	0.418	0.008	19.6	5480.7	0.0
63	-26.65	0.417	0.008	19.6	5557.0	0.0
64	-26.56	0.417	0.008	19.6	5633.1	0.0
65	-26.48	0.417	0.008	19.6	5708.8	0.0
66	-26.40	0.416	0.008	19.6	5784.2	0.0
67	-26.31	0.416	0.008	19.6	5859.3	0.0
68	-26.23	0.416	0.008	19.6	5934.0	0.0
69	-26.14	0.415	0.008	19.6	6008.4	0.0
70	-26.06	0.415	0.008	19.6	6082.5	0.0
71	-25.98	0.415	0.008	19.6	6156.3	0.0
72	-25.89	0.415	0.008	19.6	6229.7	0.0
73	-25.81	0.414	0.008	19.6	6305.4	0.0
74	-25.73	0.414	0.008	19.6	6382.4	0.0
75	-25.64	0.414	0.008	19.6	6459.0	0.0
76	-25.56	0.413	0.008	19.6	6519.5	0.0
77	-25.48	0.413	0.008	19.6	6576.2	0.0
78	-25.39	0.413	0.008	19.6	6632.6	0.0
79	-25.31	0.413	0.008	19.6	6688.7	0.0
80	-25.23	0.412	0.008	19.6	6744.4	0.0
81	-25.15	0.412	0.008	19.6	6799.8	0.0
82	-25.06	0.412	0.008	19.6	6854.9	0.0
83	-24.98	0.411	0.008	19.6	6909.7	0.0
84	-24.90	0.411	0.008	19.6	6964.1	0.0
85	-24.81	0.411	0.008	19.6	7018.3	0.0
86	-24.73	0.411	0.008	19.6	7076.6	0.0
87	-24.65	0.410	0.008	19.6	7139.6	0.0
88	-24.57	0.410	0.008	19.6	7202.4	0.0
89	-24.48	0.410	0.008	19.6	7264.8	0.0
90	-24.40	0.410	0.008	19.6	7326.9	0.0
91	-24.32	0.409	0.008	19.6	7388.7	0.0
92	-24.24	0.409	0.008	19.6	7450.1	0.0
93	-24.16	0.409	0.008	19.6	7511.3	0.0
94	-24.07	0.408	0.008	19.6	7572.2	0.0
95	-23.99	0.408	0.008	19.6	7632.7	0.0
96	-23.91	0.408	0.008	19.6	7692.9	0.0
97	-23.83	0.408	0.008	19.6	7752.9	0.0
98	-23.74	0.407	0.008	19.6	7812.5	0.0
99	-23.66	0.407	0.008	19.6	7871.8	0.0
100	-23.58	0.407	0.008	19.6	7888.5	0.0
101	-23.50	0.407	0.008	19.6	7849.2	0.0
102	-23.42	0.406	0.008	19.6	7809.6	0.0
103	-23.33	0.406	0.008	19.6	7769.6	0.0
104	-23.26	0.406	0.008	19.6	7729.4	0.0
105	-23.17	0.406	0.008	19.6	7688.9	0.0
106	-23.09	0.405	0.008	19.6	7648.0	0.0
107	-23.01	0.405	0.008	19.6	7606.9	0.0
108	-22.93	0.405	0.008	19.6	7565.4	0.0

109	-22.85	0.405	0.008	19.6	7523.7	0.0
110	-22.77	0.404	0.008	19.6	7481.6	0.0
111	-22.68	0.404	0.008	19.6	7439.2	0.0
112	-22.60	0.404	0.008	19.6	7396.6	0.0
113	-22.52	0.404	0.008	19.6	7353.6	0.0
114	-22.44	0.404	0.008	19.6	7310.4	0.0
115	-22.36	0.403	0.008	19.6	7266.8	0.0
116	-22.28	0.403	0.008	19.6	7222.9	0.0
117	-22.20	0.403	0.008	19.6	7178.8	0.0
118	-22.11	0.403	0.008	19.6	7134.3	0.0
119	-22.04	0.402	0.008	19.6	7089.6	0.0
120	-21.96	0.402	0.008	19.6	7044.5	0.0
121	-21.87	0.402	0.008	19.6	6999.2	0.0
122	-21.79	0.402	0.008	19.6	6953.5	0.0
123	-21.71	0.401	0.008	19.6	6907.6	0.0
124	-21.63	0.401	0.008	19.6	6861.3	0.0
125	-21.55	0.401	0.008	19.6	6814.8	0.0
126	-21.47	0.401	0.008	19.6	6768.0	0.0
127	-21.39	0.401	0.008	19.6	6720.9	0.0
128	-21.31	0.400	0.008	19.6	6673.4	0.0
129	-21.23	0.400	0.008	19.6	6625.7	0.0
130	-21.15	0.400	0.008	19.6	6577.7	0.0
131	-21.07	0.400	0.008	19.6	6529.4	0.0
132	-20.99	0.399	0.008	19.6	6480.9	0.0
133	-20.91	0.399	0.008	19.6	6432.0	0.0
134	-20.83	0.399	0.008	19.6	6382.8	0.0
135	-20.75	0.399	0.008	19.6	6333.4	0.0
136	-20.67	0.399	0.000	11.3	6317.5	0.0
137	-20.59	0.398	0.000	11.3	6323.0	0.0
138	-20.50	0.398	0.000	11.3	6328.1	0.0
139	-20.43	0.398	0.000	11.3	6332.7	0.0
140	-20.35	0.398	0.200	15.0	6345.4	0.0
141	-20.27	0.398	0.200	15.0	6376.0	0.0
142	-20.18	0.397	0.200	15.0	6406.1	0.0
143	-20.11	0.397	0.200	15.0	6435.8	0.0
144	-20.03	0.397	0.200	15.0	6465.2	0.0
145	-19.95	0.397	0.200	15.0	6494.1	0.0
146	-19.87	0.397	0.200	15.0	6555.4	0.0
147	-19.79	0.396	0.200	15.0	6619.4	0.0
148	-19.71	0.396	0.200	15.0	6682.9	0.0
149	-19.63	0.396	0.200	15.0	6745.8	0.0
150	-19.55	0.396	0.200	15.0	6808.3	0.0
151	-19.47	0.396	0.200	15.0	6870.3	0.0
152	-19.39	0.395	0.200	15.0	6931.8	0.0
153	-19.31	0.395	0.200	15.0	6992.8	0.0
154	-19.23	0.395	0.200	15.0	6988.7	0.0
155	-19.15	0.395	0.200	15.0	6976.9	0.0
156	-19.07	0.395	0.200	15.0	6953.4	0.0
157	-18.99	0.394	0.200	15.0	6927.6	0.0
158	-18.91	0.394	0.200	15.0	6901.2	0.0
159	-18.83	0.394	0.200	15.0	6874.4	0.0
160	-18.76	0.394	0.200	15.0	6847.1	0.0
161	-18.68	0.394	0.200	15.0	6819.3	0.0
162	-18.60	0.394	0.200	15.0	6791.0	0.0
163	-18.52	0.393	0.200	15.0	6762.2	0.0
164	-18.44	0.393	0.200	15.0	6955.2	0.0
165	-18.36	0.393	0.200	15.0	6846.4	0.0
166	-18.28	0.393	0.200	15.0	6737.0	0.0
167	-18.20	0.393	0.200	15.0	6766.6	0.0
168	-18.12	0.392	0.200	15.0	6816.6	0.0
169	-18.04	0.392	0.200	15.0	6866.0	0.0
170	-17.96	0.392	0.200	15.0	6915.0	0.0
171	-17.88	0.392	0.200	15.0	6963.5	0.0
172	-17.81	0.392	0.200	15.0	7006.1	0.0
173	-17.73	0.392	0.200	15.0	7038.0	0.0
174	-17.65	0.391	0.200	15.0	7069.4	0.0
175	-17.57	0.391	0.200	15.0	7100.4	0.0
176	-17.49	0.391	0.200	15.0	7130.9	0.0
177	-17.41	0.391	0.200	15.0	7160.8	0.0
178	-17.33	0.391	0.200	15.0	7190.3	0.0
179	-17.25	0.391	0.200	15.0	7219.4	0.0

180	-17.18	0.390	0.200	15.0	7247.9	0.0
181	-17.10	0.390	0.200	15.0	7276.2	0.0
182	-17.02	0.390	0.200	15.0	7315.9	0.0
183	-16.94	0.390	0.200	15.0	7402.0	0.0
184	-16.86	0.390	0.200	15.0	7498.6	0.0
185	-16.78	0.390	0.200	15.0	7594.7	0.0
186	-16.71	0.389	0.200	15.0	7690.4	0.0
187	-16.63	0.389	0.200	15.0	7785.6	0.0
188	-16.55	0.389	0.200	15.0	7880.3	0.0
189	-16.47	0.389	0.200	15.0	7974.5	0.0
190	-16.39	0.389	0.200	15.0	8068.2	0.0
191	-16.32	0.389	0.200	15.0	8161.5	0.0
192	-16.24	0.388	0.200	15.0	8254.3	0.0
193	-16.16	0.388	0.200	15.0	8346.6	0.0
194	-16.08	0.388	0.200	15.0	8438.5	0.0
195	-16.00	0.388	0.200	15.0	8529.9	0.0
196	-15.92	0.388	0.200	15.0	8618.0	0.0
197	-15.85	0.388	0.200	15.0	8699.2	0.0
198	-15.77	0.388	0.200	15.0	8779.8	0.0
199	-15.69	0.387	0.200	15.0	8811.5	0.0
200	-15.61	0.387	0.200	15.0	8828.7	0.0
201	-15.53	0.387	0.200	15.0	8845.4	0.0
202	-15.46	0.387	0.200	15.0	8861.6	0.0
203	-15.38	0.387	0.200	15.0	8877.4	0.0
204	-15.30	0.387	0.200	15.0	8892.6	0.0
205	-15.22	0.387	0.200	15.0	8907.5	0.0
206	-15.15	0.386	0.200	15.0	8921.8	0.0
207	-15.07	0.386	0.200	15.0	8935.7	0.0
208	-14.99	0.386	0.200	15.0	8949.2	0.0
209	-14.91	0.386	0.200	15.0	8962.1	0.0
210	-14.84	0.386	0.200	15.0	8974.6	0.0
211	-14.76	0.386	0.200	15.0	8992.5	0.0
212	-14.68	0.386	0.200	15.0	9066.8	0.0
213	-14.60	0.385	0.200	15.0	9140.7	0.0
214	-14.52	0.385	0.200	15.0	9214.2	0.0
215	-14.45	0.385	0.200	15.0	9287.1	0.0
216	-14.37	0.385	0.200	15.0	9359.7	0.0
217	-14.29	0.385	0.200	15.0	9430.3	0.0
218	-14.21	0.385	0.200	15.0	9478.0	0.0
219	-14.14	0.385	0.200	15.0	9525.3	0.0
220	-14.06	0.385	18.300	0.0	13826.4	0.0
221	-13.98	0.384	0.200	15.0	9618.4	0.0
222	-13.91	0.384	0.200	15.0	9588.9	0.0
223	-13.83	0.384	0.200	15.0	9143.0	0.0
224	-13.75	0.384	0.200	15.0	8723.4	0.0
225	-13.68	0.384	0.200	15.0	8716.7	0.0
226	-13.60	0.384	0.200	15.0	8768.2	0.0
227	-13.52	0.384	0.200	15.0	8819.2	0.0
228	-13.44	0.383	0.200	15.0	8869.8	0.0
229	-13.37	0.383	0.200	15.0	8919.9	0.0
230	-13.29	0.383	0.200	15.0	8978.8	0.0
231	-13.21	0.383	0.200	15.0	9193.7	0.0
232	-13.13	0.383	0.200	15.0	9408.2	0.0
233	-13.06	0.383	0.200	15.0	9513.2	0.0
234	-12.98	0.383	0.200	15.0	9581.5	0.0
235	-12.90	0.383	0.200	15.0	9664.3	0.0
236	-12.83	0.383	0.176	14.5	9748.3	0.0
237	-12.75	0.382	0.176	14.5	9831.8	0.0
238	-12.67	0.382	0.176	14.5	9914.9	0.0
239	-12.60	0.382	0.176	14.5	9997.6	0.0
240	-12.52	0.382	0.176	14.5	10079.8	0.0
241	-12.44	0.382	0.176	14.5	10161.5	0.0
242	-12.37	0.382	0.176	14.5	10242.8	0.0
243	-12.29	0.382	0.176	14.5	10291.8	0.0
244	-12.21	0.382	0.176	14.5	10298.7	0.0
245	-12.14	0.382	0.176	14.5	10305.0	0.0
246	-12.06	0.381	0.176	14.5	10310.9	0.0
247	-11.98	0.381	0.176	14.5	10316.4	0.0
248	-11.91	0.381	0.176	14.5	10321.4	0.0
249	-11.83	0.381	0.176	14.5	10325.9	0.0
250	-11.75	0.381	0.176	14.5	10330.0	0.0

251	-11.68	0.381	0.176	14.5	10342.7	0.0
252	-11.60	0.381	0.176	14.5	10358.8	0.0
253	-11.52	0.381	0.176	14.5	10374.4	0.0
254	-11.45	0.381	0.176	14.5	10389.6	0.0
255	-11.37	0.380	0.176	14.5	10404.3	0.0
256	-11.29	0.380	0.176	14.5	10418.6	0.0
257	-11.22	0.380	0.176	14.5	10432.4	0.0
258	-11.14	0.380	0.176	14.5	10445.8	0.0
259	-11.06	0.380	0.176	14.5	10458.8	0.0
260	-10.99	0.380	0.176	14.5	10471.3	0.0
261	-10.91	0.380	0.176	14.5	10483.3	0.0
262	-10.83	0.380	0.176	14.5	10494.9	0.0
263	-10.76	0.380	0.176	14.5	10506.1	0.0
264	-10.68	0.380	0.176	14.5	10516.8	0.0
265	-10.61	0.379	0.176	14.5	10527.1	0.0
266	-10.53	0.379	0.176	14.5	10537.0	0.0
267	-10.45	0.379	0.176	14.5	10546.4	0.0
268	-10.38	0.379	0.176	14.5	10555.4	0.0
269	-10.30	0.379	0.176	14.5	10563.9	0.0
270	-10.22	0.379	0.176	14.5	10572.0	0.0
271	-10.15	0.379	0.176	14.5	10579.7	0.0
272	-10.07	0.379	0.176	14.5	10586.9	0.0
273	-10.00	0.379	0.176	14.5	10593.6	0.0
274	-9.92	0.379	0.176	14.5	10600.0	0.0
275	-9.84	0.379	0.176	14.5	10605.9	0.0
276	-9.77	0.378	0.176	14.5	10611.3	0.0
277	-9.69	0.378	0.176	14.5	10616.4	0.0
278	-9.62	0.378	0.176	14.5	10620.9	0.0
279	-9.54	0.378	0.176	14.5	10625.1	0.0
280	-9.46	0.378	0.176	14.5	10628.8	0.0
281	-9.39	0.378	0.176	14.5	10632.1	0.0
282	-9.31	0.378	0.176	14.5	10634.9	0.0
283	-9.24	0.378	0.176	14.5	10637.3	0.0
284	-9.16	0.378	0.176	14.5	10639.3	0.0
285	-9.08	0.378	0.176	14.5	10640.8	0.0
286	-9.01	0.378	0.176	14.5	10641.9	0.0
287	-8.93	0.378	0.176	14.5	10643.8	0.0
288	-8.85	0.377	0.176	14.5	10653.4	0.0
289	-8.78	0.377	0.176	14.5	10662.6	0.0
290	-8.70	0.377	0.176	14.5	10671.3	0.0
291	-8.63	0.377	0.176	14.5	10679.6	0.0
292	-8.55	0.377	0.176	14.5	10687.4	0.0
293	-8.48	0.377	0.176	14.5	10694.8	0.0
294	-8.40	0.377	0.176	14.5	10699.4	0.0
295	-8.32	0.377	0.176	14.5	10676.8	0.0
296	-8.25	0.377	0.176	14.5	10653.8	0.0
297	-8.17	0.377	0.176	14.5	10630.3	0.0
298	-8.10	0.377	0.176	14.5	10606.4	0.0
299	-8.02	0.377	0.176	14.5	10580.1	0.0
300	-7.95	0.377	0.176	14.5	10552.1	0.0
301	-7.87	0.377	0.176	14.5	10523.7	0.0
302	-7.79	0.376	0.176	14.5	10494.9	0.0
303	-7.72	0.376	0.176	14.5	10465.7	0.0
304	-7.64	0.376	0.176	14.5	10436.0	0.0
305	-7.57	0.376	0.176	14.5	10405.9	0.0
306	-7.49	0.376	0.176	14.5	10375.4	0.0
307	-7.41	0.376	0.176	14.5	10344.4	0.0
308	-7.34	0.376	0.176	14.5	10313.0	0.0
309	-7.26	0.376	0.176	14.5	10281.2	0.0
310	-7.19	0.376	0.176	14.5	10248.9	0.0
311	-7.11	0.376	0.176	14.5	10216.2	0.0
312	-7.04	0.376	0.176	14.5	10183.1	0.0
313	-6.96	0.376	0.176	14.5	10149.6	0.0
314	-6.89	0.376	0.176	14.5	10121.1	0.0
315	-6.81	0.376	0.176	14.5	10103.1	0.0
316	-6.74	0.376	0.176	14.5	10084.7	0.0
317	-6.66	0.376	0.176	14.5	10065.9	0.0
318	-6.59	0.375	0.176	14.5	10046.6	0.0
319	-6.51	0.375	0.176	14.5	10026.9	0.0
320	-6.43	0.375	0.176	14.5	10006.8	0.0
321	-6.36	0.375	0.200	15.0	9986.2	0.0

322	-6.28	0.375	0.200	15.0	9965.2	0.0
323	-6.21	0.375	0.200	15.0	9943.8	0.0
324	-6.13	0.375	0.200	15.0	9922.0	0.0
325	-6.06	0.375	0.200	15.0	9899.7	0.0
326	-5.98	0.375	0.176	14.5	9877.0	0.0
327	-5.90	0.375	0.176	14.5	9853.9	0.0
328	-5.83	0.375	0.176	14.5	9830.4	0.0
329	-5.75	0.375	0.176	14.5	9806.4	0.0
330	-5.68	0.375	0.176	14.5	9782.0	0.0
331	-5.61	0.375	0.176	14.5	9757.2	0.0
332	-5.53	0.375	0.176	14.5	9732.0	0.0
333	-5.45	0.375	0.176	14.5	9706.3	0.0
334	-5.38	0.375	0.200	15.0	9680.2	0.0
335	-5.30	0.375	0.200	15.0	9653.7	0.0
336	-5.23	0.375	0.200	15.0	9626.8	0.0
337	-5.15	0.374	0.200	15.0	9599.4	0.0
338	-5.08	0.374	0.200	15.0	9571.6	0.0
339	-5.00	0.374	0.200	15.0	9543.4	0.0
340	-4.93	0.374	0.200	15.0	9514.8	0.0
341	-4.85	0.374	0.200	15.0	9485.7	0.0
342	-4.78	0.374	0.200	15.0	9456.3	0.0
343	-4.70	0.374	0.200	15.0	9426.3	0.0
344	-4.63	0.374	0.200	15.0	9396.0	0.0
345	-4.55	0.374	0.200	15.0	9365.3	0.0
346	-4.47	0.374	0.200	15.0	9334.1	0.0
347	-4.40	0.374	0.200	15.0	9302.5	0.0
348	-4.32	0.374	0.200	15.0	9270.5	0.0
349	-4.25	0.374	0.200	15.0	9238.0	0.0
350	-4.17	0.374	0.200	15.0	9205.2	0.0
351	-4.10	0.374	0.200	15.0	9171.9	0.0
352	-4.02	0.374	0.200	15.0	9138.2	0.0
353	-3.95	0.374	0.200	15.0	9103.4	0.0
354	-3.87	0.374	0.200	15.0	9065.4	0.0
355	-3.80	0.374	0.200	15.0	9027.0	0.0
356	-3.72	0.374	0.200	15.0	8988.1	0.0
357	-3.65	0.374	0.200	15.0	8948.9	0.0
358	-3.57	0.374	0.200	15.0	8909.2	0.0
359	-3.50	0.374	0.200	15.0	8869.1	0.0
360	-3.42	0.374	0.200	15.0	8828.5	0.0
361	-3.35	0.374	0.200	15.0	8787.6	0.0
362	-3.27	0.374	0.200	15.0	8756.7	0.0
363	-3.20	0.374	0.200	15.0	8729.9	0.0
364	-3.12	0.374	0.200	15.0	8702.7	0.0
365	-3.05	0.374	0.200	15.0	8675.1	0.0
366	-2.97	0.373	0.200	15.0	8647.1	0.0
367	-2.90	0.373	0.200	15.0	8618.6	0.0
368	-2.82	0.373	0.200	15.0	8605.6	0.0
369	-2.75	0.373	0.200	15.0	8604.6	0.0
370	-2.67	0.373	0.200	15.0	8596.2	0.0
371	-2.60	0.373	0.200	15.0	8586.2	0.0
372	-2.52	0.373	0.200	15.0	8575.7	0.0
373	-2.45	0.373	0.200	15.0	8564.8	0.0
374	-2.37	0.373	0.200	15.0	8553.5	0.0
375	-2.30	0.373	0.200	15.0	8541.8	0.0
376	-2.22	0.373	0.200	15.0	8529.6	0.0
377	-2.14	0.373	0.200	15.0	8517.0	0.0
378	-2.07	0.373	0.200	15.0	8504.0	0.0
379	-2.00	0.373	0.200	15.0	8490.6	0.0
380	-1.92	0.373	0.200	15.0	8476.8	0.0
381	-1.85	0.373	0.200	15.0	8452.9	0.0
382	-1.77	0.373	0.200	15.0	8410.2	0.0
383	-1.69	0.373	0.200	15.0	8367.0	0.0
384	-1.62	0.373	0.200	15.0	8323.5	0.0
385	-1.54	0.373	0.200	15.0	8279.5	0.0
386	-1.47	0.373	0.200	15.0	8235.1	0.0
387	-1.40	0.373	0.200	15.0	8190.2	0.0
388	-1.32	0.373	0.200	15.0	8145.0	0.0
389	-1.24	0.373	0.200	15.0	8099.3	0.0
390	-1.17	0.373	0.200	15.0	8053.2	0.0
391	-1.10	0.373	0.200	15.0	8006.7	0.0
392	-1.02	0.373	0.200	15.0	7959.8	0.0

393	-0.94	0.373	0.200	15.0	7912.5	0.0
394	-0.87	0.373	0.200	15.0	7864.7	0.0
395	-0.79	0.373	0.200	15.0	7816.5	0.0
396	-0.72	0.373	0.200	15.0	7767.9	0.0
397	-0.65	0.373	0.200	15.0	7718.9	0.0
398	-0.57	0.373	0.200	15.0	7669.5	0.0
399	-0.49	0.373	0.200	15.0	7619.6	0.0
400	-0.42	0.373	0.200	15.0	7569.0	0.0
401	-0.34	0.373	0.200	15.0	7514.4	0.0
402	-0.27	0.373	0.200	15.0	7459.3	0.0
403	-0.20	0.373	0.200	15.0	7403.8	0.0
404	-0.12	0.373	0.200	15.0	7347.9	0.0
405	-0.04	0.373	0.200	15.0	7291.6	0.0
406	0.03	0.373	0.200	15.0	7234.8	0.0
407	0.11	0.373	0.200	15.0	7177.7	0.0
408	0.18	0.373	0.200	15.0	7120.1	0.0
409	0.25	0.373	0.200	15.0	7062.1	0.0
410	0.33	0.373	0.200	15.0	7003.7	0.0
411	0.41	0.373	0.200	15.0	6944.9	0.0
412	0.48	0.373	0.200	15.0	6885.6	0.0
413	0.56	0.373	0.200	15.0	6826.0	0.0
414	0.63	0.373	0.200	15.0	6765.9	0.0
415	0.71	0.373	0.200	15.0	6705.4	0.0
416	0.78	0.373	0.200	15.0	6644.4	0.0
417	0.86	0.373	0.200	15.0	6583.1	0.0
418	0.93	0.373	0.200	15.0	6521.4	0.0
419	1.01	0.373	0.200	15.0	6459.2	0.0
420	1.08	0.373	0.200	15.0	6396.6	0.0
421	1.16	0.373	0.200	15.0	6329.9	0.0
422	1.23	0.373	0.200	15.0	6261.1	0.0
423	1.31	0.373	0.200	15.0	6191.9	0.0
424	1.38	0.373	0.200	15.0	6122.3	0.0
425	1.46	0.373	0.200	15.0	6052.2	0.0
426	1.53	0.373	0.200	15.0	5981.8	0.0
427	1.61	0.373	0.200	15.0	5910.9	0.0
428	1.68	0.373	0.200	15.0	5839.6	0.0
429	1.76	0.373	0.200	15.0	5767.9	0.0
430	1.83	0.373	0.200	15.0	5695.7	0.0
431	1.90	0.373	0.200	15.0	5623.2	0.0
432	1.98	0.373	0.200	15.0	5550.8	0.0
433	2.05	0.373	0.200	15.0	5478.3	0.0
434	2.13	0.373	0.200	15.0	5405.4	0.0
435	2.21	0.373	0.200	15.0	5332.0	0.0
436	2.28	0.373	0.200	15.0	5258.3	0.0
437	2.36	0.373	0.200	15.0	5184.1	0.0
438	2.43	0.373	0.200	15.0	5109.4	0.0
439	2.51	0.373	0.200	15.0	5034.4	0.0
440	2.58	0.373	0.200	15.0	4959.0	0.0
441	2.66	0.373	0.200	15.0	4883.1	0.0
442	2.73	0.373	0.200	15.0	4806.8	0.0
443	2.81	0.373	0.200	15.0	4730.1	0.0
444	2.88	0.373	0.200	15.0	4652.9	0.0
445	2.96	0.373	0.200	15.0	4575.4	0.0
446	3.03	0.374	0.200	15.0	4497.4	0.0
447	3.11	0.374	0.200	15.0	4419.0	0.0
448	3.18	0.374	0.200	15.0	4340.2	0.0
449	3.26	0.374	0.200	15.0	4261.0	0.0
450	3.33	0.374	0.200	15.0	4181.3	0.0
451	3.41	0.374	0.200	15.0	4101.2	0.0
452	3.48	0.374	0.200	15.0	4020.7	0.0
453	3.56	0.374	0.200	15.0	3939.8	0.0
454	3.63	0.374	0.200	15.0	3858.5	0.0
455	3.71	0.374	0.200	15.0	3776.7	0.0
456	3.78	0.374	0.200	15.0	3694.5	0.0
457	3.86	0.374	0.200	15.0	3611.9	0.0
458	3.93	0.374	0.200	15.0	3530.9	0.0
459	4.01	0.374	0.200	15.0	3450.3	0.0
460	4.08	0.374	0.200	15.0	3369.2	0.0
461	4.16	0.374	0.200	15.0	3287.7	0.0
462	4.23	0.374	0.200	15.0	3205.8	0.0
463	4.31	0.374	0.200	15.0	3123.5	0.0

