

Relatório de Volumes

BAIRRO LAGOINHA A LIMOEIRO DOS SOARES

Estaca Inicial: 0+0.000

Estaca Final: 66+5.060

Estaca	Cota Projeto	Cota Terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	897.506	897.506	0.00	0.12	0.00	0.00	0.41	0.00	0.00	0.00	0.00	0.00
0+10.000	898.086	897.784	5.00	0.00	0.58	0.58	1.62	10.16	0.58	0.58	10.16	-9.58
1+0.000	898.666	898.201	5.00	0.00	0.00	0.00	2.81	22.18	0.58	0.58	32.34	-31.76
1+10.000	899.246	898.729	5.00	0.00	0.00	0.00	3.12	29.65	0.58	0.58	61.99	-61.41
2+0.000	899.827	899.351	5.00	0.00	0.00	0.00	2.87	29.95	0.58	0.58	91.94	-91.36
2+10.000	900.407	900.014	5.00	0.00	0.00	0.00	2.36	26.18	0.58	0.58	118.12	-117.54
3+0.000	900.987	900.676	5.00	0.00	0.00	0.00	1.83	20.96	0.58	0.58	139.08	-138.50
3+10.000	901.567	901.338	5.00	0.00	0.00	0.00	1.27	15.47	0.58	0.58	154.55	-153.97
4+0.000	902.147	902.001	5.00	0.00	0.00	0.00	0.73	10.01	0.58	0.58	164.56	-163.98
4+10.000	902.727	902.663	5.00	0.00	0.00	0.00	0.27	5.04	0.58	0.58	169.60	-169.02
5+0.000	903.307	903.282	5.00	0.04	0.21	0.21	0.08	1.78	0.79	0.79	171.38	-170.59
5+10.000	903.887	903.749	5.00	0.00	0.21	0.21	0.69	3.86	1.00	1.00	175.23	-174.23
6+0.000	904.429	904.213	5.00	0.00	0.00	0.00	1.28	9.79	1.00	1.00	185.02	-184.02
6+10.000	904.885	904.636	5.00	0.00	0.00	0.00	1.63	14.54	1.00	1.00	199.56	-198.56
7+0.000	905.254	904.903	5.00	0.00	0.00	0.00	2.52	20.74	1.00	1.00	220.30	-219.30
7+10.000	905.536	905.061	5.00	0.00	0.00	0.00	3.46	29.87	1.00	1.00	250.17	-249.17
8+0.000	905.770	905.172	5.00	0.00	0.00	0.00	4.10	37.70	1.00	1.00	287.87	-286.87
8+10.000	906.004	905.323	5.00	0.00	0.00	0.00	4.65	43.74	1.00	1.00	331.61	-330.61
9+0.000	906.237	905.482	5.00	0.00	0.00	0.00	5.31	49.68	1.00	1.00	381.29	-380.29
9+10.000	906.471	905.651	5.00	0.00	0.00	0.00	5.80	55.52	1.00	1.00	436.81	-435.81
10+0.000	906.704	905.861	5.00	0.00	0.00	0.00	5.84	58.21	1.00	1.00	495.02	-494.02
10+10.000	906.938	906.133	5.00	0.00	0.00	0.00	5.33	55.85	1.00	1.00	550.87	-549.87
11+0.000	907.172	906.454	5.00	0.00	0.00	0.00	4.63	49.81	1.00	1.00	600.68	-599.68
11+10.000	907.405	906.689	5.00	0.00	0.00	0.00	4.41	45.24	1.00	1.00	645.92	-644.92
12+0.000	907.639	906.973	5.00	0.00	0.00	0.00	4.12	42.68	1.00	1.00	688.60	-687.60
12+10.000	907.873	907.304	5.00	0.00	0.00	0.00	3.49	38.06	1.00	1.00	726.66	-725.66
13+0.000	908.106	907.647	5.00	0.00	0.00	0.00	2.68	30.85	1.00	1.00	757.51	-756.51
13+10.000	908.340	908.054	5.00	0.00	0.00	0.00	1.52	21.00	1.00	1.00	778.51	-777.51
14+0.000	908.574	908.460	5.00	0.00	0.00	0.00	0.41	9.63	1.00	1.00	788.14	-787.14
14+10.000	908.807	908.866	5.00	0.68	3.39	3.39	0.00	2.03	4.40	4.40	790.18	-785.78
15+0.000	909.041	909.267	5.00	1.67	11.78	11.78	0.00	0.00	16.18	16.18	790.18	-774.00
15+10.000	909.275	909.634	5.00	2.72	21.96	21.96	0.00	0.00	38.14	38.14	790.18	-752.04
16+0.000	909.508	909.887	5.00	2.87	27.94	27.94	0.00	0.00	66.07	66.07	790.18	-724.11
16+10.000	909.742	910.206	5.00	3.49	31.80	31.80	0.00	0.00	97.87	97.87	790.18	-692.31
17+0.000	909.976	910.543	5.00	4.39	39.44	39.44	0.00	0.00	137.31	137.31	790.18	-652.87
17+10.000	910.209	910.813	5.00	4.70	45.46	45.46	0.00	0.00	182.77	182.77	790.18	-607.41
18+0.000	910.443	911.082	5.00	5.01	48.56	48.56	0.00	0.00	231.33	231.33	790.18	-558.85
18+10.000	910.676	911.350	5.00	5.33	51.73	51.73	0.00	0.00	283.05	283.05	790.18	-507.12
19+0.000	910.910	911.662	5.00	5.99	56.67	56.67	0.00	0.00	339.73	339.73	790.18	-450.45
19+10.000	911.144	911.945	5.00	6.51	62.50	62.50	0.00	0.00	402.22	402.22	790.18	-387.95

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20+0.000	911.377	912.170	5.00	6.43	64.70	64.70	0.00	0.00	466.92	466.92	790.18	-323.25
20+10.000	911.611	912.379	5.00	6.22	63.23	63.23	0.00	0.00	530.15	530.15	790.18	-260.03
21+0.000	911.845	912.596	5.00	6.23	62.23	62.23	0.00	0.00	592.38	592.38	790.18	-197.79
21+10.000	912.078	912.861	5.00	6.51	63.70	63.70	0.00	0.00	656.08	656.08	790.18	-134.10
22+0.000	912.312	912.979	5.00	5.42	59.64	59.64	0.00	0.00	715.72	715.72	790.18	-74.46
22+10.000	912.546	913.032	5.00	3.86	46.39	46.39	0.00	0.00	762.11	762.11	790.18	-28.06
23+0.000	912.779	913.085	5.00	2.42	31.39	31.39	0.00	0.00	793.50	793.50	790.18	3.33
23+10.000	913.013	913.138	5.00	1.12	17.69	17.69	0.00	0.00	811.19	811.19	790.18	21.02
24+0.000	913.247	913.191	5.00	0.04	5.80	5.80	0.10	0.51	816.99	816.99	790.68	26.31
24+10.000	913.480	913.244	5.00	0.00	0.22	0.22	1.19	6.44	817.21	817.21	797.12	20.09
25+0.000	913.714	913.460	5.00	0.00	0.00	0.00	1.29	12.38	817.21	817.21	809.50	7.72
25+10.000	913.948	913.866	5.00	0.00	0.03	0.03	0.21	7.51	817.24	817.24	817.01	0.24
26+0.000	914.181	913.976	5.00	0.00	0.03	0.03	0.98	5.97	817.27	817.27	822.98	-5.71
26+10.000	914.415	914.068	5.00	0.00	0.00	0.00	1.94	14.61	817.27	817.27	837.59	-20.32
27+0.000	914.649	914.159	5.00	0.00	0.00	0.00	2.98	24.59	817.27	817.27	862.18	-44.91
27+10.000	914.882	914.336	5.00	0.00	0.00	0.00	3.40	31.84	817.27	817.27	894.02	-76.75
28+0.000	915.116	914.744	5.00	0.00	0.00	0.00	2.11	27.54	817.27	817.27	921.56	-104.29
28+10.000	915.349	914.959	5.00	0.00	0.00	0.00	2.24	21.76	817.27	817.27	943.33	-126.05
29+0.000	915.583	915.173	5.00	0.00	0.00	0.00	2.38	23.13	817.27	817.27	966.46	-149.18
29+10.000	915.817	915.388	5.00	0.00	0.00	0.00	2.52	24.51	817.27	817.27	990.97	-173.70
30+0.000	916.050	915.603	5.00	0.00	0.00	0.00	2.72	26.21	817.27	817.27	1017.18	-199.90
30+10.000	916.284	915.817	5.00	0.00	0.00	0.00	3.06	28.89	817.27	817.27	1046.06	-228.79
31+0.000	916.518	915.953	5.00	0.00	0.00	0.00	3.49	32.68	817.27	817.27	1078.75	-261.47
31+10.000	916.751	916.104	5.00	0.00	0.00	0.00	3.88	36.85	817.27	817.27	1115.59	-298.32
32+0.000	916.985	916.254	5.00	0.00	0.00	0.00	4.35	41.17	817.27	817.27	1156.76	-339.49
32+10.000	917.219	916.405	5.00	0.00	0.00	0.00	4.73	45.42	817.27	817.27	1202.18	-384.91
33+0.000	917.452	916.555	5.00	0.00	0.00	0.00	4.94	48.35	817.27	817.27	1250.53	-433.26
33+10.000	917.686	916.950	5.00	0.00	0.00	0.00	4.34	46.79	817.27	817.27	1297.32	-480.05
34+0.000	917.920	917.391	5.00	0.00	0.00	0.00	2.86	35.79	817.27	817.27	1333.11	-515.84
34+10.000	918.153	917.692	5.00	0.00	0.00	0.00	1.73	22.94	817.27	817.27	1356.05	-538.78
35+0.000	918.387	918.220	5.00	0.14	0.67	0.67	0.54	11.40	817.95	817.95	1367.46	-549.51
35+10.000	918.621	918.871	5.00	1.56	8.51	8.51	0.00	2.68	826.45	826.45	1370.13	-543.68
36+0.000	918.854	919.196	5.00	3.10	23.19	23.19	0.00	0.00	849.65	849.65	1370.13	-520.48
36+10.000	919.088	919.303	5.00	2.53	28.14	28.14	0.00	0.00	877.79	877.79	1370.13	-492.34
37+0.000	919.321	919.493	5.00	1.83	21.93	21.93	0.00	0.00	899.72	899.72	1370.13	-470.41

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37+10.00 0	919.555	919.689	5.00	1.49	16.61	16.61	0.00	0.00	916.34	916.34	1370.13	-453.80
38+0.000	919.789	919.886	5.00	1.23	13.62	13.62	0.00	0.00	929.96	929.96	1370.13	-440.18
38+10.00 0	920.022	920.083	5.00	0.97	11.00	11.00	0.00	0.00	940.95	940.95	1370.13	-429.18
39+0.000	920.256	920.280	5.00	0.72	8.43	8.43	0.00	0.00	949.38	949.38	1370.13	-420.75
39+10.00 0	920.490	920.475	5.00	0.50	6.03	6.03	0.00	0.03	955.41	955.41	1370.17	-414.75
40+0.000	920.723	920.670	5.00	0.33	4.17	4.17	0.09	0.48	959.59	959.59	1370.65	-411.06
40+10.00 0	920.957	920.866	5.00	0.23	2.79	2.79	0.24	1.62	962.38	962.38	1372.27	-409.89
41+0.000	921.191	921.061	5.00	0.14	1.85	1.85	0.40	3.19	964.23	964.23	1375.45	-411.23
41+10.00 0	921.424	921.338	5.00	0.15	1.39	1.39	0.23	3.19	965.62	965.62	1378.64	-413.02
42+0.000	921.658	921.660	5.00	0.49	3.07	3.07	0.00	1.15	968.69	968.69	1379.79	-411.10
42+10.00 0	921.907	922.047	5.00	1.45	9.68	9.68	0.00	0.00	978.37	978.37	1379.79	-401.42
43+0.000	922.238	922.443	5.00	1.97	17.00	17.00	0.00	0.00	995.37	995.37	1379.79	-384.42
43+10.00 0	922.655	922.846	5.00	1.87	19.17	19.17	0.00	0.00	1014.54	1014.54	1379.79	-365.25
44+0.000	923.160	923.251	5.00	1.17	15.13	15.13	0.00	0.00	1029.67	1029.67	1379.79	-350.12
44+10.00 0	923.737	923.737	5.00	0.56	8.60	8.60	0.00	0.00	1038.27	1038.27	1379.79	-341.52
45+0.000	924.320	924.390	5.00	0.74	6.84	6.84	0.00	0.02	1045.11	1045.11	1379.81	-334.70
45+10.00 0	924.903	924.809	5.00	0.80	7.86	7.86	0.12	0.64	1052.97	1052.97	1380.45	-327.49
46+0.000	925.487	925.520	5.00	2.00	13.86	13.86	0.00	0.63	1066.82	1066.82	1381.08	-314.26
46+10.00 0	926.070	926.414	5.00	4.77	33.60	33.60	0.00	0.00	1100.43	1100.43	1381.08	-280.65
47+0.000	926.654	927.230	5.00	7.64	59.75	59.75	0.00	0.00	1160.17	1160.17	1381.08	-220.91
47+10.00 0	927.237	927.815	5.00	8.78	82.10	82.10	0.00	0.00	1242.28	1242.28	1381.08	-138.80
48+0.000	927.820	928.199	5.00	7.85	81.54	81.54	0.00	0.00	1323.81	1323.81	1381.08	-57.27
48+10.00 0	928.404	928.745	5.00	5.07	64.59	64.59	0.00	0.00	1388.40	1388.40	1381.08	7.32
49+0.000	928.987	929.292	5.00	3.35	41.34	41.34	0.00	0.00	1429.74	1429.74	1381.08	48.66
49+10.00 0	929.567	929.842	5.00	2.61	29.77	29.77	0.00	0.00	1459.52	1459.52	1381.08	78.44
50+0.000	930.121	930.401	5.00	2.24	24.33	24.33	0.00	0.00	1483.84	1483.84	1381.08	102.77
50+10.00 0	930.648	930.899	5.00	1.98	21.14	21.14	0.00	0.00	1504.99	1504.99	1381.08	123.91
51+0.000	931.148	931.354	5.00	1.76	18.74	18.74	0.00	0.00	1523.72	1523.72	1381.08	142.65
51+10.00 0	931.620	931.871	5.00	1.83	17.97	17.97	0.00	0.00	1541.69	1541.69	1381.08	160.61
52+0.000	932.064	932.243	5.00	1.29	15.60	15.60	0.00	0.00	1557.29	1557.29	1381.08	176.21
52+10.00 0	932.481	932.585	5.00	0.68	9.87	9.87	0.00	0.00	1567.15	1567.15	1381.08	186.08
53+0.000	932.870	932.864	5.00	0.13	4.07	4.07	0.06	0.30	1571.22	1571.22	1381.37	189.85
53+10.00 0	933.232	933.124	5.00	0.00	0.66	0.66	0.58	3.18	1571.88	1571.88	1384.55	187.33
54+0.000	933.566	933.350	5.00	0.00	0.00	0.00	1.51	10.42	1571.88	1571.88	1394.97	176.91

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54+10.00 0	933.872	933.543	5.00	0.00	0.00	0.00	2.37	19.38	1571.88	1571.88	1414.35	157.53
55+0.000	934.151	933.703	5.00	0.00	0.00	0.00	3.24	28.07	1571.88	1571.88	1442.42	129.46
55+10.00 0	934.403	933.785	5.00	0.00	0.00	0.00	3.91	35.86	1571.88	1571.88	1478.28	93.60
56+0.000	934.627	934.148	5.00	0.00	0.00	0.00	3.35	36.14	1571.88	1571.88	1514.42	57.46
56+10.00 0	934.823	934.494	5.00	0.00	0.00	0.00	2.23	28.14	1571.88	1571.88	1542.55	29.33
57+0.000	934.992	934.660	5.00	0.00	0.00	0.00	1.89	20.61	1571.88	1571.88	1563.16	8.71
57+10.00 0	935.133	934.846	5.00	0.00	0.00	0.00	1.55	17.21	1571.88	1571.88	1580.37	-8.49
58+0.000	935.246	935.031	5.00	0.00	0.00	0.00	1.10	13.24	1571.88	1571.88	1593.61	-21.73
58+10.00 0	935.332	935.216	5.00	0.00	0.00	0.00	0.51	8.03	1571.88	1571.88	1601.64	-29.76
59+0.000	935.391	935.385	5.00	0.21	1.05	1.05	0.00	2.55	1572.93	1572.93	1604.19	-31.26
59+10.00 0	935.421	935.517	5.00	1.00	6.05	6.05	0.00	0.00	1578.98	1578.98	1604.20	-25.22
60+0.000	935.425	935.703	5.00	2.24	16.18	16.18	0.00	0.00	1595.16	1595.16	1604.20	-9.04
60+10.00 0	935.400	935.894	5.00	3.74	29.87	29.87	0.00	0.00	1625.03	1625.03	1604.20	20.83
61+0.000	935.348	936.070	5.00	5.40	45.91	45.91	0.00	0.00	1670.94	1670.94	1604.20	66.75
61+10.00 0	935.269	936.076	5.00	5.80	56.01	56.01	0.00	0.00	1726.95	1726.95	1604.20	122.75
62+0.000	935.162	935.879	5.00	4.38	50.67	50.67	0.00	0.00	1777.62	1777.62	1604.20	173.42
62+10.00 0	935.027	935.513	5.00	3.10	37.26	37.26	0.00	0.00	1814.88	1814.88	1604.20	210.68
63+0.000	934.865	935.227	5.00	2.60	28.51	28.51	0.00	0.00	1843.39	1843.39	1604.20	239.19
63+10.00 0	934.675	934.943	5.00	1.97	22.88	22.88	0.00	0.00	1866.27	1866.27	1604.20	262.07
64+0.000	934.458	934.661	5.00	1.51	17.43	17.43	0.00	0.00	1883.70	1883.70	1604.20	279.50
64+10.00 0	934.213	934.281	5.00	0.72	11.16	11.16	0.00	0.00	1894.86	1894.86	1604.20	290.67
65+0.000	933.941	933.897	5.00	0.08	3.99	3.99	0.07	0.34	1898.86	1898.86	1604.54	294.32
65+10.00 0	933.641	933.514	5.00	0.00	0.39	0.39	0.50	2.85	1899.24	1899.24	1607.39	291.86
66+0.000	933.313	933.103	5.00	0.00	0.00	0.00	0.60	5.51	1899.24	1899.24	1612.90	286.35
66+5.060	933.137	933.137	2.53	0.46	1.16	1.16	0.00	1.51	1900.40	1900.40	1614.41	285.99

Relatório de Volumes

RAMAL CORREIOS A SITIO SÃO SILVESTRE


Estaca
Inicial: 0+0,0
00
Estaca
Final: 52+8,7
3

Estaca	Cota Projeto	Cota Terreno	Semi Distância (m)	Área de Corte (m²)	Volume de Corte (m³)	Vol. Reuso (m³)	Área de Aterro (m²)	Volume Aterro (m³)	Vol. Acum. Corte (m³)	Vol. Reuso Acum. (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
0+0,000	939.572	939.572	0	0,33	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0+10,000	939.567	939.430	5	0,00	1,71	1,71	0,46	2,28	1,71	1,71	2,28	-0,57
1+0,000	939.563	939.378	5	0,00	0,04	0,04	0,72	6,04	1,75	1,75	8,32	-6,57
1+10,000	939.558	939.426	5	0,02	0,08	0,08	0,42	5,75	1,83	1,83	14,07	-12,24
2+0,000	939.554	939.581	5	0,61	3,13	3,13	0,00	2,11	4,96	4,96	16,18	-11,22
2+10,000	939.503	939.628	5	1,06	8,36	8,36	0,00	0,00	13,32	13,32	16,18	-2,86
3+0,000	939.350	939.549	5	1,22	11,43	11,43	0,00	0,00	24,75	24,75	16,18	8,57
3+10,000	939.095	939.251	5	1,15	11,89	11,89	0,00	0,00	36,64	36,64	16,18	20,46
4+0,000	938.738	938.938	5	1,62	13,79	13,79	0,00	0,00	50,43	50,43	16,18	34,25
4+10,000	938.324	938.624	5	2,19	19,16	19,16	0,00	0,00	69,59	69,59	16,18	53,41
5+0,000	937.910	938.159	5	1,99	21,09	21,09	0,00	0,00	90,68	90,68	16,18	74,50
5+10,000	937.497	937.690	5	1,76	18,77	18,77	0,00	0,00	109,45	109,45	16,18	93,27
6+0,000	937.083	937.255	5	1,61	16,84	16,84	0,00	0,00	126,29	126,29	16,18	110,11
6+10,000	936.669	936.839	5	1,57	15,87	15,87	0,00	0,00	142,16	142,16	16,18	125,98
7+0,000	936.255	936.405	5	1,4	14,85	14,85	0,00	0,00	157,01	157,01	16,18	140,83
7+10,000	935.844	935.921	5	0,82	11,11	11,11	0,00	0,00	168,12	168,12	16,18	151,94
8+0,000	935.511	935.459	5	0,14	4,73	4,73	0,3	1,55	172,85	172,85	17,73	155,12
8+10,000	935.289	934.898	5	0,00	0,69	0,69	2,11	12,02	173,54	173,54	29,75	143,79
9+0,000	935.178	934.646	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
9+10,000	935.176	934.917	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
10+0,000	935.209	934.958	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
10+10,000	935.241	934.993	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
11+0,000	935.273	935.021	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
11+10,000	935.305	935.033	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
12+0,000	935.338	935.080	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
12+10,000	935.370	935.158	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
13+0,000	935.402	935.338	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
13+10,000	935.434	935.424	5	0,00	0,00	0,00	0,00	0,00	173,54	173,54	29,75	143,79
14+0,000	935.467	935.615	5	0,85	6,00	6,00	0,00	0,02	179,54	179,54	29,77	149,77
14+10,000	935.499	935.479	5	0,17	5,07	5,07	0,02	0,09	184,61	184,61	29,86	154,75
15+0,000	935.532	935.436	5	0,00	0,9	0,9	0,31	1,62	185,51	185,51	31,48	154,03
15+10,000	935.564	935.489	5	0,00	0,05	0,05	0,21	2,61	185,56	185,56	34,09	151,47
16+0,000	935.597	935.555	5	0,07	0,35	0,35	0,06	1,39	185,91	185,91	35,48	150,43
16+10,000	935.630	935.633	5	0,29	1,8	1,8	0,00	0,32	187,71	187,71	35,8	151,91
17+0,000	935.658	935.718	5	0,65	4,74	4,74	0,00	0,00	192,45	192,45	35,8	156,65
17+10,000	935.673	935.721	5	0,51	5,82	5,82	0,00	0,00	198,27	198,27	35,8	162,47
18+0,000	935.672	935.646	5	0,07	2,92	2,92	0,07	0,33	201,19	201,19	36,13	165,06
18+10,000	935.657	935.491	5	0,00	0,36	0,36	0,86	4,64	201,55	201,55	40,77	160,78
19+0,000	935.632	935.377	5	0,00	0,00	0,00	1,41	11,39	201,55	201,55	52,16	149,39
19+10,000	935.606	935.302	5	0,00	0,00	0,00	1,74	15,77	201,55	201,55	67,93	133,62
20+0,000	935.580	935.248	5	0,00	0,00	0,00	1,94	18,39	201,55	201,55	86,32	115,23
20+10,000	935.554	935.200	5	0,00	0,00	0,00	2,08	20,11	201,55	201,55	106,43	95,12
21+0,000	935.528	935.161	5	0,00	0,00	0,00	2,19	21,37	201,55	201,55	127,8	73,75
21+10,000	935.503	935.114	5	0,00	0,00	0,00	2,35	22,72	201,55	201,55	150,52	51,03
22+0,000	935.477	935.120	5	0,00	0,00	0,00	1,97	21,6	201,55	201,55	172,12	29,43
22+10,000	935.453	935.220	5	0,00	0,00	0,00	1,13	15,48	201,55	201,55	187,6	13,95
23+0,000	935.477	935.326	5	0,00	0,00	0,00	0,6	8,64	201,55	201,55	196,24	5,31
23+10,000	935.567	935.439	5	0,00	0,00	0,00	0,45	5,24	201,55	201,55	201,48	0,07
24+0,000	935.722	935.565	5	0,00	0,00	0,00	0,7	5,76	201,55	201,55	207,24	-5,69
24+10,000	935.941	935.723	5	0,00	0,00	0,00	1,75	12,27	201,55	201,55	219,51	-17,96
25+0,000	936.179	935.891	5	0,00	0,00	0,00	2,4	20,75	201,55	201,55	240,26	-38,71
25+10,000	936.414	936.101	5	0,00	0,00	0,00	2,69	25,5	201,55	201,55	265,76	-64,21
26+0,000	936.590	936.349	5	0,00	0,00	0,00	2,16	24,17	201,55	201,55	289,93	-88,38
26+10,000	936.680	936.658	5	0,07	0,37	0,37	0,8	14,78	201,92	201,92	304,71	-102,79
27+0,000	936.686	936.786	5	0,59	3,33	3,33	0,03	4,12	205,25	205,25	308,83	-103,58
27+10,000	936.606	936.718	5	0,66	6,25	6,25	0,00	0,15	211,5	211,5	308,98	-97,48
28+0,000	936.442	936.490	5	0,4	5,24	5,24	0,00	0,02	216,74	216,74	309	-92,26
28+10,000	936.192	936.181	5	0,08	2,48	2,48	0,00	0,04	219,22	219,22	309,04	-89,82
29+0,000	935.857	935.771	5	0,00	0,41	0,41	0,38	1,94	219,63	219,63	310,98	-91,35
29+10,000	935.437	935.360	5	0,00	0,00	0,00	0,32	3,52	219,63	219,63	314,5	-94,87


JOTA BARROS PROJETOS
Arthur Moreira Torquato
Engº Civil - CREA 539000 - CE

30+0,000	934.932	934.860	5	0,09	0,4	0,4	0,27	3,05	220,03	220,03	317,55	-97,52
30+10,000	934.344	934.331	5	0,37	2,3	2,3	0,07	1,73	222,33	222,33	319,28	-96,95
31+0,000	933.731	933.802	5	0,88	6,26	6,26	0,00	0,37	228,59	228,59	319,65	-91,06
31+10,000	933.119	933.273	5	1,47	11,78	11,78	0,00	0,00	240,37	240,37	319,65	-79,28
32+0,000	932.507	932.716	5	1,66	16,19	16,19	0,00	0,00	256,56	256,56	319,65	-63,09
32+10,000	931.894	932.101	5	1,76	17,11	17,11	0,00	0,00	273,67	273,67	319,65	-45,98
33+0,000	931.282	931.510	5	1,86	18,07	18,07	0,00	0,00	291,74	291,74	319,65	-27,91
33+10,000	930.669	930.870	5	1,71	17,83	17,83	0,00	0,00	309,57	309,57	319,65	-10,08
34+0,000	930.057	930.342	5	2,47	20,92	20,92	0,00	0,00	330,49	330,49	319,65	10,84
34+10,000	929.444	929.807	5	2,84	26,53	26,53	0,00	0,00	357,02	357,02	319,65	37,37
35+0,000	928.832	929.115	5	2,33	25,84	25,84	0,00	0,00	382,86	382,86	319,65	63,21
35+10,000	928.220	928.423	5	1,8	20,66	20,66	0,00	0,00	403,52	403,52	319,65	83,87
36+0,000	927.607	927.731	5	1,25	15,23	15,23	0,00	0,00	418,75	418,75	319,65	99,1
36+10,000	926.995	927.040	5	0,7	9,74	9,74	0,00	0,00	428,49	428,49	319,65	108,84
37+0,000	926.382	926.348	5	0,21	4,58	4,58	0,03	0,16	433,07	433,07	319,81	113,26
37+10,000	925.770	925.656	5	0,02	1,19	1,19	0,33	1,83	434,26	434,26	321,64	112,62
38+0,000	925.157	924.964	5	0,00	0,12	0,12	0,8	5,68	434,38	434,38	327,32	107,06
38+10,000	924.545	924.272	5	0,00	0,00	0,00	1,31	10,57	434,38	434,38	337,89	96,49
39+0,000	923.933	923.705	5	0,00	0,00	0,00	1,13	12,24	434,38	434,38	350,13	84,25
39+10,000	923.320	923.179	5	0,00	0,00	0,00	0,64	8,87	434,38	434,38	359	75,38
40+0,000	922.708	922.586	5	0,00	0,00	0,00	0,54	5,9	434,38	434,38	364,9	69,48
40+10,000	922.101	921.960	5	0,00	0,00	0,00	0,67	6,05	434,38	434,38	370,95	63,43
41+0,000	921.566	921.341	5	0,00	0,00	0,00	0,91	7,89	434,38	434,38	378,84	55,54
41+10,000	921.121	920.951	5	0,00	0,00	0,00	0,68	7,91	434,38	434,38	386,75	47,63
42+0,000	920.768	920.548	5	0,00	0,00	0,00	0,97	8,22	434,38	434,38	394,97	39,41
42+10,000	920.500	920.121	5	0,00	0,00	0,00	1,9	14,34	434,38	434,38	409,31	25,07
43+0,000	920.251	919.857	5	0,00	0,00	0,00	2,32	21,08	434,38	434,38	430,39	3,99
43+10,000	920.002	919.584	5	0,00	0,00	0,00	2,51	24,19	434,38	434,38	454,58	-20,2
44+0,000	919.753	919.303	5	0,00	0,00	0,00	2,66	25,88	434,38	434,38	480,46	-46,08
44+10,000	919.505	919.039	5	0,00	0,00	0,00	2,28	24,74	434,38	434,38	505,2	-70,82
45+0,000	919.256	918.868	5	0,00	0,00	0,00	3,04	26,6	434,38	434,38	531,8	-97,42
45+10,000	919.032	918.883	5	0,00	0,00	0,00	2,91	29,04	434,38	434,38	560,84	-126,46
46+0,000	918.963	918.412	5	0,03	0,13	0,13	3,56	30,68	434,51	434,51	591,52	-157,01
46+10,000	919.063	918.917	5	0,00	0,19	0,19	0,75	21,53	434,7	434,7	613,05	-178,35
47+0,000	919.336	919.332	5	0,30	1,58	1,58	0,08	4,04	436,28	436,28	617,09	-180,81
47+10,000	919.759	919.671	5	0,09	1,93	1,93	0,36	2,18	438,21	438,21	619,27	-181,06
48+0,000	920.201	919.846	5	0,00	0,43	0,43	1,79	10,77	438,64	438,64	630,04	-191,4
48+10,000	920.643	920.252	5	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4
49+0,000	921.086	920.682	5	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4
49+10,000	921.528	921.239	5	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4
50+0,000	921.970	921.824	5	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4
50+10,000	922.377	922.413	5	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4
51+0,000	922.715	922.864	5	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4
51+10,000	922.986	922.985	5	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4
52+0,000	923.190	923.232	5	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4
52+8,73	923.342	923.361	4,46	0,00	0,00	0,00	0,000	0,000	438,64	438,64	630,04	-191,4