464	4.38	0.374	0.200	15.0	3040.8	0.0
465	4.46	0.374	0.200	15.0	2957.6	0.0
466	4.54	0.374	0.200	15.0	2874.1	0.0
467	4.61	0.374	0.200	15.0	2790.0	0.0
468	4.68	0.374	0.200	15.0	2711.8	0.0
469	4.76	0.374	0.200	15.0	2638.9	0.0
470	4.84	0.374	0.200	15.0	2565.6	0.0
471	4.91	0.374	0.200	15.0	2492.0	0.0
472	4.98	0.374	0.200	15.0	2418.0	0.0
473	5.06	0.374	0.200	15.0	2343.7	0.0
474	5.14	0.374	0.200	15.0	2269.0	0.0
475	5.21	0.375	0.200	15.0	2194.0	0.0
476	5.29	0.375	0.200	15.0	2118.6	0.0
477	5.36	0.375	0.200	15.0	2042.9	0.0
478	5.44	0.375	0.200	15.0	1966.8	0.0
479	5.51	0.375	0.200	15.0	1890.4	0.0
480	5.59	0.375	0.200	15.0	1813.6	0.0
481	5.66	0.375	0.200	15.0	1736.5	0.0
482	5.74	0.375	0.200	15.0	1659.0	0.0
483	5.81	0.375	0.200	15.0	1581.2	0.0
484	5.89	0.375	0.200	15.0	1503.0	0.0
485	5.96	0.375	0.200	15.0	1424.4	0.0
486	6.04	0.375	0.200	15.0	1345.5	0.0
487	6.12	0.375	0.200	15.0	1266.3	0.0
488	6.19	0.375	0.200	15.0	1186.7	0.0
489	6.27	0.375	0.200	15.0	1106.8	0.0
490	6.34	0.375	0.200	15.0	1026.5	0.0
491	6.42	0.375	0.200	15.0	945.8	0.0
492	6.49	0.375	0.200	15.0	864.8	0.0
493	6.57	0.375	0.200	15.0	783.5	0.0
494	6.65	0.376	0.200	15.0	685.4	0.0
495	6.72	0.376	0.200	15.0	580.9	0.0
496	6.80	0.376	0.200	15.0	476.1	0.0
497	6.87	0.376	0.200	15.0	370.9	0.0
498	6.95	0.376	0.200	15.0	265.4	0.0
499	7.02	0.376	0.200	15.0	159.5	0.0
500	7.10	0.376	0.200	15.0	53.3	0.0

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	519.2	2020.5	682.3	600.2	-46.0
2	779.6	1751.7	1023.9	665.5	-137.2
3	636.4	1533.6	1487.3	730.3	-227.4
4	512.0	1365.6	1594.7	794.7	-316.7
5	398.8	1246.9	1708.1	858.6	-405.0
6	289.7	1176.8	1827.2	922.0	-492.4
7	-171.5	1460.2	1221.4	441.6	-552.8
8	-319.2	1775.1	1040.1	484.6	-610.5
9	-509.1	2121.0	1158.4	527.4	-667.7
10	-745.7	2497.6	1280.2	569.9	-724.2
11	-1033.4	2904.2	1405.6	612.1	-780.1
12	-1376.5	3340.5	1534.4	654.0	-835.3
13	-1779.2	3806.1	1666.6	695.6	-889.9
14	-2245.8	4300.5	1802.0	737.0	-944.0
15	-2780.3	4823.2	1940.8	778.1	-997.4
16	-3386.6	5373.9	2082.6	818.9	-1050.2
17	-4068.7	5952.0	2227.6	859.4	-1102.3
18	-4830.4	6557.2	2375.6	899.7	-1154.0
19	-5675.7	7189.1	2527.0	939.8	-1205.2
20	-6609.2	7847.6	2682.9	980.0	-1256.3
21	-7633.6	8532.2	2840.9	1020.0	-1306.8
22	-8752.4	9242.5	3001.6	1059.6	-1356.7
23	-9968.9	9978.1	3165.0	1099.1	-1406.1
24	-11286.8	10738.7	3331.3	1138.3	-1454.9
25	-12709.2	11523.7	3500.0	1177.2	-1503.2
26	-14239.1	12332.7	3671.3	1215.8	-1550.7
27	-15880.1	13165.4	3845.2	1254.3	-1597.9
28	-17634.9	14021.4	4021.3	1292.4	-1644.4

29	-19506.6	14900.2	4199.9	1330.3	-1690.4
30	-21498.0	15801.5	4380.7	1368.0	-1735.8
31	-23611.8	16724.9	4563.6	1405.4	-1780.7
32	-25850.9	17669.8	4748.8	1442.5	-1824.9
33	-28218.0	18636.0	4936.3	1479.5	-1868.7
34	-30715.7	19623.2	5125.6	1516.1	-1912.0
35	-33346.4	20630.7	5316.9	1552.6	-1954.7
36	-36112.6	21658.4	5510.1	1588.8	-1996.9
37	-39016.5	22705.9	5705.2	1624.8	-2038.7
38	-42060.7	23772.7	5902.2	1660.5	-2079.7
39	-45246.7	24858.4	6100.4	1696.0	-2120.3
40	-48578.3	25962.9	6301.5	1731.3	-2160.6
41	-52055.9	27085.5	6503.0	1766.3	-2200.1
42	-55682.3	28225.9	6706.7	1801.1	-2239.2
43	-59459.3	29383.9	6911.7	1835.7	-2277.8
44	-63388.7	30559.0	7118.2	1870.1	-2315.9
45	-67472.2	31750.8	7326.0	1904.2	-2353.5
46	-71284.3	32959.3	7169.7	1938.4	-2391.0
47	-74448.8	34178.0	6672.4	1963.0	-2416.2
48	-77670.0	35405.8	6775.1	1986.3	-2439.5
49	-80954.1	36642.4	6882.7	2009.2	-2462.3
50	-84301.3	37887.7	6990.5	2032.0	-2484.8
51	-87711.1	39141.4	7097.4	2054.7	-2507.2
52	-91182.9	40403.0	7203.8	2077.1	-2528.7
53	-94717.3	41672.4	7310.3	2099.3	-2550.0
54	-98313.1	42949.3	7415.6	2121.3	-2571.0
55	-101971.2	44233.6	7521.5	2143.3	-2591.7
56	-105691.2	45525.0	7626.7	2165.0	-2612.1
57	-109472.0	46822.9	7730.9	2186.4	-2631.7
58	-113314.8	48127.4	7835.9	2207.8	-2651.3
59	-118173.0	49439.4	8764.2	2230.8	-2672.9
60	-123605.8	50762.6	9328.1	2260.6	-2702.2
61	-129182.9	52096.9	9522.1	2290.2	-2731.4
62	-134904.9	53441.9	9716.2	2319.6	-2760.1
63	-140772.2	54797.5	9910.6	2349.0	-2788.5
64	-146784.1	56162.9	10104.3	2377.9	-2816.1
65	-152943.5	57538.2	10300.3	2406.8	-2843.4
66	-159251.3	58923.2	10496.8	2435.6	-2870.8
67	-165704.4	60317.1	10690.7	2464.0	-2897.0
68	-172307.3	61720.2	10888.0	2492.4	-2923.6
69	-179055.9	63131.8	11082.0	2520.5	-2949.1
70	-185954.3	64551.8	11279.2	2548.4	-2974.6
71	-193000.4	65979.7	11474.4	2576.2	-2999.6
72	-200196.1	67415.5	11671.1	2603.8	-3024.1
73	-207548.0	68859.0	11875.8	2632.2	-3049.3
74	-215057.4	70311.1	12082.5	2661.2	-3075.5
75	-222156.5	71770.7	11798.3	2689.9	-3100.5
76	-228108.5	73234.4	10862.3	2712.1	-3118.1
77	-234118.5	74701.1	10965.3	2732.6	-3133.7
78	-240194.2	76170.1	11075.0	2752.8	-3148.3
79	-246338.3	77641.9	11186.5	2773.1	-3163.4
80	-252547.6	79115.7	11295.2	2793.0	-3177.7
81	-258821.9	80591.6	11403.5	2812.9	-3191.8
82	-265161.0	82069.0	11511.4	2832.5	-3205.3
83	-271566.1	83548.2	11620.2	2852.1	-3219.1
84	-278034.1	85028.6	11725.9	2871.5	-3232.2
85	-284564.8	86510.2	11831.4	2890.7	-3245.0
86	-291172.8	87993.7	11953.1	2911.7	-3259.8
87	-297860.8	89479.6	12081.6	2934.4	-3276.0
88	-304618.1	90968.3	12200.3	2957.1	-3292.7
89	-311441.6	92459.1	12316.3	2979.6	-3308.4
90	-318330.4	93951.7	12431.3	3001.9	-3323.8
91	-325284.0	95446.0	12545.7	3024.0	-3339.1
92	-332303.9	96941.9	12661.0	3046.1	-3354.1
93	-339387.5	98439.1	12774.0	3067.9	-3368.7
94	-346532.7	99937.1	12885.0	3089.6	-3382.7
95	-353741.3	101436.1	12997.2	3111.2	-3397.0
96	-361008.9	102935.4	13105.6	3132.5	-3410.2
97	-368341.1	104435.3	13218.5	3153.8	-3423.8
98	-375732.1	105935.2	13326.1	3174.9	-3436.7
99	-383182.1	107434.9	13433.9	3195.8	-3449.2

100	-373360.5	108926.3	-1613.2	3199.7	-3443.4
101	-362437.2	110398.4	-2609.4	3181.1	-3412.7
102	-351052.5	111851.6	-3047.6	3162.4	-3382.4
103	-339211.9	113285.7	-3481.5	3143.6	-3351.7
104	-326927.2	114701.2	-3905.8	3124.8	-3321.7
105	-314200.6	116097.6	-4328.6	3105.8	-3291.1
106	-301047.6	117475.3	-4738.4	3086.8	-3260.8
107	-287469.8	118834.1	-5147.5	3067.7	-3230.2
108	-273478.3	120174.3	-5547.2	3048.5	-3199.9
109	-259081.1	121496.2	-5940.5	3029.4	-3169.9
110	-244285.0	122799.6	-6328.5	3010.0	-3139.6
111	-229100.0	124084.5	-6708.2	2990.7	-3109.4
112	-213528.9	125351.2	-7085.9	2971.2	-3079.1
113	-197584.5	126599.8	-7452.9	2951.7	-3049.2
114	-181272.8	127830.1	-7815.2	2932.1	-3019.0
115	-164601.6	129042.6	-8171.1	2912.4	-2989.1
116	-147578.2	130237.2	-8521.1	2892.7	-2959.3
117	-130210.5	131413.8	-8864.6	2872.8	-2929.1
118	-112507.8	132572.5	-9200.7	2852.9	-2899.0
119	-94472.9	133713.8	-9534.4	2833.0	-2869.5
120	-76116.7	134837.6	-9859.3	2812.9	-2839.8
121	-57444.4	135943.7	-10180.1	2792.8	-2809.7
122	-38466.1	137032.4	-10492.3	2772.6	-2780.0
123	-19188.9	138104.0	-10798.8	2752.4	-2750.6
124	384.3	139158.4	-11103.2	2732.0	-2721.0
125	20238.5	140195.4	-11395.0	2711.5	-2691.1
126	40374.8	141215.5	-11688.1	2691.1	-2661.8
127	60782.9	142219.0	-11972.5	2670.6	-2632.6
128	81454.4	143205.5	-12250.0	2649.9	-2603.1
129	102385.5	144175.3	-12524.7	2629.2	-2573.6
130	123564.6	145128.5	-12789.3	2608.4	-2544.5
131	144988.0	146065.1	-13051.5	2587.6	-2515.1
132	166650.1	146985.5	-13308.9	2566.7	-2486.1
133	188542.6	147889.6	-13559.3	2545.7	-2457.1
134	210657.6	148777.3	-13803.5	2524.6	-2427.8
135	232990.8	149649.3	-14043.9	2503.5	-2399.2
136	249580.2	151158.9	-5262.2	1431.4	-2382.8
137	273651.5	152660.8	-9093.9	1431.4	-2375.1
138	298110.8	154154.2	-9291.9	1431.3	-2366.5
139	322965.0	155639.5	-9493.6	1431.1	-2358.3
140	350772.3	156331.6	-12654.5	2722.5	-2352.9
141	369425.4	157020.8	-6433.3	2729.5	-2354.3
142	388219.1	157706.5	-6509.8	2736.3	-2355.0
143	407156.6	158389.1	-6588.7	2743.1	-2355.9
144	426233.5	159068.0	-6665.0	2749.7	-2356.3
145	445449.0	159743.4	-6741.0	2756.2	-2356.8
146	464648.4	160435.6	-6745.9	2747.9	-2368.6
147	484042.9	161146.6	-6897.4	2738.2	-2381.4
148	503655.5	161876.0	-7064.8	2728.5	-2393.8
149	523490.7	162623.2	-7235.6	2718.6	-2405.6
150	543550.4	163387.9	-7408.0	2708.7	-2417.1
151	563847.2	164170.2	-7589.1	2698.8	-2428.7
152	584377.7	164969.3	-7768.2	2688.7	-2439.3
153	611167.6	165785.2	-12042.9	2678.7	-2449.9
154	647368.1	166606.8	-18505.9	2649.5	-2437.9
155	683926.7	167432.6	-18821.6	2618.2	-2423.0
156	720864.6	168255.5	-19140.7	2591.8	-2404.0
157	758121.8	169074.1	-19417.6	2566.1	-2384.0
158	795682.1	169888.5	-19683.7	2540.5	-2364.2
159	833548.1	170699.0	-19951.8	2514.8	-2344.6
160	871719.6	171505.5	-20219.9	2489.1	-2325.0
161	910180.4	172307.7	-20477.6	2463.3	-2304.9
162	948935.3	173105.6	-20738.8	2437.5	-2284.8
163	987984.9	173899.3	-21000.6	2411.7	-2264.9
164	1027253.4	174722.8	-21059.8	2450.9	-2318.7
165	1067124.6	175529.7	-21586.0	2401.8	-2272.0
166	1094079.5	176319.8	-12896.2	2352.6	-2225.3
167	1098675.0	177114.2	2332.1	2344.3	-2224.5
168	1103295.6	177916.2	2313.6	2342.0	-2230.6
169	1107957.3	178725.4	2284.0	2339.6	-2236.4
170	1112664.6	179541.6	2251.3	2337.1	-2241.9

171	1117411.5	180364.5	2222.4	2334.6	-2247.1
172	1122204.1	181190.7	2194.7	2334.4	-2250.2
173	1127023.4	182014.0	2190.1	2338.5	-2249.8
174	1131824.6	182834.2	2216.1	2342.6	-2249.2
175	1136602.9	183651.0	2245.0	2346.6	-2248.3
176	1141363.2	184464.2	2270.5	2350.5	-2247.1
177	1146094.8	185273.8	2303.2	2354.3	-2245.7
178	1150801.6	186079.4	2332.9	2358.1	-2244.1
179	1155484.2	186880.9	2362.1	2361.8	-2242.2
180	1160137.9	187678.0	2394.3	2365.4	-2240.1
181	1164773.7	188471.4	2418.7	2368.9	-2238.5
182	1165114.0	189266.7	5357.7	2367.0	-2239.3
183	1155911.2	190070.4	11921.8	2378.7	-2254.8
184	1146639.6	190883.4	12009.8	2393.5	-2273.1
185	1137295.2	191705.2	12100.6	2408.1	-2290.8
186	1127885.3	192535.5	12186.1	2422.8	-2308.3
187	1118398.5	193373.8	12279.4	2437.2	-2325.1
188	1108838.6	194220.0	12369.8	2451.7	-2341.8
189	1099197.4	195073.7	12465.8	2466.0	-2358.0
190	1089469.4	195934.2	12565.3	2480.2	-2373.5
191	1079656.0	196801.5	12663.8	2494.4	-2389.0
192	1069752.0	197675.2	12765.8	2508.5	-2404.0
193	1059756.7	198554.9	12867.9	2522.5	-2418.6
194	1049661.4	199440.3	12976.0	2536.4	-2432.7
195	1039466.9	200331.1	13083.4	2550.3	-2446.5
196	1029171.1	201225.0	13195.0	2565.2	-2458.8
197	1018781.7	202118.5	13307.7	2582.8	-2469.1
198	1012652.2	203011.6	10430.3	2600.5	-2479.4
199	1018040.6	203898.1	2531.8	2604.0	-2475.0
200	1023418.0	204777.1	2541.9	2603.5	-2467.2
201	1028766.9	205648.1	2563.9	2602.9	-2458.9
202	1034083.5	206511.3	2588.4	2602.3	-2450.7
203	1039368.1	207366.2	2612.5	2601.6	-2442.0
204	1044617.0	208212.8	2638.9	2600.8	-2433.1
205	1049834.0	209050.7	2662.5	2599.9	-2424.0
206	1055018.1	209880.4	2686.7	2599.0	-2415.1
207	1060166.9	210701.3	2712.4	2598.0	-2405.7
208	1065276.1	211513.2	2740.8	2597.0	-2396.2
209	1070359.0	212316.5	2760.0	2595.9	-2386.8
210	1075399.1	213110.9	2790.2	2594.7	-2377.3
211	1070456.9	213896.9	9671.4	2595.2	-2369.1
212	1058524.9	214679.2	14532.5	2611.6	-2375.4
213	1046465.8	215457.7	14666.0	2628.0	-2381.7
214	1034272.9	216231.8	14803.9	2644.2	-2387.2
215	1021950.9	217001.7	14938.4	2660.4	-2392.8
216	1009498.3	217767.0	15073.9	2676.6	-2398.1
217	996918.1	218526.4	15208.8	2693.2	-2402.3
218	984271.8	219268.4	15324.2	2719.4	-2400.9
219	971443.4	219992.8	15519.6	2745.5	-2399.2
220	1231787.9	177432.8	183000.0	75444.2	-3463.4
221	759067.7	178121.5	333180.2	2797.4	-2395.2
222	820868.1	178786.4	-35861.3	2801.8	-2374.1
223	921390.9	179397.1	-62890.1	2688.2	-2250.6
224	982743.9	179968.6	-36143.6	2563.2	-2135.2
225	978057.5	180532.9	9459.3	2551.9	-2121.0
226	973264.8	181094.1	9550.3	2557.1	-2121.0
227	968405.1	181651.8	9613.9	2562.2	-2120.7
228	963483.1	182205.9	9674.0	2567.3	-2120.2
229	958495.4	182756.1	9736.5	2572.3	-2119.4
230	932287.9	183303.2	24439.8	2579.9	-2120.9
231	888901.1	183856.4	36462.0	2631.6	-2158.5
232	853666.5	184414.9	30956.8	2683.2	-2195.4
233	843509.6	184972.1	13656.2	2703.9	-2206.7
234	833282.8	185525.1	13735.8	2714.3	-2208.8
235	822917.9	186080.9	13846.8	2718.3	-2214.0
236	811869.4	186737.0	13687.4	2563.1	-2219.7
237	801783.5	187396.7	13055.6	2566.2	-2225.1
238	791621.2	188059.1	13119.3	2569.1	-2229.7
239	781378.3	188724.0	13185.8	2572.0	-2234.0
240	771061.6	189391.6	13247.4	2574.9	-2238.3
241	760668.2	190061.4	13310.7	2577.7	-2242.3

242	750188.7	190732.9	13380.5	2580.4	-2245.6
243	744224.7	191391.3	10396.7	2596.0	-2242.0
244	742710.4	192032.0	7434.8	2603.1	-2228.8
245	741105.9	192655.6	7516.5	2610.2	-2215.8
246	739406.4	193261.8	7601.3	2617.1	-2202.7
247	737617.9	193850.6	7682.0	2624.0	-2189.6
248	735738.5	194421.9	7763.7	2630.9	-2176.3
249	733767.1	194975.3	7846.1	2637.6	-2162.4
250	731707.4	195511.2	7925.8	2644.3	-2148.9
251	729527.5	196033.8	8017.7	2647.3	-2137.6
252	727264.5	196544.6	8080.7	2648.6	-2126.5
253	724936.0	197043.3	8131.7	2649.9	-2115.3
254	722540.4	197530.0	8183.7	2651.2	-2103.9
255	720083.0	198004.4	8232.0	2652.3	-2092.4
256	717561.7	198466.5	8281.6	2653.4	-2080.8
257	714976.9	198916.3	8330.7	2654.5	-2069.1
258	712328.8	199353.5	8379.5	2655.5	-2057.2
259	709615.3	199778.2	8429.7	2656.4	-2045.2
260	706842.8	200190.2	8475.3	2657.3	-2033.1
261	704009.0	200589.5	8522.3	2658.1	-2020.8
262	701110.8	200976.0	8571.3	2658.9	-2008.5
263	698157.0	201350.0	8614.1	2659.6	-1996.4
264	695140.7	201710.6	8661.7	2660.2	-1983.4
265	692067.2	202058.6	8705.3	2660.8	-1971.1
266	688934.5	202393.4	8750.2	2661.3	-1958.3
267	685742.6	202715.4	8794.9	2661.8	-1945.8
268	682495.2	203024.2	8837.0	2662.2	-1932.8
269	679192.7	203320.1	8878.7	2662.6	-1920.1
270	675832.8	203602.5	8921.7	2662.9	-1906.9
271	672416.4	203871.9	8964.0	2663.1	-1894.0
272	668946.4	204127.7	9004.3	2663.3	-1880.5
273	665422.3	204370.0	9044.6	2663.4	-1867.0
274	661843.1	204599.0	9085.5	2663.5	-1853.8
275	658212.6	204814.2	9123.7	2663.5	-1840.1
276	654531.6	205016.2	9161.2	2663.5	-1826.7
277	650799.9	205204.7	9198.7	2663.4	-1813.3
278	647016.3	205379.3	9236.8	2663.2	-1799.3
279	643181.2	205540.4	9274.6	2663.0	-1785.6
280	639298.3	205687.5	9309.6	2662.7	-1771.5
281	635368.5	205821.0	9343.9	2662.4	-1757.7
282	631388.3	205940.9	9380.4	2662.0	-1743.8
283	627364.9	206047.1	9411.9	2661.6	-1729.8
284	623295.5	206139.5	9445.1	2661.1	-1715.8
285	619179.2	206217.7	9478.8	2660.5	-1701.2
286	615019.6	206282.1	9509.9	2659.9	-1687.0
287	609287.2	206332.6	10576.7	2659.6	-1672.9
288	602626.5	206368.8	11213.1	2661.3	-1659.6
289	595927.7	206390.9	11246.9	2663.1	-1646.7
290	589185.3	206398.9	11284.2	2664.7	-1633.6
291	582403.8	206392.8	11318.4	2666.4	-1620.5
292	575586.4	206372.5	11350.3	2667.9	-1607.2
293	568729.3	206338.0	11384.4	2669.4	-1593.9
294	566202.0	206289.2	8455.9	2670.2	-1580.1
295	566773.1	206226.1	6342.4	2663.8	-1562.0
296	567307.3	206149.7	6353.4	2657.3	-1544.6
297	567799.6	206059.1	6367.7	2650.8	-1526.4
298	568254.8	205955.2	6378.6	2644.2	-1509.1
299	568674.8	205836.4	6390.2	2638.3	-1490.7
300	569062.1	205703.1	6400.9	2632.9	-1472.9
301	569402.5	205555.0	6421.3	2627.4	-1454.7
302	569700.0	205392.2	6438.7	2621.9	-1436.6
303	569953.7	205214.6	6456.5	2616.3	-1418.5
304	570164.6	205022.3	6473.6	2610.7	-1400.3
305	570331.8	204815.5	6491.1	2605.0	-1382.3
306	570460.8	204594.5	6504.6	2599.3	-1364.6
307	570541.0	204358.5	6525.3	2593.4	-1346.2
308	570583.3	204108.6	6538.4	2587.6	-1328.6
309	570579.0	203844.3	6557.3	2581.7	-1310.6
310	570533.0	203566.1	6572.5	2575.7	-1293.1
311	570443.4	203273.6	6589.0	2569.7	-1275.1
312	570308.2	202966.6	6606.7	2563.6	-1256.9

313	570133.2	202645.9	6620.3	2557.5	-1239.4
314	566745.5	202311.1	8795.6	2552.4	-1222.3
315	562639.5	201962.6	9280.3	2549.8	-1206.9
316	558503.9	201599.8	9296.3	2547.2	-1191.1
317	554342.4	201223.3	9309.7	2544.5	-1175.7
318	550149.8	200832.6	9326.4	2541.7	-1159.9
319	545933.3	200427.8	9338.0	2538.9	-1144.0
320	541688.8	200008.9	9352.4	2536.1	-1128.2
321	538218.8	199480.3	9305.4	2690.9	-1112.8
322	533674.7	198938.0	10058.2	2687.9	-1097.5
323	529106.3	198382.0	10069.9	2684.7	-1081.7
324	524523.9	197812.0	10074.5	2681.6	-1065.9
325	519917.4	197228.3	10085.8	2678.3	-1050.2
326	514507.3	196727.2	10115.2	2517.8	-1034.8
327	510114.8	196212.3	9415.0	2514.6	-1019.1
328	505707.1	195684.1	9419.3	2511.3	-1003.8
329	501279.2	195142.3	9426.9	2507.9	-988.1
330	496832.9	194587.3	9432.9	2504.5	-972.8
331	492372.7	194019.2	9435.8	2501.1	-957.6
332	487895.0	193437.6	9441.0	2497.5	-942.0
333	483403.3	192843.0	9443.6	2494.0	-926.8
334	479672.7	192139.6	9407.2	2646.8	-911.2
335	474916.1	191423.0	10125.8	2643.0	-895.7
336	470150.6	190694.0	10124.5	2639.1	-881.0
337	465374.1	189951.6	10124.6	2635.2	-865.1
338	460591.4	189197.0	10121.0	2631.3	-850.5
339	455801.3	188429.4	10118.3	2627.2	-835.1
340	451006.0	187649.3	10113.7	2623.2	-820.1
341	446204.7	186856.8	10109.5	2619.0	-805.2
342	441394.6	186051.6	10107.2	2614.8	-790.0
343	436583.9	185234.2	10098.8	2610.6	-775.1
344	431767.3	184404.6	10094.1	2606.3	-760.3
345	426949.0	183562.5	10086.2	2601.9	-745.2
346	422130.0	182708.5	10077.4	2597.5	-730.5
347	417305.3	181842.1	10072.0	2593.0	-715.5
348	412486.5	180963.9	10058.2	2588.5	-700.9
349	407663.3	180074.0	10051.4	2583.9	-686.3
350	402843.9	179172.4	10038.8	2579.3	-671.8
351	398022.1	178258.8	10030.3	2574.5	-657.0
352	393208.5	177334.2	10014.2	2569.8	-643.0
353	388397.0	176397.6	10002.9	2565.2	-628.3
354	383593.4	175448.2	9990.4	2561.8	-613.4
355	378797.3	174486.9	9977.8	2558.3	-599.4
356	373999.4	173513.1	9971.8	2554.7	-584.6
357	369211.4	172527.2	9957.2	2551.1	-570.4
358	364423.7	171529.4	9949.2	2547.4	-556.2
359	359643.8	170519.7	9935.8	2543.7	-542.1
360	354870.6	169498.3	9923.0	2539.9	-528.0
361	350100.8	168464.9	9912.4	2536.1	-513.7
362	345317.1	167423.4	9902.7	2527.8	-500.5
363	340538.2	166375.4	9874.6	2517.6	-487.9
364	335779.5	165320.8	9835.4	2507.3	-474.9
365	331038.6	164259.3	9797.8	2497.0	-461.7
366	326319.1	163191.2	9757.5	2486.6	-448.9
367	321270.1	162116.8	9966.9	2476.2	-436.1
368	310951.7	161033.9	13708.4	2470.1	-423.9
369	300743.7	159941.6	13625.0	2467.4	-412.9
370	290644.1	158837.2	13550.4	2467.5	-400.9
371	280641.4	157720.8	13485.0	2468.1	-389.2
372	270735.0	156592.3	13420.0	2468.7	-377.5
373	260924.8	155451.8	13354.7	2469.1	-365.8
374	251210.4	154299.4	13289.5	2469.6	-354.1
375	241595.8	153135.1	13221.3	2469.9	-342.5
376	232083.1	151959.0	13151.5	2470.2	-330.8
377	222672.6	150770.7	13081.2	2470.5	-318.8
378	213369.9	149571.1	13006.6	2470.7	-307.5
379	204173.8	148359.7	12932.8	2470.8	-295.9
380	195086.8	147136.8	12856.9	2470.9	-284.4
381	190373.5	145903.5	9726.2	2468.3	-272.5
382	186465.6	144662.7	9131.5	2460.4	-260.1
383	182588.3	143414.0	9090.4	2452.6	-247.5