ESTACAS E9 A E13+10 e E50+10 A E 52+8,73 - TERRAPLANAGEM SERÁ EXECUTADA ATRAVES DO CONVENIO PT 1071913-77


 JOTA BARROS PROJETOS
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE


Relatório de Volumes

RAMAL CRUZ DAS ALMAS


Estaca Inicial: 30+0.000

Estaca Final: 173+2.20

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
30+0.000	892.038	891.731	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
30+10.000	892.070	891.855	5,00	0,00	0,00	0,00	1,04	12,52	253,54	253,54	12,52	241,02
31+0.000	892.096	891.906	5,00	0,00	0,00	0,00	1,06	10,50	253,54	253,54	23,02	230,52
31+10.000	892.122	891.895	5,00	0,00	0,00	0,00	1,56	13,13	253,54	253,54	36,15	217,39
32+0.000	892.149	891.775	5,00	0,00	0,00	0,00	2,30	19,30	253,54	253,54	55,45	198,09
32+10.000	892.175	891.711	5,00	0,00	0,00	0,00	2,71	25,04	253,54	253,54	80,49	173,05
33+0.000	892.202	891.716	5,00	0,00	0,00	0,00	2,74	27,25	253,54	253,54	107,74	145,80
33+10.000	892.228	891.815	5,00	0,00	0,00	0,00	2,43	25,86	253,54	253,54	133,60	119,94
34+0.000	892.254	891.795	5,00	0,00	0,00	0,00	2,57	25,00	253,54	253,54	158,60	94,94
34+10.000	892.281	891.801	5,00	0,00	0,00	0,00	2,63	25,89	253,54	253,54	184,49	69,05
35+0.000	892.307	891.825	5,00	0,00	0,00	0,00	2,64	26,39	253,54	253,54	210,88	42,66
35+10.000	892.333	891.873	5,00	0,00	0,00	0,00	2,46	25,52	253,54	253,54	236,40	17,14
36+0.000	892.360	891.943	5,00	0,00	0,00	0,00	2,18	23,26	253,54	253,54	259,66	-6,12
36+10.000	892.386	892.021	5,00	0,00	0,00	0,00	1,84	20,08	253,54	253,54	279,74	-26,20
37+0.000	892.412	892.080	5,00	0,00	0,00	0,00	1,61	17,25	253,54	253,54	296,99	-43,45
37+10.000	892.439	892.154	5,00	0,00	0,00	0,00	1,33	14,72	253,54	253,54	311,71	-58,17
38+0.000	892.465	892.243	5,00	0,00	0,00	0,00	0,93	11,31	253,54	253,54	323,02	-69,48
38+10.000	892.492	892.353	5,00	0,04	0,17	0,17	0,44	6,89	253,71	253,71	329,91	-76,20
39+0.000	892.518	892.468	5,00	0,21	1,20	1,20	0,07	2,56	254,91	254,91	332,47	-77,56
39+10.000	892.549	892.592	5,00	0,75	4,80	4,80	0,00	0,33	259,71	259,71	332,80	-73,09
40+0.000	892.625	892.735	5,00	1,20	9,73	9,73	0,00	0,00	269,44	269,44	332,80	-63,36
40+10.000	892.755	892.887	5,00	1,30	12,52	12,52	0,00	0,00	281,96	281,96	332,80	-50,84
41+0.000	892.940	893.053	5,00	1,14	12,23	12,23	0,00	0,00	294,19	294,19	332,80	-38,61
41+10.000	893.174	893.354	5,00	1,31	12,27	12,27	0,00	0,00	306,47	306,47	332,80	-26,33
42+0.000	893.417	893.699	5,00	2,10	17,05	17,05	0,00	0,00	323,52	323,52	332,80	-9,28
42+10.000	893.661	893.982	5,00	2,65	23,74	23,74	0,00	0,00	347,26	347,26	332,80	14,46
43+0.000	893.904	894.356	5,00	3,58	31,14	31,14	0,00	0,00	378,40	378,40	332,80	45,60
43+10.000	894.148	894.788	5,00	4,81	41,97	41,97	0,00	0,00	420,37	420,37	332,80	87,57
44+0.000	894.392	895.000	5,00	4,82	48,15	48,15	0,00	0,00	468,52	468,52	332,80	135,72
44+10.000	894.635	895.212	5,00	4,47	46,42	46,42	0,00	0,00	514,94	514,94	332,80	182,14
45+0.000	894.879	895.423	5,00	4,14	43,05	43,05	0,00	0,00	557,99	557,99	332,80	225,19
45+10.000	895.122	895.635	5,00	3,87	40,05	40,05	0,00	0,00	598,04	598,04	332,80	265,24
46+0.000	895.366	895.818	5,00	3,38	36,33	36,33	0,00	0,00	634,37	634,37	332,80	301,57
46+10.000	895.609	896.025	5,00	2,96	31,76	31,76	0,00	0,00	666,13	666,13	332,80	333,33
47+0.000	895.853	896.142	5,00	2,19	25,83	25,83	0,00	0,00	691,96	691,96	332,80	359,16
47+10.000	896.096	896.304	5,00	1,74	19,69	19,69	0,00	0,00	711,65	711,65	332,80	378,85
48+0.000	896.340	896.510	5,00	1,47	16,04	16,04	0,00	0,00	727,69	727,69	332,80	394,89
48+10.000	896.583	896.716	5,00	1,21	13,38	13,38	0,00	0,00	741,07	741,07	332,80	408,27
49+0.000	896.827	896.922	5,00	0,95	10,78	10,78	0,00	0,00	751,85	751,85	332,80	419,05
49+10.000	897.070	897.128	5,00	0,70	8,23	8,23	0,00	0,00	760,08	760,08	332,80	427,28
50+0.000	897.314	897.334	5,00	0,45	5,74	5,74	0,00	0,00	765,81	765,81	332,80	433,01
50+10.000	897.557	897.540	5,00	0,21	3,31	3,31	0,00	0,04	769,13	769,13	332,84	436,29
51+0.000	897.801	897.746	5,00	0,03	1,22	1,22	0,09	0,51	770,35	770,35	333,35	437,00
51+10.000	898.045	897.952	5,00	0,00	0,17	0,17	0,36	2,24	770,52	770,52	335,59	434,93
52+0.000	898.288	898.158	5,00	0,00	0,00	0,00	0,72	5,40	770,52	770,52	340,99	429,53
52+10.000	898.532	898.364	5,00	0,00	0,00	0,00	1,15	9,37	770,52	770,52	350,36	420,16
53+0.000	898.775	898.525	5,00	0,00	0,00	0,00	1,70	14,26	770,52	770,52	364,62	405,90
53+10.000	899.012	898.686	5,00	0,00	0,00	0,00	2,22	19,64	770,52	770,52	384,26	386,26
54+0.000	899.191	898.897	5,00	0,00	0,00	0,00	2,18	21,98	770,52	770,52	406,24	364,28
54+10.000	899.302	898.946	5,00	0,00	0,00	0,00	2,49	23,35	770,52	770,52	429,59	340,93
55+0.000	899.345	898.912	5,00	0,00	0,00	0,00	3,10	27,96	770,52	770,52	457,55	312,97
55+10.000	899.326	898.878	5,00	0,00	0,00	0,00	3,28	31,89	770,52	770,52	489,44	281,08
56+0.000	899.297	898.844	5,00	0,00	0,00	0,00	3,36	33,20	770,52	770,52	522,64	247,88
56+10.000	899.268	898.811	5,00	0,00	0,00	0,00	3,45	34,04	770,52	770,52	556,68	213,84
57+0.000	899.238	898.777	5,00	0,00	0,00	0,00	3,52	34,84	770,52	770,52	591,52	179,00
57+10.000	899.209	898.740	5,00	0,00	0,00	0,00	3,37	34,46	770,52	770,52	625,98	144,54
58+0.000	899.180	898.614	5,00	0,00	0,00	0,00	3,37	33,64	770,52	770,52	659,62	110,90
58+10.000	899.150	898.531	5,00	0,00	0,00	0,00	3,51	34,63	770,52	770,52	694,25	76,27
59+0.000	899.121	898.521	5,00	0,00	0,00	0,00	3,39	34,49	770,52	770,52	728,74	41,78
59+10.000	899.092	898.566	5,00	0,00	0,00	0,00	3,21	32,93	770,52	770,52	761,67	8,85


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98+10.000	907.011	906.984	5,00	0,00	0,00	0,00	0,81	7,90	976,30	976,30	2280,04	-1303,74
99+0.000	907.071	906.964	5,00	0,02	0,12	0,12	0,58	6,60	976,42	976,42	2286,64	-1310,22
99+10.000	907.094	906.732	5,00	0,10	0,56	0,56	1,82	12,26	976,98	976,98	2298,90	-1321,92
100+0.000	907.109	906.574	5,00	0,06	0,79	0,79	2,17	19,94	977,77	977,77	2318,84	-1341,07
100+10.000	907.124	906.560	5,00	0,00	0,31	0,31	2,86	24,95	978,08	978,08	2343,79	-1365,71
101+0.000	907.138	906.560	5,00	0,00	0,00	0,00	3,07	29,73	978,08	978,08	2373,52	-1395,44
101+10.000	907.153	906.779	5,00	0,00	0,00	0,00	2,00	25,36	978,08	978,08	2398,88	-1420,80
102+0.000	907.168	906.980	5,00	0,21	1,03	1,03	0,96	14,80	979,11	979,11	2413,68	-1434,57
102+10.000	907.182	907.092	5,00	0,47	3,39	3,39	0,61	7,82	982,49	982,49	2421,50	-1439,01
103+0.000	907.197	907.020	5,00	0,18	3,33	3,33	1,30	9,37	985,82	985,82	2430,87	-1445,05
103+10.000	907.211	906.923	5,00	0,03	0,97	0,97	1,46	14,32	986,79	986,79	2445,19	-1458,40
104+0.000	907.226	906.916	5,00	0,11	0,70	0,70	1,82	16,10	987,50	987,50	2461,29	-1473,79
104+10.000	907.241	907.032	5,00	0,12	1,11	1,11	2,13	19,79	988,60	988,60	2481,08	-1492,48
105+0.000	907.255	907.148	5,00	0,12	1,20	1,20	2,11	21,22	989,80	989,80	2502,30	-1512,50
105+10.000	907.270	907.263	5,00	0,22	1,74	1,74	1,85	19,79	991,54	991,54	2522,09	-1530,55
106+0.000	907.285	907.379	5,00	0,54	3,81	3,81	1,45	16,48	995,35	995,35	2538,57	-1543,22
106+10.000	907.299	907.495	5,00	0,96	7,51	7,51	1,01	12,29	1002,85	1002,85	2550,86	-1548,01
107+0.000	907.318	907.554	5,00	1,77	13,23	13,23	0,00	5,47	1016,08	1016,08	2556,33	-1540,25
107+10.000	907.441	907.231	5,00	0,86	13,17	13,17	1,18	5,88	1029,25	1029,25	2562,21	-1532,96
108+0.000	907.708	907.545	5,00	0,42	6,41	6,41	0,91	10,42	1035,66	1035,66	2572,63	-1536,97
108+10.000	908.118	907.929	5,00	0,33	3,72	3,72	1,24	10,83	1039,38	1039,38	2583,46	-1544,08
109+0.000	908.667	908.210	5,00	0,05	1,91	1,91	2,49	18,65	1041,29	1041,29	2602,11	-1560,82
109+10.000	909.257	908.886	5,00	0,00	0,24	0,24	2,43	24,52	1041,53	1041,53	2626,63	-1585,10
110+0.000	909.846	909.599	5,00	0,00	0,00	0,00	1,87	21,50	1041,53	1041,53	2648,13	-1606,60
110+10.000	910.416	910.312	5,00	0,00	0,00	0,00	0,90	13,84	1041,53	1041,53	2661,97	-1620,44
111+0.000	910.858	911.025	5,00	0,63	3,14	3,14	0,05	4,73	1044,67	1044,67	2666,70	-1622,03
111+10.000	911.153	911.144	5,00	0,11	3,86	3,86	0,62	3,02	1048,53	1048,53	2669,72	-1621,19
112+0.000	911.302	911.186	5,00	0,00	0,56	0,56	1,26	9,40	1049,08	1049,08	2679,12	-1630,04
112+10.000	911.325	911.229	5,00	0,00	0,00	0,00	1,12	11,91	1049,08	1049,08	2691,03	-1641,95
113+0.000	911.330	911.271	5,00	0,02	0,08	0,08	0,87	9,95	1049,16	1049,16	2700,98	-1651,82
113+10.000	911.336	911.314	5,00	0,08	0,47	0,47	0,67	7,73	1049,63	1049,63	2708,71	-1659,08
114+0.000	911.341	911.357	5,00	0,19	1,35	1,35	0,52	5,99	1050,98	1050,98	2714,70	-1663,72
114+10.000	911.346	911.399	5,00	0,32	2,57	2,57	0,34	4,31	1053,54	1053,54	2719,01	-1665,47
115+0.000	911.352	911.407	5,00	0,34	3,36	3,36	0,29	3,10	1056,91	1056,91	2722,11	-1665,20
115+10.000	911.357	911.403	5,00	0,30	3,21	3,21	0,32	3,08	1060,12	1060,12	2725,19	-1665,07
116+0.000	911.362	911.399	5,00	0,27	2,85	2,85	0,35	3,37	1062,97	1062,97	2728,56	-1665,59
116+10.000	911.368	911.395	5,00	0,23	2,51	2,51	0,38	3,67	1065,48	1065,48	2732,23	-1666,75
117+0.000	911.373	911.390	5,00	0,20	2,17	2,17	0,41	3,98	1067,65	1067,65	2736,21	-1668,56
117+10.000	911.378	911.386	5,00	0,17	1,85	1,85	0,45	4,30	1069,49	1069,49	2740,51	-1671,02
118+0.000	911.384	911.382	5,00	0,14	1,54	1,54	0,48	4,64	1071,03	1071,03	2745,15	-1674,12
118+10.000	911.389	911.378	5,00	0,11	1,24	1,24	0,52	5,00	1072,27	1072,27	2750,15	-1677,88
119+0.000	911.394	911.374	5,00	0,09	0,98	0,98	0,56	5,38	1073,26	1073,26	2755,53	-1682,27
119+10.000	911.400	911.370	5,00	0,06	0,75	0,75	0,60	5,80	1074,00	1074,00	2761,33	-1687,33
120+0.000	911.405	911.366	5,00	0,05	0,55	0,55	0,64	6,22	1074,55	1074,55	2767,55	-1693,00
120+10.000	911.405	911.362	5,00	0,04	0,42	0,42	0,50	5,69	1074,98	1074,98	2773,24	-1698,26
121+0.000	911.399	911.359	5,00	0,04	0,42	0,42	0,18	3,29	1075,40	1075,40	2776,53	-1701,13
121+10.000	911.388	911.359	5,00	0,09	0,68	0,68	0,03	1,03	1076,08	1076,08	2777,56	-1701,48
122+0.000	911.370	911.358	5,00	0,24	1,65	1,65	0,00	0,15	1077,73	1077,73	2777,71	-1699,98
122+10.000	911.351	911.358	5,00	0,36	2,97	2,97	0,00	0,02	1080,70	1080,70	2777,73	-1697,03
123+0.000	911.333	911.357	5,00	0,48	4,17	4,17	0,00	0,00	1084,87	1084,87	2777,73	-1692,86
123+10.000	911.314	911.357	5,00	0,60	5,36	5,36	0,00	0,00	1090,23	1090,23	2777,73	-1687,50
124+0.000	911.295	911.357	5,00	0,79	6,93	6,93	0,00	0,00	1097,16	1097,16	2777,73	-1680,57
124+10.000	911.277	911.356	5,00	1,16	9,77	9,77	0,00	0,00	1106,92	1106,92	2777,73	-1670,81
125+0.000	911.287	911.356	5,00	1,41	12,90	12,90	0,00	0,00	1119,82	1119,82	2777,73	-1657,91
125+10.000	911.342	911.039	5,00	0,97	11,88	11,88	0,53	2,65	1131,70	1131,70	2780,38	-1648,68
126+0.000	911.443	911.306	5,00	0,65	8,08	8,08	0,45	4,91	1139,78	1139,78	2785,29	-1645,51
126+10.000	911.589	911.531	5,00	0,29	4,58	4,58	0,25	3,50	1144,35	1144,35	2788,79	-1644,44
127+0.000	911.751	911.498	5,00	0,52	4,04	4,04	0,80	5,23	1148,40	1148,40	2794,02	-1645,62


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127+10.00 0	911.913	911.658	5,00	0,44	4,80	4,80	0,83	8,17	1153,20	1153,20	2802,19	-1648,99
128+0.000	912.076	911.817	5,00	0,37	4,07	4,07	0,85	8,41	1157,27	1157,27	2810,60	-1653,33
128+10.00 0	912.238	911.976	5,00	0,35	3,60	3,60	0,86	8,57	1160,88	1160,88	2819,17	-1658,29
129+0.000	912.400	912.135	5,00	0,34	3,42	3,42	0,88	8,73	1164,30	1164,30	2827,90	-1663,60
129+10.00 0	912.563	912.356	5,00	0,32	3,28	3,28	0,66	7,72	1167,58	1167,58	2835,62	-1668,04
130+0.000	912.771	912.639	5,00	0,26	2,85	2,85	0,33	4,99	1170,43	1170,43	2840,61	-1670,18
130+10.00 0	913.062	913.097	5,00	1,13	6,74	6,74	0,00	1,68	1177,17	1177,17	2842,29	-1665,12
131+0.000	913.436	913.563	5,00	1,89	15,07	15,07	0,00	0,00	1192,24	1192,24	2842,29	-1650,05
131+10.00 0	913.892	914.029	5,00	2,03	19,58	19,58	0,00	0,00	1211,82	1211,82	2842,29	-1630,47
132+0.000	914.386	914.495	5,00	1,89	19,62	19,62	0,00	0,00	1231,44	1231,44	2842,29	-1610,85
132+10.00 0	914.880	914.960	5,00	1,76	18,28	18,28	0,00	0,00	1249,72	1249,72	2842,29	-1592,57
133+0.000	915.373	915.426	5,00	1,49	16,27	16,27	0,00	0,00	1266,00	1266,00	2842,29	-1576,29
133+10.00 0	915.867	915.892	5,00	0,82	11,57	11,57	0,00	0,00	1277,57	1277,57	2842,29	-1564,72
134+0.000	916.279	916.262	5,00	0,18	5,12	5,12	0,09	0,43	1282,69	1282,69	2842,72	-1560,03
134+10.00 0	916.555	916.494	5,00	0,04	1,11	1,11	0,13	1,09	1283,80	1283,80	2843,81	-1560,01
135+0.000	916.831	916.726	5,00	0,00	0,21	0,21	0,34	2,33	1284,00	1284,00	2846,14	-1562,14
135+10.00 0	917.107	916.958	5,00	0,00	0,00	0,00	0,61	4,71	1284,00	1284,00	2850,85	-1566,85
136+0.000	917.383	917.190	5,00	0,00	0,00	0,00	0,88	7,44	1284,00	1284,00	2858,29	-1574,29
136+10.00 0	917.659	917.423	5,00	0,00	0,00	0,00	1,17	10,24	1284,00	1284,00	2868,53	-1584,53
137+0.000	917.935	917.655	5,00	0,00	0,00	0,00	1,46	13,13	1284,00	1284,00	2881,66	-1597,66
137+10.00 0	918.229	917.887	5,00	0,00	0,00	0,00	1,88	16,72	1284,00	1284,00	2898,38	-1614,38
138+0.000	918.633	918.119	5,00	0,00	0,00	0,00	3,14	25,11	1284,00	1284,00	2923,49	-1639,49
138+10.00 0	919.157	918.696	5,00	0,00	0,00	0,00	2,66	28,97	1284,00	1284,00	2952,46	-1668,46
139+0.000	919.803	919.513	5,00	0,00	0,00	0,00	1,46	20,63	1284,00	1284,00	2973,09	-1689,09
139+10.00 0	920.553	920.329	5,00	0,00	0,00	0,00	1,02	12,44	1284,00	1284,00	2985,53	-1701,53
140+0.000	921.315	921.146	5,00	0,00	0,00	0,00	0,68	8,52	1284,00	1284,00	2994,05	-1710,05
140+10.00 0	922.077	921.963	5,00	0,01	0,06	0,06	0,36	5,20	1284,07	1284,07	2999,25	-1715,18
141+0.000	922.840	922.645	5,00	0,00	0,06	0,06	0,85	6,08	1284,13	1284,13	3005,33	-1721,20
141+10.00 0	923.602	923.321	5,00	0,00	0,00	0,00	1,41	11,31	1284,13	1284,13	3016,64	-1732,51
142+0.000	924.364	923.998	5,00	0,00	0,00	0,00	1,86	16,36	1284,13	1284,13	3033,00	-1748,87
142+10.00 0	925.126	924.773	5,00	0,02	0,12	0,12	1,40	16,27	1284,25	1284,25	3049,27	-1765,02
143+0.000	925.888	925.704	5,00	0,04	0,32	0,32	0,76	10,80	1284,57	1284,57	3060,07	-1775,50
143+10.00 0	926.650	926.635	5,00	0,00	0,23	0,23	0,33	5,44	1284,80	1284,80	3065,51	-1780,71
144+0.000	927.413	927.547	5,00	0,44	2,24	2,24	0,38	3,54	1287,05	1287,05	3069,05	-1782,00
144+10.00 0	928.175	928.400	5,00	0,99	7,18	7,18	0,12	2,47	1294,22	1294,22	3071,52	-1777,30
145+0.000	928.937	929.118	5,00	0,97	9,79	9,79	0,00	0,58	1304,01	1304,01	3072,10	-1768,09
145+10.00 0	929.699	929.837	5,00	0,82	8,93	8,93	0,00	0,00	1312,95	1312,95	3072,10	-1759,15
146+0.000	930.461	930.555	5,00	0,56	6,91	6,91	0,00	0,00	1319,86	1319,86	3072,10	-1752,24
146+10.00 0	931.223	931.273	5,00	0,29	4,27	4,27	0,00	0,00	1324,13	1324,13	3072,10	-1747,97
147+0.000	931.986	931.992	5,00	0,03	1,60	1,60	0,00	0,03	1325,73	1325,73	3072,13	-1746,40
147+10.00 0	932.726	932.623	5,00	0,00	0,15	0,15	0,65	3,13	1325,89	1325,89	3075,26	-1749,37
148+0.000	933.307	933.143	5,00	0,00	0,00	0,00	1,24	9,46	1325,89	1325,89	3084,72	-1758,83
148+10.00 0	933.706	933.534	5,00	0,00	0,00	0,00	2,20	17,18	1325,89	1325,89	3101,90	-1776,01
149+0.000	933.922	933.641	5,00	0,00	0,00	0,00	2,53	23,60	1325,89	1325,89	3125,50	-1799,61
149+10.00 0	933.977	933.846	5,00	0,00	0,00	0,00	1,32	19,11	1325,89	1325,89	3144,61	-1818,72
150+0.000	934.008	934.032	5,00	0,23	1,14	1,14	0,77	10,38	1327,03	1327,03	3154,99	-1827,96
150+10.00 0	934.039	934.048	5,00	0,17	2,00	2,00	0,83	8,03	1329,03	1329,03	3163,02	-1833,99
151+0.000	934.070	934.063	5,00	0,12	1,49	1,49	0,90	8,68	1330,52	1330,52	3171,70	-1841,18
151+10.00 0	934.097	934.079	5,00	0,09	1,08	1,08	1,13	10,17	1331,60	1331,60	3181,87	-1850,27
152+0.000	934.005	934.094	5,00	0,46	2,77	2,77	1,37	12,53	1334,37	1334,37	3194,40	-1860,03
152+10.00 0	933.741	933.572	5,00	0,00	2,37	2,37	3,17	21,87	1336,74	1336,74	3216,27	-1879,53
153+0.000	933.306	932.972	5,00	0,00	0,00	0,00	4,56	38,65	1336,74	1336,74	3254,92	-1918,18
153+10.00 0	932.704	932.372	5,00	0,00	0,00	0,00	4,53	45,44	1336,74	1336,74	3300,36	-1963,62
154+0.000	932.048	931.772	5,00	0,00	0,00	0,00	3,65	40,91	1336,74	1336,74	3341,27	-2004,53
154+10.00 0	931.393	931.137	5,00	0,00	0,00	0,00	3,59	36,20	1336,74	1336,74	3377,47	-2040,73
155+0.000	930.738	930.472	5,00	0,00	0,00	0,00	3,79	36,88	1336,74	1336,74	3414,35	-2077,61
155+10.00 0	930.082	929.758	5,00	0,00	0,00	0,00	4,24	40,13	1336,74	1336,74	3454,48	-2117,74


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156+0.000	929.427	929.102	5,00	0,00	0,00	0,00	4,02	41,44	1336,74	1336,74	3495,92	-2159,18
156+10.00 0	928.772	928.504	5,00	0,00	0,00	0,00	2,12	30,66	1336,74	1336,74	3526,58	-2189,84
157+0.000	928.116	927.960	5,00	0,50	2,50	2,50	0,45	12,81	1339,24	1339,24	3539,39	-2200,15
157+10.00 0	927.487	927.459	5,00	1,77	11,39	11,39	0,03	2,37	1350,62	1350,62	3541,76	-2191,14
158+0.000	927.014	927.012	5,00	2,26	20,13	20,13	0,00	0,15	1370,75	1370,75	3541,91	-2171,16
158+10.00 0	926.716	926.892	5,00	2,89	25,41	25,41	0,00	0,02	1396,16	1396,16	3541,93	-2145,77
159+0.000	926.593	926.811	5,00	2,38	26,32	26,32	0,00	0,00	1422,47	1422,47	3541,93	-2119,46
159+10.00 0	926.621	926.731	5,00	1,24	18,11	18,11	0,00	0,00	1440,58	1440,58	3541,93	-2101,35
160+0.000	926.667	926.651	5,00	0,39	8,17	8,17	0,01	0,07	1448,75	1448,75	3542,00	-2093,25
160+10.00 0	926.712	926.568	5,00	0,04	2,19	2,19	0,49	2,52	1450,94	1450,94	3544,52	-2093,58
161+0.000	926.758	926.546	5,00	0,00	0,21	0,21	0,93	7,18	1451,14	1451,14	3551,70	-2100,56
161+10.00 0	926.804	926.627	5,00	0,00	0,00	0,00	0,81	8,70	1451,14	1451,14	3560,40	-2109,26
162+0.000	926.883	926.708	5,00	0,00	0,00	0,00	0,79	8,01	1451,14	1451,14	3568,41	-2117,27
162+10.00 0	927.124	926.792	5,00	0,00	0,00	0,00	1,27	10,35	1451,14	1451,14	3578,76	-2127,62
163+0.000	927.541	927.352	5,00	0,00	0,00	0,00	0,76	10,20	1451,14	1451,14	3588,96	-2137,82
163+10.00 0	928.134	927.887	5,00	0,00	0,00	0,00	1,06	9,11	1451,14	1451,14	3598,07	-2146,93
164+0.000	928.868	928.749	5,00	0,00	0,02	0,02	0,42	7,38	1451,16	1451,16	3605,45	-2154,29
164+10.00 0	929.616	929.611	5,00	0,26	1,32	1,32	0,00	2,08	1452,48	1452,48	3607,53	-2155,05
165+0.000	930.363	930.474	5,00	1,01	6,37	6,37	0,00	0,00	1458,85	1458,85	3607,53	-2148,68
165+10.00 0	931.111	931.336	5,00	1,82	14,17	14,17	0,00	0,00	1473,03	1473,03	3607,53	-2134,50
166+0.000	931.859	932.198	5,00	2,68	22,51	22,51	0,00	0,00	1495,53	1495,53	3607,53	-2112,00
166+10.00 0	932.606	932.726	5,00	1,17	19,23	19,23	0,00	0,00	1514,77	1514,77	3607,53	-2092,76
167+0.000	933.353	933.367	5,00	0,44	8,00	8,00	0,00	0,00	1522,76	1522,76	3607,53	-2084,77
167+10.00 0	934.025	934.016	5,00	0,21	3,25	3,25	0,00	0,02	1526,02	1526,02	3607,55	-2081,53
168+0.000	934.578	934.547	5,00	0,06	1,34	1,34	0,05	0,24	1527,36	1527,36	3607,79	-2080,43
168+10.00 0	935.011	934.954	5,00	0,02	0,36	0,36	0,15	0,97	1527,72	1527,72	3608,76	-2081,04
169+0.000	935.324	935.244	5,00	0,01	0,14	0,14	0,20	1,72	1527,86	1527,86	3610,48	-2082,62
169+10.00 0	935.592	935.525	5,00	0,03	0,22	0,22	0,14	1,67	1528,08	1528,08	3612,15	-2084,07
170+0.000	935.860	935.801	5,00	0,05	0,42	0,42	0,11	1,23	1528,49	1528,49	3613,38	-2084,89
170+10.00 0	936.127	936.056	5,00	0,02	0,37	0,37	0,16	1,33	1528,86	1528,86	3614,71	-2085,85
171+0.000	936.332	936.309	5,00	0,17	0,96	0,96	0,02	0,88	1529,82	1529,82	3615,59	-2085,77
171+10.00 0	936.352	936.562	5,00	1,09	6,29	6,29	0,16	0,89	1536,11	1536,11	3616,48	-2080,37
172+0.000	936.184	936.023	5,00	0,00	5,44	5,44	0,75	4,57	1541,55	1541,55	3621,05	-2079,50
172+10.00 0	935.828	935.591	5,00	0,00	0,00	0,00	1,51	11,32	1541,55	1541,55	3632,37	-2090,82
173+0.000	935.347	935.304	5,00	0,08	0,40	0,40	0,35	9,26	1541,95	1541,95	3641,63	-2099,68
173+2.20	935.241	935.241	1,10	0,49	0,63	0,63	0,17	0,57	1542,58	1542,58	3642,20	-2099,62