384	178743.0	142158.4	9048.0	2444.6	-235.6
385	174926.6	140895.1	9007.7	2436.6	-223.2
386	171140.4	139624.9	8966.3	2428.6	-211.2
387	167388.9	138348.0	8921.4	2420.5	-199.7
388	163667.9	137064.0	8879.5	2412.3	-187.6
389	159980.4	135773.4	8835.1	2404.0	-175.9
390	156326.3	134476.3	8790.7	2395.7	-164.4
391	152706.8	133173.3	8745.1	2387.4	-153.3
392	149119.9	131863.7	8700.9	2379.0	-141.7
393	145566.6	130548.0	8655.8	2370.5	-130.5
394	142050.2	129226.5	8608.0	2361.9	-119.4
395	138569.5	127899.3	8561.0	2353.3	-108.4
396	135123.0	126566.6	8514.8	2344.7	-97.6
397	131717.5	125228.7	8463.6	2335.9	-87.2
398	128343.7	123885.3	8418.8	2327.2	-76.2
399	125009.6	122536.8	8368.2	2318.3	-65.8
400	121714.0	121183.4	8318.5	2309.6	-55.4
401	118463.4	119824.1	8267.9	2302.2	-45.2
402	115248.5	118459.2	8223.8	2294.9	-35.1
403	112074.2	117089.3	8175.9	2287.4	-25.4
404	108936.6	115713.8	8130.7	2279.9	-15.3
405	105838.4	114333.3	8083.4	2272.4	-5.7
406	102779.3	112947.9	8036.0	2264.7	3.8
407	99759.9	111557.8	7988.2	2257.0	13.2
408	96780.4	110163.2	7939.8	2249.3	22.4
409	93840.6	108764.6	7891.4	2241.5	31.2
410	90941.6	107361.7	7842.2	2233.6	40.4
411	88084.2	105954.8	7792.1	2225.7	49.2
412	85266.8	104544.2	7742.9	2217.7	57.7
413	82494.0	103130.1	7690.3	2209.6	66.2
414	79762.7	101712.9	7639.7	2201.5	74.2
415	77071.1	100292.4	7590.3	2193.3	82.6
416	74424.1	98868.9	7537.1	2185.1	90.5
417	71820.1	97442.7	7484.8	2176.7	98.3
418	69259.4	96014.0	7432.1	2168.4	105.9
419	66741.0	94583.0	7380.1	2159.9	113.4
420	64382.4	93150.2	7243.0	2151.4	120.4
421	62549.5	91716.0	6839.4	2141.8	127.7
422	60739.4	90281.1	6796.8	2131.7	134.5
423	58954.0	88845.8	6752.7	2121.5	141.1
424	57197.0	87410.3	6705.7	2111.3	147.5
425	55465.1	85974.9	6660.9	2101.0	153.8
426	53759.6	84539.8	6615.0	2090.6	159.8
427	52080.6	83105.2	6568.7	2080.1	165.6
428	50428.3	81671.4	6522.2	2069.6	171.3
429	48804.0	80238.6	6474.5	2059.0	176.7
430	47205.5	78807.0	6428.2	2048.4	182.0
431	45633.1	77377.0	6381.6	2037.7	187.0
432	44088.3	75948.5	6332.9	2026.6	192.1
433	42570.9	74522.5	6283.9	2015.4	196.6
434	41080.5	73099.0	6235.1	2004.1	201.0
435	39616.9	71677.8	6186.1	1992.8	205.5
436	38182.4	70259.8	6135.4	1981.3	209.3
437	36775.2	68844.8	6085.7	1969.9	213.4
438	35395.2	67433.4	6035.9	1958.3	216.8
439	34042.8	66025.5	5985.7	1946.7	220.4
440	32719.8	64621.5	5934.0	1935.0	223.6
441	31423.7	63221.7	5883.8	1923.3	226.5
442	30154.9	61826.4	5833.2	1911.4	229.3
443	28914.9	60435.8	5781.3	1899.5	231.8
444	27702.8	59050.2	5729.8	1887.6	234.1
445	26519.6	57669.8	5677.5	1875.5	236.2
446	25362.9	56294.8	5626.7	1863.4	238.3
447	24234.0	54925.6	5574.7	1851.3	239.9
448	23134.5	53562.4	5521.3	1839.0	241.3
449	22062.2	52205.6	5469.5	1826.7	242.5
450	21017.8	50855.3	5416.9	1814.3	243.4
451	20001.2	49512.0	5364.1	1801.9	244.1
452	19011.8	48175.7	5311.6	1789.4	244.8
453	18051.8	46847.0	5257.3	1776.8	244.8
454	17117.0	45525.8	5205.9	1764.1	245.0

455	16211.0	44212.7	5151.7	1751.4	244.7
456	15332.9	42907.9	5097.9	1738.6	244.2
457	14481.0	41611.5	5045.1	1725.7	243.7
458	13655.3	40324.3	4990.0	1711.9	242.8
459	12856.2	39046.9	4933.5	1697.7	241.8
460	12084.2	37779.5	4876.4	1683.4	240.5
461	11339.2	36522.3	4819.2	1669.0	239.0
462	10620.5	35275.6	4762.3	1654.6	237.4
463	9928.8	34039.7	4704.7	1640.0	235.4
464	9264.0	32815.0	4647.0	1625.4	233.1
465	8624.9	31601.8	4589.9	1610.8	230.6
466	8011.1	30400.2	4533.1	1596.0	228.0
467	7423.7	29210.6	4475.0	1581.2	225.0
468	6858.4	28034.5	4413.4	1563.7	222.2
469	6315.4	26873.1	4344.9	1543.6	219.7
470	5797.7	25726.6	4274.2	1523.5	217.2
471	5305.2	24595.4	4203.0	1503.2	214.2
472	4838.6	23480.0	4131.1	1482.8	210.9
473	4395.6	22380.4	4060.7	1462.3	207.6
474	3976.8	21296.9	3989.5	1441.6	204.0
475	3582.1	20230.0	3918.0	1420.9	200.2
476	3210.6	19179.8	3847.0	1400.0	196.1
477	2862.4	18146.7	3775.6	1379.1	191.8
478	2536.8	17131.1	3704.4	1358.0	187.2
479	2233.2	16133.1	3633.4	1336.8	182.5
480	1951.9	15153.2	3561.9	1315.4	177.5
481	1691.8	14191.6	3490.9	1294.0	172.2
482	1452.3	13248.6	3419.9	1272.5	166.8
483	1233.6	12324.6	3348.7	1250.8	161.0
484	1034.6	11419.8	3277.8	1229.0	155.1
485	855.4	10534.6	3206.7	1207.1	148.8
486	695.0	9669.3	3136.0	1185.1	142.4
487	553.2	8824.1	3065.2	1162.9	135.7
488	429.7	7999.5	2994.3	1140.6	128.8
489	323.4	7195.8	2923.8	1118.3	121.6
490	234.3	6413.2	2853.2	1095.8	114.1
491	161.3	5652.2	2782.9	1073.1	106.4
492	104.4	4913.0	2712.5	1050.4	98.4
493	85.1	4195.9	2626.0	1027.5	90.2
494	128.1	3506.2	2509.2	999.8	79.9
495	148.5	2845.9	2449.7	970.2	68.4
496	149.9	2215.4	2387.5	940.5	56.7
497	133.8	1615.2	2323.7	910.7	44.7
498	102.2	1045.6	2258.2	880.7	32.3
499	57.0	507.1	2191.1	850.6	19.6
500	0.0	0.0	2122.3	820.3	6.6

Σ			1215510.3	-739159.9
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VERIFICA STABILITA' DEI PENDII

Sezione B-B - Condizione Sismica con falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
Prodotto dei coefficienti sismici :-0.116
Coefficiente sismico verticale : 0.058
Coefficiente riduzione attrito : 1.000
Coefficiente riduzione coesione : 1.000
Coeff. amplific. carichi esercizio : 1.000
Coeff. carichi esercizio per sisma : 1.000
Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y
Falda	1	142.200	165.740
Falda	2	151.470	163.300
Falda	3	161.350	161.710
Falda	4	171.350	160.920
Falda	5	181.650	159.580
Falda	6	186.590	158.780
Falda	7	191.220	157.630
Falda	8	220.740	156.960
Falda	9	226.350	156.530
Falda	10	236.230	156.470
Falda	11	241.530	156.100
Falda	12	246.840	156.530
Falda	13	256.470	160.000
Falda	14	262.260	161.650
Falda	15	268.420	161.960
Falda	16	271.900	161.160
Falda	17	277.390	161.100
Falda	18	283.180	160.070
Falda	19	285.310	159.700
Falda	20	287.630	158.300
Falda	21	291.710	158.170
Falda	22	294.700	158.970
Falda	23	297.750	157.810
Falda	24	315.680	155.130
Falda	25	321.290	153.970
Falda	26	335.980	151.220
Falda	27	339.150	150.430
Falda	28	342.080	150.490
Falda	29	353.550	149.030
Falda	30	365.250	146.710
Falda	31	374.950	144.940
Falda	32	378.670	144.450
Falda	33	381.350	143.420
Falda	34	385.560	143.170
Falda	35	406.170	137.560
Falda	36	409.280	136.770
Falda	37	415.250	134.330
Falda	38	430.250	127.080
Falda	39	449.950	119.940
Falda	40	459.580	116.160
Falda	41	464.650	113.480
Falda	42	470.560	111.650
Falda	43	477.330	108.050
Pendio	1	143.630	176.240
Pendio	2	148.430	174.140
Pendio	3	156.260	178.470
Pendio	4	166.250	183.400
Pendio	5	171.110	185.840

Pendio	6	176.630	186.430
Pendio	7	186.230	187.090
Pendio	8	201.220	187.090
Pendio	9	221.600	185.710
Pendio	10	226.330	184.920
Pendio	11	232.440	184.390
Pendio	12	241.520	182.940
Pendio	13	256.500	173.280
Pendio	14	261.500	170.520
Pendio	15	266.360	166.510
Pendio	16	272.350	165.200
Pendio	17	278.330	165.200
Pendio	18	283.060	164.080
Pendio	19	287.140	164.080
Pendio	20	287.990	162.500
Pendio	21	290.160	162.300
Pendio	22	291.020	162.760
Pendio	23	295.030	162.700
Pendio	24	311.390	160.130
Pendio	25	314.020	159.810
Pendio	26	321.390	158.100
Pendio	27	341.440	154.610
Pendio	28	346.370	154.280
Pendio	29	361.160	151.720
Pendio	30	388.370	146.460
Pendio	31	398.760	143.570
Pendio	32	406.190	141.730
Pendio	33	409.340	140.940
Pendio	34	415.130	138.700
Pendio	35	428.010	132.520
Pendio	36	430.050	132.060
Pendio	37	436.100	129.110
Pendio	38	440.040	127.460
Pendio	39	449.770	124.180
Pendio	40	463.640	118.920
Pendio	41	469.030	116.290
Pendio	42	482.830	110.900
2	1	149.390	174.671
2	2	149.390	173.610
2	3	161.310	179.990
2	4	166.430	182.470
2	5	171.130	184.430
2	6	176.410	185.320
2	7	186.380	186.010
2	8	191.180	186.120
2	9	196.460	186.270
2	10	201.260	186.060
2	11	206.430	185.590
2	12	211.390	185.270
2	13	221.470	184.480
2	14	231.390	183.480
2	15	236.300	182.740
2	16	241.470	181.370
2	17	256.460	171.970
2	18	266.220	165.590
2	19	266.220	166.626
3	1	150.170	174.027
3	2	150.170	173.250
3	3	165.490	168.280
3	4	169.030	167.310
3	5	171.250	166.700
3	6	176.620	165.130
3	7	186.420	161.660
3	8	191.500	159.830
3	9	199.270	159.120
3	10	218.090	159.080
3	11	221.280	158.690
3	12	231.840	158.760
3	13	235.520	158.330
3	14	241.540	158.330
3	15	246.010	158.650

3	16	251.740	161.010
3	17	261.400	163.800
3	18	265.550	165.020
3	19	265.550	166.028
4	1	146.530	174.971
4	2	146.530	173.560
4	3	156.230	170.110
4	4	161.340	168.680
4	5	166.330	166.870
4	6	169.080	166.300
4	7	171.150	165.700
4	8	181.420	162.430
4	9	191.350	158.750
4	10	199.410	158.120
4	11	217.600	158.060
4	12	221.440	157.520
4	13	235.880	157.610
4	14	241.500	157.350
4	15	246.440	157.630
4	16	251.710	159.930
4	17	256.510	161.310
4	18	266.090	164.380
4	19	268.610	165.500
4	20	268.610	166.018
5	1	266.630	164.620
5	2	266.630	164.090
5	3	268.570	162.610
5	4	286.080	162.582
5	5	286.080	164.080
6	1	147.230	173.311
6	2	147.230	158.320
6	3	161.310	156.790
6	4	171.540	155.930
6	5	181.630	155.400
6	6	191.790	154.530
6	7	199.030	153.870
6	8	216.300	153.670
6	9	219.020	153.470
6	10	231.370	153.410
6	11	233.430	153.210
6	12	245.850	153.010
6	13	248.310	153.540
6	14	251.820	153.540
6	15	254.350	152.940
6	16	257.870	154.000
6	17	267.030	153.870
6	18	271.220	153.070
6	19	277.860	153.210
6	20	279.920	152.340
6	21	283.500	152.410
6	22	286.080	150.824
6	23	286.080	162.582
7	1	286.080	150.824
7	2	286.080	146.080
7	3	286.700	146.080
7	4	286.700	164.080
8	1	286.700	164.080
8	2	286.700	162.581
8	3	287.540	162.580
8	4	287.540	163.336
9	1	286.700	164.080
9	2	286.700	150.516
9	3	287.490	150.220
9	4	291.140	150.280
9	5	291.870	150.680
9	6	294.060	150.750
9	7	299.310	149.490
9	8	303.690	149.420
9	9	308.340	148.230
9	10	311.530	148.030
9	11	317.170	146.630

9	12	321.090	146.370
9	13	324.340	145.170
9	14	328.200	144.910
9	15	334.970	143.250
9	16	336.360	143.050
9	17	341.880	142.250
9	18	346.130	142.050
9	19	354.830	140.460
9	20	376.080	136.670
9	21	385.640	134.680
9	22	395.200	132.020
9	23	402.770	130.230
9	24	409.550	128.040
9	25	412.930	126.840
9	26	419.510	123.190
9	27	430.130	118.670
9	28	440.030	114.820
9	29	446.470	112.830
9	30	448.400	111.830
9	31	453.380	109.710
9	32	453.380	122.811

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.40
2	RIFIUTI	1300.0	0.01	19.60	0.40
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.40
4	ARGINE	1900.0	0.40	25.00	0.40
5	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
6	Fila 3	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.40
8	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.40
9	STRATO DI BASE	1900.0	0.18	14.50	0.40

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	322.99	321.97	173.57
2	336.81	340.85	194.70
3	327.95	358.99	210.76
4	329.24	349.96	202.36
5	341.46	374.17	228.16
6	332.97	344.26	197.72
7	355.67	428.41	284.91
8	366.88	458.78	316.59
9	344.56	343.15	199.24
10	309.34	344.46	193.54
11	312.43	345.10	194.84
12	329.97	377.76	230.46

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y
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CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des
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RISULTATI

Calcolo effettuato con il metodo di Janbu

RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	322.99	321.97	173.57	1.207	1
1	322.99	321.97	173.57	1.214	2
2	336.81	340.85	194.70	1.152	1
2	336.81	340.85	194.70	1.156	2
3	327.95	358.99	210.76	1.147	1
3	327.95	358.99	210.76	1.147	2
4	329.24	349.96	202.36	1.137	1
4	329.24	349.96	202.36	1.137	2
5	341.46	374.17	228.16	1.150	1
5	341.46	374.17	228.16	1.151	2
6	332.97	344.26	197.72	1.124	1
6	332.97	344.26	197.72	1.125	2
7	355.67	428.41	284.91	1.043	1
7	355.67	428.41	284.91	1.036	2
8	366.88	458.78	316.59	1.102	1
8	366.88	458.78	316.59	1.101	2
9	344.56	343.15	199.24	1.124	1
9	344.56	343.15	199.24	1.126	2
10	309.34	344.46	193.54	1.144	1
10	309.34	344.46	193.54	1.139	2
11	312.43	345.10	194.84	1.138	1
11	312.43	345.10	194.84	1.134	2
12	329.97	377.76	230.46	1.119	1
12	329.97	377.76	230.46	1.116	2

CERCHIO CRITICO N° 7

Larghezza del concio.....=0.373

Situazione di carico numero 2

Coefficiente di sicurezza F =1.036

Coefficiente di forma =0.08628

Coefficiente F/Fo =1.04012

Numero iterazioni = 2

Precisione =0.00137

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-31.98	0.440	0.120	19.6	69.4	-8.5
2	-31.89	0.439	0.120	19.6	207.7	-25.6
3	-31.80	0.439	0.120	19.6	345.5	-42.5
4	-31.72	0.438	0.120	19.6	482.8	-59.4
5	-31.63	0.438	0.120	19.6	619.5	-76.3
6	-31.54	0.438	0.120	19.6	755.7	-93.1
7	-31.45	0.437	0.008	19.6	851.3	-104.8
8	-31.36	0.437	0.008	19.6	943.6	-116.2
9	-31.28	0.436	0.008	19.6	1035.4	-127.5
10	-31.19	0.436	0.008	19.6	1126.9	-138.8
11	-31.10	0.436	0.008	19.6	1218.1	-150.0
12	-31.01	0.435	0.008	19.6	1308.9	-161.2
13	-30.93	0.435	0.008	19.6	1399.3	-172.3
14	-30.84	0.434	0.008	19.6	1489.4	-183.4
15	-30.75	0.434	0.008	19.6	1579.1	-194.5
16	-30.66	0.434	0.008	19.6	1668.5	-205.5
17	-30.58	0.433	0.008	19.6	1757.6	-216.4
18	-30.49	0.433	0.008	19.6	1846.2	-227.3
19	-30.40	0.432	0.008	19.6	1934.9	-238.3
20	-30.32	0.432	0.008	19.6	2023.9	-249.2
21	-30.23	0.432	0.008	19.6	2112.7	-260.2
22	-30.14	0.431	0.008	19.6	2201.1	-271.0
23	-30.06	0.431	0.008	19.6	2289.1	-281.9
24	-29.97	0.431	0.008	19.6	2376.8	-292.7
25	-29.88	0.430	0.008	19.6	2464.2	-303.4

26	-29.79	0.430	0.008	19.6	2551.2	-314.2
27	-29.71	0.429	0.008	19.6	2637.8	-324.8
28	-29.62	0.429	0.008	19.6	2724.2	-335.5
29	-29.54	0.429	0.008	19.6	2810.2	-346.0
30	-29.45	0.428	0.008	19.6	2895.8	-356.6
31	-29.37	0.428	0.008	19.6	2981.1	-367.1
32	-29.28	0.428	0.008	19.6	3066.1	-377.6
33	-29.19	0.427	0.008	19.6	3150.8	-388.0
34	-29.11	0.427	0.008	19.6	3235.1	-398.4
35	-29.02	0.427	0.008	19.6	3319.0	-408.7
36	-28.93	0.426	0.008	19.6	3402.7	-419.0
37	-28.85	0.426	0.008	19.6	3486.0	-429.3
38	-28.76	0.425	0.008	19.6	3569.0	-439.5
39	-28.68	0.425	0.008	19.6	3651.6	-449.7
40	-28.59	0.425	0.008	19.6	3733.9	-459.8
41	-28.51	0.424	0.008	19.6	3815.9	-469.9
42	-28.42	0.424	0.008	19.6	3897.6	-480.0
43	-28.34	0.424	0.008	19.6	3978.9	-490.0
44	-28.25	0.423	0.008	19.6	4059.9	-499.9
45	-28.17	0.423	0.008	19.6	4140.6	-509.9
46	-28.08	0.423	0.008	19.6	4221.3	-519.8
47	-28.00	0.422	0.008	19.6	4281.3	-527.2
48	-27.91	0.422	0.008	19.6	4338.0	-534.2
49	-27.83	0.422	0.008	19.6	4394.4	-541.1
50	-27.74	0.421	0.008	19.6	4450.5	-548.0
51	-27.66	0.421	0.008	19.6	4506.3	-554.9
52	-27.57	0.421	0.008	19.6	4561.8	-561.7
53	-27.49	0.420	0.008	19.6	4616.9	-568.5
54	-27.40	0.420	0.008	19.6	4671.7	-575.3
55	-27.32	0.420	0.008	19.6	4726.2	-582.0
56	-27.24	0.419	0.008	19.6	4780.4	-588.7
57	-27.15	0.419	0.008	19.6	4834.2	-595.3
58	-27.07	0.419	0.008	19.6	4887.8	-601.9
59	-26.98	0.419	0.008	19.6	4945.0	-608.9
60	-26.90	0.418	0.008	19.6	5017.9	-617.9
61	-26.81	0.418	0.008	19.6	5090.5	-626.9
62	-26.73	0.418	0.008	19.6	5162.8	-635.8
63	-26.65	0.417	0.008	19.6	5234.7	-644.6
64	-26.56	0.417	0.008	19.6	5306.4	-653.4
65	-26.48	0.417	0.008	19.6	5377.7	-662.2
66	-26.40	0.416	0.008	19.6	5448.7	-671.0
67	-26.31	0.416	0.008	19.6	5519.5	-679.7
68	-26.23	0.416	0.008	19.6	5589.9	-688.3
69	-26.14	0.415	0.008	19.6	5659.9	-697.0
70	-26.06	0.415	0.008	19.6	5729.7	-705.6
71	-25.98	0.415	0.008	19.6	5799.2	-714.1
72	-25.89	0.415	0.008	19.6	5868.4	-722.6
73	-25.81	0.414	0.008	19.6	5939.7	-731.4
74	-25.73	0.414	0.008	19.6	6012.2	-740.4
75	-25.64	0.414	0.008	19.6	6084.4	-749.2
76	-25.56	0.413	0.008	19.6	6141.4	-756.3
77	-25.48	0.413	0.008	19.6	6194.8	-762.8
78	-25.39	0.413	0.008	19.6	6247.9	-769.4
79	-25.31	0.413	0.008	19.6	6300.7	-775.9
80	-25.23	0.412	0.008	19.6	6353.2	-782.3
81	-25.15	0.412	0.008	19.6	6405.4	-788.8
82	-25.06	0.412	0.008	19.6	6457.3	-795.2
83	-24.98	0.411	0.008	19.6	6508.9	-801.5
84	-24.90	0.411	0.008	19.6	6560.2	-807.8
85	-24.81	0.411	0.008	19.6	6611.2	-814.1
86	-24.73	0.411	0.008	19.6	6666.1	-820.9
87	-24.65	0.410	0.008	19.6	6725.5	-828.2
88	-24.57	0.410	0.008	19.6	6784.6	-835.5
89	-24.48	0.410	0.008	19.6	6843.4	-842.7
90	-24.40	0.410	0.008	19.6	6901.9	-849.9
91	-24.32	0.409	0.008	19.6	6960.1	-857.1
92	-24.24	0.409	0.008	19.6	7018.0	-864.2
93	-24.16	0.409	0.008	19.6	7075.6	-871.3
94	-24.07	0.408	0.008	19.6	7133.0	-878.4
95	-23.99	0.408	0.008	19.6	7190.0	-885.4
96	-23.91	0.408	0.008	19.6	7246.7	-892.4

97	-23.83	0.408	0.008	19.6	7303.2	-899.3
98	-23.74	0.407	0.008	19.6	7359.3	-906.2
99	-23.66	0.407	0.008	19.6	7415.2	-913.1
100	-23.58	0.407	0.008	19.6	7431.0	-915.1
101	-23.50	0.407	0.008	19.6	7393.9	-910.5
102	-23.42	0.406	0.008	19.6	7356.6	-905.9
103	-23.33	0.406	0.008	19.6	7319.0	-901.3
104	-23.26	0.406	0.008	19.6	7281.1	-896.6
105	-23.17	0.406	0.008	19.6	7242.9	-891.9
106	-23.09	0.405	0.008	19.6	7204.4	-887.2
107	-23.01	0.405	0.008	19.6	7165.7	-882.4
108	-22.93	0.405	0.008	19.6	7126.6	-877.6
109	-22.85	0.405	0.008	19.6	7087.3	-872.7
110	-22.77	0.404	0.008	19.6	7047.7	-867.9
111	-22.68	0.404	0.008	19.6	7007.8	-863.0
112	-22.60	0.404	0.008	19.6	6967.6	-858.0
113	-22.52	0.404	0.008	19.6	6927.1	-853.0
114	-22.44	0.404	0.008	19.6	6886.4	-848.0
115	-22.36	0.403	0.008	19.6	6845.3	-842.9
116	-22.28	0.403	0.008	19.6	6804.0	-837.9
117	-22.20	0.403	0.008	19.6	6762.4	-832.7
118	-22.11	0.403	0.008	19.6	6720.5	-827.6
119	-22.04	0.402	0.008	19.6	6678.4	-822.4
120	-21.96	0.402	0.008	19.6	6635.9	-817.2
121	-21.87	0.402	0.008	19.6	6593.2	-811.9
122	-21.79	0.402	0.008	19.6	6550.2	-806.6
123	-21.71	0.401	0.008	19.6	6506.9	-801.3
124	-21.63	0.401	0.008	19.6	6463.4	-795.9
125	-21.55	0.401	0.008	19.6	6419.5	-790.5
126	-21.47	0.401	0.008	19.6	6375.4	-785.1
127	-21.39	0.401	0.008	19.6	6331.0	-779.6
128	-21.31	0.400	0.008	19.6	6286.4	-774.1
129	-21.23	0.400	0.008	19.6	6241.4	-768.6
130	-21.15	0.400	0.008	19.6	6196.2	-763.0
131	-21.07	0.400	0.008	19.6	6150.7	-757.4
132	-20.99	0.399	0.008	19.6	6105.0	-751.8
133	-20.91	0.399	0.008	19.6	6058.9	-746.1
134	-20.83	0.399	0.008	19.6	6012.6	-740.4
135	-20.75	0.399	0.008	19.6	5966.0	-734.7
136	-20.67	0.399	0.000	11.3	5951.1	-732.8
137	-20.59	0.398	0.000	11.3	5956.3	-733.5
138	-20.50	0.398	0.000	11.3	5961.0	-734.1
139	-20.43	0.398	0.000	11.3	5965.4	-734.6
140	-20.35	0.398	0.200	15.0	5977.4	-736.1
141	-20.27	0.398	0.200	15.0	6006.2	-739.6
142	-20.18	0.397	0.200	15.0	6034.6	-743.1
143	-20.11	0.397	0.200	15.0	6062.6	-746.6
144	-20.03	0.397	0.200	15.0	6090.2	-750.0
145	-19.95	0.397	0.200	15.0	6117.4	-753.3
146	-19.87	0.397	0.200	15.0	6175.2	-760.4
147	-19.79	0.396	0.200	15.0	6235.5	-767.8
148	-19.71	0.396	0.200	15.0	6295.3	-775.2
149	-19.63	0.396	0.200	15.0	6354.6	-782.5
150	-19.55	0.396	0.200	15.0	6413.4	-789.8
151	-19.47	0.396	0.200	15.0	6471.8	-797.0
152	-19.39	0.395	0.200	15.0	6529.7	-804.1
153	-19.31	0.395	0.200	15.0	6587.2	-811.2
154	-19.23	0.395	0.200	15.0	6583.3	-810.7
155	-19.15	0.395	0.200	15.0	6572.2	-809.3
156	-19.07	0.395	0.200	15.0	6550.1	-806.6
157	-18.99	0.394	0.200	15.0	6525.8	-803.6
158	-18.91	0.394	0.200	15.0	6501.0	-800.5
159	-18.83	0.394	0.200	15.0	6475.7	-797.4
160	-18.76	0.394	0.200	15.0	6450.0	-794.3
161	-18.68	0.394	0.200	15.0	6423.8	-791.0
162	-18.60	0.394	0.200	15.0	6397.2	-787.8
163	-18.52	0.393	0.200	15.0	6370.0	-784.4
164	-18.44	0.393	0.200	15.0	6551.8	-806.8
165	-18.36	0.393	0.200	15.0	6449.3	-794.2
166	-18.28	0.393	0.200	15.0	6346.3	-781.5
167	-18.20	0.393	0.200	15.0	6374.2	-784.9

168	-18.12	0.392	0.200	15.0	6421.2	-790.7
169	-18.04	0.392	0.200	15.0	6467.8	-796.5
170	-17.96	0.392	0.200	15.0	6513.9	-802.1
171	-17.88	0.392	0.200	15.0	6559.6	-807.8
172	-17.81	0.392	0.200	15.0	6599.7	-812.7
173	-17.73	0.392	0.200	15.0	6629.8	-816.4
174	-17.65	0.391	0.200	15.0	6659.4	-820.1
175	-17.57	0.391	0.200	15.0	6688.6	-823.6
176	-17.49	0.391	0.200	15.0	6717.3	-827.2
177	-17.41	0.391	0.200	15.0	6745.5	-830.7
178	-17.33	0.391	0.200	15.0	6773.3	-834.1
179	-17.25	0.391	0.200	15.0	6800.6	-837.4
180	-17.18	0.390	0.200	15.0	6827.5	-840.8
181	-17.10	0.390	0.200	15.0	6854.2	-844.0
182	-17.02	0.390	0.200	15.0	6891.6	-848.6
183	-16.94	0.390	0.200	15.0	6972.7	-858.6
184	-16.86	0.390	0.200	15.0	7063.7	-869.8
185	-16.78	0.390	0.200	15.0	7154.2	-881.0
186	-16.71	0.389	0.200	15.0	7244.3	-892.1
187	-16.63	0.389	0.200	15.0	7334.0	-903.1
188	-16.55	0.389	0.200	15.0	7423.2	-914.1
189	-16.47	0.389	0.200	15.0	7512.0	-925.0
190	-16.39	0.389	0.200	15.0	7600.3	-935.9
191	-16.32	0.389	0.200	15.0	7688.1	-946.7
192	-16.24	0.388	0.200	15.0	7775.5	-957.5
193	-16.16	0.388	0.200	15.0	7862.5	-968.2
194	-16.08	0.388	0.200	15.0	7949.0	-978.9
195	-16.00	0.388	0.200	15.0	8035.1	-989.5
196	-15.92	0.388	0.200	15.0	8118.2	-999.7
197	-15.85	0.388	0.200	15.0	8194.6	-1009.1
198	-15.77	0.388	0.200	15.0	8270.6	-1018.5
199	-15.69	0.387	0.200	15.0	8300.5	-1022.1
200	-15.61	0.387	0.200	15.0	8316.6	-1024.1
201	-15.53	0.387	0.200	15.0	8332.4	-1026.1
202	-15.46	0.387	0.200	15.0	8347.6	-1027.9
203	-15.38	0.387	0.200	15.0	8362.5	-1029.8
204	-15.30	0.387	0.200	15.0	8376.9	-1031.5
205	-15.22	0.387	0.200	15.0	8390.8	-1033.3
206	-15.15	0.386	0.200	15.0	8404.4	-1034.9
207	-15.07	0.386	0.200	15.0	8417.5	-1036.5
208	-14.99	0.386	0.200	15.0	8430.1	-1038.1
209	-14.91	0.386	0.200	15.0	8442.3	-1039.6
210	-14.84	0.386	0.200	15.0	8454.1	-1041.1
211	-14.76	0.386	0.200	15.0	8470.9	-1043.1
212	-14.68	0.386	0.200	15.0	8540.9	-1051.7
213	-14.60	0.385	0.200	15.0	8610.5	-1060.3
214	-14.52	0.385	0.200	15.0	8679.7	-1068.8
215	-14.45	0.385	0.200	15.0	8748.5	-1077.3
216	-14.37	0.385	0.200	15.0	8816.8	-1085.7
217	-14.29	0.385	0.200	15.0	8883.4	-1093.9
218	-14.21	0.385	0.200	15.0	8928.3	-1099.5
219	-14.14	0.385	0.200	15.0	8972.8	-1104.9
220	-14.06	0.385	18.300	0.0	13024.5	-1603.9
221	-13.98	0.384	0.200	15.0	9060.5	-1115.7
222	-13.91	0.384	0.200	15.0	9032.7	-1112.3
223	-13.83	0.384	0.200	15.0	8612.7	-1060.6
224	-13.75	0.384	0.200	15.0	8217.4	-1011.9
225	-13.68	0.384	0.200	15.0	8211.1	-1011.1
226	-13.60	0.384	0.200	15.0	8259.6	-1017.1
227	-13.52	0.384	0.200	15.0	8307.7	-1023.0
228	-13.44	0.383	0.200	15.0	8355.3	-1028.9
229	-13.37	0.383	0.200	15.0	8402.5	-1034.7
230	-13.29	0.383	0.200	15.0	8458.0	-1041.5
231	-13.21	0.383	0.200	15.0	8660.5	-1066.5
232	-13.13	0.383	0.200	15.0	8862.5	-1091.4
233	-13.06	0.383	0.200	15.0	8961.5	-1103.5
234	-12.98	0.383	0.200	15.0	9025.7	-1111.5
235	-12.90	0.383	0.200	15.0	9103.7	-1121.1
236	-12.83	0.383	0.176	14.5	9182.9	-1130.8
237	-12.75	0.382	0.176	14.5	9261.6	-1140.5
238	-12.67	0.382	0.176	14.5	9339.9	-1150.1

239	-12.60	0.382	0.176	14.5	9417.7	-1159.7
240	-12.52	0.382	0.176	14.5	9495.2	-1169.3
241	-12.44	0.382	0.176	14.5	9572.2	-1178.7
242	-12.37	0.382	0.176	14.5	9648.7	-1188.2
243	-12.29	0.382	0.176	14.5	9694.9	-1193.9
244	-12.21	0.382	0.176	14.5	9701.4	-1194.6
245	-12.14	0.382	0.176	14.5	9707.3	-1195.4
246	-12.06	0.381	0.176	14.5	9712.9	-1196.1
247	-11.98	0.381	0.176	14.5	9718.0	-1196.7
248	-11.91	0.381	0.176	14.5	9722.7	-1197.3
249	-11.83	0.381	0.176	14.5	9727.0	-1197.8
250	-11.75	0.381	0.176	14.5	9730.9	-1198.3
251	-11.68	0.381	0.176	14.5	9742.9	-1199.8
252	-11.60	0.381	0.176	14.5	9758.0	-1201.6
253	-11.52	0.381	0.176	14.5	9772.7	-1203.4
254	-11.45	0.381	0.176	14.5	9787.0	-1205.2
255	-11.37	0.380	0.176	14.5	9800.9	-1206.9
256	-11.29	0.380	0.176	14.5	9814.3	-1208.6
257	-11.22	0.380	0.176	14.5	9827.3	-1210.2
258	-11.14	0.380	0.176	14.5	9839.9	-1211.7
259	-11.06	0.380	0.176	14.5	9852.1	-1213.2
260	-10.99	0.380	0.176	14.5	9863.9	-1214.7
261	-10.91	0.380	0.176	14.5	9875.3	-1216.1
262	-10.83	0.380	0.176	14.5	9886.2	-1217.4
263	-10.76	0.380	0.176	14.5	9896.8	-1218.7
264	-10.68	0.380	0.176	14.5	9906.9	-1220.0
265	-10.61	0.379	0.176	14.5	9916.6	-1221.1
266	-10.53	0.379	0.176	14.5	9925.9	-1222.3
267	-10.45	0.379	0.176	14.5	9934.7	-1223.4
268	-10.38	0.379	0.176	14.5	9943.2	-1224.4
269	-10.30	0.379	0.176	14.5	9951.2	-1225.4
270	-10.22	0.379	0.176	14.5	9958.8	-1226.4
271	-10.15	0.379	0.176	14.5	9966.0	-1227.2
272	-10.07	0.379	0.176	14.5	9972.8	-1228.1
273	-10.00	0.379	0.176	14.5	9979.2	-1228.9
274	-9.92	0.379	0.176	14.5	9985.2	-1229.6
275	-9.84	0.379	0.176	14.5	9990.7	-1230.3
276	-9.77	0.378	0.176	14.5	9995.9	-1230.9
277	-9.69	0.378	0.176	14.5	10000.6	-1231.5
278	-9.62	0.378	0.176	14.5	10004.9	-1232.0
279	-9.54	0.378	0.176	14.5	10008.8	-1232.5
280	-9.46	0.378	0.176	14.5	10012.3	-1232.9
281	-9.39	0.378	0.176	14.5	10015.4	-1233.3
282	-9.31	0.378	0.176	14.5	10018.1	-1233.7
283	-9.24	0.378	0.176	14.5	10020.4	-1233.9
284	-9.16	0.378	0.176	14.5	10022.2	-1234.2
285	-9.08	0.378	0.176	14.5	10023.6	-1234.3
286	-9.01	0.378	0.176	14.5	10024.7	-1234.5
287	-8.93	0.378	0.176	14.5	10026.5	-1234.7
288	-8.85	0.377	0.176	14.5	10035.5	-1235.8
289	-8.78	0.377	0.176	14.5	10044.1	-1236.9
290	-8.70	0.377	0.176	14.5	10052.3	-1237.9
291	-8.63	0.377	0.176	14.5	10060.1	-1238.8
292	-8.55	0.377	0.176	14.5	10067.5	-1239.7
293	-8.48	0.377	0.176	14.5	10074.5	-1240.6
294	-8.40	0.377	0.176	14.5	10078.9	-1241.1
295	-8.32	0.377	0.176	14.5	10057.6	-1238.5
296	-8.25	0.377	0.176	14.5	10035.9	-1235.8
297	-8.17	0.377	0.176	14.5	10013.8	-1233.1
298	-8.10	0.377	0.176	14.5	9991.3	-1230.3
299	-8.02	0.377	0.176	14.5	9966.4	-1227.3
300	-7.95	0.377	0.176	14.5	9940.1	-1224.0
301	-7.87	0.377	0.176	14.5	9913.4	-1220.8
302	-7.79	0.376	0.176	14.5	9886.2	-1217.4
303	-7.72	0.376	0.176	14.5	9858.7	-1214.0
304	-7.64	0.376	0.176	14.5	9830.7	-1210.6
305	-7.57	0.376	0.176	14.5	9802.3	-1207.1
306	-7.49	0.376	0.176	14.5	9773.6	-1203.5
307	-7.41	0.376	0.176	14.5	9744.4	-1199.9
308	-7.34	0.376	0.176	14.5	9714.8	-1196.3
309	-7.26	0.376	0.176	14.5	9684.9	-1192.6

310	-7.19	0.376	0.176	14.5	9654.5	-1188.9
311	-7.11	0.376	0.176	14.5	9623.7	-1185.1
312	-7.04	0.376	0.176	14.5	9592.5	-1181.2
313	-6.96	0.376	0.176	14.5	9560.9	-1177.3
314	-6.89	0.376	0.176	14.5	9534.1	-1174.1
315	-6.81	0.376	0.176	14.5	9517.2	-1172.0
316	-6.74	0.376	0.176	14.5	9499.8	-1169.8
317	-6.66	0.376	0.176	14.5	9482.1	-1167.6
318	-6.59	0.375	0.176	14.5	9463.9	-1165.4
319	-6.51	0.375	0.176	14.5	9445.3	-1163.1
320	-6.43	0.375	0.176	14.5	9426.4	-1160.8
321	-6.36	0.375	0.200	15.0	9407.0	-1158.4
322	-6.28	0.375	0.200	15.0	9387.2	-1156.0
323	-6.21	0.375	0.200	15.0	9367.1	-1153.5
324	-6.13	0.375	0.200	15.0	9346.5	-1151.0
325	-6.06	0.375	0.200	15.0	9325.5	-1148.4
326	-5.98	0.375	0.176	14.5	9304.2	-1145.7
327	-5.90	0.375	0.176	14.5	9282.4	-1143.1
328	-5.83	0.375	0.176	14.5	9260.2	-1140.3
329	-5.75	0.375	0.176	14.5	9237.6	-1137.5
330	-5.68	0.375	0.176	14.5	9214.7	-1134.7
331	-5.61	0.375	0.176	14.5	9191.3	-1131.8
332	-5.53	0.375	0.176	14.5	9167.5	-1128.9
333	-5.45	0.375	0.176	14.5	9143.3	-1125.9
334	-5.38	0.375	0.200	15.0	9118.8	-1122.9
335	-5.30	0.375	0.200	15.0	9093.8	-1119.8
336	-5.23	0.375	0.200	15.0	9068.4	-1116.7
337	-5.15	0.374	0.200	15.0	9042.6	-1113.5
338	-5.08	0.374	0.200	15.0	9016.5	-1110.3
339	-5.00	0.374	0.200	15.0	8989.9	-1107.0
340	-4.93	0.374	0.200	15.0	8962.9	-1103.7
341	-4.85	0.374	0.200	15.0	8935.6	-1100.3
342	-4.78	0.374	0.200	15.0	8907.8	-1096.9
343	-4.70	0.374	0.200	15.0	8879.6	-1093.5
344	-4.63	0.374	0.200	15.0	8851.0	-1089.9
345	-4.55	0.374	0.200	15.0	8822.1	-1086.4
346	-4.47	0.374	0.200	15.0	8792.7	-1082.8
347	-4.40	0.374	0.200	15.0	8763.0	-1079.1
348	-4.32	0.374	0.200	15.0	8732.8	-1075.4
349	-4.25	0.374	0.200	15.0	8702.2	-1071.6
350	-4.17	0.374	0.200	15.0	8671.3	-1067.8
351	-4.10	0.374	0.200	15.0	8639.9	-1063.9
352	-4.02	0.374	0.200	15.0	8608.2	-1060.0
353	-3.95	0.374	0.200	15.0	8575.4	-1056.0
354	-3.87	0.374	0.200	15.0	8539.6	-1051.6
355	-3.80	0.374	0.200	15.0	8503.4	-1047.1
356	-3.72	0.374	0.200	15.0	8466.8	-1042.6
357	-3.65	0.374	0.200	15.0	8429.8	-1038.1
358	-3.57	0.374	0.200	15.0	8392.4	-1033.5
359	-3.50	0.374	0.200	15.0	8354.7	-1028.8
360	-3.42	0.374	0.200	15.0	8316.5	-1024.1
361	-3.35	0.374	0.200	15.0	8277.9	-1019.4
362	-3.27	0.374	0.200	15.0	8248.8	-1015.8
363	-3.20	0.374	0.200	15.0	8223.6	-1012.7
364	-3.12	0.374	0.200	15.0	8198.0	-1009.5
365	-3.05	0.374	0.200	15.0	8172.0	-1006.3
366	-2.97	0.373	0.200	15.0	8145.5	-1003.1
367	-2.90	0.373	0.200	15.0	8118.7	-999.8
368	-2.82	0.373	0.200	15.0	8106.5	-998.3
369	-2.75	0.373	0.200	15.0	8105.5	-998.1
370	-2.67	0.373	0.200	15.0	8097.7	-997.2
371	-2.60	0.373	0.200	15.0	8088.2	-996.0
372	-2.52	0.373	0.200	15.0	8078.3	-994.8
373	-2.45	0.373	0.200	15.0	8068.0	-993.5
374	-2.37	0.373	0.200	15.0	8057.4	-992.2
375	-2.30	0.373	0.200	15.0	8046.3	-990.8
376	-2.22	0.373	0.200	15.0	8034.9	-989.4
377	-2.14	0.373	0.200	15.0	8023.0	-988.0
378	-2.07	0.373	0.200	15.0	8010.8	-986.5
379	-2.00	0.373	0.200	15.0	7998.2	-984.9
380	-1.92	0.373	0.200	15.0	7985.1	-983.3

381	-1.85	0.373	0.200	15.0	7962.6	-980.5
382	-1.77	0.373	0.200	15.0	7922.4	-975.6
383	-1.69	0.373	0.200	15.0	7881.7	-970.6
384	-1.62	0.373	0.200	15.0	7840.7	-965.5
385	-1.54	0.373	0.200	15.0	7799.3	-960.4
386	-1.47	0.373	0.200	15.0	7757.4	-955.3
387	-1.40	0.373	0.200	15.0	7715.2	-950.1
388	-1.32	0.373	0.200	15.0	7672.6	-944.8
389	-1.24	0.373	0.200	15.0	7629.6	-939.5
390	-1.17	0.373	0.200	15.0	7586.2	-934.2
391	-1.10	0.373	0.200	15.0	7542.3	-928.8
392	-1.02	0.373	0.200	15.0	7498.1	-923.3
393	-0.94	0.373	0.200	15.0	7453.5	-917.8
394	-0.87	0.373	0.200	15.0	7408.6	-912.3
395	-0.79	0.373	0.200	15.0	7363.2	-906.7
396	-0.72	0.373	0.200	15.0	7317.4	-901.1
397	-0.65	0.373	0.200	15.0	7271.2	-895.4
398	-0.57	0.373	0.200	15.0	7224.7	-889.7
399	-0.49	0.373	0.200	15.0	7177.7	-883.9
400	-0.42	0.373	0.200	15.0	7130.0	-878.0
401	-0.34	0.373	0.200	15.0	7078.5	-871.7
402	-0.27	0.373	0.200	15.0	7026.7	-865.3
403	-0.20	0.373	0.200	15.0	6974.4	-858.8
404	-0.12	0.373	0.200	15.0	6921.7	-852.4
405	-0.04	0.373	0.200	15.0	6868.7	-845.8
406	0.03	0.373	0.200	15.0	6815.2	-839.2
407	0.11	0.373	0.200	15.0	6761.4	-832.6
408	0.18	0.373	0.200	15.0	6707.2	-825.9
409	0.25	0.373	0.200	15.0	6652.5	-819.2
410	0.33	0.373	0.200	15.0	6597.5	-812.4
411	0.41	0.373	0.200	15.0	6542.1	-805.6
412	0.48	0.373	0.200	15.0	6486.3	-798.7
413	0.56	0.373	0.200	15.0	6430.1	-791.8
414	0.63	0.373	0.200	15.0	6373.5	-784.8
415	0.71	0.373	0.200	15.0	6316.5	-777.8
416	0.78	0.373	0.200	15.0	6259.1	-770.8
417	0.86	0.373	0.200	15.0	6201.3	-763.6
418	0.93	0.373	0.200	15.0	6143.1	-756.5
419	1.01	0.373	0.200	15.0	6084.5	-749.3
420	1.08	0.373	0.200	15.0	6025.6	-742.0
421	1.16	0.373	0.200	15.0	5962.7	-734.3
422	1.23	0.373	0.200	15.0	5898.0	-726.3
423	1.31	0.373	0.200	15.0	5832.8	-718.3
424	1.38	0.373	0.200	15.0	5767.2	-710.2
425	1.46	0.373	0.200	15.0	5701.2	-702.1
426	1.53	0.373	0.200	15.0	5634.8	-693.9
427	1.61	0.373	0.200	15.0	5568.1	-685.7
428	1.68	0.373	0.200	15.0	5500.9	-677.4
429	1.76	0.373	0.200	15.0	5433.3	-669.1
430	1.83	0.373	0.200	15.0	5365.4	-660.7
431	1.90	0.373	0.200	15.0	5297.0	-652.3
432	1.98	0.373	0.200	15.0	5228.9	-643.9
433	2.05	0.373	0.200	15.0	5160.6	-635.5
434	2.13	0.373	0.200	15.0	5091.9	-627.0
435	2.21	0.373	0.200	15.0	5022.8	-618.5
436	2.28	0.373	0.200	15.0	4953.3	-610.0
437	2.36	0.373	0.200	15.0	4883.4	-601.4
438	2.43	0.373	0.200	15.0	4813.1	-592.7
439	2.51	0.373	0.200	15.0	4742.4	-584.0
440	2.58	0.373	0.200	15.0	4671.3	-575.2
441	2.66	0.373	0.200	15.0	4599.9	-566.4
442	2.73	0.373	0.200	15.0	4528.0	-557.6
443	2.81	0.373	0.200	15.0	4455.7	-548.7
444	2.88	0.373	0.200	15.0	4383.1	-539.7
445	2.96	0.373	0.200	15.0	4310.0	-530.7
446	3.03	0.374	0.200	15.0	4236.6	-521.7
447	3.11	0.374	0.200	15.0	4162.7	-512.6
448	3.18	0.374	0.200	15.0	4088.5	-503.5
449	3.26	0.374	0.200	15.0	4013.8	-494.3
450	3.33	0.374	0.200	15.0	3938.8	-485.0
451	3.41	0.374	0.200	15.0	3863.4	-475.7

452	3.48	0.374	0.200	15.0	3787.5	-466.4
453	3.56	0.374	0.200	15.0	3711.3	-457.0
454	3.63	0.374	0.200	15.0	3634.7	-447.6
455	3.71	0.374	0.200	15.0	3557.7	-438.1
456	3.78	0.374	0.200	15.0	3480.2	-428.6
457	3.86	0.374	0.200	15.0	3402.4	-419.0
458	3.93	0.374	0.200	15.0	3326.1	-409.6
459	4.01	0.374	0.200	15.0	3250.2	-400.2
460	4.08	0.374	0.200	15.0	3173.8	-390.8
461	4.16	0.374	0.200	15.0	3097.0	-381.4
462	4.23	0.374	0.200	15.0	3019.9	-371.9
463	4.31	0.374	0.200	15.0	2942.4	-362.3
464	4.38	0.374	0.200	15.0	2864.4	-352.7
465	4.46	0.374	0.200	15.0	2786.1	-343.1
466	4.54	0.374	0.200	15.0	2707.4	-333.4
467	4.61	0.374	0.200	15.0	2628.2	-323.6
468	4.68	0.374	0.200	15.0	2554.5	-314.6
469	4.76	0.374	0.200	15.0	2485.8	-306.1
470	4.84	0.374	0.200	15.0	2416.8	-297.6
471	4.91	0.374	0.200	15.0	2347.4	-289.1
472	4.98	0.374	0.200	15.0	2277.7	-280.5
473	5.06	0.374	0.200	15.0	2207.7	-271.9
474	5.14	0.374	0.200	15.0	2137.4	-263.2
475	5.21	0.375	0.200	15.0	2066.7	-254.5
476	5.29	0.375	0.200	15.0	1995.7	-245.8
477	5.36	0.375	0.200	15.0	1924.4	-237.0
478	5.44	0.375	0.200	15.0	1852.7	-228.1
479	5.51	0.375	0.200	15.0	1780.7	-219.3
480	5.59	0.375	0.200	15.0	1708.4	-210.4
481	5.66	0.375	0.200	15.0	1635.7	-201.4
482	5.74	0.375	0.200	15.0	1562.8	-192.4
483	5.81	0.375	0.200	15.0	1489.4	-183.4
484	5.89	0.375	0.200	15.0	1415.8	-174.3
485	5.96	0.375	0.200	15.0	1341.8	-165.2
486	6.04	0.375	0.200	15.0	1267.5	-156.1
487	6.12	0.375	0.200	15.0	1192.9	-146.9
488	6.19	0.375	0.200	15.0	1117.9	-137.7
489	6.27	0.375	0.200	15.0	1042.6	-128.4
490	6.34	0.375	0.200	15.0	966.9	-119.1
491	6.42	0.375	0.200	15.0	891.0	-109.7
492	6.49	0.375	0.200	15.0	814.7	-100.3
493	6.57	0.375	0.200	15.0	738.0	-90.9
494	6.65	0.376	0.200	15.0	645.7	-79.5
495	6.72	0.376	0.200	15.0	547.3	-67.4
496	6.80	0.376	0.200	15.0	448.5	-55.2
497	6.87	0.376	0.200	15.0	349.4	-43.0
498	6.95	0.376	0.200	15.0	250.0	-30.8
499	7.02	0.376	0.200	15.0	150.3	-18.5
500	7.10	0.376	0.200	15.0	50.2	-6.2

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	264.9	1030.8	834.2	558.0	-51.9
2	391.1	590.7	1052.6	615.4	-154.8
3	282.4	197.4	1346.5	672.4	-256.8
4	210.9	-149.7	1426.2	729.1	-357.8
5	169.7	-451.1	1510.9	785.3	-457.8
6	151.8	-707.7	1600.8	841.3	-556.9
7	-374.8	-459.6	1153.1	390.4	-625.5
8	-416.0	-182.4	843.4	428.4	-691.3
9	-494.8	123.5	946.2	466.1	-756.5
10	-615.3	457.5	1052.0	503.6	-821.0
11	-781.6	819.5	1161.0	540.8	-884.8
12	-997.7	1208.9	1272.9	577.8	-948.0
13	-1267.6	1625.3	1387.8	614.6	-1010.6
14	-1595.1	2068.4	1505.7	651.1	-1072.6
15	-1984.0	2537.7	1626.3	687.5	-1134.0
16	-2438.0	3032.9	1749.8	723.5	-1194.8