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Relatório de Volumes

RAMAL SITIO BANANEIRA A SITIO LIMOEIRO DOS SOARES

Estaca Inicial: 24+10

Estaca Final: 146+4,67

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
24+10.000	897.467	897.353	5,00	0,01	0,08	0,08	0,34	5,55	95,03	95,03	0,00	0,00
25+0.000	897.819	897.739	5,00	0,01	0,08	0,08	3,40	55,50	95,03	95,03	55,50	39,53
25+10.000	898.228	898.052	5,00	0,00	0,07	0,07	0,85	5,96	95,10	95,10	61,46	33,64
26+0.000	898.692	898.503	5,00	0,00	0,00	0,00	1,14	9,93	95,10	95,10	71,39	23,71
26+10.000	899.178	898.911	5,00	0,00	0,00	0,00	1,21	11,78	95,10	95,10	83,17	11,93
27+0.000	899.664	899.460	5,00	0,00	0,00	0,00	1,02	11,17	95,10	95,10	94,34	0,76
27+10.000	900.150	900.010	5,00	0,01	0,05	0,05	0,73	8,75	95,15	95,15	103,09	-7,94
28+0.000	900.636	900.559	5,00	0,09	0,49	0,49	0,40	5,64	95,64	95,64	108,73	-13,09
28+10.000	901.122	901.109	5,00	0,23	1,62	1,62	0,14	2,72	97,26	97,26	111,45	-14,19
29+0.000	901.608	901.622	5,00	0,25	2,47	2,47	0,02	0,83	99,73	99,73	112,28	-12,55
29+10.000	902.093	902.087	5,00	0,09	1,72	1,72	0,02	0,23	101,45	101,45	112,51	-11,06
30+0.000	902.579	902.503	5,00	0,02	0,53	0,53	0,29	1,57	101,98	101,98	114,08	-12,10
30+10.000	903.065	902.951	5,00	0,07	0,46	0,46	0,41	3,48	102,43	102,43	117,56	-15,13
31+0.000	903.551	903.488	5,00	0,16	1,15	1,15	0,18	2,94	103,59	103,59	120,50	-16,91
31+10.000	904.026	904.024	5,00	0,21	1,85	1,85	0,00	0,91	105,43	105,43	121,41	-15,98
32+0.000	904.473	904.502	5,00	0,20	2,09	2,09	0,19	0,92	107,52	107,52	122,33	-14,81
32+10.000	904.890	904.756	5,00	0,00	1,02	1,02	1,26	7,25	108,54	108,54	129,58	-21,04
33+0.000	905.278	904.981	5,00	0,00	0,00	0,00	2,15	17,15	108,54	108,54	146,73	-38,19
33+10.000	905.647	905.215	5,00	0,00	0,00	0,00	2,61	23,85	108,54	108,54	170,58	-62,04
34+0.000	906.016	905.582	5,00	0,00	0,00	0,00	2,47	25,40	108,54	108,54	195,98	-87,44
34+10.000	906.385	905.937	5,00	0,00	0,00	0,00	2,40	24,33	108,54	108,54	220,31	-111,77
35+0.000	906.754	906.290	5,00	0,00	0,00	0,00	2,40	23,97	108,54	108,54	244,28	-135,74
35+10.000	907.123	906.686	5,00	0,00	0,00	0,00	2,20	22,98	108,54	108,54	267,26	-158,72
36+0.000	907.492	907.156	5,00	0,00	0,00	0,00	1,66	19,39	108,54	108,54	286,65	-178,11
36+10.000	907.861	907.683	5,00	0,00	0,00	0,00	0,87	12,67	108,54	108,54	299,32	-190,78
37+0.000	908.230	908.120	5,00	0,00	0,02	0,02	0,42	6,43	108,56	108,56	305,75	-197,19
37+10.000	908.599	908.557	5,00	0,04	0,22	0,22	0,08	2,51	108,78	108,78	308,26	-199,48
38+0.000	908.968	908.993	5,00	0,25	1,47	1,47	0,00	0,42	110,24	110,24	308,68	-198,44
38+10.000	909.336	909.572	5,00	1,16	7,06	7,06	0,00	0,00	117,31	117,31	308,68	-191,37
39+0.000	909.705	910.071	5,00	2,07	16,19	16,19	0,00	0,00	133,50	133,50	308,68	-175,18
39+10.000	910.074	910.442	5,00	2,44	22,53	22,53	0,00	0,00	156,03	156,03	308,68	-152,65
40+0.000	910.443	910.664	5,00	1,87	21,52	21,52	0,00	0,00	177,55	177,55	308,68	-131,13
40+10.000	910.804	910.863	5,00	0,73	12,99	12,99	0,00	0,00	190,55	190,55	308,68	-118,13
41+0.000	911.136	911.039	5,00	0,06	3,99	3,99	0,23	1,15	194,54	194,54	309,83	-115,29
41+10.000	911.437	911.184	5,00	0,00	0,35	0,35	0,93	5,81	194,88	194,88	315,64	-120,76
42+0.000	911.706	911.376	5,00	0,00	0,03	0,03	1,53	12,29	194,91	194,91	327,93	-133,02
42+10.000	911.954	911.603	5,00	0,00	0,00	0,00	1,87	17,00	194,91	194,91	344,93	-150,02
43+0.000	912.199	911.885	5,00	0,00	0,00	0,00	1,83	18,47	194,91	194,91	363,40	-168,49
43+10.000	912.445	912.160	5,00	0,00	0,00	0,00	1,70	17,61	194,91	194,91	381,01	-186,10
44+0.000	912.691	912.428	5,00	0,00	0,00	0,00	1,52	16,09	194,91	194,91	397,10	-202,19
44+10.000	912.937	912.684	5,00	0,00	0,00	0,00	1,45	14,84	194,91	194,91	411,94	-217,03
45+0.000	913.183	912.982	5,00	0,00	0,00	0,00	1,23	13,36	194,91	194,91	425,30	-230,39
45+10.000	913.429	913.279	5,00	0,00	0,00	0,00	0,95	10,86	194,91	194,91	436,16	-241,25
46+0.000	913.675	913.500	5,00	0,00	0,00	0,00	1,05	10,00	194,91	194,91	446,16	-251,25
46+10.000	913.921	913.703	5,00	0,00	0,00	0,00	1,26	11,50	194,91	194,91	457,66	-262,75
47+0.000	914.167	913.899	5,00	0,00	0,00	0,00	1,50	13,79	194,91	194,91	471,45	-276,54
47+10.000	914.413	914.121	5,00	0,00	0,00	0,00	1,47	14,88	194,91	194,91	486,33	-291,42
48+0.000	914.658	914.357	5,00	0,01	0,07	0,07	1,15	13,10	194,98	194,98	499,43	-304,45
48+10.000	914.904	914.606	5,00	0,18	0,98	0,98	0,95	10,53	195,97	195,97	509,96	-313,99
49+0.000	915.150	915.100	5,00	0,54	3,57	3,57	0,06	5,10	199,54	199,54	515,06	-315,52
49+10.000	915.396	915.561	5,00	1,39	9,72	9,72	0,00	0,28	209,25	209,25	515,34	-306,09
50+0.000	915.642	915.804	5,00	1,38	13,85	13,85	0,00	0,00	223,11	223,11	515,34	-292,23
50+10.000	915.888	916.047	5,00	1,36	13,75	13,75	0,00	0,00	236,86	236,86	515,34	-278,48
51+0.000	916.134	916.290	5,00	1,34	13,55	13,55	0,00	0,00	250,40	250,40	515,34	-264,94
51+10.000	916.380	916.533	5,00	1,32	13,34	13,34	0,00	0,00	263,74	263,74	515,34	-251,60
52+0.000	916.626	916.776	5,00	1,30	13,14	13,14	0,00	0,00	276,88	276,88	515,34	-238,46
52+10.000	916.871	917.019	5,00	1,28	12,94	12,94	0,00	0,00	289,82	289,82	515,34	-225,52
53+0.000	917.117	917.262	5,00	1,26	12,74	12,74	0,00	0,00	302,56	302,56	515,34	-212,78
53+10.000	917.363	917.505	5,00	1,24	12,54	12,54	0,00	0,00	315,09	315,09	515,34	-200,25
54+0.000	917.609	917.748	5,00	1,22	12,33	12,33	0,00	0,00	327,43	327,43	515,34	-187,91


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54+10.000	917.851	917.991	5,00	1,23	12,27	12,27	0,00	0,00	339,70	339,70	515,34	-175,64
55+0.000	918.069	918.124	5,00	0,87	10,57	10,57	0,00	0,00	350,27	350,27	515,34	-165,07
55+10.000	918.260	918.146	5,00	0,07	4,67	4,67	0,30	1,49	354,94	354,94	516,83	-161,89
56+0.000	918.424	918.238	5,00	0,00	0,34	0,34	0,76	5,30	355,28	355,28	522,13	-166,85
56+10.000	918.565	918.334	5,00	0,00	0,00	0,00	1,16	9,59	355,28	355,28	531,72	-176,44
57+0.000	918.704	918.385	5,00	0,00	0,00	0,00	1,67	14,13	355,28	355,28	545,85	-190,57
57+10.000	918.842	918.435	5,00	0,00	0,00	0,00	2,20	19,34	355,28	355,28	565,19	-209,91
58+0.000	918.980	918.596	5,00	0,00	0,00	0,00	2,17	21,84	355,28	355,28	587,03	-231,75
58+10.000	919.118	918.758	5,00	0,00	0,00	0,00	2,08	21,20	355,28	355,28	608,23	-252,95
59+0.000	919.256	918.919	5,00	0,00	0,00	0,00	1,96	20,19	355,28	355,28	628,42	-273,14
59+10.000	919.395	919.081	5,00	0,00	0,00	0,00	1,83	18,94	355,28	355,28	647,36	-292,08
60+0.000	919.533	919.242	5,00	0,00	0,00	0,00	1,69	17,57	355,28	355,28	664,93	-309,65
60+10.000	919.671	919.404	5,00	0,00	0,00	0,00	1,54	16,16	355,28	355,28	681,09	-325,81
61+0.000	919.809	919.562	5,00	0,00	0,00	0,00	1,41	14,76	355,28	355,28	695,85	-340,57
61+10.000	919.947	919.692	5,00	0,00	0,00	0,00	1,43	14,20	355,28	355,28	710,05	-354,77
62+0.000	920.085	919.811	5,00	0,00	0,00	0,00	1,46	14,43	355,28	355,28	724,48	-369,20
62+10.000	920.224	919.932	5,00	0,00	0,00	0,00	1,44	14,48	355,28	355,28	738,96	-383,68
63+0.000	920.362	920.065	5,00	0,00	0,00	0,00	1,39	14,18	355,28	355,28	753,14	-397,86
63+10.000	920.500	920.254	5,00	0,00	0,00	0,00	1,12	12,57	355,28	355,28	765,71	-410,43
64+0.000	920.638	920.447	5,00	0,00	0,00	0,00	0,79	9,58	355,28	355,28	775,29	-420,01
64+10.000	920.776	920.627	5,00	0,01	0,06	0,06	0,49	6,38	355,34	355,34	781,67	-426,33
65+0.000	920.915	920.782	5,00	0,07	0,42	0,42	0,36	4,28	355,76	355,76	785,95	-430,19
65+10.000	921.053	921.074	5,00	0,33	2,02	2,02	0,03	1,97	357,79	357,79	787,92	-430,13
66+0.000	921.191	921.264	5,00	0,68	5,05	5,05	0,00	0,17	362,84	362,84	788,09	-425,25
66+10.000	921.329	921.353	5,00	0,75	7,17	7,17	0,00	0,02	370,01	370,01	788,11	-418,10
67+0.000	921.467	921.688	5,00	1,76	12,55	12,55	0,00	0,00	382,56	382,56	788,11	-405,55
67+10.000	921.612	921.911	5,00	2,39	20,77	20,77	0,00	0,00	403,33	403,33	788,11	-384,78
68+0.000	921.776	922.086	5,00	2,68	25,37	25,37	0,00	0,00	428,70	428,70	788,11	-359,41
68+10.000	921.960	922.388	5,00	3,53	31,04	31,04	0,00	0,00	459,73	459,73	788,11	-328,38
69+0.000	922.163	922.582	5,00	3,53	35,32	35,32	0,00	0,00	495,06	495,06	788,11	-293,05
69+10.000	922.380	922.745	5,00	3,13	33,26	33,26	0,00	0,00	528,31	528,31	788,11	-259,80
70+0.000	922.596	922.953	5,00	2,97	30,47	30,47	0,00	0,00	558,79	558,79	788,11	-229,32
70+10.000	922.813	923.179	5,00	3,19	30,80	30,80	0,00	0,00	589,59	589,59	788,11	-198,52
71+0.000	923.029	923.347	5,00	2,84	30,15	30,15	0,00	0,00	619,73	619,73	788,11	-168,38
71+10.000	923.245	923.518	5,00	2,43	26,34	26,34	0,00	0,00	646,08	646,08	788,11	-142,03
72+0.000	923.462	923.684	5,00	2,05	22,37	22,37	0,00	0,00	668,44	668,44	788,11	-119,67
72+10.000	923.678	923.858	5,00	1,68	18,65	18,65	0,00	0,00	687,09	687,09	788,11	-101,02
73+0.000	923.895	924.051	5,00	1,47	15,77	15,77	0,00	0,00	702,85	702,85	788,11	-85,26
73+10.000	924.111	924.247	5,00	1,34	14,03	14,03	0,00	0,00	716,89	716,89	788,11	-71,22
74+0.000	924.328	924.412	5,00	1,02	11,78	11,78	0,00	0,00	728,67	728,67	788,11	-59,44
74+10.000	924.544	924.598	5,00	0,81	9,19	9,19	0,00	0,00	737,86	737,86	788,11	-50,25
75+0.000	924.761	924.751	5,00	0,70	7,48	7,48	0,00	0,01	745,34	745,34	788,12	-42,78
75+10.000	925.014	925.102	5,00	0,95	8,22	8,22	0,00	0,01	753,56	753,56	788,13	-34,57
76+0.000	925.322	925.376	5,00	1,05	10,08	10,08	0,00	0,00	763,65	763,65	788,13	-24,48
76+10.000	925.687	925.750	5,00	1,11	10,88	10,88	0,00	0,00	774,53	774,53	788,13	-13,60
77+0.000	926.106	926.214	5,00	1,05	10,76	10,76	0,00	0,00	785,29	785,29	788,13	-2,84
77+10.000	926.546	926.656	5,00	1,24	11,47	11,47	0,00	0,00	796,76	796,76	788,13	8,63
78+0.000	926.985	927.112	5,00	1,36	12,98	12,98	0,00	0,00	809,73	809,73	788,13	21,60
78+10.000	927.425	927.592	5,00	1,67	15,12	15,12	0,00	0,00	824,85	824,85	788,13	36,72
79+0.000	927.864	928.106	5,00	2,15	19,12	19,12	0,00	0,00	843,97	843,97	788,13	55,84
79+10.000	928.304	928.631	5,00	2,61	23,88	23,88	0,00	0,00	867,85	867,85	788,13	79,72
80+0.000	928.744	929.041	5,00	2,53	25,98	25,98	0,00	0,00	893,83	893,83	788,13	105,70
80+10.000	929.183	929.473	5,00	2,21	23,81	23,81	0,00	0,00	917,64	917,64	788,13	129,51
81+0.000	929.623	929.906	5,00	1,93	20,71	20,71	0,00	0,00	938,35	938,35	788,13	150,22
81+10.000	930.045	930.174	5,00	0,91	14,21	14,21	0,00	0,00	952,55	952,55	788,13	164,42
82+0.000	930.417	930.407	5,00	0,07	4,94	4,94	0,04	0,19	957,49	957,49	788,32	169,17
82+10.000	930.740	930.639	5,00	0,00	0,37	0,37	0,51	2,76	957,85	957,85	791,08	166,77
83+0.000	931.013	930.872	5,00	0,00	0,00	0,00	0,76	6,37	957,85	957,85	797,45	160,40
83+10.000	931.253	931.105	5,00	0,00	0,00	0,00	0,81	7,83	957,85	957,85	805,28	152,57
84+0.000	931.493	931.338	5,00	0,00	0,00	0,00	0,85	8,28	957,85	957,85	813,56	144,29
84+10.000	931.733	931.571	5,00	0,00	0,00	0,00	0,89	8,72	957,85	957,85	822,28	135,57
85+0.000	931.973	931.804	5,00	0,00	0,00	0,00	0,94	9,17	957,85	957,85	831,45	126,40
85+10.000	932.213	932.036	5,00	0,00	0,00	0,00	0,99	9,63	957,85	957,85	841,08	116,77
86+0.000	932.453	932.269	5,00	0,00	0,00	0,00	1,03	10,11	957,85	957,85	851,19	106,66
86+10.000	932.693	932.502	5,00	0,00	0,00	0,00	1,08	10,59	957,85	957,85	861,78	96,07
87+0.000	932.933	932.735	5,00	0,00	0,00	0,00	1,13	11,09	957,85	957,85	872,87	84,98
87+10.000	933.173	932.968	5,00	0,00	0,00	0,00	1,19	11,60	957,85	957,85	884,47	73,38
88+0.000	933.413	933.139	5,00	0,00	0,00	0,00	1,36	12,71	957,85	957,85	897,18	60,67
88+10.000	933.653	933.446	5,00	0,00	0,00	0,00	0,96	11,53	957,85	957,85	908,71	49,14
89+0.000	933.893	933.732	5,00	0,00	0,00	0,00	0,66	8,13	957,85	957,85	916,84	41,01
89+10.000	934.133	934.018	5,00	0,01	0,07	0,07	0,39	5,26	957,92	957,92	922,10	35,82
90+0.000	934.373	934.304	5,00	0,06	0,35	0,35	0,16	2,73	958,27	958,27	924,83	33,44
90+10.000	934.602	934.589	5,00	0,23	1,44	1,44	0,00	0,82	959,71	959,71	925,65	34,06
91+0.000	934.806	934.900	5,00	0,61	4,20	4,20	0,00	0,03	963,91	963,91	925,68	38,23
91+10.000	934.986	935.209	5,00	1,28	9,58	9,58	0,00	0,00	973,49	973,49	925,68	47,81
92+0.000	935.142	935.219	5,00	0,17	7,28	7,28	0,02	0,09	980,77	980,77	925,77	55,00
92+10.000	935.224	935.000	5,00	0,00	0,84	0,84	1,42	7,23	981,60	981,60	933,00	48,60


 JOTA BATROS PROJETO
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93+0.000	935.243	934.573	5,00	0,00	0,00	0,00	0,00	4,36	29,07	981,60	981,60	962,07	19,53
93+10.000	935.261	934.364	5,00	0,00	0,00	0,00	0,00	6,58	55,09	981,60	981,60	1017,16	-35,56
94+0.000	935.280	934.204	5,00	0,00	0,00	0,00	0,00	8,57	76,99	981,60	981,60	1094,15	-112,55
94+10.000	935.299	934.098	5,00	0,00	0,00	0,00	0,00	9,88	92,25	981,60	981,60	1186,40	-204,80
95+0.000	935.318	933.997	5,00	0,00	0,00	0,00	0,00	10,27	100,58	981,60	981,60	1286,98	-305,38
95+10.000	935.336	934.015	5,00	0,00	0,00	0,00	0,00	10,47	103,71	981,60	981,60	1390,69	-409,09
96+0.000	935.355	934.008	5,00	0,00	0,00	0,00	0,00	10,86	106,66	981,60	981,60	1497,35	-515,75
96+10.000	935.372	933.974	5,00	0,00	0,00	0,00	0,00	10,98	109,21	981,60	981,60	1606,56	-624,96
97+0.000	935.390	934.031	5,00	0,00	0,00	0,00	0,00	11,04	110,28	981,60	981,60	1716,84	-735,24
97+10.000	935.406	934.056	5,00	0,00	0,00	0,00	0,00	11,42	112,48	981,60	981,60	1829,32	-847,72
98+0.000	935.422	934.021	5,00	0,00	0,00	0,00	0,00	11,03	112,23	981,60	981,60	1941,55	-959,95
98+10.000	935.438	934.018	5,00	0,00	0,00	0,00	0,00	9,82	104,54	981,60	981,60	2046,09	-1064,49
99+0.000	935.454	934.248	5,00	0,00	0,00	0,00	0,00	8,34	90,79	981,60	981,60	2136,88	-1155,28
99+10.000	935.470	934.434	5,00	0,00	0,00	0,00	0,00	7,07	77,18	981,60	981,60	2214,06	-1232,46
100+0.000	935.486	934.585	5,00	0,00	0,00	0,00	0,00	5,92	64,83	981,60	981,60	2278,89	-1297,29
100+10.000	935.502	934.700	5,00	0,00	0,00	0,00	0,00	4,94	54,27	981,60	981,60	2333,16	-1351,56
101+0.000	935.518	934.861	5,00	0,00	0,00	0,00	0,00	3,94	44,34	981,60	981,60	2377,50	-1395,90
101+10.000	935.534	935.078	5,00	0,00	0,00	0,00	0,00	2,82	33,80	981,60	981,60	2411,30	-1429,70
102+0.000	935.550	935.217	5,00	0,00	0,00	0,00	0,00	1,58	22,02	981,60	981,60	2433,32	-1451,72
102+10.000	935.571	935.334	5,00	0,02	0,08	0,08	0,08	0,64	11,09	981,68	981,68	2444,41	-1462,73
103+0.000	935.639	935.427	5,00	0,19	1,05	1,05	1,05	0,37	5,05	982,73	982,73	2449,46	-1466,73
103+10.000	935.760	935.668	5,00	0,35	2,75	2,75	2,75	0,16	2,67	985,48	985,48	2452,13	-1466,65
104+0.000	935.937	935.928	5,00	0,53	4,40	4,40	4,40	0,04	1,01	989,88	989,88	2453,14	-1463,26
104+10.000	936.163	936.188	5,00	0,53	5,28	5,28	5,28	0,02	0,28	995,16	995,16	2453,42	-1458,26
105+0.000	936.398	936.448	5,00	0,59	5,60	5,60	5,60	0,00	0,12	1000,76	1000,76	2453,54	-1452,78
105+10.000	936.632	936.678	5,00	0,70	6,48	6,48	6,48	0,00	0,04	1007,24	1007,24	2453,58	-1446,34
106+0.000	936.867	936.882	5,00	0,60	6,54	6,54	6,54	0,00	0,00	1013,78	1013,78	2453,58	-1439,80
106+10.000	937.102	937.085	5,00	0,43	5,16	5,16	5,16	0,00	0,04	1018,94	1018,94	2453,62	-1434,68
107+0.000	937.337	937.289	5,00	0,28	3,56	3,56	3,56	0,07	0,37	1022,50	1022,50	2453,99	-1431,49
107+10.000	937.571	937.493	5,00	0,19	2,39	2,39	2,39	0,18	1,20	1024,90	1024,90	2455,19	-1430,29
108+0.000	937.820	937.697	5,00	0,10	1,48	1,48	1,48	0,37	2,73	1026,38	1026,38	2457,92	-1431,54
108+10.000	938.136	938.045	5,00	0,03	0,65	0,65	0,65	0,28	3,29	1027,03	1027,03	2461,21	-1434,18
109+0.000	938.523	938.483	5,00	0,08	0,56	0,56	0,56	0,06	1,75	1027,59	1027,59	2462,96	-1435,37
109+10.000	938.982	938.901	5,00	0,03	0,53	0,53	0,53	0,19	1,28	1028,12	1028,12	2464,24	-1436,12
110+0.000	939.498	939.359	5,00	0,00	0,14	0,14	0,14	0,47	3,30	1028,26	1028,26	2467,54	-1439,28
110+10.000	940.020	939.837	5,00	0,00	0,01	0,01	0,01	0,77	6,18	1028,27	1028,27	2473,72	-1445,45
111+0.000	940.542	940.298	5,00	0,00	0,00	0,00	0,00	1,17	9,68	1028,27	1028,27	2483,40	-1455,13
111+10.000	941.064	940.773	5,00	0,00	0,00	0,00	0,00	1,54	13,50	1028,27	1028,27	2496,90	-1468,63
112+0.000	941.585	941.262	5,00	0,00	0,00	0,00	0,00	1,69	16,16	1028,27	1028,27	2513,06	-1484,79
112+10.000	942.107	941.875	5,00	0,00	0,00	0,00	0,00	1,45	15,72	1028,27	1028,27	2528,78	-1500,51
113+0.000	942.619	942.498	5,00	0,00	0,00	0,00	0,00	0,80	11,21	1028,27	1028,27	2539,99	-1511,72
113+10.000	943.054	943.181	5,00	0,61	3,07	3,07	3,07	0,00	3,99	1031,34	1031,34	2543,98	-1512,64
114+0.000	943.400	943.440	5,00	0,32	5,03	5,03	5,03	0,29	1,26	1036,37	1036,37	2545,24	-1508,87
114+10.000	943.655	943.621	5,00	0,09	2,06	2,06	2,06	0,50	3,95	1038,43	1038,43	2549,19	-1510,76
115+0.000	943.832	943.801	5,00	0,13	1,11	1,11	1,11	0,39	4,46	1039,54	1039,54	2553,65	-1514,11
115+10.000	943.996	944.027	5,00	0,28	2,09	2,09	2,09	0,07	2,30	1041,63	1041,63	2555,95	-1514,32
116+0.000	944.159	944.202	5,00	0,25	2,65	2,65	2,65	0,07	0,69	1044,27	1044,27	2556,64	-1512,37
116+10.000	944.323	944.331	5,00	0,05	1,48	1,48	1,48	0,45	2,67	1045,75	1045,75	2559,31	-1513,56
117+0.000	944.487	944.412	5,00	0,00	0,23	0,23	0,23	0,85	6,51	1045,98	1045,98	2565,82	-1519,84
117+10.000	944.651	944.563	5,00	0,00	0,00	0,00	0,00	0,82	8,43	1045,99	1045,99	2574,25	-1528,26
118+0.000	944.814	944.736	5,00	0,03	0,15	0,15	0,15	0,62	7,16	1046,14	1046,14	2581,41	-1535,27
118+10.000	944.978	944.937	5,00	0,06	0,45	0,45	0,45	0,47	5,45	1046,59	1046,59	2586,86	-1540,27
119+0.000	945.142	945.118	5,00	0,07	0,65	0,65	0,65	0,34	4,06	1047,23	1047,23	2590,92	-1543,69
119+10.000	945.306	945.284	5,00	0,03	0,51	0,51	0,51	0,10	2,22	1047,74	1047,74	2593,14	-1545,40
120+0.000	945.469	945.425	5,00	0,00	0,19	0,19	0,19	0,15	1,25	1047,93	1047,93	2594,39	-1546,46
120+10.000	945.633	945.566	5,00	0,00	0,03	0,03	0,03	0,28	2,17	1047,96	1047,96	2596,56	-1548,60
121+0.000	945.797	945.707	5,00	0,00	0,00	0,00	0,00	0,42	3,52	1047,96	1047,96	2600,08	-1552,12
121+10.000	945.961	945.848	5,00	0,00	0,00	0,00	0,00	0,56	4,93	1047,96	1047,96	2605,01	-1557,05
122+0.000	946.124	945.989	5,00	0,00	0,00	0,00	0,00	0,71	6,37	1047,96	1047,96	2611,38	-1563,42
122+10.000	946.288	946.130	5,00	0,00	0,00	0,00	0,00	0,86	7,82	1047,96	1047,96	2619,20	-1571,24
123+0.000	946.452	946.271	5,00	0,00	0,00	0,00	0,00	1,00	9,30	1047,96	1047,96	2628,50	-1580,54

123+10.00 0	946.616	946.412	5,00	0,00	0,00	0,00	1,16	10,80	1047,96	1047,96	2639,30	-1591,34
124+0.000	946.779	946.553	5,00	0,00	0,00	0,00	1,31	12,32	1047,96	1047,96	2651,62	-1603,66
124+10.00 0	946.943	946.694	5,00	0,00	0,00	0,00	1,46	13,86	1047,96	1047,96	2665,48	-1617,52
125+0.000	947.107	946.835	5,00	0,00	0,00	0,00	1,62	15,43	1047,96	1047,96	2680,91	-1632,95
125+10.00 0	947.271	946.913	5,00	0,00	0,00	0,00	2,22	19,21	1047,96	1047,96	2700,12	-1652,16
126+0.000	947.434	947.071	5,00	0,00	0,00	0,00	2,24	22,31	1047,96	1047,96	2722,43	-1674,47
126+10.00 0	947.598	947.128	5,00	0,00	0,00	0,00	2,94	25,90	1047,96	1047,96	2748,33	-1700,37
127+0.000	947.762	947.186	5,00	0,00	0,00	0,00	3,78	33,60	1047,96	1047,96	2781,93	-1733,97
127+10.00 0	947.926	947.267	5,00	0,00	0,00	0,00	4,60	41,89	1047,96	1047,96	2823,82	-1775,86
128+0.000	948.089	947.423	5,00	0,00	0,00	0,00	4,74	46,70	1047,96	1047,96	2870,52	-1822,56
128+10.00 0	948.253	947.589	5,00	0,00	0,00	0,00	4,77	47,50	1047,96	1047,96	2918,02	-1870,06
129+0.000	948.417	947.789	5,00	0,00	0,00	0,00	4,65	47,12	1047,96	1047,96	2965,14	-1917,18
129+10.00 0	948.581	948.118	5,00	0,00	0,00	0,00	3,53	40,90	1047,96	1047,96	3006,04	-1958,08
130+0.000	948.744	948.449	5,00	0,00	0,00	0,00	2,22	28,77	1047,96	1047,96	3034,81	-1986,85
130+10.00 0	948.908	948.781	5,00	0,00	0,00	0,00	1,04	16,32	1047,96	1047,96	3051,13	-2003,17
131+0.000	949.072	949.113	5,00	0,17	0,87	0,87	0,10	5,72	1048,83	1048,83	3056,85	-2008,02
131+10.00 0	949.218	949.268	5,00	0,32	2,62	2,62	0,12	1,03	1051,46	1051,46	3057,88	-2006,42
132+0.000	949.309	949.305	5,00	0,14	2,36	2,36	0,36	2,36	1053,82	1053,82	3060,24	-2006,42
132+10.00 0	949.345	949.177	5,00	0,00	0,69	0,69	1,27	8,17	1054,50	1054,50	3068,41	-2013,91
133+0.000	949.325	949.060	5,00	0,00	0,00	0,00	1,84	15,48	1054,50	1054,50	3083,89	-2029,39
133+10.00 0	949.268	948.959	5,00	0,00	0,00	0,00	1,80	18,19	1054,50	1054,50	3102,08	-2047,58
134+0.000	949.209	949.007	5,00	0,00	0,00	0,00	1,17	14,87	1054,50	1054,50	3116,95	-2062,45
134+10.00 0	949.151	949.080	5,00	0,00	0,02	0,02	0,52	8,47	1054,53	1054,53	3125,42	-2070,89
135+0.000	949.093	949.174	5,00	0,47	2,37	2,37	0,05	2,87	1056,89	1056,89	3128,29	-2071,40
135+10.00 0	949.034	949.066	5,00	0,36	4,15	4,15	0,00	0,27	1061,05	1061,05	3128,56	-2067,51
136+0.000	948.968	948.957	5,00	0,11	2,36	2,36	0,06	0,27	1063,41	1063,41	3128,83	-2065,42
136+10.00 0	948.877	948.848	5,00	0,06	0,84	0,84	0,19	1,24	1064,25	1064,25	3130,07	-2065,82
137+0.000	948.761	948.738	5,00	0,08	0,69	0,69	0,17	1,82	1064,94	1064,94	3131,89	-2066,95
137+10.00 0	948.619	948.527	5,00	0,00	0,40	0,40	0,48	3,21	1065,34	1065,34	3135,10	-2069,76
138+0.000	948.460	948.276	5,00	0,00	0,00	0,00	1,04	7,60	1065,34	1065,34	3142,70	-2077,36
138+10.00 0	948.300	948.010	5,00	0,00	0,00	0,00	1,73	13,86	1065,34	1065,34	3156,56	-2091,22
139+0.000	948.141	947.780	5,00	0,00	0,00	0,00	2,16	19,45	1065,34	1065,34	3176,01	-2110,67
139+10.00 0	947.981	947.574	5,00	0,00	0,00	0,00	2,54	23,52	1065,34	1065,34	3199,53	-2134,19
140+0.000	947.822	947.378	5,00	0,00	0,00	0,00	2,88	27,14	1065,34	1065,34	3226,67	-2161,33
140+10.00 0	947.662	947.204	5,00	0,00	0,00	0,00	2,97	29,27	1065,34	1065,34	3255,94	-2190,60
141+0.000	947.503	947.049	5,00	0,00	0,00	0,00	2,94	29,55	1065,34	1065,34	3285,49	-2220,15
141+10.00 0	947.343	946.895	5,00	0,00	0,00	0,00	2,90	29,20	1065,34	1065,34	3314,69	-2249,35
142+0.000	947.184	946.757	5,00	0,00	0,00	0,00	2,68	27,87	1065,34	1065,34	3342,56	-2277,22
142+10.00 0	947.024	946.640	5,00	0,00	0,00	0,00	2,33	25,04	1065,34	1065,34	3367,60	-2302,26
143+0.000	946.865	946.516	5,00	0,00	0,00	0,00	1,94	21,35	1065,34	1065,34	3388,95	-2323,61
143+10.00 0	946.705	946.397	5,00	0,00	0,00	0,00	1,61	17,75	1065,34	1065,34	3406,70	-2341,36
144+0.000	946.545	946.292	5,00	0,00	0,00	0,00	1,23	14,21	1065,34	1065,34	3420,91	-2355,57
144+10.00 0	946.386	946.159	5,00	0,00	0,00	0,00	0,80	10,15	1065,34	1065,34	3431,06	-2365,72
145+0.000	946.226	946.026	5,00	0,02	0,08	0,08	0,67	7,36	1065,42	1065,42	3438,42	-2373,00
145+10.00 0	946.067	945.932	5,00	0,04	0,27	0,27	0,52	5,96	1065,69	1065,69	3444,38	-2378,69
146+0.000	945.907	945.864	5,00	0,12	0,81	0,81	0,10	3,04	1066,50	1066,50	3447,42	-2380,92
146+7.667	945.785	945.750	3,83	0,25	1,41	1,41	0,03	0,48	1067,90	1067,90	4410,18	-3342,27


 JOTA BARROS PROJETO
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE

Relatório de Volumes

RAMAL SITIO CORREIOS A SITIO SANTA IZABEL


Estaca Inicial: 0+0.000

Estaca Final: 122+13.020

Estaca	Corta projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	923.209	923.209	0.00	1.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	923.639	923.838	5.00	1.42	14.30	14.30	0.00	0.00	14.30	14.30	0.00	14.30
1+0.000	924.069	924.079	5.00	0.32	8.71	8.71	0.00	0.00	23.01	23.01	0.00	23.01
1+10.000	924.500	924.318	5.00	0.00	1.61	1.61	0.85	4.25	24.62	24.62	4.25	20.38
2+0.000	924.930	924.556	5.00	0.00	0.00	0.00	2.15	14.98	24.62	24.62	19.23	5.39
2+10.000	925.360	924.795	5.00	0.00	0.00	0.00	3.53	28.39	24.62	24.62	47.62	-23.00
3+0.000	925.790	925.213	5.00	0.00	0.00	0.00	3.17	33.52	24.62	24.62	81.14	-56.52
3+10.000	926.221	925.771	5.00	0.00	0.00	0.00	2.36	27.67	24.62	24.62	108.81	-84.19
4+0.000	926.651	926.261	5.00	0.00	0.00	0.00	1.95	21.57	24.62	24.62	130.39	-105.76
4+10.000	927.081	926.785	5.00	0.00	0.00	0.00	1.39	16.74	24.62	24.62	147.12	-122.50
5+0.000	927.511	927.346	5.00	0.00	0.01	0.01	0.59	9.94	24.64	24.64	157.06	-132.43
5+10.000	927.942	927.939	5.00	0.40	2.01	2.01	0.00	2.97	26.65	26.65	160.04	-133.39
6+0.000	928.372	928.530	5.00	1.52	9.59	9.59	0.00	0.00	36.24	36.24	160.04	-123.79
6+10.000	928.802	929.122	5.00	2.77	21.36	21.36	0.00	0.00	57.60	57.60	160.04	-102.43
7+0.000	929.232	929.512	5.00	2.34	25.48	25.48	0.00	0.00	83.08	83.08	160.04	-76.96
7+10.000	929.663	929.915	5.00	2.15	22.47	22.47	0.00	0.00	105.55	105.55	160.04	-54.49
8+0.000	930.109	930.364	5.00	2.17	21.58	21.58	0.00	0.00	127.13	127.13	160.04	-32.91
8+10.000	930.603	930.816	5.00	1.86	20.16	20.16	0.00	0.00	147.29	147.29	160.04	-12.75
9+0.000	931.146	931.295	5.00	1.42	16.37	16.37	0.00	0.00	163.66	163.66	160.04	3.62
9+10.000	931.738	931.845	5.00	1.12	12.69	12.69	0.00	0.00	176.35	176.35	160.04	16.31
10+0.000	932.364	932.503	5.00	1.40	12.61	12.61	0.00	0.00	188.96	188.96	160.04	28.91
10+10.000	932.991	933.223	5.00	2.13	17.68	17.68	0.00	0.00	206.64	206.64	160.04	46.60
11+0.000	933.617	934.030	5.00	3.57	28.51	28.51	0.00	0.00	235.15	235.15	160.04	75.10
11+10.000	934.244	934.716	5.00	3.97	37.64	37.64	0.00	0.00	272.79	272.79	160.04	112.75
12+0.000	934.871	935.384	5.00	4.53	42.48	42.48	0.00	0.04	315.27	315.27	160.08	155.19
12+10.000	935.498	936.179	5.00	5.70	51.15	51.15	0.48	2.43	366.42	366.42	162.51	203.91
13+0.000	936.124	936.721	5.00	4.39	50.41	50.41	0.63	5.55	416.83	416.83	168.06	248.77
13+10.000	936.751	937.143	5.00	2.75	35.66	35.66	0.75	6.94	452.49	452.49	175.00	277.49
14+0.000	937.378	937.564	5.00	1.29	20.18	20.18	0.49	6.22	472.67	472.67	181.22	291.44
14+10.000	938.005	937.985	5.00	0.28	7.83	7.83	0.38	4.35	480.49	480.49	185.58	294.92
15+0.000	938.632	938.553	5.00	0.21	2.46	2.46	0.46	3.99	482.95	482.95	189.57	293.38
15+10.000	939.258	939.200	5.00	0.30	2.56	2.56	0.30	3.80	485.52	485.52	193.37	292.15
16+0.000	939.885	939.846	5.00	0.41	3.55	3.55	0.18	2.44	489.07	489.07	195.81	293.25
16+10.000	940.512	940.489	5.00	0.54	4.78	4.78	0.02	1.02	493.84	493.84	196.83	297.01
17+0.000	941.139	941.078	5.00	0.42	4.84	4.84	0.05	0.36	498.68	498.68	197.19	301.48
17+10.000	941.765	941.668	5.00	0.25	3.35	3.35	0.14	0.96	502.03	502.03	198.16	303.87
18+0.000	942.392	942.257	5.00	0.14	1.93	1.93	0.27	2.03	503.95	503.95	200.18	303.77
18+10.000	943.019	942.877	5.00	0.14	1.41	1.41	0.30	2.85	505.36	505.36	203.03	302.33
19+0.000	943.646	943.522	5.00	0.20	1.70	1.70	0.23	2.68	507.06	507.06	205.71	301.35
19+10.000	944.272	944.157	5.00	0.08	1.44	1.44	0.25	2.43	508.50	508.50	208.15	300.35
20+0.000	944.899	944.799	5.00	0.12	1.02	1.02	0.18	2.15	509.52	509.52	210.30	299.22
20+10.000	945.526	945.449	5.00	0.20	1.61	1.61	0.10	1.37	511.12	511.12	211.67	299.46
21+0.000	946.153	946.099	5.00	0.30	2.53	2.53	0.05	0.73	513.65	513.65	212.40	301.25
21+10.000	946.779	946.750	5.00	0.43	3.65	3.65	0.01	0.31	517.30	517.30	212.71	304.60
22+0.000	947.406	947.400	5.00	0.57	4.98	4.98	0.00	0.08	522.28	522.28	212.78	309.50
22+10.000	948.033	948.050	5.00	0.73	6.49	6.49	0.00	0.00	528.78	528.78	212.78	315.99
23+0.000	948.660	948.701	5.00	0.89	8.10	8.10	0.00	0.00	536.87	536.87	212.79	324.08
23+10.000	949.244	949.351	5.00	1.36	11.26	11.26	0.00	0.02	548.13	548.13	212.81	335.32
24+0.000	949.748	949.719	5.00	0.82	10.79	10.79	0.01	0.08	558.92	558.92	212.89	346.03
24+10.000	950.173	950.013	5.00	0.24	5.28	5.28	0.40	2.05	564.19	564.19	214.94	349.25
25+0.000	950.519	950.306	5.00	0.12	1.77	1.77	0.65	5.22	565.97	565.97	220.16	345.81
25+10.000	950.827	950.600	5.00	0.08	0.96	0.96	0.72	6.84	566.93	566.93	227.00	339.93
26+0.000	951.136	950.894	5.00	0.06	0.70	0.70	0.80	7.61	567.63	567.63	234.61	333.02
26+10.000	951.444	951.188	5.00	0.03	0.47	0.47	0.88	8.40	568.09	568.09	243.01	325.08
27+0.000	951.753	951.482	5.00	0.02	0.26	0.26	1.08	9.78	568.35	568.35	252.80	315.56
27+10.000	952.113	951.777	5.00	0.16	0.92	0.92	1.77	14.12	569.27	569.27	266.92	302.35
28+0.000	952.630	952.540	5.00	0.10	1.33	1.33	0.43	10.87	570.60	570.60	277.80	292.80
28+10.000	953.306	953.370	5.00	1.11	6.04	6.04	0.01	2.22	576.63	576.63	280.01	296.62
29+0.000	954.143	954.199	5.00	1.42	12.65	12.65	0.00	0.07	589.29	589.29	280.09	309.20
29+10.000	955.087	955.028	5.00	0.82	11.21	11.21	0.05	0.27	600.50	600.50	280.36	320.14


 JOTA BARRAS PROJETOS
 Artur Moreira Torquato
 Engº Civil - CREA 539000 - CE

30+0.000	956.034	955.858	5.00	0.31	5.62	5.62	0.49	2.72	606.12	606.12	283.08	323.04
30+10.000	956.982	956.687	5.00	0.18	2.41	2.41	1.21	8.50	608.52	608.52	291.58	316.94
31+0.000	957.929	957.534	5.00	0.05	1.00	1.00	1.98	15.97	609.52	609.52	307.56	301.97
31+10.000	958.876	958.470	5.00	0.04	0.35	0.35	2.32	21.42	609.88	609.88	328.98	280.90
32+0.000	959.791	959.634	5.00	0.42	2.12	2.12	1.72	20.05	612.00	612.00	349.03	262.97
32+10.000	960.529	960.508	5.00	0.26	2.57	2.57	1.09	13.25	614.57	614.57	362.29	252.29
33+0.000	961.070	960.621	5.00	0.05	1.73	1.73	3.57	23.75	616.30	616.30	386.03	230.26
33+10.000	961.417	960.856	5.00	0.04	0.45	0.45	4.68	41.07	616.75	616.75	427.11	189.64
34+0.000	961.599	961.019	5.00	0.00	0.20	0.20	5.53	50.43	616.95	616.95	477.53	139.42
34+10.000	961.764	960.895	5.00	0.00	0.06	0.06	8.51	70.23	617.02	617.02	547.76	69.25
35+0.000	961.929	960.772	5.00	0.00	0.03	0.03	11.67	100.89	617.05	617.05	648.65	-31.60
35+10.000	962.084	960.648	5.00	0.00	0.00	0.00	14.90	132.84	617.06	617.06	781.49	-164.44
36+0.000	962.208	960.524	5.00	0.00	0.00	0.00	16.19	155.45	617.06	617.06	936.94	-319.88
36+10.000	962.300	960.527	5.00	0.00	0.00	0.00	14.76	154.75	617.06	617.06	1091.69	-474.64
37+0.000	962.359	960.708	5.00	0.00	0.00	0.00	13.85	146.46	617.06	617.06	1238.15	-621.09
37+10.000	962.395	961.259	5.00	0.00	0.00	0.00	8.36	111.02	617.07	617.07	1349.17	-732.10
38+0.000	962.491	961.810	5.00	0.00	0.01	0.01	4.31	63.36	617.09	617.09	1412.53	-795.44
38+10.000	962.773	962.362	5.00	0.00	0.03	0.03	2.35	33.32	617.11	617.11	1445.84	-828.73
39+0.000	963.247	962.913	5.00	0.00	0.04	0.04	2.24	22.93	617.15	617.15	1468.77	-851.62
39+10.000	963.912	963.465	5.00	0.02	0.10	0.10	3.07	26.54	617.25	617.25	1495.31	-878.06
40+0.000	964.717	964.387	5.00	0.01	0.14	0.14	2.37	27.19	617.39	617.39	1522.50	-905.11
40+10.000	965.619	965.366	5.00	0.02	0.14	0.14	1.55	19.59	617.53	617.53	1542.10	-924.56
41+0.000	966.637	966.399	5.00	0.28	1.46	1.46	1.33	14.43	618.99	618.99	1556.52	-937.53
41+10.000	967.771	967.577	5.00	0.36	3.12	3.12	1.16	12.64	622.11	622.11	1569.16	-947.05
42+0.000	969.011	968.804	5.00	0.23	2.84	2.84	1.75	15.08	624.95	624.95	1584.24	-959.29
42+10.000	970.268	970.224	5.00	0.72	4.74	4.74	0.80	12.74	629.69	629.69	1596.98	-967.29
43+0.000	971.336	971.313	5.00	1.82	12.54	12.54	0.72	7.53	642.24	642.24	1604.51	-962.27
43+10.000	972.123	971.967	5.00	0.89	13.58	13.58	2.25	14.86	655.82	655.82	1619.37	-963.55
44+0.000	972.628	972.316	5.00	0.17	5.17	5.17	3.18	27.07	660.99	660.99	1646.44	-985.46
44+10.000	972.856	972.563	5.00	0.11	1.39	1.39	2.57	28.79	662.38	662.38	1675.23	-1012.85
45+0.000	972.992	972.705	5.00	0.10	1.06	1.06	2.54	25.57	663.44	663.44	1700.80	-1037.36
45+10.000	973.127	972.744	5.00	0.32	2.10	2.10	2.43	24.78	665.55	665.55	1725.58	-1060.03
46+0.000	973.262	972.802	5.00	0.53	4.24	4.24	2.51	24.70	669.78	669.78	1750.28	-1080.50
46+10.000	973.397	972.962	5.00	0.14	3.33	3.33	2.40	24.56	673.12	673.12	1774.84	-1101.72
47+0.000	973.532	973.145	5.00	0.23	1.84	1.84	2.06	22.27	674.95	674.95	1797.10	-1122.15
47+10.000	973.667	973.353	5.00	0.27	2.44	2.44	1.56	18.20	677.40	677.40	1815.30	-1137.91
48+0.000	973.820	973.655	5.00	0.58	4.23	4.23	0.84	12.03	681.63	681.63	1827.34	-1145.71
48+10.000	974.081	973.969	5.00	0.69	6.35	6.35	0.62	7.33	687.98	687.98	1834.67	-1146.69
49+0.000	974.463	974.292	5.00	0.48	5.84	5.84	0.88	7.56	693.82	693.82	1842.23	-1148.41
49+10.000	974.967	974.686	5.00	0.18	3.33	3.33	1.64	12.63	697.15	697.15	1854.85	-1157.70
50+0.000	975.576	975.170	5.00	0.17	1.76	1.76	1.54	15.89	698.91	698.91	1870.74	-1171.83
50+10.000	976.198	975.750	5.00	1.43	8.01	8.01	0.69	11.16	706.92	706.92	1881.90	-1174.98
51+0.000	976.957	976.666	5.00	0.91	11.70	11.70	0.72	7.08	718.62	718.62	1888.99	-1170.37
51+10.000	977.956	977.836	5.00	0.40	6.52	6.52	0.91	8.26	725.14	725.14	1897.25	-1172.11
52+0.000	979.195	979.418	5.00	2.16	12.76	12.76	1.93	14.21	737.90	737.90	1911.46	-1173.56
52+10.000	980.672	981.006	5.00	2.96	24.92	24.92	0.00	12.43	762.82	762.82	1923.89	-1161.07
53+0.000	982.224	982.944	5.00	3.69	33.33	33.33	0.01	0.07	796.15	796.15	1923.96	-1127.81
53+10.000	983.445	984.174	5.00	5.27	44.77	44.77	0.00	0.10	840.92	840.92	1924.06	-1083.14
54+0.000	984.251	984.525	5.00	4.52	48.85	48.85	0.00	0.05	889.77	889.77	1924.11	-1034.34
54+10.000	984.644	983.958	5.00	0.08	22.37	22.37	3.90	20.22	912.14	912.14	1944.33	-1032.19
55+0.000	984.649	983.881	5.00	0.12	1.43	1.43	4.53	43.00	913.57	913.57	1987.32	-1073.76
55+10.000	984.571	984.212	5.00	2.28	12.01	12.01	1.27	28.96	925.58	925.58	2016.29	-1090.71
56+0.000	984.458	984.608	5.00	4.10	32.35	32.35	0.00	6.33	957.93	957.93	2022.62	-1064.68
56+10.000	984.251	984.280	5.00	5.36	44.58	44.58	0.03	0.14	1002.51	1002.51	2022.76	-1020.25
57+0.000	983.949	983.763	5.00	4.04	47.09	47.09	0.23	1.29	1049.60	1049.60	2024.05	-974.45
57+10.000	983.552	983.397	5.00	4.59	43.32	43.32	0.46	3.44	1092.92	1092.92	2027.49	-934.57
58+0.000	983.095	982.629	5.00	5.20	48.90	48.90	2.18	13.23	1141.82	1141.82	2040.72	-898.90
58+10.000	982.614	981.210	5.00	5.40	52.98	52.98	6.22	42.04	1194.80	1194.80	2082.76	-887.96
59+0.000	982.015	979.791	5.00	2.56	39.80	39.80	12.48	93.53	1234.59	1234.59	2176.29	-941.70


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59+10.000	981.289	978.373	5.00	0.69	16.27	16.27	20.91	166.98	1250.86	1250.86	2343.28	-1092.42
60+0.000	980.437	976.952	5.00	0.56	5.95	5.95	30.16	257.55	1256.81	1256.81	2600.83	-1344.02
60+10.000	979.480	977.043	5.00	0.63	5.16	5.16	21.93	269.65	1261.97	1261.97	2870.48	-1608.51
61+0.000	978.515	977.106	5.00	0.00	3.24	3.24	11.84	167.43	1265.22	1265.22	3037.91	-1772.69
61+10.000	977.549	977.048	5.00	0.58	2.95	2.95	5.61	87.28	1268.17	1268.17	3125.19	-1857.02
62+0.000	976.583	976.353	5.00	1.58	9.90	9.90	3.28	44.87	1278.07	1278.07	3170.06	-1891.99
62+10.000	975.617	975.574	5.00	1.31	14.48	14.48	1.66	24.69	1292.55	1292.55	3194.75	-1902.20
63+0.000	974.651	974.796	5.00	0.58	9.47	9.47	0.59	11.25	1302.02	1302.02	3206.00	-1903.98
63+10.000	973.686	974.018	5.00	1.23	9.04	9.04	0.17	3.79	1311.06	1311.06	3209.79	-1898.73
64+0.000	972.720	973.240	5.00	2.41	18.18	18.18	0.03	0.97	1329.25	1329.25	3210.76	-1881.52
64+10.000	971.754	972.459	5.00	4.15	32.73	32.73	0.02	0.23	1361.98	1361.98	3211.00	-1849.02
65+0.000	970.788	971.457	5.00	5.27	47.10	47.10	0.00	0.11	1409.08	1409.08	3211.10	-1802.02
65+10.000	969.822	970.456	5.00	5.23	52.50	52.50	0.00	0.05	1461.58	1461.58	3211.15	-1749.57
66+0.000	968.856	969.431	5.00	5.33	52.35	52.35	0.00	0.05	1513.93	1513.93	3211.20	-1697.27
66+10.000	967.891	968.399	5.00	4.84	51.18	51.18	0.00	0.00	1565.10	1565.10	3211.20	-1646.10
67+0.000	966.925	967.359	5.00	4.18	45.07	45.07	0.00	0.00	1610.17	1610.17	3211.20	-1601.03
67+10.000	965.959	966.319	5.00	3.53	38.52	38.52	0.07	0.35	1648.69	1648.69	3211.55	-1562.86
68+0.000	964.993	965.339	5.00	3.49	35.14	35.14	0.29	1.84	1683.83	1683.83	3213.39	-1529.56
68+10.000	964.027	964.416	5.00	3.70	35.94	35.94	0.66	4.77	1719.77	1719.77	3218.16	-1498.39
69+0.000	963.076	963.493	5.00	3.81	37.51	37.51	0.47	5.64	1757.28	1757.28	3223.80	-1466.52
69+10.000	962.298	962.570	5.00	3.28	35.29	35.29	0.63	4.94	1792.57	1792.57	3228.74	-1436.17
70+0.000	961.740	961.741	5.00	0.67	19.67	19.67	1.29	8.96	1812.24	1812.24	3237.71	-1425.46
70+10.000	961.401	961.421	5.00	0.27	4.76	4.76	1.42	14.20	1817.00	1817.00	3251.91	-1434.90
71+0.000	961.268	961.045	5.00	0.00	1.36	1.36	1.59	15.07	1818.36	1818.36	3266.98	-1448.61
71+10.000	961.179	960.677	5.00	0.00	0.00	0.00	3.31	24.73	1818.36	1818.36	3291.70	-1473.34
72+0.000	961.091	960.372	5.00	0.00	0.00	0.00	4.89	41.01	1818.36	1818.36	3332.72	-1514.35
72+10.000	961.003	960.076	5.00	0.00	0.03	0.03	6.92	59.08	1818.40	1818.40	3391.80	-1573.40
73+0.000	960.914	959.858	5.00	0.07	-0.06	-0.06	7.84	74.67	1818.33	1818.33	3466.47	-1648.14
73+10.000	960.826	959.978	5.00	0.00	0.32	0.32	5.25	65.52	1818.66	1818.66	3531.99	-1713.33
74+0.000	960.737	960.143	5.00	0.00	0.00	0.00	3.31	42.81	1818.66	1818.66	3574.80	-1756.14
74+10.000	960.649	960.363	5.00	0.00	0.03	0.03	1.22	22.68	1818.69	1818.69	3597.48	-1778.79
75+0.000	960.561	960.697	5.00	1.53	7.69	7.69	0.00	6.12	1826.38	1826.38	3603.60	-1777.22
75+10.000	960.472	960.889	5.00	3.57	25.51	25.51	0.01	0.07	1851.90	1851.90	3603.67	-1751.78
76+0.000	960.384	960.953	5.00	4.73	41.50	41.50	0.00	0.08	1893.39	1893.39	3603.75	-1710.36
76+10.000	960.296	960.806	5.00	4.27	45.01	45.01	0.00	0.01	1938.41	1938.41	3603.76	-1665.36
77+0.000	960.207	960.501	5.00	2.17	32.11	32.11	0.05	0.24	1970.52	1970.52	3604.01	-1633.49
77+10.000	960.098	960.034	5.00	0.35	12.61	12.61	0.29	1.73	1983.13	1983.13	3605.74	-1622.61
78+0.000	959.895	959.417	5.00	0.09	2.15	2.15	3.06	16.81	1985.28	1985.28	3622.54	-1637.27
78+10.000	959.594	958.823	5.00	0.00	0.47	0.47	5.44	42.41	1985.74	1985.74	3664.96	-1679.21
79+0.000	959.194	958.269	5.00	0.09	0.45	0.45	6.57	60.05	1986.19	1986.19	3725.00	-1738.81
79+10.000	958.716	957.781	5.00	0.00	0.48	0.48	6.41	64.60	1986.67	1986.67	3789.60	-1802.93
80+0.000	958.233	957.304	5.00	0.00	0.00	0.00	6.36	63.86	1986.67	1986.67	3853.46	-1866.79
80+10.000	957.750	956.816	5.00	0.00	0.00	0.00	6.38	63.52	1986.67	1986.67	3916.98	-1930.31
81+0.000	957.266	956.276	5.00	0.01	0.07	0.07	7.11	67.29	1986.74	1986.74	3984.26	-1997.53
81+10.000	956.783	955.528	5.00	0.00	0.07	0.07	9.83	84.69	1986.80	1986.80	4068.96	-2082.15