17	-2960.7	3553.6	1876.0	759.4	-1254.8
18	-3555.7	4099.4	2004.9	795.0	-1314.5
19	-4226.7	4670.0	2136.8	830.6	-1373.6
20	-4977.9	5265.2	2272.7	866.2	-1432.7
21	-5811.8	5884.7	2410.4	901.6	-1491.2
22	-6731.8	6528.1	2550.7	936.8	-1549.1
23	-7741.1	7195.0	2693.3	971.8	-1606.4
24	-8842.9	7885.1	2838.5	1006.5	-1663.2
25	-10040.1	8598.0	2985.9	1041.1	-1719.4
26	-11335.7	9333.2	3135.5	1075.4	-1774.9
27	-12732.9	10090.5	3287.6	1109.5	-1830.0
28	-14234.3	10869.5	3441.5	1143.4	-1884.4
29	-15842.9	11669.8	3597.9	1177.1	-1938.4
30	-17561.0	12491.0	3756.1	1210.6	-1991.7
31	-19391.6	13332.9	3916.4	1243.9	-2044.5
32	-21337.1	14194.9	4078.6	1277.0	-2096.7
33	-23400.1	15076.9	4242.9	1309.9	-2148.3
34	-25583.2	15978.3	4409.0	1342.6	-2199.5
35	-27888.4	16899.0	4576.9	1375.0	-2250.1
36	-30318.2	17838.4	4746.5	1407.3	-2300.1
37	-32874.9	18796.4	4917.8	1439.4	-2349.7
38	-35560.6	19772.5	5090.9	1471.3	-2398.6
39	-38376.9	20766.3	5265.2	1503.0	-2447.0
40	-41327.3	21777.8	5442.1	1534.6	-2495.1
41	-44412.3	22806.3	5619.3	1565.9	-2542.4
42	-47634.5	23851.6	5798.7	1597.0	-2589.3
43	-50995.6	24913.4	5979.3	1627.9	-2635.7
44	-54497.4	25991.3	6161.3	1658.7	-2681.5
45	-58141.4	27084.9	6344.5	1689.2	-2726.9
46	-61563.2	28194.3	6523.7	1719.8	-2772.1
47	-64432.3	29313.3	6709.6	1750.0	-2817.2
48	-67354.4	30441.2	6891.3	1780.9	-2862.2
49	-70334.8	31577.4	7079.4	1811.6	-2907.6
50	-73374.0	32721.8	7273.6	1842.1	-2953.8
51	-76471.5	33874.5	7474.2	1872.6	-3000.7
52	-79626.8	35034.7	7681.3	1903.8	-3048.8
53	-82840.3	36202.4	7895.9	1935.9	-3097.7
54	-86111.0	37377.3	8118.9	1968.8	-3147.1
55	-89440.0	38559.3	8350.8	2002.6	-3197.4
56	-92826.6	39748.2	8591.0	2037.3	-3248.3
57	-96269.9	40943.4	8839.5	2072.8	-3299.7
58	-99771.1	42145.0	9096.7	2109.2	-3351.6
59	-104168.0	43353.9	9362.8	2146.5	-3404.0
60	-109078.0	44573.5	9638.9	2184.8	-3457.8
61	-114122.1	45803.6	9925.7	2224.1	-3512.1
62	-119300.6	47044.0	10223.2	2264.4	-3567.8
63	-124614.2	48294.5	10531.5	2305.7	-3624.8
64	-130062.2	49554.5	10850.7	2348.0	-3683.1
65	-135647.1	50823.8	11181.8	2391.3	-3742.7
66	-141370.2	52102.6	11524.9	2435.6	-3803.6
67	-147228.3	53389.9	11879.9	2481.0	-3865.8
68	-153225.8	54686.1	12247.0	2527.4	-3929.3
69	-159359.0	55990.5	12626.3	2574.8	-3994.1
70	-165631.6	57302.9	13017.8	2623.2	-4060.2
71	-172041.9	58623.1	13421.5	2672.6	-4127.6
72	-178591.4	59950.9	13837.5	2723.0	-4196.3
73	-185286.6	61286.2	14265.8	2774.4	-4266.3
74	-192128.7	62629.8	14706.5	2826.8	-4337.6
75	-198610.8	63980.7	15159.5	2880.2	-4409.2
76	-204072.1	65335.7	15624.8	2934.6	-4482.1
77	-209588.0	66693.8	16102.5	2990.0	-4556.3
78	-215165.7	68054.4	16592.7	3046.4	-4631.8
79	-220807.8	69417.8	17095.5	3103.8	-4708.6
80	-226511.2	70783.5	17610.8	3162.2	-4786.7
81	-232276.0	72151.3	18138.7	3221.6	-4866.1
82	-238101.6	73520.9	18679.1	3282.0	-4946.8
83	-243989.6	74892.5	19232.0	3343.4	-5028.8
84	-249936.8	76265.5	19797.5	3405.8	-5112.1
85	-255943.2	77639.9	20375.7	3469.2	-5196.7
86	-262022.4	79016.4	20966.7	3533.6	-5282.6
87	-268177.0	80395.4	21570.5	3599.0	-5369.8

88	-274397.0	81777.4	10798.9	2642.9	-3937.2
89	-280679.5	83161.6	10904.7	2663.4	-3959.2
90	-287023.7	84547.8	11009.7	2683.8	-3980.9
91	-293429.3	85935.9	11114.1	2704.1	-4002.5
92	-299897.4	87325.9	11219.4	2724.3	-4023.8
93	-306425.7	88717.3	11322.6	2744.3	-4044.7
94	-313012.4	90109.7	11424.3	2764.1	-4064.9
95	-319659.1	91503.5	11527.0	2783.9	-4085.3
96	-326361.8	92897.8	11626.4	2803.5	-4104.8
97	-333125.7	94292.9	11729.7	2823.1	-4124.5
98	-339945.2	95688.4	11828.4	2842.4	-4143.6
99	-346820.7	97084.0	11927.3	2861.7	-4162.3
100	-338073.9	98472.2	-1022.8	2865.6	-4158.7
101	-328313.8	99842.5	-1895.8	2849.4	-4125.3
102	-318124.5	101195.4	-2284.4	2833.2	-4092.1
103	-307511.1	102530.6	-2669.4	2816.9	-4058.6
104	-296484.5	103848.6	-3046.0	2800.5	-4025.7
105	-285046.7	105149.1	-3421.6	2784.0	-3992.1
106	-273212.0	106432.2	-3785.8	2767.5	-3958.8
107	-260981.7	107697.8	-4149.6	2750.9	-3925.2
108	-248366.4	108946.2	-4505.2	2734.2	-3891.9
109	-235373.3	110177.7	-4855.3	2717.4	-3858.8
110	-222008.7	111392.1	-5200.8	2700.6	-3825.4
111	-208281.8	112589.4	-5539.2	2683.7	-3792.0
112	-194195.2	113769.8	-5875.9	2666.7	-3758.5
113	-179760.8	114933.4	-6203.3	2649.7	-3725.4
114	-164984.2	116080.1	-6526.6	2632.5	-3691.9
115	-149872.4	117210.2	-6844.5	2615.3	-3658.7
116	-134432.4	118323.8	-7157.1	2598.1	-3625.5
117	-118671.5	119420.7	-7464.3	2580.7	-3592.0
118	-102598.2	120501.0	-7764.9	2563.3	-3558.5
119	-86215.3	121565.1	-8063.4	2545.8	-3525.5
120	-69532.6	122612.9	-8354.3	2528.3	-3492.2
121	-52555.2	123644.3	-8641.7	2510.6	-3458.7
122	-35292.4	124659.5	-8921.6	2492.9	-3425.4
123	-17750.8	125658.9	-9196.4	2475.1	-3392.4
124	66.8	126642.2	-9469.5	2457.3	-3359.1
125	18146.8	127609.4	-9731.6	2439.3	-3325.6
126	36489.9	128560.9	-9994.7	2421.4	-3292.5
127	55086.4	129496.8	-10250.2	2403.3	-3259.5
128	73928.8	130417.0	-10499.8	2385.2	-3226.2
129	93013.5	131321.6	-10746.9	2366.9	-3192.9
130	112329.4	132210.8	-10985.2	2348.7	-3159.9
131	131873.4	133084.5	-11221.3	2330.3	-3126.7
132	151640.1	133942.9	-11453.1	2311.9	-3093.7
133	171621.7	134786.3	-11678.9	2293.4	-3060.7
134	191811.1	135614.4	-11899.2	2274.8	-3027.4
135	212204.0	136427.8	-12116.1	2256.2	-2994.7
136	224510.9	138135.6	-3174.3	1313.3	-2977.5
137	247158.0	139836.5	-8338.2	1313.5	-2970.8
138	270252.0	141529.9	-8561.5	1313.5	-2963.3
139	293798.9	143216.1	-8788.2	1313.5	-2956.1
140	323809.6	143727.2	-13930.2	2525.2	-2952.5
141	340642.6	144236.7	-5274.6	2531.9	-2957.4
142	357580.6	144744.1	-5326.9	2538.4	-2961.5
143	374627.2	145249.5	-5381.7	2544.8	-2965.8
144	391778.4	145752.6	-5434.3	2551.2	-2969.6
145	409033.9	146253.4	-5486.9	2557.4	-2973.4
146	426188.2	146779.5	-5435.4	2550.2	-2991.6
147	443523.3	147333.3	-5572.2	2541.6	-3011.1
148	461072.1	147914.5	-5730.9	2533.0	-3030.2
149	478842.0	148522.6	-5894.9	2524.3	-3048.6
150	496838.1	149157.1	-6062.5	2515.6	-3066.6
151	515075.1	149818.1	-6239.9	2506.9	-3084.7
152	533553.0	150504.9	-6417.8	2498.0	-3101.9
153	557770.2	151217.4	-10217.9	2489.1	-3119.0
154	590613.2	151943.4	-15963.1	2462.9	-3107.2
155	623812.1	152681.4	-16265.5	2434.6	-3091.8
156	657403.6	153421.7	-16582.2	2410.8	-3071.1
157	691309.0	154162.6	-16845.7	2387.7	-3049.3
158	725511.3	154904.1	-17098.3	2364.5	-3027.6

159	760015.5	155646.5	-17354.4	2341.4	-3006.1
160	794823.5	156389.6	-17612.1	2318.2	-2984.4
161	829923.3	157133.1	-17862.3	2294.9	-2962.3
162	865321.3	157876.9	-18117.2	2271.6	-2940.0
163	901020.3	158621.1	-18374.1	2248.3	-2917.9
164	936940.3	159403.5	-18440.1	2284.4	-2991.0
165	973507.6	160172.4	-18976.2	2239.8	-2934.4
166	998308.5	160927.8	-11296.4	2195.2	-2877.7
167	1002706.4	161693.0	2194.2	2187.8	-2880.4
168	1007162.7	162471.6	2154.7	2185.9	-2892.0
169	1011696.4	163263.2	2102.3	2184.0	-2903.2
170	1016311.3	164067.6	2047.3	2182.0	-2914.0
171	1021001.6	164884.5	1995.8	2180.0	-2924.5
172	1025775.0	165709.2	1944.1	2180.0	-2932.4
173	1030607.2	166533.4	1917.9	2184.1	-2935.7
174	1035435.6	167356.7	1933.0	2188.0	-2938.8
175	1040255.6	168179.0	1951.1	2192.0	-2941.5
176	1045071.4	169000.0	1966.1	2195.8	-2944.0
177	1049872.8	169819.6	1987.8	2199.6	-2946.1
178	1054663.4	170637.4	2007.0	2203.3	-2948.0
179	1059443.3	171453.4	2025.9	2206.9	-2949.6
180	1064208.2	172267.2	2047.6	2210.5	-2951.0
181	1068967.5	173079.4	2062.5	2214.0	-2952.7
182	1069783.2	173898.4	4687.7	2212.5	-2958.1
183	1061844.5	174731.3	10547.8	2223.5	-2982.6
184	1053864.9	175579.4	10613.9	2237.3	-3011.1
185	1045841.5	176442.0	10681.8	2250.9	-3038.9
186	1037779.5	177319.0	10746.0	2264.6	-3066.5
187	1029666.7	178209.9	10818.4	2278.1	-3093.4
188	1021504.9	179114.3	10889.3	2291.6	-3120.1
189	1013285.0	180032.0	10966.2	2305.0	-3146.3
190	1005000.4	180962.4	11047.5	2318.4	-3171.8
191	996650.7	181905.2	11128.9	2331.6	-3197.1
192	988229.4	182860.2	11214.5	2344.8	-3222.0
193	979734.5	183827.0	11301.2	2357.9	-3246.5
194	971156.4	184805.2	11394.4	2371.0	-3270.5
195	962494.2	185794.4	11488.1	2384.0	-3294.1
196	953747.6	186791.9	11584.5	2397.9	-3315.8
197	944923.5	187792.6	11682.2	2414.4	-3335.0
198	940057.3	188796.4	9078.0	2430.9	-3354.1
199	945928.3	189796.4	1900.7	2434.4	-3353.6
200	951803.7	190791.2	1900.3	2434.2	-3348.3
201	957663.3	191780.3	1913.2	2434.0	-3342.3
202	963503.5	192763.8	1928.5	2433.7	-3336.5
203	969324.2	193741.3	1943.5	2433.3	-3330.1
204	975122.0	194712.6	1960.8	2432.9	-3323.5
205	980900.3	195677.6	1975.6	2432.4	-3316.7
206	986658.0	196636.4	1991.0	2431.9	-3310.0
207	992392.6	197588.6	2007.9	2431.2	-3302.8
208	998100.0	198534.0	2027.4	2430.6	-3295.3
209	1003792.4	199472.7	2038.5	2429.9	-3288.0
210	1009454.4	200404.7	2059.9	2429.1	-3280.5
211	1005720.8	201330.4	8383.7	2429.8	-3274.9
212	995380.9	202255.7	12871.0	2445.2	-3289.4
213	984908.7	203180.6	13003.7	2460.5	-3303.8
214	974297.1	204104.6	13141.2	2475.8	-3317.6
215	963549.7	205027.6	13276.1	2491.0	-3331.4
216	952664.2	205949.4	13412.4	2506.1	-3344.8
217	941644.8	206868.3	13547.4	2521.7	-3356.9
218	930578.8	207767.8	13644.7	2546.1	-3361.1
219	919299.2	208647.7	13854.6	2570.4	-3365.0
220	1343326.0	140572.9	183000.0	75444.2	-4866.4
221	599472.3	141412.9	508443.2	2618.8	-3372.0
222	650038.6	142225.5	-27754.7	2623.1	-3348.7
223	731737.2	142970.8	-49044.1	2518.9	-3180.6
224	782196.9	143669.7	-28231.8	2404.2	-3023.2
225	779758.9	144364.3	7488.5	2394.0	-3009.2
226	777213.8	145059.9	7577.6	2399.1	-3015.1
227	774613.1	145756.3	7631.9	2404.1	-3020.8
228	771959.8	146453.3	7684.0	2409.1	-3026.1
229	769250.2	147150.6	7738.4	2414.0	-3031.2

230	749389.7	147849.1	19372.6	2421.2	-3039.4
231	715531.8	148561.7	28979.0	2469.2	-3099.8
232	688191.3	149287.6	24692.2	2517.0	-3159.4
233	681175.7	150017.5	10974.2	2536.4	-3182.2
234	674096.2	150747.8	11047.3	2546.3	-3192.1
235	666853.4	151488.8	11173.2	2550.3	-3206.7
236	658626.3	152386.4	11302.7	2404.0	-3221.8
237	651875.7	153295.7	10346.4	2407.1	-3236.5
238	645049.2	154216.1	10408.7	2410.1	-3250.5
239	638140.7	155147.2	10474.9	2413.0	-3264.1
240	631153.4	156089.1	10538.8	2415.9	-3277.7
241	624083.6	157041.6	10605.0	2418.8	-3291.0
242	616921.6	158003.8	10677.6	2421.6	-3303.5
243	613565.4	158954.1	8216.0	2436.3	-3305.8
244	613903.0	159886.2	5807.1	2443.2	-3294.2
245	614134.0	160800.2	5897.2	2449.9	-3282.7
246	614255.1	161696.1	5989.5	2456.7	-3271.0
247	614271.3	162573.7	6078.4	2463.3	-3259.3
248	614181.2	163433.0	6168.1	2469.9	-3247.3
249	613984.2	164273.5	6258.1	2476.5	-3234.8
250	613682.9	165095.5	6346.4	2482.9	-3222.6
251	613230.3	165905.4	6456.9	2486.0	-3213.4
252	612680.0	166705.2	6528.6	2487.5	-3204.8
253	612058.7	167494.8	6582.5	2489.0	-3196.0
254	611364.9	168274.1	6637.4	2490.4	-3187.1
255	610602.9	169042.9	6689.2	2491.8	-3178.0
256	609770.7	169801.1	6742.2	2493.1	-3168.7
257	608868.6	170548.7	6795.0	2494.4	-3159.2
258	607896.8	171285.5	6847.5	2495.6	-3149.6
259	606853.0	172011.3	6901.3	2496.8	-3139.8
260	605742.8	172726.1	6951.4	2497.9	-3129.8
261	604564.0	173429.8	7002.8	2498.9	-3119.7
262	603313.8	174122.1	7055.9	2499.9	-3109.4
263	601999.6	174803.6	7104.0	2500.9	-3099.4
264	600615.9	175473.1	7155.6	2501.8	-3088.3
265	599166.1	176131.5	7204.8	2502.6	-3078.0
266	597649.3	176778.2	7254.5	2503.4	-3067.0
267	596064.8	177413.5	7304.5	2504.1	-3056.4
268	594416.2	178036.9	7352.1	2504.8	-3045.1
269	592703.3	178648.7	7399.6	2505.5	-3034.2
270	590924.6	179248.5	7448.0	2506.0	-3022.6
271	589080.0	179836.5	7496.3	2506.5	-3011.4
272	587172.6	180412.2	7542.5	2507.0	-2999.6
273	585201.6	180975.6	7589.1	2507.4	-2987.6
274	583165.8	181526.9	7636.3	2507.8	-2975.9
275	581069.0	182065.7	7680.9	2508.1	-2963.7
276	578911.1	182592.2	7725.3	2508.3	-2951.7
277	576692.4	183106.5	7769.6	2508.5	-2939.6
278	574411.9	183608.0	7814.4	2508.7	-2926.9
279	572069.1	184097.0	7859.2	2508.8	-2914.6
280	569668.0	184573.1	7901.4	2508.8	-2901.7
281	567208.9	185036.5	7943.3	2508.8	-2889.0
282	564688.6	185487.2	7987.0	2508.8	-2876.3
283	562113.7	185925.2	8026.3	2508.7	-2863.4
284	559481.5	186350.4	8067.3	2508.5	-2850.4
285	556791.2	186762.2	8108.6	2508.3	-2836.9
286	554045.9	187161.0	8147.9	2508.0	-2823.6
287	549852.3	187546.9	9117.3	2508.0	-2810.6
288	544789.4	187919.4	9706.0	2509.9	-2799.2
289	539668.8	188278.9	9752.9	2511.8	-2788.0
290	534485.5	188625.3	9803.1	2513.7	-2776.7
291	529243.6	188958.6	9850.4	2515.5	-2765.3
292	523945.8	189278.6	9895.7	2517.2	-2753.7
293	518588.8	189585.2	9943.2	2518.9	-2742.1
294	517201.9	189878.5	7294.3	2520.0	-2729.6
295	518675.5	190157.4	5369.2	2514.3	-2709.9
296	520114.0	190423.0	5380.2	2508.6	-2690.9
297	521513.2	190674.2	5393.9	2502.8	-2671.0
298	522877.1	190912.0	5404.8	2497.0	-2651.9
299	524212.1	191134.3	5413.2	2491.8	-2631.5
300	525516.8	191341.3	5423.4	2487.1	-2611.5

301	526774.8	191532.4	5444.5	2482.3	-2591.1
302	527989.5	191707.9	5463.1	2477.5	-2570.7
303	529160.2	191867.5	5482.2	2472.6	-2550.2
304	530287.5	192011.5	5500.7	2467.6	-2529.7
305	531370.5	192139.7	5519.6	2462.6	-2509.2
306	532414.2	192252.7	5535.0	2457.6	-2489.0
307	533408.7	192349.7	5556.9	2452.5	-2468.0
308	534363.9	192431.4	5572.1	2447.3	-2447.8
309	535271.7	192497.5	5592.5	2442.1	-2427.2
310	536136.6	192548.4	5609.8	2436.8	-2406.9
311	536956.6	192583.9	5628.2	2431.5	-2386.3
312	537729.9	192603.4	5647.9	2426.2	-2365.2
313	538461.5	192607.8	5663.8	2420.7	-2344.9
314	536123.7	192597.2	7720.3	2416.3	-2325.4
315	533084.1	192572.0	8189.7	2414.1	-2308.9
316	530002.9	192531.9	8214.8	2412.0	-2291.8
317	526883.6	192477.2	8237.3	2409.8	-2275.1
318	523721.1	192407.5	8263.1	2407.5	-2258.0
319	520522.4	192322.9	8284.2	2405.2	-2240.8
320	517283.4	192223.4	8307.7	2402.8	-2223.6
321	515221.0	191963.0	7945.2	2551.8	-2206.7
322	511524.2	191688.1	9082.6	2549.3	-2189.8
323	507792.6	191398.3	9103.1	2546.7	-2172.4
324	504035.8	191093.7	9116.7	2544.1	-2155.0
325	500244.2	190774.2	9136.8	2541.4	-2137.6
326	495224.9	190586.5	9486.0	2387.5	-2120.5
327	491754.7	190383.8	8434.7	2384.8	-2103.0
328	488256.4	190166.7	8448.8	2382.0	-2085.9
329	484725.3	189934.8	8466.1	2379.2	-2068.3
330	481163.2	189688.5	8482.0	2376.3	-2051.1
331	477574.4	189427.8	8494.8	2373.3	-2033.9
332	473955.3	189152.3	8509.9	2370.4	-2016.3
333	470309.4	188862.5	8522.5	2367.3	-1999.0
334	467821.2	188412.5	8177.2	2514.8	-1981.3
335	463761.8	187947.8	9273.4	2511.6	-1963.6
336	459682.3	187469.4	9281.5	2508.3	-1946.6
337	455580.5	186976.0	9291.2	2505.0	-1928.5
338	451461.2	186468.9	9297.0	2501.6	-1911.5
339	447323.2	185947.4	9303.8	2498.1	-1893.7
340	443168.7	185411.8	9308.7	2494.6	-1876.3
341	438996.8	184862.3	9314.2	2491.1	-1858.9
342	434804.9	184298.4	9321.4	2487.5	-1841.1
343	430601.1	183720.6	9322.7	2483.8	-1823.6
344	426380.0	183128.9	9327.5	2480.1	-1806.2
345	422145.8	182523.0	9329.4	2476.4	-1788.3
346	417899.7	181903.4	9330.3	2472.5	-1770.9
347	413636.5	181269.7	9334.6	2468.7	-1753.1
348	409368.0	180622.3	9330.5	2464.7	-1735.6
349	405083.9	179961.3	9333.4	2460.8	-1718.1
350	400792.1	179286.7	9330.6	2456.7	-1700.7
351	396486.6	178598.3	9331.9	2452.6	-1682.8
352	392178.1	177896.8	9325.4	2448.5	-1665.7
353	387861.7	177181.1	9323.1	2444.6	-1647.8
354	383546.6	176449.9	9316.8	2441.7	-1629.4
355	379226.3	175703.8	9314.8	2438.7	-1611.7
356	374891.0	174942.3	9319.7	2435.7	-1593.4
357	370553.1	174165.8	9315.7	2432.6	-1575.4
358	366202.6	173374.3	9318.4	2429.5	-1557.4
359	361847.2	172568.0	9315.7	2426.3	-1539.4
360	357485.8	171746.8	9313.5	2423.0	-1521.5
361	353115.1	170910.7	9313.6	2419.8	-1503.3
362	348699.1	170065.6	9328.5	2412.3	-1487.2
363	344272.5	169214.5	9313.9	2403.0	-1472.2
364	339860.6	168357.1	9281.4	2393.7	-1456.9
365	335461.0	167493.0	9250.6	2384.4	-1441.3
366	331077.4	166622.8	9216.8	2375.0	-1425.9
367	326350.5	165746.4	9437.7	2365.5	-1410.6
368	316210.2	164862.1	13266.0	2360.1	-1397.5
369	306158.7	163969.5	13200.2	2357.9	-1387.1
370	296209.4	163064.3	13131.9	2358.3	-1374.8
371	286338.5	162146.0	13081.5	2359.2	-1362.6

372	276542.0	161214.7	13033.6	2360.0	-1350.4
373	266820.1	160270.4	12985.5	2360.7	-1338.1
374	257172.5	159313.1	12937.4	2361.4	-1325.8
375	247603.4	158342.8	12886.2	2362.1	-1313.4
376	238114.7	157359.5	12833.3	2362.7	-1301.0
377	228707.0	156362.9	12780.1	2363.3	-1288.3
378	219386.5	155353.8	12721.8	2363.7	-1276.2
379	210151.4	154331.8	12664.9	2364.2	-1263.7
380	201004.8	153296.8	12605.5	2364.5	-1251.2
381	196406.6	152250.1	9361.8	2362.4	-1237.2
382	192645.4	151193.5	8748.6	2355.3	-1220.6
383	188906.2	150126.8	8716.1	2348.3	-1203.7
384	185190.9	149050.9	8681.8	2341.1	-1187.5
385	181495.5	147965.1	8650.3	2333.9	-1170.7
386	177822.2	146869.9	8617.1	2326.6	-1154.2
387	174175.5	145765.7	8580.3	2319.3	-1138.2
388	170550.6	144652.0	8547.0	2311.9	-1121.5
389	166951.3	143529.2	8510.7	2304.5	-1105.3
390	163377.2	142397.4	8474.4	2297.0	-1089.0
391	159830.0	141257.1	8436.7	2289.4	-1073.2
392	156307.0	140107.8	8400.9	2281.8	-1056.8
393	152809.7	138949.8	8363.7	2274.2	-1040.7
394	149341.8	137783.3	8323.9	2266.4	-1024.7
395	145901.8	136608.4	8284.7	2258.6	-1008.8
396	142488.4	135425.3	8246.4	2250.8	-993.0
397	139108.9	134234.3	8202.6	2242.9	-977.5
398	135752.9	133035.0	8166.2	2234.9	-961.5
399	132429.7	131827.9	8122.8	2226.9	-945.8
400	129138.5	130612.7	8080.3	2218.9	-930.2
401	125891.5	129388.0	8032.4	2212.4	-914.2
402	122672.2	128153.8	7996.2	2205.7	-898.3
403	119486.0	126910.6	7955.7	2199.0	-882.8
404	116328.4	125658.0	7918.6	2192.2	-866.8
405	113203.0	124396.2	7878.6	2185.4	-851.2
406	110109.5	123125.6	7838.6	2178.5	-835.6
407	107048.3	121846.3	7798.0	2171.5	-820.2
408	104020.3	120558.4	7756.8	2164.5	-804.8
409	101025.2	119262.3	7715.4	2157.4	-789.8
410	98063.8	117957.7	7673.5	2150.3	-774.4
411	95137.8	116645.0	7630.0	2143.1	-759.3
412	92245.4	115324.3	7587.7	2135.9	-744.3
413	89391.7	113995.8	7541.4	2128.6	-729.5
414	86573.7	112659.9	7497.1	2121.2	-715.0
415	83788.8	111316.3	7454.6	2113.8	-700.0
416	81043.4	109965.4	7407.2	2106.3	-685.5
417	78335.5	108607.3	7361.1	2098.7	-671.0
418	75665.8	107242.3	7314.3	2091.1	-656.7
419	73033.1	105870.4	7268.2	2083.5	-642.5
420	70570.0	104492.2	7126.1	2075.7	-628.6
421	68690.4	103107.8	6682.3	2066.9	-614.0
422	66830.2	101718.0	6644.6	2057.7	-599.6
423	64990.4	100323.0	6605.8	2048.3	-585.3
424	63175.6	98922.9	6563.6	2038.9	-571.2
425	61382.0	97518.0	6523.9	2029.5	-557.2
426	59611.2	96108.4	6483.0	2019.9	-543.4
427	57863.4	94694.4	6441.5	2010.4	-529.6
428	56138.9	93276.1	6399.8	2000.7	-516.0
429	54439.2	91853.8	6356.8	1991.0	-502.6
430	52762.1	90427.6	6315.2	1981.2	-489.3
431	51107.8	88997.8	6273.1	1971.3	-476.1
432	49477.4	87564.6	6229.6	1961.2	-462.9
433	47871.6	86128.8	6184.9	1950.8	-450.3
434	46290.1	84690.4	6140.5	1940.4	-437.7
435	44732.6	83249.4	6096.0	1930.0	-425.0
436	43202.4	81806.4	6048.8	1919.5	-412.8
437	41697.0	80361.2	6003.4	1908.9	-400.4
438	40217.0	78914.5	5957.3	1898.2	-388.5
439	38762.2	77466.0	5911.2	1887.5	-376.4
440	37335.3	76016.2	5862.8	1876.7	-364.6
441	35933.6	74565.4	5816.3	1865.8	-353.0
442	34557.4	73113.6	5769.4	1854.9	-341.6