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82+0.000	956.300	954.892	5.00	0.03	0.17	0.17	10.68	102.41	1986.97	1986.97	4171.36	-2184.39
82+10.000	955.816	954.491	5.00	0.04	0.36	0.36	9.83	102.54	1987.33	1987.33	4273.91	-2286.58
83+0.000	955.333	954.089	5.00	0.05	0.45	0.45	8.99	94.10	1987.78	1987.78	4368.01	-2380.23
83+10.000	954.849	953.688	5.00	0.00	0.26	0.26	8.25	86.20	1988.03	1988.03	4454.21	-2466.18
84+0.000	954.366	953.334	5.00	0.00	0.00	0.00	7.00	76.23	1988.03	1988.03	4530.44	-2542.40
84+10.000	953.883	952.990	5.00	0.00	0.00	0.00	5.77	63.90	1988.03	1988.03	4594.34	-2606.31
85+0.000	953.399	952.646	5.00	0.00	0.00	0.00	4.60	51.84	1988.03	1988.03	4646.18	-2658.15
85+10.000	952.916	952.290	5.00	0.00	0.00	0.00	3.63	41.13	1988.03	1988.03	4687.32	-2699.28
86+0.000	952.433	951.917	5.00	0.12	0.60	0.60	2.75	31.87	1988.64	1988.64	4719.19	-2730.55
86+10.000	951.949	951.499	5.00	0.13	1.24	1.24	2.28	25.12	1989.87	1989.87	4744.30	-2754.43
87+0.000	951.466	951.082	5.00	0.13	1.29	1.29	1.82	20.50	1991.16	1991.16	4764.80	-2773.64
87+10.000	950.983	950.665	5.00	0.13	1.31	1.31	1.40	16.09	1992.47	1992.47	4780.89	-2788.43
88+0.000	950.499	950.242	5.00	0.14	1.37	1.37	1.04	12.16	1993.84	1993.84	4793.05	-2799.21
88+10.000	950.016	949.814	5.00	0.25	1.94	1.94	0.75	8.96	1995.78	1995.78	4802.01	-2806.24
89+0.000	949.532	949.378	5.00	0.26	2.55	2.55	0.56	6.56	1998.33	1998.33	4808.58	-2810.24
89+10.000	949.049	948.816	5.00	0.15	2.09	2.09	0.97	7.64	2000.43	2000.43	4816.22	-2815.80
90+0.000	948.566	948.253	5.00	0.12	1.35	1.35	1.44	12.03	2001.78	2001.78	4828.25	-2826.47
90+10.000	948.082	947.696	5.00	0.00	0.58	0.58	1.94	16.87	2002.36	2002.36	4845.12	-2842.76
91+0.000	947.599	947.238	5.00	0.00	0.00	0.00	1.80	18.70	2002.36	2002.36	4863.82	-2861.46
91+10.000	947.118	946.832	5.00	0.02	0.10	0.10	1.24	15.21	2002.46	2002.46	4879.03	-2876.57
92+0.000	946.692	946.469	5.00	0.11	0.64	0.64	0.83	10.35	2003.10	2003.10	4889.37	-2886.27
92+10.000	946.345	946.200	5.00	0.26	1.85	1.85	0.45	6.43	2004.95	2004.95	4895.80	-2890.85
93+0.000	946.076	945.924	5.00	0.24	2.51	2.51	0.49	4.73	2007.46	2007.46	4900.53	-2893.07
93+10.000	945.883	945.640	5.00	0.08	1.59	1.59	0.95	7.22	2009.05	2009.05	4907.75	-2898.70
94+0.000	945.712	945.366	5.00	0.00	0.40	0.40	1.91	14.32	2009.45	2009.45	4922.07	-2912.62
94+10.000	945.542	945.099	5.00	0.00	0.00	0.00	2.31	21.11	2009.46	2009.46	4943.18	-2933.72
95+0.000	945.372	944.840	5.00	0.04	0.22	0.22	2.62	24.65	2009.68	2009.68	4967.82	-2958.15
95+10.000	945.202	944.591	5.00	0.46	2.57	2.57	2.93	27.74	2012.24	2012.24	4995.56	-2983.32
96+0.000	945.031	944.403	5.00	0.25	3.84	3.84	3.41	31.65	2016.08	2016.08	5027.21	-3011.13
96+10.000	944.861	944.319	5.00	0.35	3.00	3.00	2.97	31.86	2019.08	2019.08	5059.07	-3039.99
97+0.000	944.691	944.251	5.00	0.63	5.74	5.74	3.21	31.21	2024.82	2024.82	5090.29	-3065.47
97+10.000	944.521	944.195	5.00	0.00	3.42	3.42	2.22	27.45	2028.24	2028.24	5117.74	-3089.50
98+0.000	944.351	944.154	5.00	0.06	0.31	0.31	1.25	17.35	2028.55	2028.55	5135.09	-3106.54
98+10.000	944.180	944.140	5.00	0.44	2.62	2.62	0.41	8.41	2031.17	2031.17	5143.50	-3112.33
99+0.000	944.010	944.140	5.00	1.17	8.09	8.09	0.04	2.21	2039.26	2039.26	5145.71	-3106.45
99+10.000	943.827	944.162	5.00	2.11	16.39	16.39	0.05	0.45	2055.65	2055.65	5146.16	-3090.51
100+0.000	943.614	943.975	5.00	2.14	21.66	21.66	0.08	0.55	2077.30	2077.30	5146.71	-3069.41
100+10.000	943.369	943.657	5.00	1.76	19.81	19.81	0.07	0.64	2097.11	2097.11	5147.35	-3050.24
101+0.000	943.094	943.143	5.00	0.48	11.23	11.23	0.03	0.48	2108.34	2108.34	5147.83	-3039.50
101+10.000	942.800	942.774	5.00	0.22	3.53	3.53	0.11	0.72	2111.87	2111.87	5148.55	-3036.68
102+0.000	942.506	942.455	5.00	0.19	2.07	2.07	0.09	1.00	2113.94	2113.94	5149.55	-3035.62
102+10.000	942.212	942.134	5.00	0.12	1.55	1.55	0.16	1.26	2115.49	2115.49	5150.81	-3035.32
103+0.000	941.918	941.818	5.00	0.01	0.68	0.68	0.29	2.28	2116.17	2116.17	5153.09	-3036.92
103+10.000	941.624	941.517	5.00	0.04	0.26	0.26	0.39	3.28	2116.43	2116.43	5156.37	-3039.94
104+0.000	941.330	941.276	5.00	0.14	0.92	0.92	0.18	2.86	2117.35	2117.35	5159.22	-3041.88


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104+10.00 0	941.036	941.035	5.00	0.35	2.46	2.46	0.07	1.29	2119.81	2119.81	5160.52	-3040.71
105+0.000	940.742	940.794	5.00	0.60	4.74	4.74	0.04	0.59	2124.55	2124.55	5161.11	-3036.56
105+10.00 0	940.444	940.519	5.00	0.69	6.42	6.42	0.02	0.30	2130.97	2130.97	5161.40	-3030.43
106+0.000	940.034	940.185	5.00	1.88	12.87	12.87	0.00	0.12	2143.84	2143.84	5161.52	-3017.68
106+10.00 0	939.460	939.584	5.00	0.60	12.45	12.45	0.45	2.25	2156.29	2156.29	5163.77	-3007.48
107+0.000	938.722	937.951	5.00	0.03	3.15	3.15	4.06	22.54	2159.44	2159.44	5186.31	-3026.87
107+10.00 0	937.825	936.983	5.00	0.04	0.35	0.35	4.05	41.76	2159.79	2159.79	5228.06	-3068.27
108+0.000	936.878	936.382	5.00	0.00	0.19	0.19	2.30	31.74	2159.98	2159.98	5259.80	-3099.82
108+10.00 0	936.032	935.781	5.00	0.00	0.02	0.02	1.98	21.38	2160.00	2160.00	5281.18	-3121.17
109+0.000	935.402	934.980	5.00	0.00	0.03	0.03	3.72	28.37	2160.03	2160.03	5309.55	-3149.52
109+10.00 0	934.989	934.227	5.00	0.00	0.00	0.00	6.85	52.90	2160.03	2160.03	5362.45	-3202.42
110+0.000	934.792	933.895	5.00	0.00	0.00	0.00	12.06	94.56	2160.03	2160.03	5457.01	-3296.98
110+10.00 0	934.734	933.636	5.00	0.00	0.00	0.00	17.41	147.14	2160.03	2160.03	5604.15	-3444.12
111+0.000	934.734	933.180	5.00	0.00	0.00	0.00	15.82	165.49	2160.03	2160.03	5769.63	-3609.61
111+10.00 0	934.795	933.510	5.00	1.21	6.07	6.07	10.96	133.92	2166.09	2166.09	5903.56	-3737.46
112+0.000	934.913	933.838	5.00	0.15	6.83	6.83	7.43	91.97	2172.92	2172.92	5995.52	-3822.60
112+10.00 0	935.062	934.197	5.00	0.02	0.86	0.86	4.28	58.54	2173.78	2173.78	6054.07	-3880.29
113+0.000	935.447	934.753	5.00	0.00	0.11	0.11	3.39	38.08	2173.89	2173.89	6092.15	-3918.26
113+10.00 0	936.140	935.512	5.00	0.05	0.24	0.24	3.55	34.68	2174.13	2174.13	6126.84	-3952.70
114+0.000	937.142	936.593	5.00	0.42	2.31	2.31	2.56	30.55	2176.44	2176.44	6157.39	-3980.94
114+10.00 0	938.436	937.845	5.00	1.55	10.12	10.12	1.53	20.27	2186.56	2186.56	6177.65	-3991.09
115+0.000	939.803	939.294	5.00	0.12	8.48	8.48	2.48	19.96	2195.04	2195.04	6197.61	-4002.57
115+10.00 0	941.169	940.663	5.00	0.13	1.02	1.02	1.98	22.01	2196.06	2196.06	6219.62	-4023.56
116+0.000	942.536	942.461	5.00	1.53	7.70	7.70	0.57	12.76	2203.76	2203.76	6232.38	-4028.62
116+10.00 0	943.902	944.966	5.00	3.94	27.32	27.32	0.55	5.58	2231.07	2231.07	6237.96	-4006.89
117+0.000	945.231	945.691	5.00	2.66	33.29	33.29	0.47	5.13	2264.36	2264.36	6243.09	-3978.73
117+10.00 0	946.369	946.247	5.00	0.40	14.38	14.38	0.57	4.28	2278.74	2278.74	6247.37	-3968.64
118+0.000	947.301	947.230	5.00	0.00	1.98	1.98	1.34	9.54	2280.71	2280.71	6256.92	-3976.20
118+10.00 0	948.026	948.019	5.00	0.05	0.23	0.23	0.83	10.86	2280.94	2280.94	6267.78	-3986.83
119+0.000	948.584	948.716	5.00	1.26	6.94	6.94	0.00	4.56	2287.88	2287.88	6272.34	-3984.45
119+10.00 0	949.125	949.296	5.00	1.10	11.74	11.74	0.00	0.02	2299.63	2299.63	6272.35	-3972.72
120+0.000	949.667	949.766	5.00	0.86	9.22	9.22	0.00	0.00	2308.84	2308.84	6272.35	-3963.51
120+10.00 0	950.209	950.177	5.00	0.42	6.24	6.24	0.22	1.10	2315.09	2315.09	6273.45	-3958.37
121+0.000	950.750	950.533	5.00	1.10	7.59	7.59	1.07	6.46	2322.68	2322.68	6279.91	-3957.23
121+10.00 0	951.292	951.339	5.00	1.26	12.24	12.24	0.21	6.39	2334.92	2334.92	6286.30	-3951.39
122+0.000	951.834	952.140	5.00	2.00	16.21	16.21	0.00	1.05	2351.13	2351.13	6287.35	-3936.22
122+10.00 0	952.375	952.446	5.00	0.70	13.47	13.47	0.14	0.73	2364.60	2364.60	6288.08	-3923.48
122+13.02 0	952.539	952.539	1.51	0.14	1.26	1.26	0.04	0.28	2365.86	2365.86	6288.36	-3922.50


 JOTA BARROS PROJETO
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE

Relatório de Volumes

RAMAL SITIO CORSA A SITIO SANTA ISABEL

Estaca Inicial: 0+0.000

Estaca Final: 50+0.004

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	950.540	950.540	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	950.837	950.690	5.00	0.01	0.56	0.56	0.37	1.89	0.56	0.56	1.89	-1.33
1+0.000	951.279	951.040	5.00	0.28	1.45	1.45	0.80	5.84	2.01	2.01	7.73	-5.72
1+10.000	951.871	951.970	5.00	1.54	9.06	9.06	0.00	4.01	11.07	11.07	11.75	-0.67
2+0.000	952.613	952.870	5.00	2.33	19.34	19.34	0.00	0.00	30.41	30.41	11.75	18.66
2+10.000	953.460	953.771	5.00	2.59	24.55	24.55	0.00	0.00	54.96	54.96	11.75	43.21
3+0.000	954.310	954.531	5.00	2.44	24.97	24.97	0.00	0.00	79.93	79.93	11.75	68.18
3+10.000	955.160	955.565	5.00	3.51	29.76	29.76	0.00	0.00	109.69	109.69	11.75	97.94
4+0.000	956.011	956.259	5.00	2.11	28.13	28.13	0.00	0.00	137.81	137.81	11.75	126.07
4+10.000	956.861	956.989	5.00	1.12	16.09	16.09	0.00	0.00	153.90	153.90	11.75	142.16
5+0.000	957.711	957.596	5.00	0.01	5.65	5.65	0.41	2.07	159.55	159.55	13.81	145.74
5+10.000	958.557	958.316	5.00	0.00	0.07	0.07	1.06	7.35	159.62	159.62	21.16	138.46
6+0.000	959.386	959.316	5.00	0.08	0.41	0.41	0.21	6.37	160.04	160.04	27.53	132.51
6+10.000	960.198	959.999	5.00	0.00	0.42	0.42	0.69	4.51	160.45	160.45	32.04	128.41
7+0.000	960.992	960.723	5.00	0.00	0.00	0.00	1.02	8.55	160.45	160.45	40.59	119.86
7+10.000	961.772	961.485	5.00	0.00	0.00	0.00	1.23	11.28	160.45	160.45	51.87	108.58
8+0.000	962.553	962.243	5.00	0.00	0.00	0.00	1.92	15.77	160.45	160.45	67.64	92.81
8+10.000	963.333	963.074	5.00	0.00	0.00	0.00	3.03	24.84	160.45	160.45	92.48	67.98
9+0.000	964.113	963.921	5.00	0.00	0.00	0.00	2.71	28.69	160.45	160.45	121.17	39.28
9+10.000	964.893	964.715	5.00	0.00	0.00	0.00	2.77	27.38	160.45	160.45	148.55	11.90
10+0.000	965.673	965.515	5.00	0.00	0.03	0.03	2.78	27.59	160.49	160.49	176.14	-15.65
10+10.000	966.425	966.364	5.00	0.12	0.61	0.61	2.02	24.22	161.09	161.09	200.36	-39.27
11+0.000	966.866	966.778	5.00	0.00	0.62	0.62	1.82	19.03	161.72	161.72	219.39	-57.67
11+10.000	966.920	967.000	5.00	1.07	5.51	5.51	0.08	9.20	167.23	167.23	228.58	-61.36
12+0.000	966.587	966.687	5.00	1.05	10.60	10.60	0.00	0.40	177.83	177.83	228.99	-51.16
12+10.000	965.894	966.088	5.00	1.11	11.16	11.16	0.00	0.00	188.99	188.99	228.99	-40.00
13+0.000	965.125	965.123	5.00	0.08	5.92	5.92	0.33	1.66	194.91	194.91	230.65	-35.74
13+10.000	964.357	964.025	5.00	0.00	0.40	0.40	1.92	11.36	195.31	195.31	242.01	-46.71
14+0.000	963.589	962.956	5.00	0.00	0.00	0.00	3.36	26.59	195.31	195.31	268.60	-73.30
14+10.000	962.820	962.452	5.00	0.00	0.00	0.00	1.85	26.06	195.31	195.31	294.66	-99.35
15+0.000	962.066	962.051	5.00	0.62	3.01	3.01	0.01	9.34	198.32	198.32	304.00	-105.68
15+10.000	961.509	961.574	5.00	1.11	8.84	8.84	0.00	0.07	207.16	207.16	304.07	-96.91
16+0.000	961.202	961.239	5.00	1.08	11.09	11.09	0.09	0.47	218.25	218.25	304.53	-86.28
16+10.000	961.147	961.043	5.00	0.52	8.29	8.29	0.31	1.96	226.55	226.55	306.50	-79.95
17+0.000	961.328	961.093	5.00	0.22	3.80	3.80	0.34	3.23	230.34	230.34	309.73	-79.39
17+10.000	961.563	961.320	5.00	0.00	1.09	1.09	1.04	6.97	231.43	231.43	316.70	-85.27
18+0.000	961.799	961.486	5.00	0.00	0.00	0.00	1.89	14.67	231.43	231.43	331.37	-99.94
18+10.000	962.034	961.707	5.00	0.00	0.00	0.00	1.90	18.87	231.43	231.43	350.24	-118.81
19+0.000	962.270	962.047	5.00	0.00	0.00	0.00	1.19	15.42	231.43	231.43	365.66	-134.24
19+10.000	962.434	962.353	5.00	0.01	0.06	0.06	0.31	7.43	231.49	231.49	373.09	-141.60
20+0.000	962.471	962.519	5.00	0.27	1.44	1.44	0.12	2.11	232.93	232.93	375.20	-142.27
20+10.000	962.382	962.271	5.00	0.00	1.35	1.35	0.87	4.99	234.29	234.29	380.19	-145.90
21+0.000	962.165	962.076	5.00	0.00	0.00	0.00	0.62	7.40	234.29	234.29	387.59	-153.31
21+10.000	961.893	961.904	5.00	0.19	0.94	0.94	0.06	3.44	235.23	235.23	391.03	-155.80
22+0.000	961.599	961.741	5.00	1.24	7.19	7.19	0.00	0.31	242.41	242.41	391.34	-148.92
22+10.000	961.112	961.645	5.00	3.75	24.97	24.97	0.00	0.00	267.38	267.38	391.34	-123.96
23+0.000	960.396	960.541	5.00	0.37	20.60	20.60	0.15	0.71	287.98	287.98	392.05	-104.07
23+10.000	959.451	958.862	5.00	0.00	1.88	1.88	2.54	13.44	289.86	289.86	405.49	-115.64
24+0.000	958.296	957.873	5.00	0.00	0.03	0.03	2.99	27.62	289.89	289.89	433.11	-143.22
24+10.000	957.105	956.174	5.00	0.00	0.00	0.00	5.82	44.33	289.89	289.89	477.44	-187.55
25+0.000	955.913	955.049	5.00	0.00	0.00	0.00	4.88	53.59	289.89	289.89	531.03	-241.14
25+10.000	954.789	954.579	5.00	0.00	0.00	0.00	2.19	35.30	289.89	289.89	566.32	-276.44
26+0.000	953.864	953.510	5.00	2.00	9.71	9.71	1.07	16.39	299.60	299.60	582.71	-283.11
26+10.000	953.140	953.007	5.00	0.20	10.10	10.10	0.34	7.32	309.70	309.70	590.03	-280.33
27+0.000	952.619	952.613	5.00	0.80	4.41	4.41	0.00	1.81	314.12	314.12	591.84	-277.72
27+10.000	952.232	952.293	5.00	1.19	9.93	9.93	0.00	0.00	324.04	324.04	591.85	-267.80
28+0.000	951.852	951.904	5.00	1.07	11.31	11.31	0.00	0.00	335.36	335.36	591.85	-256.49
28+10.000	951.535	951.467	5.00	0.22	6.49	6.49	0.11	0.57	341.85	341.85	592.41	-250.57
29+0.000	951.302	951.000	5.00	0.00	1.15	1.15	1.34	7.25	342.99	342.99	599.66	-256.67
29+10.000	951.154	950.515	5.00	0.00	0.00	0.00	3.63	24.85	342.99	342.99	624.51	-281.51


 JOTA BARROS PROJETO
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE

30+0.000	951.087	950.184	5.00	0.00	0.00	0.00	5.83	47.61	342.99	342.99	672.12	-329.13
30+10.000	951.041	950.038	5.00	0.00	0.00	0.00	6.73	62.90	342.99	342.99	735.02	-392.02
31+0.000	950.996	949.892	5.00	0.00	0.00	0.00	7.66	71.93	342.99	342.99	806.95	-463.95
31+10.000	950.950	949.747	5.00	0.00	0.00	0.00	8.62	81.38	342.99	342.99	888.32	-545.33
32+0.000	950.911	949.601	5.00	0.00	0.00	0.00	9.74	91.81	342.99	342.99	980.13	-637.14
32+10.000	950.885	949.460	5.00	0.00	0.00	0.00	10.87	103.34	342.99	342.99	1083.47	-740.48
33+0.004	950.871	949.630	5.00	0.00	0.00	0.00	9.33	101.24	342.99	342.99	1184.71	-841.72
33+10.004	950.871	949.827	5.00	0.00	0.00	0.00	7.46	83.94	342.99	342.99	1268.65	-925.66
34+0.004	950.877	950.042	5.00	0.00	0.00	0.00	5.47	64.68	342.99	342.99	1333.33	-990.34
34+10.004	950.883	950.220	5.00	0.00	0.00	0.00	3.94	47.09	342.99	342.99	1380.42	-1037.42
35+0.004	950.889	950.419	5.00	0.00	0.00	0.00	2.49	32.19	342.99	342.99	1412.61	-1069.61
35+10.004	950.941	950.661	5.00	0.00	0.00	0.00	1.19	18.40	342.99	342.99	1431.00	-1088.01
36+0.004	951.089	950.870	5.00	0.03	0.14	0.14	0.77	9.84	343.14	343.14	1440.84	-1097.71
36+10.004	951.335	951.212	5.00	0.09	0.56	0.56	0.23	5.05	343.70	343.70	1445.89	-1102.19
37+0.004	951.678	952.071	5.00	2.48	12.85	12.85	0.00	1.16	356.54	356.54	1447.05	-1090.51
37+10.004	952.073	952.481	5.00	2.69	26.17	26.17	0.00	0.00	382.71	382.71	1447.05	-1064.34
38+0.004	952.468	952.895	5.00	2.99	28.39	28.39	0.00	0.00	411.10	411.10	1447.05	-1035.95
38+10.004	952.863	953.368	5.00	3.25	31.21	31.21	0.00	0.00	442.31	442.31	1447.05	-1004.74
39+0.004	953.258	953.656	5.00	2.10	26.93	26.93	0.00	0.00	469.23	469.23	1447.05	-977.82
39+10.004	953.653	953.799	5.00	0.75	14.24	14.24	0.00	0.00	483.48	483.48	1447.05	-963.57
40+0.004	954.047	953.941	5.00	0.12	4.32	4.32	0.28	1.39	487.80	487.80	1448.44	-960.63
40+10.004	954.442	954.309	5.00	0.11	1.10	1.10	0.25	2.66	488.90	488.90	1451.10	-962.20
41+0.004	954.837	954.709	5.00	0.05	0.76	0.76	0.24	2.48	489.67	489.67	1453.58	-963.91
41+10.004	955.232	955.109	5.00	0.00	0.24	0.24	0.37	3.07	489.91	489.91	1456.65	-966.74
42+0.004	955.627	955.506	5.00	0.00	0.00	0.00	0.74	5.57	489.91	489.91	1462.22	-972.31
42+10.004	956.022	955.903	5.00	0.00	0.00	0.00	0.85	7.97	489.91	489.91	1470.19	-980.28
43+0.004	956.417	956.301	5.00	0.00	0.00	0.00	0.91	8.79	489.91	489.91	1478.98	-989.07
43+10.004	956.812	956.698	5.00	0.00	0.00	0.00	0.95	9.30	489.91	489.91	1488.27	-998.36
44+0.004	957.206	957.095	5.00	0.00	0.00	0.00	0.98	9.68	489.91	489.91	1497.95	-1008.04
44+10.004	957.569	957.492	5.00	0.00	0.02	0.02	0.79	8.89	489.93	489.93	1506.84	-1016.91
45+0.004	957.879	957.888	5.00	0.18	0.96	0.96	0.43	5.98	490.88	490.88	1512.82	-1021.94
45+10.004	958.137	958.017	5.00	0.00	0.94	0.94	0.93	6.67	491.82	491.82	1519.49	-1027.67
46+0.004	958.343	958.171	5.00	0.00	0.00	0.00	0.94	9.36	491.82	491.82	1528.85	-1037.02
46+10.004	958.529	958.358	5.00	0.00	0.00	0.00	0.83	8.84	491.82	491.82	1537.69	-1045.87
47+0.004	958.715	958.551	5.00	0.00	0.00	0.00	0.79	8.09	491.82	491.82	1545.78	-1053.95
47+10.004	958.901	958.747	5.00	0.00	0.00	0.00	0.74	7.63	491.82	491.82	1553.41	-1061.58
48+0.004	959.087	958.946	5.00	0.00	0.00	0.00	0.66	6.98	491.82	491.82	1560.39	-1068.56
48+10.004	959.273	959.244	5.00	0.10	0.49	0.49	0.19	4.26	492.32	492.32	1564.65	-1072.33
49+0.004	959.459	959.566	5.00	0.85	4.79	4.79	0.00	0.94	497.11	497.11	1565.59	-1068.48
49+10.004	959.645	959.874	5.00	1.80	13.22	13.22	0.00	0.00	510.33	510.33	1565.59	-1055.26
50+0.004	959.831	959.837	5.00	0.41	11.15	11.15	0.00	0.00	521.47	521.47	1565.59	-1044.12

Relatório de Volumes

RAMAL SITIO PARAISO A SITIO EXTREMA - TRECHO 01

Estaca Inicial: 0+0.000

Estaca Final: 95+17.668

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m²)	Volume de Corte (m³)	Vol. Reuso (m³)	Área de Aterro (m²)	Volume Aterro (m³)	Vol. Acum. Corte (m³)	Vol. Reuso Acum. (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
0+0.000	894.341	894.341	0.00	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	894.671	894.827	5.00	2.18	15.81	15.81	0.00	0.00	15.81	15.81	0.00	15.81
1+0.000	895.001	895.218	5.00	2.23	22.04	22.04	0.01	0.05	37.85	37.85	0.05	37.80
1+10.000	895.332	895.516	5.00	1.62	19.19	19.19	0.00	0.09	57.04	57.04	0.14	56.90
2+0.000	895.662	895.774	5.00	1.02	13.27	13.27	0.00	0.04	70.31	70.31	0.18	70.13
2+10.000	895.992	896.001	5.00	0.30	6.64	6.64	0.00	0.00	76.95	76.95	0.18	76.77
3+0.000	896.322	896.217	5.00	0.00	1.52	1.52	0.38	1.92	78.47	78.47	2.10	76.37
3+10.000	896.652	896.431	5.00	0.00	0.00	0.00	1.11	7.46	78.47	78.47	9.57	68.91
4+0.000	896.982	896.647	5.00	0.00	0.00	0.00	1.88	14.95	78.47	78.47	24.52	53.96
4+10.000	897.313	896.860	5.00	0.00	0.00	0.00	2.70	22.93	78.47	78.47	47.45	31.02
5+0.000	897.643	897.078	5.00	0.00	0.00	0.00	3.47	30.89	78.47	78.47	78.34	0.14
5+10.000	897.973	897.330	5.00	0.00	0.00	0.00	4.06	37.66	78.47	78.47	115.99	-37.52
6+0.000	898.303	897.582	5.00	0.00	0.00	0.00	4.60	43.31	78.47	78.47	159.30	-80.83
6+10.000	898.633	897.837	5.00	0.00	0.00	0.00	5.18	48.90	78.47	78.47	208.20	-129.73
7+0.000	898.964	898.111	5.00	0.00	0.00	0.00	5.71	54.46	78.47	78.47	262.66	-184.18
7+10.000	899.294	898.408	5.00	0.00	0.00	0.00	6.10	59.08	78.47	78.47	321.74	-243.26
8+0.000	899.624	898.728	5.00	0.00	0.00	0.00	6.25	61.76	78.47	78.47	383.50	-305.03
8+10.000	899.954	899.093	5.00	0.00	0.00	0.00	6.03	61.42	78.47	78.47	444.92	-366.45
9+0.000	900.284	899.497	5.00	0.00	0.00	0.00	5.37	57.00	78.47	78.47	501.92	-423.45
9+10.000	900.614	899.959	5.00	0.00	0.00	0.00	4.25	48.08	78.47	78.47	550.01	-471.53
10+0.000	900.945	900.417	5.00	0.00	0.00	0.00	3.23	37.41	78.47	78.47	587.42	-508.94
10+10.000	901.275	900.846	5.00	0.00	0.00	0.00	2.50	28.68	78.47	78.47	616.09	-537.62
11+0.000	901.605	901.167	5.00	0.00	0.00	0.00	2.57	25.39	78.47	78.47	641.48	-563.01
11+10.000	901.935	901.559	5.00	0.00	0.00	0.00	2.11	23.43	78.47	78.47	664.91	-586.44
12+0.000	902.265	901.995	5.00	0.00	0.00	0.00	1.39	17.49	78.47	78.47	682.40	-603.93
12+10.000	902.596	902.447	5.00	0.00	0.00	0.00	0.60	9.91	78.47	78.47	692.31	-613.84
13+0.000	902.926	902.855	5.00	0.02	0.12	0.12	0.16	3.75	78.59	78.59	696.06	-617.47
13+10.000	903.256	903.227	5.00	0.15	0.87	0.87	0.03	0.91	79.46	79.46	696.97	-617.51
14+0.000	903.586	903.543	5.00	0.09	1.21	1.21	0.06	0.43	80.68	80.68	697.40	-616.72
14+10.000	903.916	903.893	5.00	0.18	1.38	1.38	0.02	0.38	82.05	82.05	697.77	-615.72
15+0.000	904.246	904.280	5.00	0.53	3.55	3.55	0.00	0.08	85.61	85.61	697.86	-612.25
15+10.000	904.577	904.771	5.00	1.64	10.86	10.86	0.00	0.00	96.47	96.47	697.86	-601.39
16+0.000	904.907	905.263	5.00	2.86	22.51	22.51	0.00	0.00	118.98	118.98	697.86	-578.88
16+10.000	905.237	905.747	5.00	4.11	34.84	34.84	0.00	0.00	153.82	153.82	697.86	-544.04
17+0.000	905.567	906.182	5.00	5.01	45.59	45.59	0.00	0.00	199.41	199.41	697.86	-498.45
17+10.000	905.897	906.587	5.00	5.68	53.44	53.44	0.00	0.00	252.85	252.85	697.86	-445.01
18+0.000	906.228	906.948	5.00	5.96	58.19	58.19	0.00	0.00	311.04	311.04	697.86	-386.82
18+10.000	906.558	907.245	5.00	5.64	58.01	58.01	0.00	0.00	369.05	369.05	697.86	-328.80
19+0.000	906.888	907.532	5.00	5.26	54.53	54.53	0.00	0.00	423.59	423.59	697.86	-274.28
19+10.000	907.218	907.860	5.00	5.24	52.45	52.45	0.00	0.01	476.03	476.03	697.87	-221.84
20+0.000	907.548	908.182	5.00	5.16	51.98	51.98	0.00	0.00	528.01	528.01	697.87	-169.86
20+10.000	907.878	908.451	5.00	4.62	48.89	48.89	0.00	0.00	576.90	576.90	697.87	-120.97
21+0.000	908.209	908.719	5.00	4.09	43.53	43.53	0.00	0.00	620.43	620.43	697.87	-77.44
21+10.000	908.539	908.988	5.00	3.58	38.32	38.32	0.00	0.00	658.75	658.75	697.87	-39.12
22+0.000	908.869	909.256	5.00	3.08	33.27	33.27	0.00	0.00	692.02	692.02	697.87	-5.85
22+10.000	909.199	909.525	5.00	2.60	28.37	28.37	0.00	0.00	720.39	720.39	697.87	22.51
23+0.000	909.529	909.781	5.00	2.04	23.18	23.18	0.00	0.00	743.57	743.57	697.87	45.70
23+10.000	909.860	910.052	5.00	1.61	18.28	18.28	0.00	0.00	761.85	761.85	697.87	63.97
24+0.000	910.189	910.397	5.00	1.73	16.71	16.71	0.00	0.00	778.56	778.56	697.87	80.68
24+10.000	910.488	910.644	5.00	1.34	15.33	15.33	0.00	0.00	793.89	793.89	697.87	96.01
25+0.000	910.737	910.830	5.00	0.91	11.23	11.23	0.00	0.00	805.12	805.12	697.87	107.24
25+10.000	910.934	910.982	5.00	0.60	7.55	7.55	0.00	0.00	812.67	812.67	697.87	114.79
26+0.000	911.082	911.112	5.00	0.49	5.46	5.46	0.00	0.00	818.12	818.12	697.87	120.25
26+10.000	911.209	911.223	5.00	0.40	4.45	4.45	0.00	0.00	822.57	822.57	697.87	124.70
27+0.000	911.336	911.354	5.00	0.43	4.14	4.14	0.00	0.00	826.71	826.71	697.87	128.83
27+10.000	911.464	911.482	5.00	0.40	4.13	4.13	0.00	0.00	830.84	830.84	697.87	132.97
28+0.000	911.591	911.602	5.00	0.30	3.49	3.49	0.00	0.00	834.33	834.33	697.87	136.45
28+10.000	911.718	911.693	5.00	0.16	2.27	2.27	0.03	0.16	836.60	836.60	698.03	138.57
29+0.000	911.846	911.791	5.00	0.14	1.47	1.47	0.08	0.54	838.07	838.07	698.57	139.50
29+10.000	911.973	911.934	5.00	0.19	1.62	1.62	0.04	0.58	839.69	839.69	699.14	140.54


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30+0.000	912.100	912.080	5.00	0.23	2.10	2.10	0.01	0.25	841.79	841.79	699.40	142.40
30+10.000	912.228	912.233	5.00	0.30	2.68	2.68	0.00	0.05	844.47	844.47	699.45	145.02
31+0.000	912.355	912.451	5.00	0.72	5.10	5.10	0.00	0.00	849.57	849.57	699.45	150.12
31+10.000	912.482	912.663	5.00	1.28	10.02	10.02	0.00	0.00	859.59	859.59	699.45	160.14
32+0.000	912.609	912.871	5.00	1.85	15.69	15.69	0.00	0.00	875.27	875.27	699.45	175.82
32+10.000	912.737	913.154	5.00	2.84	23.45	23.45	0.00	0.00	898.73	898.73	699.45	199.27
33+0.000	912.864	913.426	5.00	3.98	34.10	34.10	0.00	0.00	932.82	932.82	699.45	233.37
33+10.000	912.991	913.685	5.00	5.14	45.61	45.61	0.00	0.00	978.43	978.43	699.45	278.98
34+0.000	913.119	913.990	5.00	6.61	58.74	58.74	0.00	0.00	1037.18	1037.18	699.45	337.73
34+10.000	913.246	914.289	5.00	8.19	74.23	74.23	0.00	0.00	1111.41	1111.41	699.45	411.95
35+0.000	913.373	914.570	5.00	9.67	89.32	89.32	0.00	0.00	1200.72	1200.72	699.46	501.26
35+10.000	913.501	914.761	5.00	10.06	99.51	99.51	0.00	0.00	1300.23	1300.23	699.47	600.76
36+0.000	913.628	914.872	5.00	9.48	98.10	98.10	0.00	0.00	1398.34	1398.34	699.47	698.87
36+10.000	913.755	914.787	5.00	8.07	87.72	87.72	0.00	0.00	1486.06	1486.06	699.47	786.59
37+0.000	913.883	914.894	5.00	7.05	75.51	75.51	0.00	0.00	1561.57	1561.57	699.47	862.10
37+10.000	914.010	914.715	5.00	5.34	61.89	61.89	0.00	0.00	1623.46	1623.46	699.47	923.99
38+0.000	914.137	914.664	5.00	4.24	47.96	47.96	0.00	0.00	1671.42	1671.42	699.47	971.95
38+10.000	914.265	914.616	5.00	3.11	36.79	36.79	0.00	0.00	1708.21	1708.21	699.47	1008.75
39+0.000	914.392	914.603	5.00	2.03	25.73	25.73	0.00	0.00	1733.95	1733.95	699.47	1034.48
39+10.000	914.519	914.617	5.00	1.18	16.05	16.05	0.00	0.00	1750.00	1750.00	699.47	1050.53
40+0.000	914.647	914.690	5.00	0.54	8.61	8.61	0.00	0.00	1758.61	1758.61	699.47	1059.14
40+10.000	914.774	914.681	5.00	0.02	2.80	2.80	0.28	1.38	1761.40	1761.40	700.85	1060.55
41+0.000	914.901	914.646	5.00	0.00	0.09	0.09	1.15	7.13	1761.49	1761.49	707.98	1053.51
41+10.000	915.028	914.646	5.00	0.00	0.00	0.00	1.96	15.57	1761.49	1761.49	723.55	1037.94
42+0.000	915.156	914.673	5.00	0.00	0.00	0.00	2.67	23.23	1761.49	1761.49	746.77	1014.71
42+10.000	915.283	914.715	5.00	0.00	0.00	0.00	3.31	29.97	1761.49	1761.49	776.74	984.75
43+0.000	915.410	914.774	5.00	0.00	0.00	0.00	3.79	35.50	1761.49	1761.49	812.24	949.25
43+10.000	915.538	914.853	5.00	0.00	0.00	0.00	4.14	39.61	1761.49	1761.49	851.85	909.64
44+0.000	915.665	914.948	5.00	0.00	0.00	0.00	4.42	42.79	1761.49	1761.49	894.64	866.85
44+10.000	915.792	915.024	5.00	0.00	0.00	0.00	4.73	45.73	1761.49	1761.49	940.37	821.12
45+0.000	915.920	915.108	5.00	0.00	0.00	0.00	4.95	48.35	1761.49	1761.49	988.72	772.77
45+10.000	916.047	915.233	5.00	0.00	0.00	0.00	5.02	49.81	1761.49	1761.49	1038.53	722.96
46+0.000	916.174	915.364	5.00	0.00	0.00	0.00	5.06	50.40	1761.49	1761.49	1088.93	672.56
46+10.000	916.302	915.498	5.00	0.00	0.00	0.00	5.09	50.79	1761.49	1761.49	1139.72	621.77
47+0.000	916.429	915.613	5.00	0.00	0.00	0.00	5.17	51.30	1761.49	1761.49	1191.01	570.48
47+10.000	916.556	915.735	5.00	0.00	0.00	0.00	5.29	52.26	1761.49	1761.49	1243.28	518.21
48+0.000	916.684	915.862	5.00	0.00	0.00	0.00	5.40	53.50	1761.49	1761.49	1296.78	464.71
48+10.000	916.811	915.989	5.00	0.00	0.00	0.00	5.43	54.14	1761.49	1761.49	1350.91	410.58
49+0.000	916.938	916.115	5.00	0.00	0.00	0.00	5.46	54.43	1761.49	1761.49	1405.34	356.15
49+10.000	917.066	916.242	5.00	0.00	0.00	0.00	5.49	54.71	1761.49	1761.49	1460.05	301.44
50+0.000	917.193	916.368	5.00	0.00	0.00	0.00	5.49	54.87	1761.49	1761.49	1514.93	246.56
50+10.000	917.320	916.495	5.00	0.00	0.00	0.00	5.42	54.53	1761.49	1761.49	1569.46	192.03
51+0.000	917.447	916.621	5.00	0.00	0.00	0.00	5.77	55.81	1761.49	1761.49	1625.26	136.23
51+10.000	917.575	916.785	5.00	0.00	0.00	0.00	5.26	55.34	1761.49	1761.49	1680.60	80.89
52+0.000	917.702	916.952	5.00	0.00	0.00	0.00	4.22	47.37	1761.49	1761.49	1727.97	33.52
52+10.000	917.829	917.118	5.00	0.00	0.00	0.00	3.42	38.19	1761.49	1761.49	1766.16	-4.67
53+0.000	917.957	917.284	5.00	0.00	0.00	0.00	2.87	31.46	1761.49	1761.49	1797.62	-36.14
53+10.000	918.084	917.858	5.00	0.17	0.86	0.86	1.18	20.23	1762.35	1762.35	1817.85	-55.50
54+0.000	918.211	917.985	5.00	0.13	1.48	1.48	1.21	11.97	1763.83	1763.83	1829.82	-65.98
54+10.000	918.339	918.112	5.00	0.03	0.82	0.82	1.25	12.28	1764.66	1764.66	1842.09	-77.44
55+0.000	918.466	918.239	5.00	0.03	0.34	0.34	1.29	12.66	1765.00	1765.00	1854.75	-89.75
55+10.000	918.593	918.366	5.00	0.03	0.33	0.33	1.34	13.11	1765.33	1765.33	1867.87	-102.54
56+0.000	918.721	918.493	5.00	0.03	0.32	0.32	1.36	13.50	1765.65	1765.65	1881.37	-115.72
56+10.000	918.848	918.620	5.00	0.00	0.16	0.16	1.33	13.46	1765.81	1765.81	1894.83	-129.02
57+0.000	918.975	918.757	5.00	0.00	0.00	0.00	1.31	13.16	1765.81	1765.81	1907.99	-142.18
57+10.000	919.115	918.994	5.00	0.00	0.00	0.00	0.91	11.10	1765.81	1765.81	1919.09	-153.27
58+0.000	919.280	919.230	5.00	0.10	0.50	0.50	0.42	6.65	1766.31	1766.31	1925.73	-159.42
58+10.000	919.471	919.466	5.00	0.17	1.36	1.36	0.20	3.09	1767.67	1767.67	1928.83	-161.15
59+0.000	919.687	919.702	5.00	0.24	2.07	2.07	0.13	1.66	1769.75	1769.75	1930.49	-160.74
59+10.000	919.915	919.939	5.00	0.27	2.58	2.58	0.11	1.24	1772.32	1772.32	1931.72	-159.40
60+0.000	920.144	920.175	5.00	0.30	2.87	2.87	0.09	1.04	1775.20	1775.20	1932.76	-157.56
60+10.000	920.372	920.411	5.00	0.33	3.18	3.18	0.08	0.86	1778.38	1778.38	1933.62	-155.24
61+0.000	920.601	920.647	5.00	0.37	3.52	3.52	0.06	0.69	1781.90	1781.90	1934.31	-152.41
61+10.000	920.829	920.885	5.00	0.41	3.88	3.88	0.04	0.53	1785.78	1785.78	1934.84	-149.06
62+0.000	921.058	921.123	5.00	0.45	4.30	4.30	0.03	0.37	1790.07	1790.07	1935.21	-145.14
62+10.000	921.286	921.362	5.00	0.50	4.78	4.78	0.02	0.24	1794.86	1794.86	1935.46	-140.60
63+0.000	921.515	921.600	5.00	0.56	5.31	5.31	0.01	0.14	1800.17	1800.17	1935.60	-135.43
63+10.000	921.743	921.838	5.00	0.62	5.87	5.87	0.00	0.07	1806.04	1806.04	1935.67	-129.63
64+0.000	921.972	922.076	5.00	0.68	6.46	6.46	0.00	0.02	1812.50	1812.50	1935.69	-123.19
64+10.000	922.200	922.315	5.00	0.74	7.07	7.07	0.00	0.00	1819.56	1819.56	1935.69	-116.13
65+0.000	922.429	922.590	5.00	0.85	7.92	7.92	0.01	0.05	1827.49	1827.49	1935.75	-108.26
65+10.000	922.657	922.956	5.00	1.51	11.81	11.81	0.00	0.05	1839.30	1839.30	1935.80	-96.50
66+0.000	922.886	923.321	5.00	2.44	19.76	19.76	0.00	0.00	1859.06	1859.06	1935.80	-76.74
66+10.000	923.114	923.687	5.00	3.46	29.47	29.47	0.00	0.00	1888.53	1888.53	1935.81	-47.27
67+0.000	923.343	924.020	5.00	4.19	38.33	38.33	0.00	0.00	1926.86	1926.86	1935.81	-8.95
67+10.000	923.571	924.351	5.00	4.84	45.05	45.05	0.00	0.00	1971.91	1971.91	1935.81	36.10
68+0.000	923.800	924.492	5.00	4.53	46.98	46.98	0.00	0.00	2018.90	2018.90	1935.81	83.08


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68+10.000	924.028	924.647	5.00	3.98	42.56	42.56	0.02	0.11	2061.46	2061.46	1935.92	125.54
69+0.000	924.257	924.780	5.00	3.47	37.28	37.28	0.04	0.30	2098.74	2098.74	1936.22	162.52
69+10.000	924.485	924.862	5.00	2.65	30.61	30.61	0.00	0.18	2129.36	2129.36	1936.40	192.95
70+0.000	924.714	924.973	5.00	1.64	21.52	21.52	0.03	0.14	2150.88	2150.88	1936.55	214.33
70+10.000	924.938	925.092	5.00	0.95	12.96	12.96	0.00	0.15	2163.84	2163.84	1936.70	227.15
71+0.000	925.142	925.211	5.00	0.43	6.87	6.87	0.02	0.09	2170.72	2170.72	1936.78	233.93
71+10.000	925.325	925.318	5.00	0.14	2.85	2.85	0.17	0.92	2173.56	2173.56	1937.71	235.86
72+0.000	925.486	925.419	5.00	0.02	0.78	0.78	0.23	1.98	2174.34	2174.34	1939.69	234.65
72+10.000	925.631	925.549	5.00	0.05	0.33	0.33	0.16	1.94	2174.67	2174.67	1941.63	233.04
73+0.000	925.773	925.678	5.00	0.10	0.75	0.75	0.10	1.28	2175.43	2175.43	1942.91	232.52
73+10.000	925.916	925.806	5.00	0.43	2.64	2.64	0.28	1.85	2178.07	2178.07	1944.76	233.31
74+0.000	926.058	925.912	5.00	0.37	3.90	3.90	0.53	3.98	2181.97	2181.97	1948.73	233.24
74+10.000	926.201	926.026	5.00	0.09	1.99	1.99	0.59	5.56	2183.96	2183.96	1954.29	229.67
75+0.000	926.344	926.184	5.00	0.00	0.45	0.45	0.80	6.85	2184.41	2184.41	1961.14	223.27
75+10.000	926.486	926.328	5.00	0.07	0.33	0.33	0.53	6.59	2184.74	2184.74	1967.73	217.01
76+0.000	926.629	926.561	5.00	0.01	0.41	0.41	0.18	3.57	2185.15	2185.15	1971.30	213.85
76+10.000	926.763	926.609	5.00	0.00	0.07	0.07	0.95	5.67	2185.22	2185.22	1976.98	208.24
77+0.000	926.809	926.589	5.00	0.00	0.01	0.01	1.45	11.97	2185.23	2185.23	1988.94	196.29
77+10.000	926.749	926.498	5.00	0.00	0.01	0.01	1.64	15.43	2185.25	2185.25	2004.37	180.88
78+0.000	926.581	926.357	5.00	0.02	0.08	0.08	1.46	15.44	2185.32	2185.32	2019.81	165.51
78+10.000	926.314	926.207	5.00	0.02	0.18	0.18	0.64	10.48	2185.50	2185.50	2030.29	155.21
79+0.000	926.028	926.074	5.00	0.33	1.74	1.74	0.00	3.20	2187.25	2187.25	2033.49	153.76
79+10.000	925.742	925.891	5.00	0.95	6.40	6.40	0.00	0.00	2193.65	2193.65	2033.49	160.16
80+0.000	925.456	925.683	5.00	1.45	11.99	11.99	0.00	0.00	2205.64	2205.64	2033.49	172.15
80+10.000	925.169	925.459	5.00	1.84	16.43	16.43	0.00	0.01	2222.07	2222.07	2033.50	188.57
81+0.000	924.883	925.213	5.00	2.07	19.53	19.53	0.00	0.04	2241.60	2241.60	2033.54	208.05
81+10.000	924.597	924.946	5.00	2.27	21.67	21.67	0.00	0.04	2263.27	2263.27	2033.58	229.69
82+0.000	924.311	924.628	5.00	2.21	22.44	22.44	0.00	0.00	2285.71	2285.71	2033.59	252.12
82+10.000	924.025	924.294	5.00	1.93	20.72	20.72	0.00	0.00	2306.43	2306.43	2033.59	272.85
83+0.000	923.739	923.948	5.00	1.51	17.18	17.18	0.00	0.03	2323.62	2323.62	2033.62	290.00
83+10.000	923.453	923.522	5.00	0.73	11.16	11.16	0.00	0.03	2334.77	2334.77	2033.65	301.13
84+0.000	923.167	923.097	5.00	0.09	4.07	4.07	0.24	1.20	2338.85	2338.85	2034.85	304.00
84+10.000	922.880	922.700	5.00	0.01	0.46	0.46	0.67	4.61	2339.30	2339.30	2039.46	299.84
85+0.000	922.594	922.348	5.00	0.01	0.11	0.11	1.06	8.64	2339.41	2339.41	2048.10	291.31
85+10.000	922.308	922.064	5.00	0.00	0.05	0.05	1.06	10.69	2339.46	2339.46	2058.79	280.67
86+0.000	922.022	921.782	5.00	0.02	0.09	0.09	1.10	10.83	2339.56	2339.56	2069.62	269.93
86+10.000	921.736	921.480	5.00	0.05	0.34	0.34	1.20	11.52	2339.89	2339.89	2081.14	258.75
87+0.000	921.450	921.185	5.00	0.00	0.26	0.26	1.30	12.53	2340.16	2340.16	2093.67	246.48
87+10.000	921.164	920.852	5.00	0.00	0.02	0.02	2.06	16.79	2340.18	2340.18	2110.46	229.71
88+0.000	920.877	920.409	5.00	0.03	0.16	0.16	3.24	26.49	2340.33	2340.33	2136.95	203.38
88+10.000	920.591	919.988	5.00	0.00	0.17	0.17	4.69	39.75	2340.50	2340.50	2176.70	163.80
89+0.000	920.245	919.561	5.00	0.00	0.04	0.04	6.08	53.93	2340.54	2340.54	2230.63	109.91
89+10.000	919.718	919.061	5.00	0.02	0.11	0.11	5.85	59.63	2340.64	2340.64	2290.26	50.39
90+0.000	919.007	918.450	5.00	0.09	0.56	0.56	4.25	50.37	2341.20	2341.20	2340.63	0.57
90+10.000	918.113	917.752	5.00	0.61	3.62	3.62	2.48	33.51	2344.83	2344.83	2374.14	-29.32
91+0.000	917.094	916.924	5.00	0.93	7.69	7.69	0.98	17.30	2352.52	2352.52	2391.44	-38.92
91+10.000	916.073	916.111	5.00	1.30	11.43	11.43	0.13	5.49	2363.95	2363.95	2396.93	-32.98
92+0.000	915.051	915.311	5.00	2.65	19.76	19.76	0.00	0.66	2383.71	2383.71	2397.59	-13.88
92+10.000	914.029	914.324	5.00	3.27	30.03	30.03	0.00	0.01	2413.73	2413.73	2397.60	16.13
93+0.000	913.008	913.308	5.00	3.41	35.00	35.00	0.05	0.24	2448.74	2448.74	2397.84	50.90
93+10.000	911.986	912.265	5.00	2.21	28.08	28.08	0.03	0.43	2476.82	2476.82	2398.26	78.55
94+0.000	910.964	911.095	5.00	1.36	17.91	17.91	0.00	0.14	2494.73	2494.73	2398.41	96.32
94+10.000	909.943	909.969	5.00	0.35	8.52	8.52	0.01	0.06	2503.25	2503.25	2398.47	104.78
95+0.000	908.921	908.931	5.00	0.23	2.89	2.89	0.17	0.89	2506.14	2506.14	2399.36	106.78
95+10.000	907.899	907.900	5.00	0.25	2.41	2.41	0.15	1.61	2508.55	2508.55	2400.97	107.59
95+17.668	907.116	907.116	3.83	0.13	1.46	1.46	0.00	0.59	2510.01	2510.01	2401.56	108.45

Relatório de Volumes

RAMAL SITIO PASSAGEM DAS PEDRAS

Estaca Inicial: 0+0.000

Estaca Final: 55+17,15

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	869.251	869.251	0.00	0.55	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
0+10.000	869.926	869.946	5.00	0.87	7.08	7.08	0.00	0.13	7.08	7.08	0.13	6.94
1+0.000	870.600	870.661	5.00	1.12	9.88	9.88	0.00	0.00	16.96	16.96	0.13	16.83
1+10.000	871.275	871.322	5.00	0.94	10.29	10.29	0.00	0.00	27.25	27.25	0.13	27.11
2+0.000	871.949	871.959	5.00	0.54	7.42	7.42	0.00	0.00	34.67	34.67	0.13	34.53
2+10.000	872.624	872.587	5.00	0.16	3.50	3.50	0.09	0.43	38.16	38.16	0.57	37.60
3+0.000	873.299	873.199	5.00	0.00	0.79	0.79	0.41	2.47	38.95	38.95	3.04	35.91
3+10.000	873.973	873.793	5.00	0.00	0.00	0.00	1.05	7.27	38.95	38.95	10.31	28.64
4+0.000	874.648	874.395	5.00	0.00	0.00	0.00	1.65	13.49	38.95	38.95	23.81	15.14
4+10.000	875.323	875.029	5.00	0.00	0.00	0.00	1.93	17.90	38.95	38.95	41.71	-2.76
5+0.000	875.997	875.680	5.00	0.00	0.00	0.00	2.09	20.08	38.95	38.95	61.79	-22.84
5+10.000	876.672	876.360	5.00	0.00	0.00	0.00	1.89	19.89	38.95	38.95	81.67	-42.72
6+0.000	877.346	877.190	5.00	0.00	0.03	0.03	0.85	13.70	38.98	38.98	95.37	-56.39
6+10.000	878.021	878.080	5.00	0.58	2.94	2.94	0.10	4.77	41.92	41.92	100.14	-58.22
7+0.000	878.696	878.983	5.00	1.92	12.52	12.52	0.00	0.50	54.44	54.44	100.64	-46.20
7+10.000	879.370	879.608	5.00	1.60	17.62	17.62	0.00	0.00	72.06	72.06	100.64	-28.58
8+0.000	880.045	880.260	5.00	1.49	15.47	15.47	0.00	0.00	87.53	87.53	100.64	-13.11
8+10.000	880.720	880.937	5.00	1.44	14.65	14.65	0.00	0.00	102.18	102.18	100.64	1.54
9+0.000	881.394	881.573	5.00	0.83	11.35	11.35	0.00	0.00	113.53	113.53	100.64	12.89
9+10.000	882.069	882.247	5.00	0.61	7.20	7.20	0.02	0.09	120.73	120.73	100.73	20.00
10+0.000	882.727	882.885	5.00	0.51	5.60	5.60	0.01	0.16	126.33	126.33	100.90	25.44
10+10.000	883.305	883.398	5.00	0.38	4.45	4.45	0.00	0.07	130.78	130.78	100.97	29.81
11+0.000	883.797	883.872	5.00	0.36	3.68	3.68	0.00	0.00	134.46	134.46	100.97	33.49
11+10.000	884.202	884.295	5.00	0.51	4.34	4.34	0.00	0.00	138.80	138.80	100.97	37.83
12+0.000	884.536	884.631	5.00	0.62	5.65	5.65	0.00	0.00	144.45	144.45	100.97	43.48
12+10.000	884.864	884.899	5.00	0.32	4.71	4.71	0.00	0.00	149.16	149.16	100.97	48.19
13+0.000	885.192	884.980	5.00	0.00	1.62	1.62	1.24	6.19	150.77	150.77	107.16	43.61
13+10.000	885.520	885.151	5.00	0.00	0.00	0.00	2.44	18.40	150.77	150.77	125.56	25.21
14+0.000	885.848	885.390	5.00	0.00	0.00	0.00	3.13	27.85	150.77	150.77	153.41	-2.64
14+10.000	886.176	885.611	5.00	0.00	0.00	0.00	3.99	35.57	150.77	150.77	188.98	-38.21
15+0.000	886.504	885.842	5.00	0.00	0.00	0.00	4.84	44.12	150.77	150.77	233.10	-82.32
15+10.000	886.832	886.085	5.00	0.00	0.00	0.00	5.59	52.16	150.77	150.77	285.26	-134.49
16+0.000	887.160	886.344	5.00	0.00	0.00	0.00	6.26	59.29	150.77	150.77	344.55	-193.78
16+10.000	887.488	886.619	5.00	0.00	0.00	0.00	6.82	65.41	150.77	150.77	409.95	-259.18
17+0.000	887.816	886.926	5.00	0.00	0.00	0.00	7.02	69.20	150.77	150.77	479.16	-328.39
17+10.000	888.144	887.300	5.00	0.00	0.00	0.00	6.68	68.52	150.77	150.77	547.68	-396.91
18+0.000	888.472	887.687	5.00	0.00	0.00	0.00	6.11	63.93	150.77	150.77	611.62	-460.85
18+10.000	888.800	888.053	5.00	0.00	0.00	0.00	5.74	59.24	150.77	150.77	670.85	-520.08
19+0.000	889.128	888.425	5.00	0.00	0.00	0.00	5.41	55.78	150.77	150.77	726.63	-575.86
19+10.000	889.456	888.802	5.00	0.00	0.00	0.00	4.99	52.02	150.77	150.77	778.66	-627.89
20+0.000	889.784	889.203	5.00	0.00	0.00	0.00	4.38	46.87	150.77	150.77	825.52	-674.75
20+10.000	890.112	889.615	5.00	0.00	0.00	0.00	3.70	40.41	150.77	150.77	865.93	-715.16
21+0.000	890.440	890.035	5.00	0.00	0.00	0.00	2.95	33.29	150.77	150.77	899.23	-748.45
21+10.000	890.768	890.404	5.00	0.00	0.00	0.00	2.53	27.44	150.77	150.77	926.67	-775.90
22+0.000	891.096	890.733	5.00	0.00	0.00	0.00	2.40	24.69	150.77	150.77	951.36	-800.59
22+10.000	891.424	891.018	5.00	0.00	0.00	0.00	2.54	24.71	150.77	150.77	976.07	-825.30
23+0.000	891.752	891.400	5.00	0.00	0.00	0.00	2.24	23.87	150.77	150.77	999.94	-849.17
23+10.000	892.080	891.795	5.00	0.00	0.00	0.00	1.82	20.23	150.77	150.77	1020.17	-869.40
24+0.000	892.408	892.208	5.00	0.00	0.00	0.00	1.24	15.27	150.77	150.77	1035.44	-884.67
24+10.000	892.735	892.566	5.00	0.00	0.00	0.00	0.89	10.69	150.77	150.77	1046.13	-895.36
25+0.000	893.063	892.940	5.00	0.00	0.01	0.01	0.70	7.99	150.78	150.78	1054.12	-903.34
25+10.000	893.391	893.352	5.00	0.09	0.47	0.47	0.27	4.86	151.25	151.25	1058.98	-907.73
26+0.000	893.719	893.682	5.00	0.17	1.31	1.31	0.19	2.31	152.56	152.56	1061.29	-908.73
26+10.000	894.047	893.994	5.00	0.17	1.68	1.68	0.05	1.19	154.24	154.24	1062.48	-908.24
27+0.000	894.323	894.314	5.00	0.79	4.80	4.80	0.00	0.26	159.04	159.04	1062.74	-903.70
27+10.000	894.382	894.642	5.00	2.32	17.05	17.05	0.00	0.03	176.09	176.09	1062.77	-886.68
28+0.000	894.212	894.214	5.00	0.93	16.20	16.20	0.17	0.92	192.28	192.28	1063.69	-871.40
28+10.000	893.814	893.735	5.00	0.43	6.80	6.80	0.37	2.68	199.09	199.09	1066.37	-867.28
29+0.000	893.240	893.256	5.00	0.37	4.01	4.01	0.00	1.84	203.09	203.09	1068.21	-865.12
29+10.000	892.653	892.763	5.00	0.81	5.88	5.88	0.00	0.02	208.98	208.98	1068.23	-859.25