443	33208.7	71661.2	5720.8	1843.9	-330.3
444	31886.7	70208.3	5672.6	1832.8	-319.2
445	30592.4	68755.3	5623.4	1821.7	-308.2
446	29323.2	67302.1	5576.0	1810.5	-297.3
447	28081.0	65849.1	5527.0	1799.3	-286.6
448	26867.8	64396.7	5476.3	1787.9	-276.2
449	25681.0	62945.0	5427.3	1776.5	-265.9
450	24521.5	61494.3	5377.4	1765.0	-255.7
451	23389.5	60044.7	5327.3	1753.5	-245.8
452	22284.3	58596.5	5277.5	1741.9	-235.8
453	21208.9	57150.1	5225.1	1730.2	-226.4
454	20158.2	55705.5	5176.5	1718.4	-216.8
455	19136.8	54263.0	5124.2	1706.6	-207.6
456	18143.8	52823.0	5072.3	1694.7	-198.5
457	17177.2	51385.5	5021.8	1682.8	-189.5
458	16235.6	49951.9	4970.0	1669.9	-180.8
459	15320.8	48522.6	4915.8	1656.7	-172.5
460	14434.3	47098.1	4860.3	1643.3	-164.3
461	13576.1	45678.5	4804.6	1629.9	-156.2
462	12745.5	44263.9	4749.3	1616.5	-148.3
463	11943.7	42854.7	4692.8	1602.9	-140.6
464	11170.7	41451.3	4636.2	1589.3	-133.1
465	10425.2	40053.8	4580.3	1575.6	-125.8
466	9706.6	38662.4	4524.7	1561.9	-118.6
467	9017.0	37277.4	4467.2	1548.0	-111.7
468	8346.7	35901.9	4410.3	1531.6	-105.2
469	7697.0	34538.5	4346.2	1512.8	-99.2
470	7075.5	33187.3	4276.5	1493.9	-93.0
471	6482.8	31848.7	4205.8	1474.8	-87.3
472	5919.8	30523.2	4134.2	1455.6	-81.8
473	5383.3	29210.9	4064.7	1436.3	-76.3
474	4874.6	27911.9	3994.0	1417.0	-71.0
475	4393.8	26626.8	3922.8	1397.4	-66.0
476	3939.7	25355.7	3852.3	1377.8	-61.0
477	3512.9	24098.9	3781.1	1358.1	-56.3
478	3112.5	22856.9	3710.1	1338.2	-51.8
479	2737.9	21629.7	3639.4	1318.3	-47.4
480	2389.7	20417.7	3567.9	1298.2	-43.2
481	2066.6	19221.4	3497.0	1278.0	-39.2
482	1768.3	18040.8	3426.2	1257.7	-35.4
483	1495.0	16876.3	3354.8	1237.2	-31.8
484	1245.7	15728.2	3283.9	1216.7	-28.3
485	1020.6	14596.9	3212.6	1196.0	-25.0
486	818.7	13482.6	3141.7	1175.3	-21.9
487	639.9	12385.6	3070.6	1154.4	-19.0
488	484.1	11306.2	2999.3	1133.3	-16.4
489	350.1	10244.8	2928.5	1112.2	-13.9
490	238.0	9201.6	2857.4	1090.9	-11.6
491	147.0	8177.1	2786.6	1069.5	-9.5
492	77.0	7171.4	2715.6	1048.0	-7.6
493	60.6	6184.9	2620.1	1026.4	-5.9
494	139.6	5222.2	2481.9	1000.2	-4.3
495	185.8	4285.3	2434.2	972.1	-2.9
496	202.1	3374.4	2384.0	944.0	-1.8
497	190.0	2490.1	2332.5	915.6	-0.9
498	151.2	1632.6	2279.4	887.2	-0.3
499	87.3	802.5	2224.7	858.6	0.0
500	0.0	0.0	2168.6	829.9	0.1

Σ			1140864.1	-1101496.2
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VERIFICA STABILITA' DEI PENDII

 Sezione B-B - Condizione Sismica senza falda -

DATI GENERALI

Unità di misura utilizzate: lunghezza: m; pressione: Kg/cm2; peso specifico: kg/m3;
 forza lineare: Kg/m.

Massima larghezza concio di calcolo: 0.200
 Prodotto dei coefficienti sismici :-0.116
 Coefficiente sismico verticale : 0.058
 Coefficiente riduzione attrito : 1.000
 Coefficiente riduzione coesione : 1.000
 Coeff. amplific. carichi esercizio : 1.000
 Coeff. carichi esercizio per sisma : 1.000
 Forza Orizzontale Applicata : 0.000

COORDINATE DEI PROFILI

Profilo	Nodo	X	Y

Pendio	1	143.630	176.240
Pendio	2	148.430	174.140
Pendio	3	156.260	178.470
Pendio	4	166.250	183.400
Pendio	5	171.110	185.840
Pendio	6	176.630	186.430
Pendio	7	186.230	187.090
Pendio	8	201.220	187.090
Pendio	9	221.600	185.710
Pendio	10	226.330	184.920
Pendio	11	232.440	184.390
Pendio	12	241.520	182.940
Pendio	13	256.500	173.280
Pendio	14	261.500	170.520
Pendio	15	266.360	166.510
Pendio	16	272.350	165.200
Pendio	17	278.330	165.200
Pendio	18	283.060	164.080
Pendio	19	287.140	164.080
Pendio	20	287.990	162.500
Pendio	21	290.160	162.300
Pendio	22	291.020	162.760
Pendio	23	295.030	162.700
Pendio	24	311.390	160.130
Pendio	25	314.020	159.810
Pendio	26	321.390	158.100
Pendio	27	341.440	154.610
Pendio	28	346.370	154.280
Pendio	29	361.160	151.720
Pendio	30	388.370	146.460
Pendio	31	398.760	143.570
Pendio	32	406.190	141.730
Pendio	33	409.340	140.940
Pendio	34	415.130	138.700
Pendio	35	428.010	132.520
Pendio	36	430.050	132.060
Pendio	37	436.100	129.110
Pendio	38	440.040	127.460
Pendio	39	449.770	124.180
Pendio	40	463.640	118.920
Pendio	41	469.030	116.290
Pendio	42	482.830	110.900
	2	1	149.390
	2	2	149.390
	2	3	161.310
	2	4	166.430
	2	5	171.130
	2	6	176.410

2	7	186.380	186.010
2	8	191.180	186.120
2	9	196.460	186.270
2	10	201.260	186.060
2	11	206.430	185.590
2	12	211.390	185.270
2	13	221.470	184.480
2	14	231.390	183.480
2	15	236.300	182.740
2	16	241.470	181.370
2	17	256.460	171.970
2	18	266.220	165.590
2	19	266.220	166.626
3	1	150.170	174.027
3	2	150.170	173.250
3	3	165.490	168.280
3	4	169.030	167.310
3	5	171.250	166.700
3	6	176.620	165.130
3	7	186.420	161.660
3	8	191.500	159.830
3	9	199.270	159.120
3	10	218.090	159.080
3	11	221.280	158.690
3	12	231.840	158.760
3	13	235.520	158.330
3	14	241.540	158.330
3	15	246.010	158.650
3	16	251.740	161.010
3	17	261.400	163.800
3	18	265.550	165.020
3	19	265.550	166.028
4	1	146.530	174.971
4	2	146.530	173.560
4	3	156.230	170.110
4	4	161.340	168.680
4	5	166.330	166.870
4	6	169.080	166.300
4	7	171.150	165.700
4	8	181.420	162.430
4	9	191.350	158.750
4	10	199.410	158.120
4	11	217.600	158.060
4	12	221.440	157.520
4	13	235.880	157.610
4	14	241.500	157.350
4	15	246.440	157.630
4	16	251.710	159.930
4	17	256.510	161.310
4	18	266.090	164.380
4	19	268.610	165.500
4	20	268.610	166.018
5	1	266.630	164.620
5	2	266.630	164.090
5	3	268.570	162.610
5	4	286.080	162.582
5	5	286.080	164.080
6	1	147.230	173.311
6	2	147.230	158.320
6	3	161.310	156.790
6	4	171.540	155.930
6	5	181.630	155.400
6	6	191.790	154.530
6	7	199.030	153.870
6	8	216.300	153.670
6	9	219.020	153.470
6	10	231.370	153.410
6	11	233.430	153.210
6	12	245.850	153.010
6	13	248.310	153.540
6	14	251.820	153.540

6	15	254.350	152.940
6	16	257.870	154.000
6	17	267.030	153.870
6	18	271.220	153.070
6	19	277.860	153.210
6	20	279.920	152.340
6	21	283.500	152.410
6	22	286.080	150.824
6	23	286.080	162.582
7	1	286.080	150.824
7	2	286.080	146.080
7	3	286.700	146.080
7	4	286.700	164.080
8	1	286.700	164.080
8	2	286.700	162.581
8	3	287.540	162.580
8	4	287.540	163.336
9	1	286.700	164.080
9	2	286.700	150.516
9	3	287.490	150.220
9	4	291.140	150.280
9	5	291.870	150.680
9	6	294.060	150.750
9	7	299.310	149.490
9	8	303.690	149.420
9	9	308.340	148.230
9	10	311.530	148.030
9	11	317.170	146.630
9	12	321.090	146.370
9	13	324.340	145.170
9	14	328.200	144.910
9	15	334.970	143.250
9	16	336.360	143.050
9	17	341.880	142.250
9	18	346.130	142.050
9	19	354.830	140.460
9	20	376.080	136.670
9	21	385.640	134.680
9	22	395.200	132.020
9	23	402.770	130.230
9	24	409.550	128.040
9	25	412.930	126.840
9	26	419.510	123.190
9	27	430.130	118.670
9	28	440.030	114.820
9	29	446.470	112.830
9	30	448.400	111.830
9	31	453.380	109.710
9	32	453.380	122.811

CARATTERISTICHE DEGLI STRATI

Num	Descrizione	Gamma	CU	FI	Porosità
1	COPERTURA	1900.0	0.12	19.60	0.00
2	RIFIUTI	1300.0	0.01	19.60	0.00
3	IMPERMEABILIZZANTE	1900.0	0.00	11.30	0.00
4	ARGINE	1900.0	0.40	25.00	0.00
5	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
6	Fila 3	2500.0	18.30	0.00	1.00
7	ARGINE	1900.0	0.40	25.00	0.00
8	DEPOSITI ALLUVIONALI	1900.0	0.20	15.00	0.00
9	STRATO DI BASE	1900.0	0.18	14.50	0.00

GEOMETRIA DEI CERCHI DI SCORRIMENTO

num	X centro	Y centro	Raggio
1	322.99	321.97	173.57
2	336.81	340.85	194.70
3	327.95	358.99	210.76
4	329.24	349.96	202.36
5	341.46	374.17	228.16
6	332.97	344.26	197.72
7	338.70	338.74	193.11
8	306.77	341.79	190.87
9	314.56	338.89	189.31
10	316.56	350.27	201.40

COORDINATE DELLE SUPERFICI DI SCORRIMENTO

num	Nodo	X	Y

CARICHI SUL PENDIO

Tratto	Lunghezza	Permanente sin	Variabile sin	Permanente des	Variabile des

RISULTATI

Calcolo effettuato con il metodo di janbu
RIEPILOGO CERCHI

num	X centro	Y centro	Raggio	F	Sit Carico
1	322.99	321.97	173.57	1.383	1
1	322.99	321.97	173.57	1.388	2
2	336.81	340.85	194.70	1.356	1
2	336.81	340.85	194.70	1.355	2
3	327.95	358.99	210.76	1.311	1
3	327.95	358.99	210.76	1.308	2
4	329.24	349.96	202.36	1.312	1
4	329.24	349.96	202.36	1.309	2
5	341.46	374.17	228.16	1.341	1
5	341.46	374.17	228.16	1.339	2
6	332.97	344.26	197.72	1.316	1
6	332.97	344.26	197.72	1.313	2
7	338.70	338.74	193.11	1.365	1
7	338.70	338.74	193.11	1.365	2
8	306.77	341.79	190.87	1.263	1
8	306.77	341.79	190.87	1.254	2
9	314.56	338.89	189.31	1.272	1
9	314.56	338.89	189.31	1.266	2
10	316.56	350.27	201.40	1.264	1
10	316.56	350.27	201.40	1.255	2

CERCHIO CRITICO N° 8

Larghezza del concio.....=0.297

Situazione di carico numero 2

Coefficiente di sicurezza F =1.254

Coefficiente di forma =0.10384

Coefficiente F/Fo =1.04648

Numero iterazioni = 2

Precisione =0.00070

Concio n°	Alfa °	L ml	CU kg/cm2	FI °	W kg/ml	WS kg/ml
1	-35.80	0.366	0.120	19.6	57.0	-7.0
2	-35.69	0.366	0.120	19.6	170.5	-21.0
3	-35.58	0.365	0.120	19.6	283.7	-34.9
4	-35.47	0.365	0.120	19.6	396.3	-48.8
5	-35.36	0.364	0.008	19.6	486.3	-59.9
6	-35.25	0.364	0.008	19.6	563.1	-69.3
7	-35.14	0.363	0.008	19.6	641.4	-79.0
8	-35.04	0.363	0.008	19.6	719.5	-88.6
9	-34.92	0.362	0.008	19.6	797.2	-98.2
10	-34.82	0.362	0.008	19.6	874.6	-107.7
11	-34.71	0.361	0.008	19.6	951.7	-117.2
12	-34.60	0.361	0.008	19.6	1028.5	-126.7
13	-34.49	0.360	0.008	19.6	1105.0	-136.1
14	-34.38	0.360	0.008	19.6	1181.2	-145.5
15	-34.28	0.359	0.008	19.6	1257.2	-154.8
16	-34.17	0.359	0.008	19.6	1332.8	-164.1
17	-34.06	0.358	0.008	19.6	1408.1	-173.4
18	-33.95	0.358	0.008	19.6	1483.1	-182.6
19	-33.84	0.358	0.008	19.6	1557.8	-191.8
20	-33.74	0.357	0.008	19.6	1632.3	-201.0
21	-33.63	0.357	0.008	19.6	1706.4	-210.1
22	-33.52	0.356	0.008	19.6	1776.1	-218.7
23	-33.42	0.356	0.008	19.6	1841.3	-226.7
24	-33.31	0.355	0.008	19.6	1906.2	-234.7
25	-33.20	0.355	0.008	19.6	1970.9	-242.7
26	-33.10	0.354	0.008	19.6	2035.2	-250.6
27	-32.99	0.354	0.008	19.6	2099.3	-258.5
28	-32.88	0.354	0.008	19.6	2163.1	-266.4
29	-32.78	0.353	0.008	19.6	2226.6	-274.2
30	-32.67	0.353	0.008	19.6	2289.9	-282.0
31	-32.57	0.352	0.008	19.6	2352.8	-289.7
32	-32.46	0.352	0.008	19.6	2415.5	-297.4
33	-32.36	0.352	0.008	19.6	2477.8	-305.1
34	-32.25	0.351	0.008	19.6	2540.0	-312.8
35	-32.15	0.351	0.008	19.6	2601.8	-320.4
36	-32.04	0.350	0.008	19.6	2663.3	-328.0
37	-31.93	0.350	0.008	19.6	2724.6	-335.5
38	-31.83	0.349	0.008	19.6	2785.6	-343.0
39	-31.73	0.349	0.008	19.6	2846.3	-350.5
40	-31.62	0.349	0.008	19.6	2905.6	-357.8
41	-31.52	0.348	0.008	19.6	2964.5	-365.1
42	-31.41	0.348	0.008	19.6	3023.0	-372.3
43	-31.30	0.348	0.008	19.6	3081.4	-379.4
44	-31.20	0.347	0.008	19.6	3139.4	-386.6
45	-31.10	0.347	0.008	19.6	3197.2	-393.7
46	-30.99	0.346	0.008	19.6	3254.8	-400.8
47	-30.89	0.346	0.008	19.6	3312.0	-407.8
48	-30.79	0.346	0.008	19.6	3369.0	-414.9
49	-30.68	0.345	0.008	19.6	3425.7	-421.9
50	-30.58	0.345	0.008	19.6	3482.2	-428.8
51	-30.48	0.345	0.008	19.6	3538.4	-435.7
52	-30.37	0.344	0.008	19.6	3594.3	-442.6
53	-30.27	0.344	0.008	19.6	3650.0	-449.5
54	-30.17	0.343	0.008	19.6	3705.4	-456.3
55	-30.06	0.343	0.008	19.6	3760.5	-463.1
56	-29.96	0.343	0.008	19.6	3815.6	-469.9
57	-29.86	0.342	0.008	19.6	3870.9	-476.7
58	-29.75	0.342	0.008	19.6	3926.0	-483.5
59	-29.65	0.342	0.008	19.6	3980.8	-490.2
60	-29.55	0.341	0.008	19.6	4035.3	-496.9
61	-29.45	0.341	0.008	19.6	4089.6	-503.6
62	-29.34	0.341	0.008	19.6	4143.7	-510.3
63	-29.24	0.340	0.008	19.6	4197.5	-516.9
64	-29.14	0.340	0.008	19.6	4251.0	-523.5
65	-29.04	0.340	0.008	19.6	4304.3	-530.0
66	-28.93	0.339	0.008	19.6	4357.3	-536.6
67	-28.84	0.339	0.008	19.6	4410.1	-543.1

68	-28.73	0.339	0.008	19.6	4462.7	-549.5
69	-28.63	0.338	0.008	19.6	4514.9	-556.0
70	-28.53	0.338	0.008	19.6	4567.0	-562.4
71	-28.43	0.338	0.008	19.6	4618.8	-568.8
72	-28.33	0.337	0.008	19.6	4670.3	-575.1
73	-28.23	0.337	0.008	19.6	4721.6	-581.4
74	-28.13	0.337	0.008	19.6	4772.7	-587.7
75	-28.02	0.336	0.008	19.6	4823.5	-594.0
76	-27.92	0.336	0.008	19.6	4874.0	-600.2
77	-27.82	0.336	0.008	19.6	4924.4	-606.4
78	-27.72	0.335	0.008	19.6	4974.4	-612.6
79	-27.62	0.335	0.008	19.6	5024.3	-618.7
80	-27.52	0.335	0.008	19.6	5073.9	-624.8
81	-27.42	0.335	0.008	19.6	5123.2	-630.9
82	-27.32	0.334	0.008	19.6	5172.3	-636.9
83	-27.22	0.334	0.008	19.6	5221.2	-642.9
84	-27.12	0.334	0.008	19.6	5269.8	-648.9
85	-27.02	0.333	0.008	19.6	5318.2	-654.9
86	-26.92	0.333	0.008	19.6	5366.4	-660.8
87	-26.82	0.333	0.008	19.6	5414.3	-666.7
88	-26.72	0.332	0.008	19.6	5462.0	-672.6
89	-26.62	0.332	0.008	19.6	5509.4	-678.4
90	-26.52	0.332	0.008	19.6	5556.9	-684.3
91	-26.42	0.332	0.008	19.6	5592.0	-688.6
92	-26.32	0.331	0.008	19.6	5624.2	-692.6
93	-26.22	0.331	0.008	19.6	5656.2	-696.5
94	-26.12	0.331	0.008	19.6	5687.9	-700.4
95	-26.02	0.330	0.008	19.6	5719.4	-704.3
96	-25.92	0.330	0.008	19.6	5750.7	-708.2
97	-25.82	0.330	0.008	19.6	5781.7	-712.0
98	-25.73	0.330	0.008	19.6	5812.5	-715.8
99	-25.63	0.329	0.008	19.6	5843.1	-719.5
100	-25.53	0.329	0.008	19.6	5873.4	-723.3
101	-25.43	0.329	0.008	19.6	5903.5	-727.0
102	-25.33	0.329	0.008	19.6	5933.4	-730.7
103	-25.23	0.328	0.008	19.6	5963.1	-734.3
104	-25.13	0.328	0.008	19.6	5992.5	-737.9
105	-25.03	0.328	0.008	19.6	6021.7	-741.5
106	-24.94	0.327	0.008	19.6	6050.7	-745.1
107	-24.84	0.327	0.008	19.6	6090.9	-750.0
108	-24.74	0.327	0.008	19.6	6132.1	-755.1
109	-24.64	0.327	0.008	19.6	6173.0	-760.2
110	-24.54	0.326	0.008	19.6	6213.8	-765.2
111	-24.45	0.326	0.008	19.6	6254.3	-770.2
112	-24.35	0.326	0.008	19.6	6294.6	-775.1
113	-24.25	0.326	0.008	19.6	6334.7	-780.1
114	-24.15	0.325	0.008	19.6	6374.5	-785.0
115	-24.05	0.325	0.008	19.6	6414.2	-789.9
116	-23.96	0.325	0.008	19.6	6453.6	-794.7
117	-23.86	0.325	0.008	19.6	6492.8	-799.5
118	-23.76	0.324	0.008	19.6	6531.8	-804.3
119	-23.66	0.324	0.008	19.6	6570.5	-809.1
120	-23.57	0.324	0.008	19.6	6609.1	-813.9
121	-23.47	0.324	0.008	19.6	6647.4	-818.6
122	-23.37	0.323	0.008	19.6	6685.5	-823.3
123	-23.28	0.323	0.008	19.6	6723.4	-827.9
124	-23.18	0.323	0.008	19.6	6763.2	-832.8
125	-23.08	0.323	0.008	19.6	6803.2	-837.8
126	-22.98	0.323	0.008	19.6	6842.9	-842.6
127	-22.89	0.322	0.008	19.6	6878.7	-847.1
128	-22.79	0.322	0.008	19.6	6906.5	-850.5
129	-22.70	0.322	0.008	19.6	6934.0	-853.9
130	-22.60	0.322	0.008	19.6	6961.4	-857.2
131	-22.50	0.321	0.008	19.6	6988.5	-860.6
132	-22.41	0.321	0.008	19.6	7015.5	-863.9
133	-22.31	0.321	0.008	19.6	7042.2	-867.2
134	-22.21	0.321	0.008	19.6	7068.7	-870.5
135	-22.12	0.321	0.008	19.6	7095.0	-873.7
136	-22.02	0.320	0.008	19.6	7121.1	-876.9
137	-21.93	0.320	0.008	19.6	7146.9	-880.1
138	-21.83	0.320	0.008	19.6	7172.6	-883.3

139	-21.73	0.320	0.008	19.6	7198.1	-886.4
140	-21.64	0.319	0.008	19.6	7225.1	-889.7
141	-21.54	0.319	0.008	19.6	7255.9	-893.5
142	-21.45	0.319	0.008	19.6	7286.4	-897.3
143	-21.35	0.319	0.008	19.6	7316.7	-901.0
144	-21.25	0.319	0.008	19.6	7346.8	-904.7
145	-21.16	0.318	0.008	19.6	7376.7	-908.4
146	-21.06	0.318	0.008	19.6	7406.4	-912.0
147	-20.97	0.318	0.008	19.6	7435.9	-915.7
148	-20.87	0.318	0.008	19.6	7465.1	-919.3
149	-20.78	0.318	0.008	19.6	7494.2	-922.9
150	-20.68	0.317	0.008	19.6	7523.1	-926.4
151	-20.59	0.317	0.008	19.6	7551.7	-929.9
152	-20.49	0.317	0.008	19.6	7580.2	-933.4
153	-20.40	0.317	0.008	19.6	7608.4	-936.9
154	-20.30	0.317	0.008	19.6	7636.5	-940.4
155	-20.21	0.316	0.008	19.6	7664.3	-943.8
156	-20.11	0.316	0.008	19.6	7692.0	-947.2
157	-20.01	0.316	0.008	19.6	7719.4	-950.6
158	-19.92	0.316	0.008	19.6	7706.2	-949.0
159	-19.83	0.316	0.008	19.6	7674.7	-945.1
160	-19.73	0.315	0.008	19.6	7643.1	-941.2
161	-19.64	0.315	0.008	19.6	7611.2	-937.3
162	-19.54	0.315	0.008	19.6	7579.1	-933.3
163	-19.45	0.315	0.008	19.6	7546.8	-929.3
164	-19.35	0.315	0.008	19.6	7514.3	-925.3
165	-19.26	0.315	0.008	19.6	7481.6	-921.3
166	-19.16	0.314	0.008	19.6	7448.7	-917.3
167	-19.07	0.314	0.008	19.6	7415.6	-913.2
168	-18.97	0.314	0.008	19.6	7382.4	-909.1
169	-18.88	0.314	0.008	19.6	7348.9	-905.0
170	-18.79	0.314	0.008	19.6	7315.2	-900.8
171	-18.69	0.313	0.008	19.6	7281.3	-896.6
172	-18.60	0.313	0.008	19.6	7247.2	-892.4
173	-18.50	0.313	0.008	19.6	7213.0	-888.2
174	-18.41	0.313	0.008	19.6	7178.5	-884.0
175	-18.32	0.313	0.008	19.6	7143.8	-879.7
176	-18.22	0.313	0.008	19.6	7109.0	-875.4
177	-18.13	0.312	0.008	19.6	7073.9	-871.1
178	-18.03	0.312	0.008	19.6	7038.6	-866.8
179	-17.94	0.312	0.008	19.6	7003.2	-862.4
180	-17.85	0.312	0.008	19.6	6967.5	-858.0
181	-17.75	0.312	0.008	19.6	6931.7	-853.6
182	-17.66	0.312	0.008	19.6	6895.6	-849.1
183	-17.57	0.311	0.000	11.3	6880.6	-847.3
184	-17.47	0.311	0.000	11.3	6880.4	-847.3
185	-17.38	0.311	0.000	11.3	6879.9	-847.2
186	-17.29	0.311	0.000	11.3	6879.2	-847.1
187	-17.19	0.311	0.000	11.3	6878.2	-847.0
188	-17.10	0.311	0.200	15.0	6876.9	-846.8
189	-17.01	0.311	0.200	15.0	6875.3	-846.6
190	-16.92	0.310	0.200	15.0	6873.4	-846.4
191	-16.82	0.310	0.200	15.0	6871.3	-846.1
192	-16.73	0.310	0.200	15.0	6866.9	-845.6
193	-16.63	0.310	0.200	15.0	6858.1	-844.5
194	-16.54	0.310	0.200	15.0	6849.0	-843.4
195	-16.45	0.310	0.200	15.0	6839.6	-842.2
196	-16.36	0.309	0.200	15.0	6829.9	-841.1
197	-16.26	0.309	0.200	15.0	6820.0	-839.8
198	-16.17	0.309	0.200	15.0	6809.7	-838.6
199	-16.08	0.309	0.200	15.0	6799.2	-837.3
200	-15.98	0.309	0.200	15.0	6788.5	-835.9
201	-15.89	0.309	0.200	15.0	6777.4	-834.6
202	-15.80	0.309	0.200	15.0	6766.1	-833.2
203	-15.71	0.308	0.200	15.0	6754.5	-831.8
204	-15.61	0.308	0.200	15.0	6742.6	-830.3
205	-15.52	0.308	0.200	15.0	6730.4	-828.8
206	-15.43	0.308	0.200	15.0	6718.0	-827.3
207	-15.34	0.308	0.200	15.0	6705.3	-825.7
208	-15.24	0.308	0.200	15.0	6697.2	-824.7
209	-15.15	0.308	0.200	15.0	6699.9	-825.0

210	-15.06	0.307	0.200	15.0	6702.4	-825.3
211	-14.97	0.307	0.200	15.0	6704.5	-825.6
212	-14.88	0.307	0.200	15.0	6706.4	-825.8
213	-14.78	0.307	0.200	15.0	6708.1	-826.0
214	-14.69	0.307	0.200	15.0	6709.5	-826.2
215	-14.60	0.307	0.200	15.0	6710.5	-826.4
216	-14.51	0.307	0.200	15.0	6711.4	-826.5
217	-14.42	0.307	0.200	15.0	6711.9	-826.5
218	-14.32	0.306	0.200	15.0	6712.2	-826.6
219	-14.23	0.306	0.200	15.0	6712.2	-826.6
220	-14.14	0.306	0.200	15.0	6712.0	-826.5
221	-14.04	0.306	0.200	15.0	6711.4	-826.5
222	-13.96	0.306	0.200	15.0	6710.6	-826.4
223	-13.86	0.306	0.200	15.0	6709.6	-826.2
224	-13.77	0.306	0.200	15.0	6708.3	-826.1
225	-13.68	0.306	0.200	15.0	6687.4	-823.5
226	-13.59	0.305	0.200	15.0	6642.6	-818.0
227	-13.50	0.305	0.200	15.0	6597.7	-812.5
228	-13.40	0.305	0.200	15.0	6552.4	-806.9
229	-13.31	0.305	0.200	15.0	6506.9	-801.3
230	-13.22	0.305	0.200	15.0	6461.2	-795.6
231	-13.13	0.305	0.200	15.0	6415.1	-790.0
232	-13.04	0.305	0.200	15.0	6368.8	-784.3
233	-12.95	0.305	0.200	15.0	6322.2	-778.5
234	-12.86	0.305	0.200	15.0	6275.4	-772.8
235	-12.76	0.304	0.200	15.0	6228.3	-767.0
236	-12.67	0.304	0.200	15.0	6180.9	-761.1
237	-12.58	0.304	0.200	15.0	6133.3	-755.3
238	-12.49	0.304	0.200	15.0	6085.4	-749.4
239	-12.40	0.304	0.200	15.0	6168.0	-759.5
240	-12.31	0.304	0.200	15.0	6072.4	-747.8
241	-12.22	0.304	0.200	15.0	5984.6	-737.0
242	-12.13	0.304	0.200	15.0	5984.2	-736.9
243	-12.03	0.304	0.200	15.0	5983.4	-736.8
244	-11.94	0.304	0.200	15.0	5982.4	-736.7
245	-11.85	0.303	0.200	15.0	5981.1	-736.5
246	-11.76	0.303	0.200	15.0	5979.6	-736.3
247	-11.67	0.303	0.200	15.0	5977.8	-736.1
248	-11.58	0.303	0.200	15.0	5975.8	-735.9
249	-11.49	0.303	0.200	15.0	5973.5	-735.6
250	-11.40	0.303	0.200	15.0	5970.9	-735.3
251	-11.30	0.303	0.200	15.0	5968.1	-734.9
252	-11.21	0.303	0.200	15.0	5965.0	-734.5
253	-11.12	0.303	0.200	15.0	5961.6	-734.1
254	-11.03	0.303	0.200	15.0	5958.0	-733.7
255	-10.94	0.302	0.200	15.0	5954.1	-733.2
256	-10.85	0.302	0.200	15.0	5950.0	-732.7
257	-10.76	0.302	0.200	15.0	5945.6	-732.2
258	-10.67	0.302	0.200	15.0	5941.0	-731.6
259	-10.58	0.302	0.200	15.0	5936.0	-731.0
260	-10.49	0.302	0.200	15.0	5930.9	-730.3
261	-10.40	0.302	0.200	15.0	5925.4	-729.7
262	-10.31	0.302	0.200	15.0	5951.2	-732.8
263	-10.22	0.302	0.200	15.0	5979.8	-736.4
264	-10.12	0.302	0.200	15.0	6008.1	-739.9
265	-10.04	0.302	0.200	15.0	6036.2	-743.3
266	-9.94	0.301	0.200	15.0	6064.0	-746.7
267	-9.85	0.301	0.200	15.0	6091.5	-750.1
268	-9.76	0.301	0.200	15.0	6118.8	-753.5
269	-9.67	0.301	0.200	15.0	6145.8	-756.8
270	-9.58	0.301	0.200	15.0	6172.6	-760.1
271	-9.49	0.301	0.200	15.0	6199.1	-763.4
272	-9.40	0.301	0.200	15.0	6225.4	-766.6
273	-9.31	0.301	0.200	15.0	6251.4	-769.8
274	-9.22	0.301	0.200	15.0	6277.1	-773.0
275	-9.13	0.301	0.200	15.0	6302.6	-776.1
276	-9.04	0.301	0.200	15.0	6327.8	-779.2
277	-8.95	0.301	0.200	15.0	6352.8	-782.3
278	-8.86	0.301	0.176	14.5	6377.5	-785.3
279	-8.77	0.300	0.176	14.5	6402.0	-788.4
280	-8.68	0.300	0.176	14.5	6426.2	-791.3

281	-8.59	0.300	0.200	15.0	6450.2	-794.3
282	-8.50	0.300	0.200	15.0	6445.1	-793.7
283	-8.41	0.300	0.200	15.0	6431.2	-791.9
284	-8.32	0.300	0.200	15.0	6417.0	-790.2
285	-8.23	0.300	0.200	15.0	6402.6	-788.4
286	-8.14	0.300	0.200	15.0	6387.9	-786.6
287	-8.05	0.300	0.200	15.0	6373.0	-784.8
288	-7.96	0.300	0.200	15.0	6357.8	-782.9
289	-7.87	0.300	0.200	15.0	6342.4	-781.0
290	-7.78	0.300	0.200	15.0	6326.7	-779.1
291	-7.69	0.300	0.200	15.0	6310.8	-777.1
292	-7.60	0.300	0.200	15.0	6294.6	-775.1
293	-7.51	0.300	0.200	15.0	6278.2	-773.1
294	-7.42	0.299	0.200	15.0	6261.5	-771.1
295	-7.33	0.299	0.200	15.0	6244.5	-769.0
296	-7.24	0.299	0.200	15.0	6227.4	-766.8
297	-7.15	0.299	0.200	15.0	6209.9	-764.7
298	-7.06	0.299	0.176	14.5	6223.7	-766.4
299	-6.97	0.299	0.176	14.5	6243.1	-768.8
300	-6.88	0.299	0.200	15.0	6262.3	-771.1
301	-6.79	0.299	0.200	15.0	6281.2	-773.5
302	-6.70	0.299	0.200	15.0	6299.9	-775.8
303	-6.61	0.299	0.200	15.0	6318.3	-778.0
304	-6.52	0.299	0.200	15.0	6336.4	-780.3
305	-6.43	0.299	0.200	15.0	6354.3	-782.5
306	-6.34	0.299	0.200	15.0	6372.0	-784.7
307	-6.26	0.299	0.200	15.0	6389.4	-786.8
308	-6.16	0.299	18.300	0.0	8429.7	-1038.1
309	-6.07	0.299	18.300	0.0	8452.0	-1040.8
310	-5.98	0.299	0.200	15.0	6440.2	-793.1
311	-5.90	0.299	0.200	15.0	6426.9	-791.4
312	-5.80	0.298	0.200	15.0	6149.7	-757.3
313	-5.71	0.298	0.200	15.0	5872.3	-723.1
314	-5.63	0.298	0.200	15.0	5661.2	-697.1
315	-5.54	0.298	0.200	15.0	5662.1	-697.2
316	-5.45	0.298	0.200	15.0	5662.7	-697.3
317	-5.36	0.298	0.200	15.0	5663.1	-697.4
318	-5.27	0.298	0.200	15.0	5663.2	-697.4
319	-5.18	0.298	0.200	15.0	5663.1	-697.4
320	-5.09	0.298	0.200	15.0	5662.7	-697.3
321	-5.00	0.298	0.200	15.0	5662.1	-697.2
322	-4.91	0.298	0.200	15.0	5753.3	-708.5
323	-4.82	0.298	0.200	15.0	5851.1	-720.5
324	-4.73	0.298	0.200	15.0	5945.8	-732.2
325	-4.64	0.298	0.200	15.0	5956.3	-733.5
326	-4.55	0.298	0.200	15.0	5966.7	-734.7
327	-4.46	0.298	0.200	15.0	5976.8	-736.0
328	-4.37	0.298	0.200	15.0	5986.6	-737.2
329	-4.28	0.298	0.200	15.0	5996.2	-738.4
330	-4.19	0.298	0.200	15.0	6005.5	-739.5
331	-4.11	0.298	0.200	15.0	6014.6	-740.6
332	-4.02	0.298	0.200	15.0	6023.4	-741.7
333	-3.92	0.298	0.200	15.0	6032.0	-742.8
334	-3.84	0.298	0.200	15.0	6040.4	-743.8
335	-3.75	0.298	0.200	15.0	6048.5	-744.8
336	-3.66	0.298	0.200	15.0	6056.3	-745.8
337	-3.57	0.298	0.200	15.0	6063.9	-746.7
338	-3.48	0.297	0.200	15.0	6059.4	-746.2
339	-3.39	0.297	0.200	15.0	6044.1	-744.3
340	-3.30	0.297	0.200	15.0	6028.5	-742.4
341	-3.21	0.297	0.200	15.0	6012.7	-740.4
342	-3.12	0.297	0.200	15.0	5996.7	-738.4
343	-3.03	0.297	0.200	15.0	5980.4	-736.4
344	-2.94	0.297	0.200	15.0	5963.8	-734.4
345	-2.86	0.297	0.200	15.0	5947.0	-732.3
346	-2.77	0.297	0.200	15.0	5930.0	-730.2
347	-2.67	0.297	0.200	15.0	5912.7	-728.1
348	-2.59	0.297	0.200	15.0	5895.2	-725.9
349	-2.50	0.297	0.200	15.0	5877.4	-723.8
350	-2.41	0.297	0.200	15.0	5859.3	-721.5
351	-2.32	0.297	0.200	15.0	5841.1	-719.3

352	-2.23	0.297	0.200	15.0	5822.6	-717.0
353	-2.14	0.297	0.200	15.0	5803.8	-714.7
354	-2.05	0.297	0.200	15.0	5784.8	-712.3
355	-1.96	0.297	0.200	15.0	5765.5	-710.0
356	-1.87	0.297	0.200	15.0	5746.0	-707.6
357	-1.79	0.297	0.200	15.0	5726.3	-705.1
358	-1.69	0.297	0.200	15.0	5706.3	-702.7
359	-1.61	0.297	0.200	15.0	5686.0	-700.2
360	-1.52	0.297	0.200	15.0	5665.5	-697.7
361	-1.43	0.297	0.200	15.0	5644.8	-695.1
362	-1.34	0.297	0.200	15.0	5623.8	-692.5
363	-1.25	0.297	0.200	15.0	5602.6	-689.9
364	-1.16	0.297	0.200	15.0	5581.1	-687.3
365	-1.07	0.297	0.200	15.0	5559.4	-684.6
366	-0.98	0.297	0.200	15.0	5537.5	-681.9
367	-0.89	0.297	0.200	15.0	5515.2	-679.2
368	-0.80	0.297	0.200	15.0	5492.8	-676.4
369	-0.72	0.297	0.200	15.0	5470.1	-673.6
370	-0.62	0.297	0.200	15.0	5447.2	-670.8
371	-0.54	0.297	0.200	15.0	5424.0	-667.9
372	-0.45	0.297	0.200	15.0	5400.5	-665.0
373	-0.36	0.297	0.200	15.0	5376.9	-662.1
374	-0.27	0.297	0.200	15.0	5352.9	-659.2
375	-0.18	0.297	0.200	15.0	5328.8	-656.2
376	-0.09	0.297	0.200	15.0	5304.3	-653.2
377	0.00	0.297	0.200	15.0	5279.7	-650.2
378	0.09	0.297	0.200	15.0	5254.8	-647.1
379	0.18	0.297	0.200	15.0	5229.6	-644.0
380	0.27	0.297	0.200	15.0	5204.2	-640.9
381	0.35	0.297	0.200	15.0	5178.6	-637.7
382	0.44	0.297	0.200	15.0	5152.7	-634.5
383	0.53	0.297	0.200	15.0	5126.6	-631.3
384	0.62	0.297	0.200	15.0	5100.2	-628.0
385	0.71	0.297	0.200	15.0	5073.5	-624.8
386	0.80	0.297	0.200	15.0	5046.7	-621.5
387	0.89	0.297	0.200	15.0	5019.6	-618.1
388	0.98	0.297	0.200	15.0	4992.2	-614.8
389	1.07	0.297	0.200	15.0	4964.6	-611.4
390	1.16	0.297	0.200	15.0	4936.7	-607.9
391	1.25	0.297	0.200	15.0	4908.6	-604.5
392	1.33	0.297	0.200	15.0	4880.3	-601.0
393	1.42	0.297	0.200	15.0	4854.1	-597.7
394	1.52	0.297	0.200	15.0	4830.9	-594.9
395	1.60	0.297	0.200	15.0	4807.4	-592.0
396	1.69	0.297	0.200	15.0	4783.6	-589.1
397	1.78	0.297	0.200	15.0	4759.6	-586.1
398	1.87	0.297	0.200	15.0	4735.4	-583.1
399	1.96	0.297	0.200	15.0	4710.9	-580.1
400	2.05	0.297	0.200	15.0	4686.2	-577.1
401	2.14	0.297	0.200	15.0	4661.2	-574.0
402	2.23	0.297	0.200	15.0	4626.0	-569.7
403	2.32	0.297	0.200	15.0	4583.2	-564.4
404	2.40	0.297	0.200	15.0	4540.0	-559.1
405	2.50	0.297	0.200	15.0	4496.7	-553.7
406	2.58	0.297	0.200	15.0	4453.1	-548.4
407	2.67	0.297	0.200	15.0	4409.2	-543.0
408	2.76	0.297	0.200	15.0	4365.1	-537.5
409	2.85	0.297	0.200	15.0	4320.8	-532.1
410	2.94	0.297	0.200	15.0	4276.2	-526.6
411	3.03	0.297	0.200	15.0	4231.3	-521.1
412	3.12	0.297	0.200	15.0	4186.2	-515.5
413	3.21	0.297	0.200	15.0	4140.9	-509.9
414	3.30	0.297	0.200	15.0	4095.3	-504.3
415	3.38	0.297	0.200	15.0	4049.5	-498.7
416	3.48	0.297	0.200	15.0	4003.4	-493.0
417	3.57	0.298	0.200	15.0	3957.1	-487.3
418	3.66	0.298	0.200	15.0	3910.5	-481.5
419	3.74	0.298	0.200	15.0	3863.7	-475.8
420	3.84	0.298	0.200	15.0	3816.6	-470.0
421	3.92	0.298	0.200	15.0	3769.3	-464.2
422	4.01	0.298	0.200	15.0	3721.8	-458.3

423	4.10	0.298	0.200	15.0	3674.0	-452.4
424	4.19	0.298	0.200	15.0	3625.9	-446.5
425	4.28	0.298	0.200	15.0	3577.6	-440.6
426	4.37	0.298	0.200	15.0	3529.1	-434.6
427	4.46	0.298	0.200	15.0	3487.1	-429.4
428	4.55	0.298	0.200	15.0	3447.2	-424.5
429	4.64	0.298	0.200	15.0	3407.1	-419.6
430	4.73	0.298	0.200	15.0	3366.7	-414.6
431	4.82	0.298	0.200	15.0	3326.1	-409.6
432	4.91	0.298	0.200	15.0	3285.2	-404.5
433	5.00	0.298	0.200	15.0	3244.0	-399.5
434	5.09	0.298	0.200	15.0	3202.6	-394.4
435	5.17	0.298	0.200	15.0	3161.0	-389.3
436	5.26	0.298	0.200	15.0	3119.1	-384.1
437	5.35	0.298	0.200	15.0	3077.0	-378.9
438	5.44	0.298	0.200	15.0	3034.6	-373.7
439	5.54	0.298	0.200	15.0	2992.0	-368.4
440	5.62	0.298	0.200	15.0	2949.1	-363.2
441	5.71	0.298	0.200	15.0	2906.0	-357.8
442	5.80	0.298	0.200	15.0	2862.6	-352.5
443	5.89	0.299	0.200	15.0	2819.0	-347.1
444	5.98	0.299	0.200	15.0	2775.1	-341.7
445	6.07	0.299	0.200	15.0	2731.0	-336.3
446	6.16	0.299	0.200	15.0	2686.6	-330.8
447	6.25	0.299	0.200	15.0	2642.0	-325.3
448	6.34	0.299	0.200	15.0	2597.1	-319.8
449	6.43	0.299	0.200	15.0	2552.0	-314.3
450	6.52	0.299	0.200	15.0	2506.6	-308.7
451	6.61	0.299	0.200	15.0	2461.0	-303.1
452	6.70	0.299	0.200	15.0	2415.1	-297.4
453	6.79	0.299	0.200	15.0	2369.0	-291.7
454	6.88	0.299	0.200	15.0	2322.6	-286.0
455	6.97	0.299	0.200	15.0	2276.0	-280.3
456	7.06	0.299	0.200	15.0	2229.1	-274.5
457	7.15	0.299	0.200	15.0	2182.0	-268.7
458	7.24	0.299	0.200	15.0	2134.6	-262.9
459	7.33	0.299	0.200	15.0	2087.0	-257.0
460	7.42	0.299	0.200	15.0	2039.1	-251.1
461	7.51	0.300	0.200	15.0	1990.9	-245.2
462	7.60	0.300	0.200	15.0	1942.6	-239.2
463	7.69	0.300	0.200	15.0	1893.9	-233.2
464	7.78	0.300	0.200	15.0	1845.0	-227.2
465	7.86	0.300	0.200	15.0	1795.9	-221.1
466	7.96	0.300	0.200	15.0	1746.5	-215.1
467	8.05	0.300	0.200	15.0	1696.8	-209.0
468	8.14	0.300	0.200	15.0	1646.9	-202.8
469	8.23	0.300	0.200	15.0	1596.8	-196.6
470	8.32	0.300	0.200	15.0	1546.4	-190.4
471	8.41	0.300	0.200	15.0	1495.7	-184.2
472	8.50	0.300	0.200	15.0	1444.8	-177.9
473	8.59	0.300	0.200	15.0	1393.6	-171.6
474	8.68	0.300	0.200	15.0	1342.2	-165.3
475	8.77	0.300	0.200	15.0	1290.5	-158.9
476	8.86	0.301	0.200	15.0	1238.6	-152.5
477	8.95	0.301	0.200	15.0	1186.4	-146.1
478	9.04	0.301	0.200	15.0	1134.0	-139.6
479	9.13	0.301	0.200	15.0	1081.3	-133.1
480	9.22	0.301	0.200	15.0	1028.3	-126.6
481	9.31	0.301	0.200	15.0	975.1	-120.1
482	9.40	0.301	0.200	15.0	921.6	-113.5
483	9.49	0.301	0.200	15.0	867.9	-106.9
484	9.58	0.301	0.200	15.0	814.0	-100.2
485	9.67	0.301	0.200	15.0	759.7	-93.6
486	9.76	0.301	0.200	15.0	705.2	-86.8
487	9.85	0.301	0.200	15.0	650.5	-80.1
488	9.94	0.301	0.200	15.0	595.5	-73.3
489	10.03	0.302	0.200	15.0	540.2	-66.5
490	10.12	0.302	0.200	15.0	484.7	-59.7
491	10.21	0.302	0.200	15.0	429.0	-52.8
492	10.30	0.302	0.200	15.0	372.9	-45.9
493	10.40	0.302	0.200	15.0	316.7	-39.0

494	10.48	0.302	0.200	15.0	264.0	-32.5
495	10.58	0.302	0.200	15.0	224.1	-27.6
496	10.67	0.302	0.200	15.0	183.9	-22.6
497	10.76	0.302	0.200	15.0	143.5	-17.7
498	10.85	0.302	0.200	15.0	102.8	-12.7
499	10.94	0.302	0.200	15.0	61.9	-7.6
500	11.03	0.303	0.200	15.0	20.7	-2.5

Concio n°	Taglio kg/ml	E kg/ml	Tau Kg/cm2	A Kg/ml	B Kg/ml
1	43.1	175.9	1009.8	493.3	-48.1
2	91.2	-115.5	1118.7	545.2	-143.5
3	51.1	-353.6	1320.2	596.6	-237.8
4	35.4	-539.0	1409.1	647.7	-331.2
5	-299.8	-338.2	886.5	255.9	-405.0
6	-344.1	-102.8	673.3	290.8	-467.3
7	-438.6	167.3	802.2	326.3	-530.5
8	-589.6	471.9	937.3	361.6	-593.0
9	-804.2	810.4	1079.5	396.6	-654.8
10	-1089.8	1182.3	1228.7	431.3	-716.0
11	-1452.9	1587.3	1384.6	465.7	-776.4
12	-1900.7	2024.7	1547.4	499.9	-836.2
13	-2439.6	2494.3	1716.7	533.7	-895.3
14	-3076.4	2995.5	1892.6	567.4	-953.8
15	-3817.3	3527.9	2074.7	600.8	-1011.6
16	-4668.6	4091.0	2263.2	633.9	-1068.8
17	-5636.7	4684.5	2457.8	666.8	-1125.3
18	-6727.4	5307.8	2658.5	699.4	-1181.3
19	-7946.6	5960.6	2865.0	731.7	-1236.5
20	-9300.5	6642.4	3077.6	763.9	-1291.2
21	-10794.4	7352.8	3295.6	795.7	-1345.2
22	-12232.5	8089.7	3311.7	825.5	-1395.3
23	-13766.3	8850.7	3476.4	853.2	-1441.7
24	-15413.5	9635.7	3658.8	880.6	-1487.4
25	-17177.1	10444.0	3844.3	907.9	-1532.6
26	-19060.1	11275.4	4032.7	934.9	-1577.2
27	-21065.0	12129.6	4223.5	961.7	-1621.4
28	-23194.9	13006.2	4417.6	988.3	-1664.9
29	-25452.7	13904.8	4614.4	1014.7	-1708.0
30	-27840.2	14824.9	4813.0	1040.9	-1750.5
31	-30361.2	15766.5	5015.4	1066.9	-1792.6
32	-33017.1	16728.8	5219.2	1092.6	-1834.0
33	-35810.8	17711.8	5425.9	1118.2	-1875.0
34	-38744.7	18714.9	5635.1	1143.5	-1915.3
35	-41820.7	19738.0	5846.1	1168.7	-1955.4
36	-45041.5	20780.6	6059.8	1193.7	-1994.8
37	-48409.5	21842.4	6276.0	1218.5	-2033.7
38	-51925.8	22923.0	6493.2	1243.1	-2072.2
39	-55593.5	24022.1	6713.6	1267.5	-2110.2
40	-59409.4	25138.9	6929.6	1291.1	-2146.7
41	-63378.6	26273.1	7150.4	1314.6	-2182.9
42	-67502.7	27424.3	7372.9	1337.9	-2218.4
43	-71784.4	28592.0	7598.4	1360.9	-2253.3
44	-76224.9	29776.1	7824.8	1383.8	-2288.0
45	-80826.6	30976.3	8053.6	1406.6	-2322.2
46	-85589.4	32192.2	8282.5	1429.1	-2356.0
47	-90516.2	33423.6	8514.3	1451.5	-2389.3
48	-95608.7	34670.1	8747.8	1473.7	-2422.1
49	-100867.1	35931.3	8981.4	1495.7	-2454.4
50	-106292.9	37207.1	9216.7	1517.6	-2486.4
51	-111889.2	38497.2	9455.1	1539.3	-2518.0
52	-117654.9	39801.1	9692.4	1560.8	-2549.0
53	-123592.3	41118.6	9932.0	1582.2	-2579.6
54	-129703.0	42449.5	10173.2	1603.5	-2610.0
55	-135987.2	43793.4	10414.7	1624.5	-2639.8
56	-142446.7	45150.1	10658.2	1645.4	-2669.2
57	-149086.3	46519.5	10907.1	1666.5	-2698.8
58	-155901.4	47901.2	11151.5	1687.3	-2727.7

59	-162895.9	49295.1	11399.7	1708.0	-2756.3
60	-170070.8	50700.8	11649.0	1728.5	-2784.6
61	-177424.8	52118.1	11897.0	1748.9	-2812.4
62	-184958.7	53546.5	12145.8	1769.2	-2839.8
63	-192676.7	54986.1	12398.8	1789.3	-2866.9
64	-200575.4	56436.4	12648.6	1809.2	-2893.4
65	-208657.7	57896.9	12901.3	1828.9	-2919.5
66	-216921.9	59367.7	13152.2	1848.6	-2945.4
67	-225371.9	60848.6	13406.9	1868.2	-2971.1
68	-234007.3	62339.1	13661.4	1887.5	-2996.2
69	-242825.3	63839.0	13913.1	1906.7	-3020.9
70	-251829.5	65347.9	14168.4	1925.8	-3045.1
71	-261021.1	66865.8	14425.0	1944.7	-3069.2
72	-270397.0	68392.2	14678.5	1963.5	-3092.7
73	-279959.5	69927.0	14934.2	1982.2	-3116.0
74	-289708.7	71469.9	15190.1	2000.7	-3138.9
75	-299643.1	73020.4	15444.7	2019.0	-3161.1
76	-309766.0	74578.8	15702.3	2037.3	-3183.5
77	-320074.9	76144.4	15957.6	2055.4	-3205.2
78	-330570.6	77717.0	16213.6	2073.4	-3226.6
79	-341252.5	79296.4	16469.1	2091.2	-3247.5
80	-352123.4	80882.5	16727.5	2108.9	-3268.4
81	-363178.6	82474.9	16980.7	2126.5	-3288.8
82	-374420.5	84073.4	17236.9	2144.0	-3308.7
83	-385852.3	85677.9	17496.0	2161.4	-3328.7
84	-397467.1	87287.9	17748.3	2178.5	-3347.8
85	-409267.9	88903.2	18003.6	2195.6	-3366.8
86	-421254.2	90523.7	18258.4	2212.5	-3385.4
87	-433427.1	92149.2	18514.1	2229.4	-3403.9
88	-445785.4	93779.3	18768.9	2246.1	-3421.8
89	-458326.3	95414.0	19020.5	2262.7	-3439.7
90	-469988.7	97053.1	18157.8	2279.3	-3457.3
91	-479518.5	98692.6	15963.2	2290.8	-3466.8
92	-489091.0	100331.5	16050.6	2301.2	-3474.6
93	-498717.7	101970.1	16149.6	2311.5	-3482.5
94	-508395.3	103607.6	16245.5	2321.6	-3489.4
95	-518127.4	105244.1	16344.9	2331.6	-3496.4
96	-527912.6	106879.6	16442.3	2341.6	-3503.4
97	-537745.7	108513.7	16534.3	2351.4	-3509.8
98	-547631.4	110146.4	16631.1	2361.2	-3516.3
99	-557566.5	111777.6	16724.3	2370.9	-3522.5
100	-567548.7	113406.8	16815.1	2380.4	-3528.1
101	-577576.9	115034.2	16904.4	2389.9	-3533.7
102	-587651.5	116659.4	16993.9	2399.2	-3539.1
103	-597773.3	118282.4	17084.2	2408.5	-3544.2
104	-607939.6	119903.0	17171.4	2417.6	-3549.1
105	-618147.7	121520.9	17255.7	2426.7	-3553.7
106	-629723.8	123136.3	18744.5	2435.7	-3558.4
107	-643453.7	124751.8	21080.0	2449.1	-3569.2
108	-657331.8	126367.8	21291.7	2463.0	-3580.7
109	-671352.9	127983.8	21498.2	2476.7	-3591.6
110	-685515.9	129599.8	21703.1	2490.3	-3602.6
111	-699819.6	131215.7	21906.9	2503.8	-3613.2
112	-714262.1	132831.2	22108.5	2517.3	-3623.6
113	-728841.1	134446.2	22307.8	2530.6	-3633.6
114	-743560.3	136060.6	22510.6	2543.9	-3643.7
115	-758413.1	137673.8	22706.8	2556.9	-3652.8
116	-773400.4	139286.1	22903.5	2570.0	-3662.4
117	-788522.8	140897.0	23101.2	2582.9	-3671.3
118	-803776.4	142506.2	23294.5	2595.7	-3679.9
119	-819163.0	144114.0	23489.6	2608.5	-3688.5
120	-834675.0	145719.7	23676.7	2621.1	-3696.6
121	-850322.2	147323.8	23873.6	2633.7	-3705.0
122	-866096.2	148925.8	24061.9	2646.2	-3712.9
123	-881996.3	150525.2	24249.6	2658.5	-3720.1
124	-898035.8	152123.0	24453.2	2671.7	-3728.9
125	-914197.9	153718.3	24639.9	2684.8	-3737.0
126	-930488.4	155311.3	24832.3	2697.8	-3745.1
127	-943743.3	156901.2	21632.1	2709.4	-3751.2
128	-956319.4	158485.7	20945.7	2717.8	-3752.5
129	-968928.1	160065.1	21020.5	2726.1	-3754.0