 JOTA BATROS PROJETOS
 Artista Moreira Torquato
 Engº Civil - CREA 539000 - CE

30+0.000	892.067	892.391	5.00	2.32	15.62	15.62	0.00	0.00	224.59	224.59	1068.23	-843.63
30+10.000	891.481	892.087	5.00	4.55	34.35	34.35	0.00	0.00	258.94	258.94	1068.23	-809.29
31+0.000	890.895	891.670	5.00	5.87	51.94	51.94	0.00	0.00	310.88	310.88	1068.23	-757.35
31+10.000	890.309	890.760	5.00	3.43	46.53	46.53	0.00	0.00	357.40	357.40	1068.23	-710.82
32+0.000	889.723	889.938	5.00	1.53	24.85	24.85	0.00	0.00	382.25	382.25	1068.23	-685.98
32+10.000	889.136	889.327	5.00	1.16	13.36	13.36	0.00	0.00	395.61	395.61	1068.23	-672.61
33+0.000	888.550	888.686	5.00	0.75	9.62	9.62	0.00	0.00	405.23	405.23	1068.23	-663.00
33+10.000	887.964	887.829	5.00	0.00	3.72	3.72	1.00	5.02	408.95	408.95	1073.25	-664.30
34+0.000	887.378	886.943	5.00	0.00	0.00	0.00	3.18	20.91	408.95	408.95	1094.16	-685.21
34+10.000	886.792	886.090	5.00	0.00	0.00	0.00	5.46	43.21	408.95	408.95	1137.37	-728.42
35+0.000	886.206	885.370	5.00	0.00	0.00	0.00	6.36	59.12	408.95	408.95	1196.48	-787.54
35+10.000	885.619	884.756	5.00	0.00	0.00	0.00	6.53	64.46	408.95	408.95	1260.94	-851.99
36+0.000	885.033	884.209	5.00	0.00	0.00	0.00	6.15	63.42	408.95	408.95	1324.36	-915.41
36+10.000	884.447	883.685	5.00	0.00	0.00	0.00	5.53	58.41	408.95	408.95	1382.77	-973.82
37+0.000	883.861	883.182	5.00	0.00	0.00	0.00	4.79	51.56	408.95	408.95	1434.33	-1025.38
37+10.000	883.275	882.782	5.00	0.00	0.00	0.00	3.53	41.62	408.95	408.95	1475.95	-1067.00
38+0.000	882.689	882.355	5.00	0.00	0.00	0.00	2.33	29.22	408.95	408.95	1505.17	-1096.22
38+10.000	882.102	881.890	5.00	0.00	0.00	0.00	1.34	18.29	408.95	408.95	1523.47	-1114.52
39+0.000	881.516	881.389	5.00	0.00	0.00	0.00	0.76	10.40	408.95	408.95	1533.87	-1124.92
39+10.000	880.967	880.859	5.00	0.00	0.00	0.00	1.06	9.04	408.95	408.95	1542.90	-1133.95
40+0.000	880.463	880.095	5.00	0.00	0.00	0.00	2.77	19.12	408.95	408.95	1562.03	-1153.08
40+10.000	879.959	879.399	5.00	0.00	0.00	0.00	3.83	32.97	408.95	408.95	1594.99	-1186.05
41+0.000	879.455	878.835	5.00	0.00	0.00	0.00	4.35	40.90	408.95	408.95	1635.89	-1226.94
41+10.000	878.951	878.249	5.00	0.00	0.00	0.00	5.11	47.34	408.95	408.95	1683.23	-1274.28
42+0.000	878.447	877.664	5.00	0.00	0.00	0.00	5.81	54.54	408.95	408.95	1737.76	-1328.82
42+10.000	877.943	877.096	5.00	0.00	0.00	0.00	6.40	61.02	408.95	408.95	1798.78	-1389.83
43+0.000	877.439	876.570	5.00	0.00	0.00	0.00	6.52	64.60	408.95	408.95	1863.39	-1454.44
43+10.000	876.935	876.101	5.00	0.00	0.00	0.00	5.92	62.21	408.95	408.95	1925.60	-1516.65
44+0.000	876.431	875.802	5.00	0.00	0.00	0.00	4.15	50.37	408.95	408.95	1975.97	-1567.02
44+10.000	875.927	875.444	5.00	0.00	0.00	0.00	3.08	36.14	408.95	408.95	2012.11	-1603.16
45+0.000	875.423	875.058	5.00	0.00	0.00	0.00	2.19	26.33	408.95	408.95	2038.44	-1629.49
45+10.000	874.919	874.680	5.00	0.00	0.00	0.00	1.31	17.49	408.95	408.95	2055.93	-1646.98
46+0.000	874.415	874.300	5.00	0.00	0.00	0.00	0.52	9.14	408.95	408.95	2065.07	-1656.12
46+10.000	873.911	873.913	5.00	0.14	0.69	0.69	0.00	2.58	409.64	409.64	2067.66	-1658.02
47+0.000	873.407	873.414	5.00	0.17	1.53	1.53	0.00	0.00	411.17	411.17	2067.66	-1656.49
47+10.000	872.903	872.913	5.00	0.29	2.28	2.28	0.00	0.00	413.45	413.45	2067.66	-1654.20
48+0.000	872.419	872.394	5.00	0.58	4.36	4.36	0.09	0.44	417.81	417.81	2068.09	-1650.28
48+10.000	872.054	871.937	5.00	0.46	5.15	5.15	0.41	2.52	422.96	422.96	2070.61	-1647.65
49+0.000	871.821	871.520	5.00	0.11	2.85	2.85	1.83	11.26	425.81	425.81	2081.87	-1656.06
49+10.000	871.719	870.827	5.00	0.00	0.56	0.56	4.44	31.33	426.37	426.37	2113.20	-1686.83
50+0.000	871.728	870.374	5.00	0.00	0.00	0.00	6.96	57.51	426.37	426.37	2170.71	-1744.34
50+10.000	871.750	870.162	5.00	0.00	0.00	0.00	9.37	81.68	426.37	426.37	2252.39	-1826.02
51+0.000	871.770	870.088	5.00	0.00	0.00	0.00	11.95	106.28	426.37	426.37	2358.66	-1932.29
51+10.000	871.777	870.155	5.00	0.00	0.00	0.00	13.71	127.96	426.37	426.37	2486.62	-2060.25
52+1.874	871.770	870.229	5.94	0.00	0.00	0.00	12.72	132.11	426.37	426.37	2618.73	-2192.36
52+11.874	871.750	870.458	5.00	0.00	0.00	0.00	9.42	110.73	426.37	426.37	2729.46	-2303.09
53+1.874	871.719	870.775	5.00	0.00	0.00	0.00	6.45	79.43	426.37	426.37	2808.88	-2382.51
53+11.874	871.696	871.073	5.00	0.00	0.00	0.00	3.77	51.21	426.37	426.37	2860.09	-2433.72
54+1.874	871.728	871.360	5.00	0.00	0.00	0.00	1.89	28.33	426.37	426.37	2888.42	-2462.05
54+11.874	871.821	871.637	5.00	0.00	0.00	0.00	0.64	12.64	426.37	426.37	2901.06	-2474.69
55+1.874	871.977	871.882	5.00	0.35	1.73	1.73	0.33	4.84	428.10	428.10	2905.90	-2477.80


 JOTA BATROS PROJETOS
 Artur Moreira Torquato
 Engº Civil - CREA 539000 - CE

55+17,15	872.192	872.181	5.00	0.76	5.56	5.56	0.00	1.66	433.66	433.66	2907.56	-2473.90
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 JOTABARROS PROJETOS
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE

Relatório de Volumes

TRECHO MARTINSLANDIA SENTIDO CORREGO

Estaca Inicial: 28

Estaca Final: 150+8,33

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
28+0.000	705.204	705.113	5,00	0,00	0,00	0,00	0,28	3,18	70,10	70,10	487,71	-417,62
28+10.000	705.234	705.170	5,00	0,02	0,11	0,11	0,14	2,11	70,21	70,21	489,83	-419,62
29+0.000	705.263	705.262	5,00	0,27	1,46	1,46	0,00	0,69	71,67	71,67	490,52	-418,86
29+10.000	705.293	705.381	5,00	0,85	5,59	5,59	0,00	0,00	77,25	77,25	490,52	-413,27
30+0.000	705.322	705.558	5,00	1,88	13,64	13,64	0,00	0,00	90,89	90,89	490,52	-399,63
30+10.000	705.351	705.665	5,00	2,47	21,76	21,76	0,00	0,00	112,65	112,65	490,52	-377,87
31+0.000	705.381	705.724	5,00	2,70	25,84	25,84	0,00	0,00	138,49	138,49	490,52	-352,04
31+10.000	705.410	705.783	5,00	2,93	28,11	28,11	0,00	0,00	166,60	166,60	490,52	-323,93
32+0.000	705.440	705.842	5,00	3,16	30,42	30,42	0,00	0,00	197,02	197,02	490,52	-293,51
32+10.000	705.469	705.910	5,00	3,47	33,15	33,15	0,00	0,00	230,17	230,17	490,52	-260,35
33+0.000	705.499	705.978	5,00	3,70	35,86	35,86	0,00	0,00	266,03	266,03	490,52	-224,49
33+10.000	705.528	705.952	5,00	3,29	34,93	34,93	0,00	0,00	300,97	300,97	490,52	-189,56
34+0.000	705.557	705.941	5,00	3,00	31,41	31,41	0,00	0,00	332,38	332,38	490,52	-158,15
34+10.000	705.587	705.948	5,00	2,88	29,39	29,39	0,00	0,00	361,76	361,76	490,52	-128,76
35+0.000	705.616	705.985	5,00	2,85	28,66	28,66	0,00	0,00	390,42	390,42	490,52	-100,10
35+10.000	705.646	705.990	5,00	2,55	26,99	26,99	0,00	0,00	417,41	417,41	490,52	-73,11
36+0.000	705.675	705.945	5,00	2,06	23,03	23,03	0,00	0,00	440,44	440,44	490,52	-50,08
36+10.000	705.705	705.924	5,00	1,69	18,72	18,72	0,00	0,00	459,16	459,16	490,52	-31,36
37+0.000	705.734	705.905	5,00	1,34	15,15	15,15	0,00	0,00	474,31	474,31	490,52	-16,21
37+10.000	705.763	705.885	5,00	0,97	11,58	11,58	0,00	0,00	485,90	485,90	490,52	-4,63
38+0.000	705.793	705.855	5,00	0,55	7,63	7,63	0,00	0,00	493,52	493,52	490,52	3,00
38+10.000	705.811	705.822	5,00	0,19	3,70	3,70	0,03	0,13	497,23	497,23	490,65	6,57
39+0.000	705.798	705.783	5,00	0,11	1,52	1,52	0,11	0,69	498,74	498,74	491,34	7,40
39+10.000	705.751	705.754	5,00	0,16	1,34	1,34	0,08	0,94	500,08	500,08	492,28	7,80
40+0.000	705.672	705.734	5,00	0,45	3,03	3,03	0,00	0,38	503,12	503,12	492,67	10,45
40+10.000	705.572	705.677	5,00	0,80	6,24	6,24	0,00	0,00	509,36	509,36	492,67	16,69
41+0.000	705.470	705.589	5,00	0,98	8,90	8,90	0,00	0,00	518,26	518,26	492,67	25,59
41+10.000	705.369	705.457	5,00	0,83	9,07	9,07	0,00	0,00	527,33	527,33	492,67	34,66
42+0.000	705.268	705.360	5,00	0,77	8,02	8,02	0,00	0,00	535,35	535,35	492,67	42,68
42+10.000	705.166	705.270	5,00	0,84	8,04	8,04	0,00	0,00	543,38	543,38	492,67	50,72
43+0.000	705.065	705.186	5,00	0,94	8,90	8,90	0,00	0,00	552,28	552,28	492,67	59,62
43+10.000	704.964	705.123	5,00	1,13	10,37	10,37	0,00	0,00	562,66	562,66	492,67	69,99
44+0.000	704.862	705.065	5,00	1,42	12,74	12,74	0,00	0,00	575,40	575,40	492,67	82,73
44+10.000	704.761	704.989	5,00	1,61	15,11	15,11	0,00	0,00	590,51	590,51	492,67	97,84
45+0.000	704.660	704.904	5,00	1,75	16,79	16,79	0,00	0,00	607,30	607,30	492,67	114,64
45+10.000	704.558	704.811	5,00	1,83	17,94	17,94	0,00	0,00	625,24	625,24	492,67	132,57
46+0.000	704.457	704.686	5,00	1,70	17,68	17,68	0,00	0,00	642,92	642,92	492,67	150,25
46+10.000	704.356	704.577	5,00	1,59	16,47	16,47	0,00	0,00	659,39	659,39	492,67	166,72
47+0.000	704.255	704.488	5,00	1,63	16,07	16,07	0,00	0,00	675,46	675,46	492,67	182,80
47+10.000	704.153	704.364	5,00	1,52	15,75	15,75	0,00	0,00	691,22	691,22	492,67	198,55
48+0.000	704.052	704.233	5,00	1,29	14,10	14,10	0,00	0,00	705,31	705,31	492,67	212,65
48+10.000	703.951	704.109	5,00	1,04	11,70	11,70	0,00	0,00	717,01	717,01	492,67	224,35
49+0.000	703.849	703.944	5,00	0,59	8,21	8,21	0,00	0,00	725,23	725,23	492,67	232,56
49+10.000	703.748	703.744	5,00	0,16	3,77	3,77	0,21	1,02	729,00	729,00	493,69	235,31
50+0.000	703.647	703.461	5,00	0,00	0,81	0,81	1,03	6,18	729,81	729,81	499,87	229,94
50+10.000	703.545	703.215	5,00	0,00	0,00	0,00	1,91	14,67	729,81	729,81	514,54	215,27
51+0.000	703.429	703.017	5,00	0,00	0,00	0,00	2,67	22,89	729,81	729,81	537,43	192,38
51+10.000	703.275	702.754	5,00	0,00	0,00	0,00	3,49	30,81	729,81	729,81	568,23	161,58
52+0.000	703.083	702.491	5,00	0,00	0,00	0,00	4,00	37,45	729,81	729,81	605,68	124,13
52+10.000	702.854	702.244	5,00	0,00	0,00	0,00	4,22	41,12	729,81	729,81	646,81	83,00
53+0.000	702.604	701.982	5,00	0,00	0,00	0,00	4,32	42,72	729,81	729,81	689,53	40,28
53+10.000	702.353	701.721	5,00	0,00	0,00	0,00	4,35	43,32	729,81	729,81	732,84	-3,03
54+0.000	702.102	701.478	5,00	0,00	0,00	0,00	4,24	42,94	729,81	729,81	775,78	-45,97
54+10.000	701.851	701.246	5,00	0,00	0,00	0,00	4,06	41,48	729,81	729,81	817,26	-87,45
55+0.000	701.600	701.021	5,00	0,00	0,00	0,00	3,86	39,59	729,81	729,81	856,85	-127,04
55+10.000	701.349	700.783	5,00	0,00	0,00	0,00	3,78	38,21	729,81	729,81	895,07	-165,26
56+0.000	701.098	700.536	5,00	0,00	0,00	0,00	3,82	38,01	729,81	729,81	933,07	-203,26
56+10.000	700.848	700.258	5,00	0,00	0,00	0,00	3,96	38,92	729,81	729,81	971,99	-242,18
57+0.000	700.597	700.001	5,00	0,00	0,00	0,00	4,00	39,80	729,81	729,81	1011,79	-281,98
57+10.000	700.346	699.741	5,00	0,00	0,00	0,00	4,14	40,66	729,81	729,81	1052,45	-322,64


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58+0.000	700.095	699.445	5,00	0,00	0,00	0,00	0,00	4,45	42,92	729,81	729,81	1095,37	-365,56
58+10.000	699.844	699.173	5,00	0,00	0,00	0,00	0,00	4,60	45,25	729,81	729,81	1140,62	-410,81
59+0.000	699.593	698.913	5,00	0,00	0,00	0,00	0,00	4,76	46,84	729,81	729,81	1187,46	-457,65
59+10.000	699.342	698.648	5,00	0,00	0,00	0,00	0,00	4,75	47,57	729,81	729,81	1235,03	-505,22
60+0.000	699.092	698.392	5,00	0,00	0,00	0,00	0,00	4,43	45,92	729,81	729,81	1280,95	-551,14
60+10.000	698.841	698.145	5,00	0,00	0,00	0,00	0,00	4,39	44,11	729,81	729,81	1325,06	-595,25
61+0.000	698.590	697.926	5,00	0,00	0,00	0,00	0,00	4,21	43,00	729,81	729,81	1368,07	-638,26
61+10.000	698.339	697.710	5,00	0,00	0,00	0,00	0,00	3,90	40,53	729,81	729,81	1408,59	-678,78
62+0.000	698.088	697.515	5,00	0,00	0,00	0,00	0,00	3,52	37,09	729,81	729,81	1445,68	-715,87
62+10.000	697.837	697.294	5,00	0,00	0,00	0,00	0,00	3,23	33,75	729,81	729,81	1479,43	-749,62
63+0.000	697.586	697.081	5,00	0,00	0,00	0,00	0,00	2,93	30,80	729,81	729,81	1510,23	-780,42
63+10.000	697.336	696.890	5,00	0,00	0,00	0,00	0,00	2,53	27,32	729,81	729,81	1537,55	-807,74
64+0.000	697.085	696.711	5,00	0,00	0,00	0,00	0,00	2,07	23,02	729,81	729,81	1560,56	-830,75
64+10.000	696.834	696.534	5,00	0,00	0,00	0,00	0,00	1,56	18,17	729,81	729,81	1578,73	-848,92
65+0.000	696.583	696.357	5,00	0,00	0,00	0,00	0,00	1,07	13,20	729,81	729,81	1591,92	-862,11
65+10.000	696.332	696.189	5,00	0,00	0,00	0,00	0,00	0,67	8,71	729,81	729,81	1600,63	-870,82
66+0.000	696.081	696.007	5,00	0,04	0,18	0,18	0,41	5,39	729,99	729,99	1606,02	-876,03	
66+10.000	695.830	695.740	5,00	0,02	0,28	0,28	0,37	3,91	730,27	730,27	1609,93	-879,66	
67+0.000	695.580	695.452	5,00	0,00	0,09	0,09	0,45	4,09	730,37	730,37	1614,02	-883,66	
67+10.000	695.329	695.180	5,00	0,00	0,00	0,00	0,55	4,99	730,37	730,37	1619,01	-888,65	
68+0.000	695.078	694.922	5,00	0,00	0,00	0,00	0,52	5,34	730,37	730,37	1624,35	-893,99	
68+10.000	694.827	694.692	5,00	0,00	0,00	0,00	0,40	4,61	730,37	730,37	1628,97	-898,59	
69+0.000	694.576	694.477	5,00	0,01	0,08	0,08	0,24	3,24	730,45	730,45	1632,21	-901,76	
69+10.000	694.325	694.246	5,00	0,05	0,32	0,32	0,15	2,00	730,77	730,77	1634,20	-903,43	
70+0.000	694.074	694.011	5,00	0,10	0,75	0,75	0,10	1,26	731,53	731,53	1635,46	-903,93	
70+10.000	693.823	693.772	5,00	0,14	1,20	1,20	0,06	0,81	732,73	732,73	1636,26	-903,53	
71+0.000	693.573	693.564	5,00	0,31	2,25	2,25	0,00	0,33	734,98	734,98	1636,60	-901,62	
71+10.000	693.322	693.330	5,00	0,46	3,82	3,82	0,00	0,01	738,80	738,80	1636,61	-897,80	
72+0.000	693.071	693.061	5,00	0,34	3,97	3,97	0,00	0,01	742,77	742,77	1636,62	-893,85	
72+10.000	692.820	692.816	5,00	0,34	3,37	3,37	0,00	0,02	746,14	746,14	1636,64	-890,50	
73+0.000	692.569	692.573	5,00	0,40	3,67	3,67	0,00	0,00	749,81	749,81	1636,64	-886,83	
73+10.000	692.318	692.322	5,00	0,40	3,98	3,98	0,00	0,00	753,79	753,79	1636,64	-882,85	
74+0.000	692.067	692.058	5,00	0,33	3,67	3,67	0,00	0,01	757,46	757,46	1636,65	-879,19	
74+10.000	691.817	691.791	5,00	0,23	2,82	2,82	0,02	0,11	760,29	760,29	1636,76	-876,48	
75+0.000	691.566	691.607	5,00	0,58	4,04	4,04	0,00	0,10	764,32	764,32	1636,86	-872,54	
75+10.000	691.315	691.429	5,00	1,05	8,16	8,16	0,00	0,00	772,48	772,48	1636,86	-864,38	
76+0.000	691.064	691.257	5,00	1,61	13,30	13,30	0,00	0,00	785,78	785,78	1636,86	-851,08	
76+10.000	690.813	690.991	5,00	1,59	16,01	16,01	0,00	0,00	801,79	801,79	1636,86	-835,07	
77+0.000	690.562	690.747	5,00	1,61	15,99	15,99	0,00	0,00	817,78	817,78	1636,86	-819,08	
77+10.000	690.311	690.526	5,00	1,83	17,19	17,19	0,00	0,00	834,97	834,97	1636,86	-801,89	
78+0.000	690.061	690.302	5,00	2,03	19,25	19,25	0,00	0,00	854,22	854,22	1636,86	-782,65	
78+10.000	689.810	690.080	5,00	2,24	21,31	21,31	0,00	0,00	875,52	875,52	1636,86	-761,34	
79+0.000	689.559	689.866	5,00	2,52	23,79	23,79	0,00	0,00	899,31	899,31	1636,86	-737,55	
79+10.000	689.308	689.672	5,00	2,91	27,15	27,15	0,00	0,00	926,47	926,47	1636,86	-710,40	
80+0.000	689.057	689.480	5,00	3,40	31,54	31,54	0,00	0,00	958,01	958,01	1636,86	-678,85	
80+10.000	688.806	689.202	5,00	3,29	33,43	33,43	0,00	0,00	991,44	991,44	1636,86	-645,43	
81+0.000	688.555	688.979	5,00	3,58	34,38	34,38	0,00	0,00	1025,82	1025,82	1636,86	-611,04	
81+10.000	688.305	688.801	5,00	3,86	37,19	37,19	0,00	0,00	1063,01	1063,01	1636,86	-573,85	
82+0.000	688.054	688.588	5,00	4,19	40,22	40,22	0,00	0,00	1103,23	1103,23	1636,86	-533,63	
82+10.000	687.803	688.371	5,00	4,50	43,37	43,37	0,00	0,00	1146,60	1146,60	1636,86	-490,26	
83+0.000	687.552	688.145	5,00	4,72	46,10	46,10	0,00	0,00	1192,71	1192,71	1636,86	-444,16	
83+10.000	687.301	687.966	5,00	5,31	50,15	50,15	0,00	0,00	1242,86	1242,86	1636,86	-394,01	
84+0.000	687.050	687.801	5,00	6,05	56,70	56,70	0,00	0,00	1299,55	1299,55	1636,86	-337,31	
84+10.000	686.799	687.610	5,00	6,64	63,43	63,43	0,00	0,00	1362,98	1362,98	1636,86	-273,88	
85+0.000	686.548	687.441	5,00	7,47	70,40	70,40	0,00	0,00	1433,38	1433,38	1636,86	-203,48	
85+10.000	686.298	687.294	5,00	8,49	79,78	79,78	0,00	0,00	1513,16	1513,16	1636,86	-123,70	
86+0.000	686.047	687.051	5,00	8,73	86,03	86,03	0,00	0,00	1599,19	1599,19	1636,86	-37,67	
86+10.000	685.796	686.749	5,00	8,57	86,77	86,77	0,00	0,00	1685,96	1685,96	1636,86	49,10	
87+0.000	685.545	686.369	5,00	7,29	79,27	79,27	0,00	0,00	1765,23	1765,23	1636,86	128,37	
87+10.000	685.294	686.019	5,00	6,41	68,57	68,57	0,00	0,00	1833,80	1833,80	1636,86	196,94	
88+0.000	685.043	685.698	5,00	5,58	59,97	59,97	0,00	0,00	1893,77	1893,77	1636,86	256,91	
88+10.000	684.792	685.432	5,00	5,42	55,00	55,00	0,00	0,00	1948,77	1948,77	1636,86	311,91	
89+0.000	684.542	685.208	5,00	5,52	54,59	54,59	0,00	0,00	2003,36	2003,36	1636,86	366,50	
89+10.000	684.291	685.003	5,00	5,87	56,91	56,91	0,00	0,00	2060,27	2060,27	1636,86	423,41	
90+0.000	684.040	684.826	5,00	6,57	62,22	62,22	0,00	0,00	2122,49	2122,49	1636,86	485,63	
90+10.000	683.789	684.667	5,00	7,39	69,75	69,75	0,00	0,00	2192,24	2192,24	1636,86	555,38	
91+0.000	683.538	684.521	5,00	8,42	79,02	79,02	0,00	0,00	2271,26	2271,26	1636,86	634,40	
91+10.000	683.287	684.370	5,00	9,52	89,77	89,77	0,00	0,00	2361,03	2361,03	1636,86	724,17	
92+0.000	683.036	684.236	5,00	10,40	100,82	100,82	0,00	0,00	2461,85	2461,85	1636,86	824,99	
92+10.000	682.786	684.099	5,00	11,79	112,37	112,37	0,00	0,00	2574,22	2574,22	1636,86	937,36	
93+0.000	682.535	683.709	5,00	10,17	110,09	110,09	0,00	0,00	2684,31	2684,31	1636,86	1047,45	
93+10.000	682.284	683.350	5,00	9,27	97,10	97,10	0,00	0,00	2781,41	2781,41	1636,86	1144,55	
94+0.000	682.033	683.026	5,00	8,73	89,98	89,98	0,00	0,00	2871,39	2871,39	1636,86	1234,53	
94+10.000	681.782	682.761	5,00	8,57	86,54	86,54	0,00	0,00	2957,92	2957,92	1636,86	1321,06	
95+0.000	681.531	682.456	5,00	8,00	82,92	82,92	0,00	0,00	3040,84	3040,84	1636,86	1403,98	
95+10.000	681.280	682.106	5,00	7,13	75,63	75,63	0,00	0,00	3116,47	3116,47	1636,86	1479,61	
96+0.000	681.029	681.790	5,00	6,47	68,07	68,07	0,00	0,00	3184,54	3184,54	1636,86	1547,68	


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96+10.000	680.779	681.488	5,00	6,06	62,66	62,66	0,00	0,00	3247,20	3247,20	1636,86	1610,34
97+0.000	680.528	681.209	5,00	5,77	59,17	59,17	0,00	0,00	3306,37	3306,37	1636,86	1669,51
97+10.000	680.277	680.945	5,00	5,53	56,47	56,47	0,00	0,00	3362,84	3362,84	1636,86	1725,98
98+0.000	680.026	680.678	5,00	5,31	54,14	54,14	0,00	0,00	3416,98	3416,98	1636,86	1780,12
98+10.000	679.775	680.383	5,00	5,03	51,71	51,71	0,00	0,00	3468,69	3468,69	1636,86	1831,83
99+0.000	679.524	680.079	5,00	4,55	47,82	47,82	0,00	0,00	3516,51	3516,51	1636,86	1879,65
99+10.000	679.273	679.722	5,00	3,43	39,91	39,91	0,00	0,00	3556,42	3556,42	1636,86	1919,56
100+0.000	679.023	679.124	5,00	0,87	21,51	21,51	0,00	0,00	3577,93	3577,93	1636,86	1941,07
100+10.000	678.772	678.627	5,00	0,00	4,38	4,38	0,57	2,85	3582,31	3582,31	1639,71	1942,60
101+0.000	678.521	678.191	5,00	0,00	0,00	0,00	1,72	11,44	3582,31	3582,31	1651,15	1931,17
101+10.000	678.270	677.853	5,00	0,00	0,00	0,00	2,33	20,22	3582,31	3582,31	1671,36	1910,95
102+0.000	678.019	677.554	5,00	0,00	0,00	0,00	2,57	24,49	3582,31	3582,31	1695,85	1886,46
102+10.000	677.768	677.295	5,00	0,00	0,00	0,00	2,62	25,97	3582,31	3582,31	1721,82	1860,49
103+0.000	677.517	677.043	5,00	0,00	0,00	0,00	2,62	26,23	3582,31	3582,31	1748,05	1834,26
103+10.000	677.267	676.800	5,00	0,00	0,00	0,00	2,52	25,71	3582,31	3582,31	1773,76	1808,55
104+0.000	677.016	676.570	5,00	0,00	0,00	0,00	2,42	24,69	3582,31	3582,31	1798,45	1783,86
104+10.000	676.765	676.324	5,00	0,00	0,00	0,00	2,36	23,91	3582,31	3582,31	1822,36	1759,95
105+0.000	676.514	676.086	5,00	0,00	0,00	0,00	2,18	22,70	3582,31	3582,31	1845,06	1737,25
105+10.000	676.263	675.872	5,00	0,00	0,00	0,00	1,92	20,47	3582,31	3582,31	1865,54	1716,77
106+0.000	676.012	675.663	5,00	0,00	0,00	0,00	1,81	18,65	3582,31	3582,31	1884,19	1698,12
106+10.000	675.761	675.457	5,00	0,00	0,00	0,00	1,66	17,36	3582,31	3582,31	1901,55	1680,76
107+0.000	675.511	675.263	5,00	0,00	0,00	0,00	1,41	15,35	3582,31	3582,31	1916,90	1665,41
107+10.000	675.260	675.063	5,00	0,00	0,00	0,00	1,12	12,63	3582,31	3582,31	1929,54	1652,77
108+0.000	675.009	674.868	5,00	0,00	0,00	0,00	0,83	9,76	3582,31	3582,31	1939,30	1643,01
108+10.000	674.758	674.704	5,00	0,00	0,00	0,00	0,47	6,51	3582,31	3582,31	1945,81	1636,50
109+0.000	674.507	674.801	5,00	0,95	4,75	4,75	0,00	2,38	3587,06	3587,06	1948,19	1638,87
109+10.000	674.256	674.579	5,00	2,47	17,11	17,11	0,00	0,03	3604,17	3604,17	1948,22	1655,95
110+0.000	674.005	674.091	5,00	0,85	16,62	16,62	0,00	0,00	3620,79	3620,79	1948,22	1672,57
110+10.000	673.853	673.783	5,00	0,01	4,32	4,32	0,16	0,81	3625,11	3625,11	1949,03	1676,08
111+0.000	673.886	673.784	5,00	1,48	7,46	7,46	0,21	1,87	3632,57	3632,57	1950,90	1681,67
111+0.000	674.061	674.041	0,00	0,21	7,05	7,05	0,02	0,95	3639,62	3639,62	1951,85	1687,77
111+10.000	674.431	674.610	5,00	1,59	9,01	9,01	0,00	0,08	3648,63	3648,63	1951,93	1696,70
112+0.000	674.431	674.614	5,00	1,90	17,49	17,49	0,00	0,00	3666,12	3666,12	1951,93	1714,19
112+10.000	674.923	675.201	5,00	2,81	23,50	23,50	0,00	0,00	3689,62	3689,62	1951,93	1737,69
113+0.000	675.417	675.797	5,00	4,22	35,21	35,21	0,00	0,00	3724,83	3724,83	1951,93	1772,90
113+10.000	675.911	676.462	5,00	5,16	47,11	47,11	0,00	0,00	3771,94	3771,94	1951,93	1820,01
114+0.000	676.403	677.074	5,00	5,52	53,39	53,39	0,00	0,00	3825,33	3825,33	1951,93	1873,40
114+10.000	676.879	677.626	5,00	4,59	50,45	50,45	0,00	0,00	3875,79	3875,79	1951,93	1923,85
115+0.000	677.335	677.957	5,00	4,90	47,58	47,58	0,00	0,00	3923,37	3923,37	1951,93	1971,44
115+10.000	677.771	678.320	5,00	4,74	48,16	48,16	0,00	0,00	3971,52	3971,52	1951,93	2019,59
116+0.000	678.187	678.757	5,00	3,41	40,68	40,68	0,00	0,00	4012,20	4012,20	1951,93	2060,27
116+10.000	678.583	679.014	5,00	2,81	31,27	31,27	0,00	0,00	4043,47	4043,47	1951,93	2091,53
117+0.000	678.960	679.268	5,00	2,54	26,76	26,76	0,00	0,00	4070,22	4070,22	1951,93	2118,29
117+10.000	679.316	679.565	5,00	2,87	27,33	27,33	0,00	0,00	4097,56	4097,56	1951,93	2145,62
118+0.000	679.653	679.937	5,00	2,39	26,55	26,55	0,00	0,00	4124,10	4124,10	1951,93	2172,17
118+10.000	679.970	680.278	5,00	1,36	18,78	18,78	0,00	0,00	4142,88	4142,88	1951,93	2190,95
119+0.000	680.267	680.483	5,00	0,61	9,82	9,82	0,00	0,00	4152,71	4152,71	1951,93	2200,77
119+10.000	680.543	680.678	5,00	0,13	3,68	3,68	0,13	0,64	4156,39	4156,39	1952,58	2203,81
120+0.000	680.800	680.849	5,00	0,00	0,65	0,65	0,68	4,05	4157,04	4157,04	1956,63	2200,41
120+10.000	681.038	680.926	5,00	0,00	0,00	0,00	1,43	10,57	4157,04	4157,04	1967,20	2189,84
121+0.000	681.255	680.985	5,00	0,00	0,00	0,00	2,17	18,01	4157,04	4157,04	1985,20	2171,83
121+10.000	681.452	681.034	5,00	0,00	0,00	0,00	3,00	25,84	4157,04	4157,04	2011,04	2146,00
122+0.000	681.630	681.099	5,00	0,00	0,00	0,00	3,56	32,76	4157,04	4157,04	2043,80	2113,24
122+10.000	681.787	681.162	5,00	0,00	0,00	0,00	4,06	38,11	4157,04	4157,04	2081,91	2075,13
123+0.000	681.926	681.223	5,00	0,00	0,00	0,00	4,52	42,82	4157,04	4157,04	2124,73	2032,31
123+10.000	682.060	681.356	5,00	0,00	0,00	0,00	4,69	46,03	4157,04	4157,04	2170,76	1986,28
124+0.000	682.194	681.497	5,00	0,00	0,00	0,00	4,63	46,56	4157,04	4157,04	2217,32	1939,72
124+10.000	682.328	681.642	5,00	0,00	0,00	0,00	4,56	45,93	4157,04	4157,04	2263,25	1893,79
125+0.000	682.462	681.786	5,00	0,00	0,00	0,00	4,64	45,99	4157,04	4157,04	2309,24	1847,80