130	-981566.9	161638.7	21092.9	2734.3	-3754.8
131	-994232.7	163206.8	21161.3	2742.5	-3755.8
132	-1006922.7	164768.9	21227.2	2750.6	-3756.2
133	-1019640.0	166325.2	21295.6	2758.6	-3756.8
134	-1032382.3	167875.2	21361.9	2766.4	-3756.8
135	-1045145.6	169419.0	21423.4	2774.3	-3756.9
136	-1057934.8	170956.9	21489.6	2782.1	-3757.2
137	-1070744.1	172488.3	21549.7	2789.8	-3756.9
138	-1083572.5	174012.9	21609.1	2797.3	-3756.0
139	-1096421.1	175531.0	21668.7	2804.9	-3755.6
140	-1109296.2	177042.7	21737.2	2813.0	-3755.6
141	-1122214.8	178548.8	21827.8	2822.7	-3757.8
142	-1135158.0	180049.0	21898.1	2832.1	-3759.4
143	-1148120.5	181543.4	21962.3	2841.6	-3761.1
144	-1161101.0	183031.5	22025.3	2850.9	-3762.3
145	-1174102.6	184513.5	22091.0	2860.1	-3763.5
146	-1187125.8	185989.3	22157.3	2869.3	-3764.6
147	-1200158.8	187458.2	22210.8	2878.4	-3765.1
148	-1213209.8	188920.6	22272.8	2887.4	-3765.7
149	-1226276.7	190376.3	22332.4	2896.4	-3766.1
150	-1239353.4	191825.1	22385.1	2905.3	-3766.3
151	-1252442.0	193266.8	22439.9	2914.0	-3766.3
152	-1265540.8	194701.4	22492.8	2922.8	-3766.1
153	-1278654.2	196129.0	22550.1	2931.5	-3766.0
154	-1291767.6	197548.8	22591.7	2940.0	-3765.0
155	-1304891.2	198961.3	22643.9	2948.5	-3764.6
156	-1318021.7	200366.4	22692.1	2957.0	-3763.9
157	-1323268.7	201763.3	14165.2	2965.3	-3762.3
158	-1303389.8	203145.1	-13163.7	2958.2	-3741.6
159	-1282943.7	204508.6	-13821.3	2944.2	-3712.1
160	-1262009.1	205853.5	-14394.2	2930.1	-3682.2
161	-1240602.9	207180.2	-14949.3	2916.0	-3652.8
162	-1218725.3	208488.7	-15505.0	2901.9	-3623.4
163	-1196385.6	209779.2	-16051.2	2887.7	-3594.0
164	-1173591.8	211051.3	-16589.8	2873.4	-3564.2
165	-1150360.0	212305.7	-17111.1	2859.2	-3535.3
166	-1126686.1	213542.3	-17637.7	2844.9	-3505.9
167	-1102581.1	214761.4	-18152.8	2830.6	-3477.0
168	-1078061.3	215962.3	-18651.3	2816.1	-3447.4
169	-1053124.9	217145.9	-19152.0	2801.7	-3418.5
170	-1027786.4	218311.8	-19637.8	2787.2	-3389.3
171	-1002041.7	219460.2	-20128.7	2772.7	-3360.2
172	-975911.1	220591.0	-20598.0	2758.1	-3331.0
173	-949401.2	221704.8	-21060.6	2743.6	-3302.3
174	-922517.0	222801.1	-21518.6	2728.9	-3273.2
175	-895257.3	223880.5	-21978.2	2714.3	-3244.6
176	-867643.0	224943.1	-22415.6	2699.6	-3216.0
177	-839679.6	225988.7	-22847.6	2684.8	-3187.4
178	-811367.5	227017.4	-23280.2	2670.0	-3158.5
179	-782717.4	228029.3	-23701.2	2655.1	-3130.0
180	-753736.9	229024.6	-24114.5	2640.3	-3101.5
181	-724433.5	230003.5	-24520.1	2625.3	-3073.1
182	-694817.9	230965.9	-24914.6	2610.4	-3044.7
183	-685086.3	232792.1	-1826.5	1503.6	-3025.7
184	-657074.9	234606.8	-13541.3	1502.4	-3013.2
185	-628529.6	236409.9	-13887.5	1501.2	-3000.6
186	-599454.9	238201.4	-14231.2	1499.9	-2987.9
187	-569854.4	239981.4	-14572.9	1498.7	-2975.5
188	-520455.8	240860.8	-34129.0	2611.4	-2962.6
189	-488323.9	241728.9	-19516.7	2609.3	-2949.5
190	-455929.1	242585.8	-19747.9	2607.2	-2936.7
191	-423279.5	243431.3	-19972.7	2604.9	-2923.4
192	-390371.9	244265.1	-20202.3	2602.1	-2909.6
193	-357199.4	245086.2	-20441.8	2598.0	-2893.5
194	-323781.9	245894.7	-20664.7	2593.9	-2877.7
195	-290128.8	246690.4	-20880.0	2589.6	-2861.4
196	-256241.9	247473.5	-21094.1	2585.3	-2845.4
197	-222132.4	248244.0	-21299.1	2581.0	-2829.4
198	-187793.2	249001.8	-21510.4	2576.6	-2813.2
199	-153244.9	249746.7	-21704.9	2572.1	-2796.7
200	-118487.2	250478.9	-21899.8	2567.6	-2780.4

201	-83525.0	251198.4	-22090.8	2563.0	-2764.0
202	-48355.0	251905.4	-22284.9	2558.5	-2747.9
203	-12992.9	252599.4	-22466.4	2553.7	-2731.1
204	22552.6	253280.5	-22640.6	2549.0	-2714.5
205	58290.2	253949.2	-22822.3	2544.2	-2698.2
206	94202.8	254605.1	-22990.0	2539.3	-2681.5
207	130287.4	255248.1	-23155.7	2534.3	-2664.7
208	160297.8	255879.1	-17990.8	2530.7	-2649.7
209	188771.9	256499.8	-16684.3	2530.2	-2639.1
210	217379.4	257110.6	-16801.7	2529.6	-2628.7
211	246105.3	257711.1	-16906.9	2529.0	-2617.9
212	274953.3	258301.5	-17015.3	2528.3	-2607.2
213	303912.3	258881.5	-17114.8	2527.5	-2596.1
214	332983.0	259450.9	-17215.1	2526.6	-2584.9
215	362169.9	260010.4	-17319.2	2525.8	-2574.3
216	391448.6	260559.3	-17403.1	2524.8	-2562.9
217	420837.1	261097.8	-17502.6	2523.8	-2551.8
218	450319.2	261625.5	-17588.6	2522.7	-2540.1
219	479899.0	262142.8	-17678.2	2521.6	-2528.8
220	509565.3	262649.6	-17758.6	2520.4	-2517.3
221	539317.8	263145.5	-17839.2	2519.1	-2505.4
222	569166.5	263631.1	-17928.3	2517.8	-2494.0
223	599078.7	264106.0	-17989.8	2516.4	-2482.3
224	629070.6	264569.9	-18065.7	2514.9	-2470.0
225	681981.2	265020.6	-37749.4	2508.0	-2451.3
226	736179.8	265454.2	-38906.4	2494.3	-2423.4
227	790502.0	265871.4	-39064.1	2480.7	-2396.1
228	844924.2	266271.8	-39202.7	2466.9	-2368.2
229	899447.5	266656.0	-39341.8	2453.2	-2341.1
230	954047.0	267023.5	-39460.5	2439.3	-2313.3
231	1008737.5	267375.0	-39591.6	2425.4	-2286.3
232	1063481.4	267710.3	-39690.9	2411.5	-2259.0
233	1118299.5	268029.9	-39808.2	2397.5	-2232.1
234	1173162.2	268333.5	-39900.5	2383.5	-2204.9
235	1228056.2	268621.2	-39981.8	2369.4	-2177.8
236	1282996.8	268893.5	-40076.1	2355.2	-2151.1
237	1337950.7	269150.2	-40142.5	2341.0	-2124.1
238	1392918.2	269391.3	-40209.3	2326.8	-2097.2
239	1447786.6	269632.9	-40066.2	2349.1	-2115.5
240	1502892.3	269853.4	-40367.1	2321.5	-2072.4
241	1526309.6	270054.4	-13124.5	2296.2	-2032.6
242	1527121.6	270246.0	6374.8	2295.3	-2022.6
243	1527878.7	270428.0	6423.8	2294.3	-2012.2
244	1528580.2	270600.4	6473.1	2293.3	-2001.7
245	1529242.3	270763.7	6508.2	2292.2	-1991.8
246	1529837.7	270917.2	6566.8	2291.1	-1981.1
247	1530385.6	271061.2	6608.4	2289.9	-1970.7
248	1530878.9	271195.8	6656.1	2288.6	-1960.2
249	1531314.3	271320.8	6706.5	2287.3	-1949.6
250	1531704.3	271436.2	6745.7	2285.9	-1939.0
251	1532028.5	271541.8	6802.6	2284.5	-1927.9
252	1532300.3	271637.8	6847.6	2283.0	-1917.1
253	1532525.3	271724.1	6887.5	2281.4	-1906.2
254	1532692.6	271800.8	6936.6	2279.8	-1895.3
255	1532806.7	271868.1	6981.7	2278.2	-1884.6
256	1532870.9	271925.6	7023.8	2276.4	-1873.5
257	1532867.5	271973.2	7081.0	2274.6	-1862.0
258	1532814.1	272011.0	7122.7	2272.7	-1850.8
259	1532701.7	272039.0	7172.2	2270.8	-1839.5
260	1532546.0	272057.6	7207.5	2268.9	-1828.4
261	1524246.8	272066.4	14276.9	2266.8	-1817.0
262	1504321.6	272068.0	24403.2	2273.5	-1815.1
263	1484363.8	272062.8	24464.3	2280.9	-1814.3
264	1464358.3	272050.1	24538.9	2288.3	-1812.7
265	1444335.2	272030.5	24586.6	2295.6	-1811.6
266	1424268.4	272003.4	24657.2	2302.9	-1810.0
267	1404168.7	271968.8	24718.1	2310.1	-1808.2
268	1384049.3	271926.9	24767.2	2317.2	-1806.5
269	1363889.5	271877.2	24834.2	2324.3	-1804.4
270	1343700.4	271819.6	24891.5	2331.3	-1802.1
271	1323489.9	271754.3	24941.4	2338.2	-1800.0

272	1303248.0	271680.9	25000.1	2345.1	-1797.3
273	1282991.2	271599.7	25044.0	2351.9	-1794.9
274	1262706.7	271510.4	25098.8	2358.7	-1792.3
275	1242393.2	271412.7	25154.9	2365.4	-1789.2
276	1222058.5	271306.5	25204.0	2372.0	-1786.0
277	1201714.1	271191.9	25242.5	2378.6	-1782.9
278	1180393.5	271174.9	25078.5	2252.3	-1779.7
279	1160443.2	271149.2	23950.6	2258.5	-1776.0
280	1140472.8	271115.1	23995.8	2264.7	-1772.4
281	1127221.7	270965.6	19160.5	2404.3	-1768.5
282	1127939.5	270806.1	6946.6	2402.6	-1757.1
283	1128599.6	270635.6	6987.2	2398.5	-1742.7
284	1129227.2	270454.4	7005.5	2394.3	-1728.7
285	1129796.0	270262.1	7046.9	2390.0	-1714.3
286	1130318.5	270059.2	7076.8	2385.7	-1700.2
287	1130798.0	269845.7	7103.8	2381.3	-1686.0
288	1131230.1	269621.5	7134.3	2376.9	-1671.9
289	1131614.3	269386.8	7165.2	2372.4	-1657.7
290	1131951.1	269141.5	7195.4	2367.9	-1643.6
291	1132233.7	268885.4	7231.4	2363.2	-1629.0
292	1132479.5	268619.1	7251.7	2358.6	-1615.2
293	1132667.5	268342.1	7290.5	2353.9	-1600.6
294	1132811.5	268054.6	7317.0	2349.1	-1586.4
295	1132915.2	267757.0	7339.8	2344.3	-1572.5
296	1132959.0	267448.8	7379.8	2339.4	-1557.9
297	1125824.9	267130.3	13675.4	2334.4	-1543.7
298	1104021.7	266907.3	25519.3	2206.5	-1537.2
299	1083582.0	266675.5	24385.3	2211.6	-1532.3
300	1064092.5	266328.7	24604.5	2348.6	-1526.7
301	1043253.4	265972.4	25817.0	2353.8	-1521.3
302	1022432.3	265606.8	25825.9	2358.9	-1516.2
303	1001625.8	265231.6	25837.8	2364.0	-1510.5
304	980838.1	264846.3	25846.2	2369.0	-1504.4
305	960079.9	264451.5	25844.2	2373.9	-1498.9
306	939341.2	264046.8	25851.2	2378.8	-1492.9
307	918639.1	263632.6	25842.6	2383.6	-1487.1
308	1334235.3	219692.0	183000.0	57526.1	-1948.2
309	1173829.0	175758.5	183000.0	57507.3	-1940.3
310	574505.6	175313.6	536636.4	2397.8	-1467.9
311	624662.2	174859.1	-36653.5	2394.1	-1455.2
312	717039.4	174392.8	-74201.5	2317.4	-1382.4
313	808830.5	173916.1	-73953.4	2240.6	-1310.7
314	825565.2	173430.2	-7828.1	2182.2	-1254.8
315	815873.9	172935.4	15533.3	2182.6	-1246.3
316	806186.3	172431.6	15535.8	2182.8	-1237.4
317	796494.7	171918.6	15544.8	2183.0	-1228.5
318	786808.0	171396.5	15545.8	2183.2	-1219.5
319	777125.8	170865.3	15546.9	2183.3	-1210.4
320	767451.3	170325.3	15544.8	2183.3	-1201.6
321	742703.1	169776.1	28902.6	2183.3	-1192.5
322	698203.6	169216.9	46495.3	2208.8	-1202.8
323	653949.0	168647.2	46380.5	2236.1	-1213.9
324	626182.5	168066.5	31859.3	2262.5	-1224.1
325	612652.7	167476.3	19250.6	2265.6	-1217.1
326	599170.4	166876.5	19223.9	2268.7	-1210.0
327	585731.5	166266.6	19200.9	2271.7	-1202.2
328	572350.5	165647.1	19164.5	2274.7	-1195.0
329	559020.6	165017.9	19133.8	2277.6	-1187.6
330	545742.5	164378.7	19102.5	2280.4	-1179.9
331	532529.0	163729.8	19059.4	2283.2	-1172.4
332	519366.0	163070.8	19028.6	2285.9	-1164.6
333	506263.1	162401.8	18989.3	2288.6	-1156.6
334	493224.6	161723.0	18945.6	2291.2	-1148.9
335	480253.4	161034.3	18899.0	2293.8	-1141.1
336	467343.7	160335.5	18857.6	2296.3	-1132.9
337	454722.5	159626.7	18613.6	2298.8	-1125.0
338	449365.7	158908.2	12144.5	2297.9	-1114.5
339	444010.0	158180.7	12133.7	2294.0	-1102.4
340	438662.7	157444.2	12116.3	2290.0	-1090.3
341	433314.0	156698.5	12107.6	2286.0	-1077.8
342	427974.1	155943.5	12089.5	2282.0	-1065.4

343	422645.5	155179.8	12068.7	2277.8	-1053.3
344	417323.0	154407.3	12052.5	2273.6	-1041.2
345	412009.2	153626.0	12033.6	2269.4	-1029.1
346	406705.8	152835.8	12013.2	2265.1	-1016.7
347	401409.0	152036.7	11995.9	2260.8	-1004.3
348	396126.9	151229.4	11970.8	2256.3	-992.5
349	390848.7	150412.9	11955.7	2251.9	-979.9
350	385589.9	149588.4	11925.9	2247.3	-968.1
351	380343.5	148755.1	11902.5	2242.7	-955.8
352	375109.7	147913.6	11878.5	2238.0	-943.8
353	369890.8	147063.9	11852.3	2233.3	-931.8
354	364684.6	146205.7	11827.9	2228.6	-919.5
355	359495.7	145339.5	11799.0	2223.7	-907.6
356	354321.5	144464.9	11772.3	2218.8	-895.4
357	349167.7	143582.6	11740.0	2213.8	-883.8
358	344028.9	142691.9	11712.8	2208.9	-871.3
359	338910.7	141793.7	11679.8	2203.8	-859.7
360	333808.8	140887.4	11650.8	2198.6	-847.6
361	328728.1	139973.5	11617.0	2193.4	-835.8
362	323670.2	139052.1	11581.5	2188.2	-824.0
363	318629.1	138122.8	11551.2	2182.9	-812.0
364	313610.6	137186.4	11515.3	2177.4	-800.6
365	308612.3	136242.0	11481.7	2172.0	-788.3
366	303641.2	135290.7	11441.1	2166.5	-776.9
367	298693.2	134332.0	11404.2	2161.0	-765.0
368	293768.6	133366.1	11366.8	2155.3	-753.5
369	288869.1	132393.3	11327.4	2149.6	-741.9
370	283993.2	131413.2	11289.4	2143.9	-730.1
371	279145.0	130426.3	11247.2	2138.1	-718.6
372	274323.8	129432.6	11205.6	2132.2	-707.2
373	269530.0	128432.3	11163.2	2126.3	-695.8
374	264764.9	127425.2	11119.5	2120.3	-684.2
375	260027.4	126411.6	11076.5	2114.2	-672.9
376	255319.2	125391.6	11031.6	2108.1	-661.6
377	250639.5	124365.1	10987.5	2101.9	-650.2
378	245993.0	123332.6	10938.5	2095.6	-639.3
379	241374.7	122293.8	10894.0	2089.3	-627.9
380	236787.7	121248.8	10846.5	2083.0	-616.5
381	232235.6	120198.1	10795.3	2076.5	-605.8
382	227715.8	119141.4	10746.4	2070.0	-594.5
383	223228.3	118079.0	10697.1	2063.4	-583.6
384	218773.2	117010.7	10647.6	2056.8	-572.5
385	214355.2	115937.3	10593.3	2050.1	-561.9
386	209969.6	114858.2	10543.3	2043.4	-550.9
387	205619.2	113773.6	10490.5	2036.5	-540.0
388	201307.2	112684.2	10434.2	2029.6	-529.6
389	197029.5	111589.4	10381.7	2022.7	-518.7
390	192791.7	110489.7	10323.7	2015.7	-508.2
391	188588.1	109385.0	10270.8	2008.6	-497.5
392	184423.4	108275.8	10213.1	2001.4	-487.4
393	179146.5	107161.5	11201.9	1994.9	-477.0
394	173850.5	106041.7	11201.9	1989.2	-467.0
395	168621.7	104917.2	11123.1	1983.4	-457.6
396	163456.5	103787.3	11047.7	1977.6	-447.7
397	158360.1	102652.7	10967.0	1971.7	-438.1
398	153326.1	101512.9	10892.1	1965.7	-428.4
399	148362.2	100368.6	10809.7	1959.7	-418.9
400	143466.5	99219.6	10728.8	1953.6	-409.5
401	138899.8	98066.0	10410.5	1947.5	-399.9
402	137613.2	96909.5	7397.1	1938.4	-389.7
403	136303.5	95750.9	7381.6	1927.2	-378.8
404	134984.3	94591.1	7353.4	1915.8	-368.5
405	133651.6	93429.7	7328.7	1904.5	-357.8
406	132310.5	92267.1	7299.1	1893.0	-347.4
407	130955.6	91103.2	7274.2	1881.5	-337.0
408	129591.1	89938.4	7245.1	1869.9	-326.9
409	128216.6	88772.7	7216.3	1858.3	-316.7
410	126832.5	87606.8	7186.7	1846.5	-307.1
411	125435.5	86440.1	7160.1	1834.8	-296.9
412	124030.4	85273.5	7128.6	1822.8	-287.5
413	122618.4	84106.7	7096.0	1810.9	-277.8

414	121194.2	82939.9	7067.9	1798.9	-268.2
415	119762.0	81773.8	7035.6	1786.7	-259.1
416	118319.8	80607.8	7005.2	1774.6	-249.6
417	116872.6	79442.6	6969.7	1762.3	-240.6
418	115415.1	78278.2	6938.9	1750.0	-231.6
419	113952.2	77115.1	6903.2	1737.6	-223.0
420	112479.0	75953.0	6872.0	1725.1	-214.0
421	111002.1	74792.5	6834.4	1712.6	-205.6
422	109517.5	73633.7	6800.2	1699.9	-197.2
423	108025.5	72476.6	6765.4	1687.2	-188.9
424	106529.9	71321.8	6727.0	1674.4	-180.8
425	105026.6	70169.0	6692.2	1661.6	-172.7
426	103190.9	69018.8	6654.7	1648.6	-164.9
427	100415.3	67870.1	7781.2	1637.5	-157.6
428	97677.4	66722.3	7712.6	1627.1	-150.1
429	94980.7	65575.9	7640.6	1616.5	-143.1
430	92318.0	64430.8	7574.9	1605.9	-136.0
431	89693.8	63287.6	7504.7	1595.2	-129.3
432	87106.3	62146.1	7436.0	1584.4	-122.5
433	84557.7	61006.6	7365.0	1573.6	-115.7
434	82046.9	59869.4	7294.6	1562.6	-109.3
435	79575.4	58734.8	7222.5	1551.6	-103.0
436	77141.3	57602.6	7152.0	1540.5	-96.7
437	74744.6	56473.1	7081.3	1529.4	-90.5
438	72387.4	55346.7	7008.3	1518.1	-84.6
439	70067.1	54223.2	6937.5	1506.8	-78.5
440	67789.1	53103.3	6861.2	1495.3	-72.9
441	65547.5	51986.7	6790.4	1483.9	-67.1
442	63345.6	50873.9	6715.9	1472.3	-61.7
443	61182.1	49765.0	6642.7	1460.7	-56.3
444	59058.5	48660.1	6567.7	1448.9	-51.0
445	56973.3	47559.5	6493.7	1437.1	-45.8
446	54929.0	46463.5	6417.2	1425.2	-40.9
447	52921.6	45372.1	6344.1	1413.3	-35.9
448	50955.9	44285.6	6266.2	1401.2	-31.3
449	49028.2	43204.2	6191.6	1389.0	-26.7
450	47140.5	42128.2	6114.7	1376.8	-22.2
451	45291.5	41057.6	6038.8	1364.5	-17.9
452	43483.4	39992.8	5960.6	1352.1	-13.8
453	41712.5	38933.9	5885.5	1339.6	-9.7
454	39982.5	37881.2	5806.8	1327.0	-5.9
455	38291.7	36834.8	5729.2	1314.4	-2.1
456	36638.8	35794.9	5652.7	1301.7	1.6
457	35027.1	34761.9	5572.7	1288.8	4.9
458	33453.3	33735.9	5495.5	1275.9	8.2
459	31918.6	32717.1	5417.0	1262.9	11.3
460	30422.8	31705.7	5338.5	1249.9	14.4
461	28966.9	30702.1	5258.4	1236.7	17.2
462	27548.2	29706.2	5180.9	1223.4	19.9
463	26169.1	28718.5	5100.7	1210.1	22.4
464	24827.9	27739.1	5021.8	1196.6	24.8
465	23526.1	26768.5	4941.1	1183.0	26.9
466	22261.0	25806.6	4862.9	1169.4	29.0
467	21034.3	24853.7	4782.6	1155.7	30.9
468	19845.3	23910.1	4702.9	1141.9	32.7
469	18693.9	22976.0	4622.7	1128.0	34.3
470	17579.9	22051.6	4542.6	1114.0	35.7
471	16503.4	21137.3	4462.1	1100.0	36.9
472	15463.8	20233.3	4381.8	1085.8	37.9
473	14460.0	19339.7	4302.3	1071.5	38.9
474	13493.0	18456.8	4221.5	1057.1	39.6
475	12562.0	17584.9	4141.2	1042.7	40.2
476	11667.5	16724.3	4060.0	1028.1	40.5
477	10807.1	15875.1	3981.0	1013.5	40.8
478	9982.6	15037.6	3899.9	998.7	40.8
479	9192.9	14212.2	3819.5	983.9	40.6
480	8437.9	13399.0	3738.9	968.9	40.2
481	7716.4	12598.3	3659.1	953.9	39.8
482	7029.2	11810.4	3578.4	938.7	39.1
483	6374.9	11035.5	3498.7	923.5	38.2
484	5753.9	10273.9	3418.1	908.2	37.1

485	5164.7	9525.8	3338.9	892.8	35.9
486	4608.4	8791.6	3258.1	877.2	34.5
487	4083.3	8071.5	3178.8	861.6	32.8
488	3589.2	7365.7	3099.3	845.8	31.0
489	3125.8	6674.6	3019.8	830.0	29.1
490	2692.8	5998.4	2940.3	814.0	26.8
491	2289.3	5337.4	2861.3	798.0	24.5
492	1914.9	4691.9	2782.4	781.8	21.9
493	1569.1	4062.1	2703.8	765.6	19.1
494	1178.8	3447.2	2697.0	750.3	16.3
495	824.5	2843.4	2626.7	739.0	14.2
496	535.7	2251.0	2528.3	727.6	12.0
497	310.6	1670.3	2431.3	716.0	9.6
498	147.5	1101.4	2335.6	704.4	7.0
499	44.5	544.5	2241.3	692.6	4.3
500	0.0	0.0	2148.3	680.8	1.5

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Σ			1113295.4		-887558.3