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125+10.00 0	682.596	681.895	5,00	0,00	0,00	0,00	5,26	49,48	4157,04	4157,04	2358,72	1798,32
126+0.000	682.730	681.909	5,00	0,00	0,00	0,00	5,61	54,46	4157,04	4157,04	2413,17	1743,86
126+10.00 0	682.864	681.988	5,00	0,00	0,00	0,00	5,43	55,31	4157,04	4157,04	2468,48	1688,56
127+0.000	682.998	682.115	5,00	0,00	0,00	0,00	4,38	49,05	4157,04	4157,04	2517,53	1639,51
127+10.00 0	683.133	682.368	5,00	0,00	0,00	0,00	2,93	36,56	4157,04	4157,04	2554,09	1602,95
128+0.000	683.267	682.676	5,00	0,00	0,00	0,00	1,72	23,20	4157,04	4157,04	2577,29	1579,74
128+10.00 0	683.401	683.024	5,00	0,03	0,16	0,16	0,54	11,30	4157,20	4157,20	2588,60	1568,60
129+0.000	683.535	683.352	5,00	0,71	3,80	3,80	0,00	2,67	4161,00	4161,00	2591,27	1569,74
129+10.00 0	683.669	683.669	5,00	1,37	10,43	10,43	0,00	0,00	4171,44	4171,44	2591,27	1580,17
130+0.000	683.879	683.979	5,00	2,18	17,85	17,85	0,00	0,00	4189,29	4189,29	2591,27	1598,02
130+10.00 0	684.089	684.309	5,00	2,53	23,72	23,72	0,00	0,00	4213,01	4213,01	2591,27	1621,74
131+0.000	684.299	684.608	5,00	2,49	25,12	25,12	0,00	0,00	4238,13	4238,13	2591,27	1646,86
131+10.00 0	684.509	684.843	5,00	2,56	25,24	25,24	0,00	0,00	4263,37	4263,37	2591,27	1672,10
132+0.000	684.718	685.051	5,00	2,54	25,46	25,46	0,00	0,00	4288,83	4288,83	2591,27	1697,56
132+10.00 0	684.928	685.257	5,00	2,56	25,47	25,47	0,00	0,00	4314,30	4314,30	2591,27	1723,03
133+0.000	685.138	685.475	5,00	2,60	25,77	25,77	0,00	0,00	4340,06	4340,06	2591,27	1748,79
133+10.00 0	685.348	685.686	5,00	2,56	25,80	25,80	0,00	0,00	4365,86	4365,86	2591,27	1774,59
134+0.000	685.558	685.891	5,00	2,34	24,52	24,52	0,00	0,00	4390,38	4390,38	2591,27	1799,11
134+10.00 0	685.768	686.060	5,00	2,06	22,00	22,00	0,00	0,00	4412,39	4412,39	2591,27	1821,12
135+0.000	685.978	686.236	5,00	1,92	19,90	19,90	0,00	0,00	4432,29	4432,29	2591,27	1841,02
135+10.00 0	686.188	686.429	5,00	1,82	18,66	18,66	0,00	0,00	4450,96	4450,96	2591,27	1859,69
136+0.000	686.398	686.627	5,00	1,74	17,77	17,77	0,00	0,00	4468,72	4468,72	2591,27	1877,45
136+10.00 0	686.608	686.827	5,00	1,65	16,95	16,95	0,00	0,00	4485,68	4485,68	2591,27	1894,41
137+0.000	686.818	687.026	5,00	1,75	17,06	17,06	0,00	0,00	4502,74	4502,74	2591,27	1911,47
137+10.00 0	687.028	687.254	5,00	1,96	18,50	18,50	0,00	0,00	4521,24	4521,24	2591,27	1929,97
138+0.000	687.238	687.502	5,00	2,07	20,12	20,12	0,00	0,00	4541,35	4541,35	2591,27	1950,08
138+10.00 0	687.448	687.703	5,00	2,19	21,21	21,21	0,00	0,00	4562,56	4562,56	2591,27	1971,29
139+0.000	687.658	687.930	5,00	2,39	22,94	22,94	0,00	0,00	4585,50	4585,50	2591,27	1994,23
139+10.00 0	687.868	688.188	5,00	1,66	20,30	20,30	0,00	0,00	4605,80	4605,80	2591,27	2014,53
140+0.000	688.078	688.301	5,00	0,77	12,16	12,16	0,00	0,00	4617,96	4617,96	2591,27	2026,69
140+10.00 0	688.237	688.343	5,00	0,09	4,32	4,32	0,10	0,51	4622,28	4622,28	2591,78	2030,50
141+0.000	688.300	688.283	5,00	0,00	0,50	0,50	0,38	2,40	4622,78	4622,78	2594,18	2028,60
141+10.00 0	688.266	688.193	5,00	0,03	0,18	0,18	0,27	3,26	4622,96	4622,96	2597,43	2025,53
142+0.000	688.135	688.090	5,00	0,20	1,16	1,16	0,05	1,57	4624,12	4624,12	2599,00	2025,12
142+10.00 0	687.959	687.975	5,00	0,62	4,06	4,06	0,00	0,23	4628,19	4628,19	2599,24	2028,95
143+0.000	687.783	687.873	5,00	1,21	9,14	9,14	0,00	0,00	4637,32	4637,32	2599,24	2038,09
143+10.00 0	687.607	687.779	5,00	1,92	15,65	15,65	0,00	0,00	4652,97	4652,97	2599,24	2053,74
144+0.000	687.431	687.698	5,00	2,50	22,14	22,14	0,00	0,00	4675,11	4675,11	2599,24	2075,88
144+10.00 0	687.256	687.591	5,00	2,93	27,16	27,16	0,00	0,00	4702,27	4702,27	2599,24	2103,04
145+0.000	687.080	687.462	5,00	3,37	31,49	31,49	0,00	0,00	4733,77	4733,77	2599,24	2134,53
145+10.00 0	686.904	687.347	5,00	3,86	36,16	36,16	0,00	0,00	4769,93	4769,93	2599,24	2170,69
146+0.000	686.728	687.233	5,00	4,38	41,20	41,20	0,00	0,00	4811,12	4811,12	2599,24	2211,89
146+10.00 0	686.552	687.121	5,00	4,82	46,00	46,00	0,00	0,00	4857,13	4857,13	2599,24	2257,89
147+0.000	686.376	686.992	5,00	4,98	48,99	48,99	0,00	0,00	4906,12	4906,12	2599,24	2306,88
147+10.00 0	686.200	686.823	5,00	4,27	46,24	46,24	0,00	0,00	4952,35	4952,35	2599,24	2353,12
148+0.000	686.024	686.559	5,00	2,90	35,86	35,86	0,00	0,00	4988,21	4988,21	2599,24	2388,97
148+10.00 0	685.848	686.216	5,00	1,42	21,60	21,60	0,00	0,00	5009,81	5009,81	2599,24	2410,58
149+0.000	685.672	685.840	5,00	0,14	7,80	7,80	0,03	0,13	5017,61	5017,61	2599,37	2418,25
149+10.00 0	685.496	685.468	5,00	0,18	1,60	1,60	0,01	0,20	5019,21	5019,21	2599,57	2419,65
150+0.000	685.320	685.301	5,00	0,08	1,28	1,28	0,06	0,39	5020,49	5020,49	2599,95	2420,54
150+8.33	685.144	685.100	5,00	0,00	0,38	0,38	0,38	2,22	5020,88	5020,88	2602,17	2418,71

Relatório de Volumes

CONTINUAÇÃO SÍTIO CURRALINHO

Estaca Inicial: 0+0.000

Estaca Final: 191+7.267

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	883.502	883.502	0.00	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	883.461	883.659	5.00	1.95	13.12	13.12	0.00	0.00	13.12	13.12	0.00	13.12
1+0.000	883.419	883.985	5.00	4.38	31.55	31.55	0.00	0.00	44.66	44.66	0.00	44.66
1+10.000	883.378	884.042	5.00	4.40	44.44	44.44	0.00	0.00	89.11	89.11	0.00	89.11
2+0.000	883.337	883.886	5.00	3.40	38.91	38.91	0.00	0.00	128.02	128.02	0.00	128.02
2+10.000	883.295	883.708	5.00	2.76	30.66	30.66	0.00	0.00	158.68	158.68	0.00	158.68
3+0.000	883.254	883.541	5.00	2.37	25.62	25.62	0.00	0.00	184.30	184.30	0.00	184.30
3+10.000	883.212	883.420	5.00	2.04	22.04	22.04	0.00	0.00	206.34	206.34	0.00	206.34
4+0.000	883.171	883.299	5.00	1.52	17.82	17.82	0.00	0.00	224.15	224.15	0.00	224.15
4+10.000	883.130	883.010	5.00	0.63	10.72	10.72	0.18	0.92	234.87	234.87	0.92	233.95
5+0.000	883.088	882.411	5.00	0.21	4.19	4.19	2.69	14.36	239.06	239.06	15.27	223.79
5+10.000	883.047	882.151	5.00	0.00	1.02	1.02	4.38	35.74	240.08	240.08	51.02	189.06
6+0.000	883.006	882.126	5.00	0.00	0.00	0.00	5.01	46.98	240.08	240.08	98.00	142.08
6+10.000	882.964	882.539	5.00	0.00	0.00	0.00	3.02	40.18	240.08	240.08	138.18	101.90
7+0.000	882.923	882.951	5.00	0.21	1.07	1.07	0.44	17.30	241.16	241.16	155.49	85.67
7+10.000	882.881	883.173	5.00	2.13	11.70	11.70	0.00	2.19	252.86	252.86	157.68	95.18
8+0.000	882.840	883.092	5.00	2.39	22.57	22.57	0.00	0.00	275.43	275.43	157.68	117.75
8+10.000	882.799	883.172	5.00	3.20	27.93	27.93	0.00	0.00	303.37	303.37	157.68	145.69
9+0.000	882.757	883.285	5.00	4.34	37.68	37.68	0.00	0.00	341.05	341.05	157.68	183.37
9+10.000	882.716	883.384	5.00	5.13	47.32	47.32	0.00	0.00	388.37	388.37	157.68	230.69
10+0.000	882.675	883.352	5.00	4.50	48.19	48.19	0.00	0.00	436.56	436.56	157.68	278.88
10+10.000	882.635	883.023	5.00	2.32	34.10	34.10	0.00	0.00	470.67	470.67	157.68	312.99
11+0.000	882.603	882.693	5.00	0.53	14.32	14.32	0.09	0.42	484.99	484.99	158.11	326.88
11+10.000	882.578	882.369	5.00	0.00	2.68	2.68	1.34	7.13	487.67	487.67	165.24	322.43
12+0.000	882.562	882.120	5.00	0.00	0.00	0.00	2.56	19.50	487.67	487.67	184.74	302.93
12+10.000	882.552	881.962	5.00	0.00	0.00	0.00	3.55	30.56	487.67	487.67	215.30	272.37
13+0.000	882.543	881.805	5.00	0.00	0.00	0.00	4.55	40.47	487.67	487.67	255.77	231.90
13+10.000	882.534	881.648	5.00	0.00	0.00	0.00	5.63	50.91	487.67	487.67	306.68	180.99
14+0.000	882.524	881.490	5.00	0.00	0.00	0.00	6.76	61.97	487.67	487.67	368.65	119.02
14+10.000	882.515	881.359	5.00	0.00	0.00	0.00	7.85	73.03	487.67	487.67	441.67	46.00
15+0.000	882.506	881.241	5.00	0.00	0.00	0.00	8.83	83.45	487.67	487.67	525.12	-37.45
15+10.000	882.496	881.144	5.00	0.00	0.00	0.00	9.45	91.39	487.67	487.67	616.51	-128.84
16+0.000	882.487	881.099	5.00	0.00	0.00	0.00	10.00	96.92	487.67	487.67	713.43	-225.76
16+10.000	882.480	881.083	5.00	0.00	0.00	0.00	10.41	102.06	487.67	487.67	815.49	-327.82
17+0.000	882.478	881.067	5.00	0.00	0.00	0.00	10.78	105.95	487.67	487.67	921.44	-433.77
17+10.000	882.479	881.055	5.00	0.00	0.00	0.00	11.23	109.84	487.67	487.67	1031.28	-543.61
18+0.000	882.484	881.050	5.00	0.00	0.00	0.00	11.59	114.26	487.67	487.67	1145.55	-657.88
18+10.000	882.490	881.080	5.00	0.00	0.00	0.00	11.23	114.35	487.67	487.67	1259.90	-772.23
19+0.000	882.496	881.144	5.00	0.00	0.00	0.00	10.54	108.90	487.67	487.67	1368.80	-881.13
19+10.000	882.502	881.259	5.00	0.00	0.00	0.00	9.48	100.08	487.67	487.67	1468.88	-981.21
20+0.000	882.508	881.266	5.00	0.00	0.00	0.00	8.73	91.23	487.67	487.67	1560.11	-1072.44
20+10.000	882.514	881.344	5.00	0.00	0.00	0.00	7.24	79.78	487.67	487.67	1639.89	-1152.22
21+0.000	882.520	881.669	5.00	0.00	0.00	0.00	4.67	59.59	487.67	487.67	1699.48	-1211.81
21+10.000	882.526	881.938	5.00	0.00	0.00	0.00	3.13	38.93	487.67	487.67	1738.40	-1250.73
22+0.000	882.532	882.160	5.00	0.00	0.00	0.00	2.49	28.09	487.67	487.67	1766.50	-1278.83
22+10.000	882.546	882.264	5.00	0.00	0.00	0.00	2.32	24.02	487.67	487.67	1790.52	-1302.84
23+0.000	882.615	882.436	5.00	0.00	0.00	0.00	1.92	21.16	487.67	487.67	1811.68	-1324.01
23+10.000	882.745	882.664	5.00	0.00	0.00	0.00	1.42	16.68	487.68	487.68	1828.35	-1340.68
24+0.000	882.937	882.921	5.00	0.09	0.47	0.47	1.13	12.77	488.15	488.15	1841.13	-1352.98
24+10.000	883.182	883.181	5.00	0.14	1.15	1.15	1.10	11.16	489.30	489.30	1852.29	-1362.98
25+0.000	883.435	883.441	5.00	0.16	1.49	1.49	1.06	10.79	490.80	490.80	1863.08	-1372.28
25+10.000	883.683	883.711	5.00	0.22	1.91	1.91	1.07	10.74	492.70	492.70	1873.82	-1381.12



 JOTA BATROS PROJETOS
 Arthur Moreira Torquato
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26+0.000	883.795	883.989	5.00	0.81	5.12	5.12	1.99	15.46	497.82	497.82	1889.28	-1391.45
26+10.000	883.704	883.860	5.00	0.75	7.71	7.71	1.62	18.31	505.53	505.53	1907.59	-1402.05
27+0.000	883.411	883.496	5.00	0.41	6.03	6.03	1.39	13.84	511.56	511.56	1921.42	-1409.86
27+10.000	882.918	882.864	5.00	0.00	2.11	2.11	2.00	16.96	513.67	513.67	1938.38	-1424.70
28+0.000	882.361	882.202	5.00	0.00	0.04	0.04	2.47	22.32	513.71	513.71	1960.69	-1446.98
28+10.000	881.804	881.473	5.00	0.00	0.00	0.00	3.13	27.71	513.71	513.71	1988.40	-1474.69
29+0.000	881.246	880.644	5.00	0.00	0.00	0.00	3.79	34.63	513.71	513.71	2023.03	-1509.32
29+10.000	880.689	879.864	5.00	0.00	0.00	0.00	4.58	41.56	513.71	513.71	2064.60	-1550.88
30+0.000	880.132	879.093	5.00	0.00	0.00	0.00	6.44	55.13	513.71	513.71	2119.73	-1606.02
30+10.000	879.574	878.322	5.00	0.00	0.00	0.00	8.51	74.78	513.71	513.71	2194.51	-1680.80
31+0.000	879.017	877.637	5.00	0.00	0.00	0.00	9.58	91.18	513.71	513.71	2285.69	-1771.98
31+10.000	878.460	877.039	5.00	0.00	0.00	0.00	9.88	97.13	513.71	513.71	2382.83	-1869.12
32+0.000	877.902	876.746	5.00	0.00	0.00	0.00	8.17	90.27	513.71	513.71	2473.10	-1959.39
32+10.000	877.345	876.453	5.00	0.00	0.00	0.00	5.88	70.29	513.71	513.71	2543.39	-2029.68
33+0.000	876.788	876.160	5.00	0.00	0.00	0.00	3.69	47.88	513.71	513.71	2591.27	-2077.56
33+10.000	876.230	875.930	5.00	0.00	0.00	0.00	1.49	25.90	513.71	513.71	2617.18	-2103.46
34+0.000	875.716	875.754	5.00	0.58	2.91	2.91	0.00	7.44	516.63	516.63	2624.62	-2107.99
34+10.000	875.334	875.579	5.00	2.00	12.91	12.91	0.00	0.00	529.54	529.54	2624.62	-2095.08
35+0.000	875.088	874.504	5.00	0.35	11.75	11.75	3.65	18.26	541.29	541.29	2642.88	-2101.59
35+10.000	874.979	874.154	5.00	0.00	1.76	1.76	4.93	42.91	543.05	543.05	2685.78	-2142.74
36+0.000	874.962	873.804	5.00	0.00	0.00	0.00	7.63	62.77	543.05	543.05	2748.56	-2205.51
36+10.000	874.948	873.647	5.00	0.00	0.00	0.00	9.52	86.37	543.05	543.05	2834.93	-2291.88
37+0.000	874.935	873.565	5.00	0.00	0.00	0.00	10.77	101.45	543.05	543.05	2936.37	-2393.33
37+10.000	874.921	873.512	5.00	0.00	0.00	0.00	11.27	110.86	543.05	543.05	3047.23	-2504.18
38+0.000	874.908	873.510	5.00	0.00	0.00	0.00	10.85	110.61	543.05	543.05	3157.84	-2614.80
38+10.000	874.895	873.495	5.00	0.00	0.00	0.00	10.34	105.75	543.05	543.05	3263.60	-2720.55
39+0.000	874.889	873.479	5.00	0.00	0.00	0.00	9.61	99.74	543.05	543.05	3363.34	-2820.29
39+10.000	874.889	873.560	5.00	0.00	0.00	0.00	8.81	92.27	543.05	543.05	3455.61	-2912.56
40+0.000	874.895	873.646	5.00	0.00	0.00	0.00	8.34	85.81	543.05	543.05	3541.41	-2998.37
40+10.000	874.907	873.668	5.00	0.00	0.00	0.00	7.75	80.34	543.05	543.05	3621.76	-3078.71
41+0.000	874.919	873.796	5.00	0.00	0.00	0.00	7.28	75.28	543.05	543.05	3697.04	-3153.99
41+10.000	874.932	873.869	5.00	0.00	0.00	0.00	6.55	69.17	543.05	543.05	3766.21	-3223.16
42+0.000	874.944	873.968	5.00	0.00	0.00	0.00	5.57	60.50	543.05	543.05	3826.71	-3283.66
42+10.000	874.956	874.106	5.00	0.00	0.00	0.00	4.45	50.02	543.05	543.05	3876.73	-3333.68
43+0.000	874.969	874.250	5.00	0.00	0.00	0.00	3.57	40.10	543.05	543.05	3916.83	-3373.78
43+10.000	874.987	874.536	5.00	0.09	0.46	0.46	1.88	26.92	543.51	543.51	3943.75	-3400.23
44+0.000	875.050	874.841	5.00	0.61	3.50	3.50	0.63	12.55	547.01	547.01	3956.30	-3409.29
44+10.000	875.164	875.146	5.00	1.39	10.01	10.01	0.00	3.17	557.02	557.02	3959.47	-3402.45
45+0.000	875.330	875.451	5.00	1.68	15.33	15.33	0.00	0.03	572.35	572.35	3959.51	-3387.15
45+10.000	875.541	875.726	5.00	0.80	12.39	12.39	0.03	0.16	584.75	584.75	3959.66	-3374.92
46+0.000	875.760	875.952	5.00	0.88	8.45	8.45	0.90	4.62	593.20	593.20	3964.29	-3371.09
46+10.000	875.906	876.005	5.00	0.49	6.91	6.91	1.96	14.07	600.11	600.11	3978.35	-3378.24
47+0.000	875.904	875.963	5.00	0.34	4.15	4.15	2.81	23.82	604.26	604.26	4002.17	-3397.91
47+10.000	875.756	875.825	5.00	0.37	3.59	3.59	3.17	29.59	607.85	607.85	4031.76	-3423.91
48+0.000	875.461	875.568	5.00	0.51	4.42	4.42	3.03	30.95	612.26	612.26	4062.71	-3450.45



 JOTA BARROS PROJETOS
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48+10.000	875.092	875.311	5.00	0.94	7.23	7.23	2.55	27.90	619.49	619.49	4090.61	-3471.13
49+0.000	874.723	874.961	5.00	1.08	10.06	10.06	1.94	22.60	629.55	629.55	4113.22	-3483.67
49+10.000	874.354	874.595	5.00	1.17	11.28	11.28	1.37	16.55	640.83	640.83	4129.76	-3488.93
50+0.000	873.985	874.229	5.00	1.26	12.18	12.18	0.90	11.34	653.02	653.02	4141.11	-3488.09
50+10.000	873.616	873.851	5.00	1.19	12.33	12.33	0.70	7.89	665.35	665.35	4149.00	-3483.65
51+0.000	873.247	873.468	5.00	1.06	11.24	11.24	0.56	6.34	676.60	676.60	4155.34	-3478.74
51+10.000	872.878	873.085	5.00	0.95	10.05	10.05	0.37	4.66	686.65	686.65	4160.01	-3473.36
52+0.000	872.509	872.636	5.00	0.64	7.92	7.92	0.11	2.40	694.57	694.57	4162.40	-3467.83
52+10.000	872.144	872.183	5.00	0.49	5.64	5.64	0.00	0.55	700.21	700.21	4162.95	-3462.74
53+0.000	871.845	871.789	5.00	0.30	3.94	3.94	0.05	0.26	704.15	704.15	4163.21	-3459.06
53+10.000	871.637	871.396	5.00	0.08	1.92	1.92	0.60	3.25	706.07	706.07	4166.46	-3460.39
54+0.000	871.520	871.190	5.00	0.00	0.42	0.42	1.22	9.13	706.49	706.49	4175.59	-3469.10
54+10.000	871.492	871.009	5.00	0.00	0.00	0.00	2.63	19.28	706.49	706.49	4194.87	-3488.38
55+0.000	871.487	870.828	5.00	0.00	0.00	0.00	3.88	32.56	706.49	706.49	4227.42	-3520.93
55+10.000	871.483	870.706	5.00	0.00	0.00	0.00	4.81	43.58	706.49	706.49	4271.00	-3564.51
56+0.000	871.478	870.602	5.00	0.00	0.00	0.00	5.89	53.51	706.49	706.49	4324.51	-3618.02
56+10.000	871.474	870.498	5.00	0.00	0.00	0.00	6.90	63.92	706.49	706.49	4388.42	-3681.93
57+0.000	871.469	870.424	5.00	0.00	0.00	0.00	7.76	73.28	706.49	706.49	4461.71	-3755.22
57+10.000	871.465	870.378	5.00	0.00	0.00	0.00	8.22	79.88	706.49	706.49	4541.58	-3835.09
58+0.000	871.460	870.332	5.00	0.00	0.00	0.00	8.63	84.26	706.49	706.49	4625.84	-3919.35
58+10.000	871.456	870.286	5.00	0.00	0.00	0.00	9.06	88.47	706.49	706.49	4714.31	-4007.82
59+0.000	871.451	870.211	5.00	0.00	0.00	0.00	9.78	94.17	706.49	706.49	4808.48	-4101.99
59+10.000	871.447	870.120	5.00	0.00	0.00	0.00	10.74	102.56	706.49	706.49	4911.04	-4204.55
60+0.000	871.442	870.097	5.00	0.00	0.00	0.00	10.95	108.40	706.49	706.49	5019.44	-4312.95
60+10.000	871.438	870.078	5.00	0.00	0.00	0.00	11.10	110.25	706.49	706.49	5129.69	-4423.20
61+0.000	871.433	870.063	5.00	0.00	0.00	0.00	11.23	111.66	706.49	706.49	5241.35	-4534.86
61+10.000	871.429	870.058	5.00	0.00	0.00	0.00	11.24	112.33	706.49	706.49	5353.68	-4647.19
62+0.000	871.425	870.043	5.00	0.00	0.00	0.00	11.35	112.94	706.49	706.49	5466.63	-4760.14
62+10.000	871.424	870.020	5.00	0.00	0.00	0.00	11.60	114.76	706.49	706.49	5581.39	-4874.90
63+0.000	871.425	870.141	5.00	0.00	0.00	0.00	10.35	109.76	706.49	706.49	5691.15	-4984.66
63+10.000	871.428	870.190	5.00	0.00	0.00	0.00	9.77	100.59	706.49	706.49	5791.74	-5085.25
64+0.000	871.433	870.119	5.00	0.00	0.00	0.00	10.58	101.74	706.49	706.49	5893.48	-5186.99
64+10.000	871.438	870.193	5.00	0.00	0.00	0.00	9.90	102.42	706.49	706.49	5995.90	-5289.41
65+0.000	871.442	870.283	5.00	0.00	0.00	0.00	9.00	94.54	706.49	706.49	6090.44	-5383.95
65+10.000	871.447	870.376	5.00	0.00	0.00	0.00	8.11	85.58	706.49	706.49	6176.02	-5469.53
66+0.000	871.451	870.330	5.00	0.00	0.00	0.00	8.56	83.35	706.49	706.49	6259.37	-5552.88
66+10.000	871.456	870.287	5.00	0.00	0.00	0.00	9.08	88.17	706.49	706.49	6347.54	-5641.05
67+0.000	871.460	870.310	5.00	0.00	0.00	0.00	8.89	89.85	706.49	706.49	6437.39	-5730.90
67+10.000	871.465	870.352	5.00	0.00	0.00	0.00	8.52	87.04	706.49	706.49	6524.43	-5817.94
68+0.000	871.469	870.413	5.00	0.00	0.00	0.00	7.97	82.42	706.49	706.49	6606.85	-5900.36
68+10.000	871.474	870.509	5.00	0.00	0.00	0.00	7.09	75.27	706.49	706.49	6682.12	-5975.63
69+0.000	871.478	870.573	5.00	0.00	0.00	0.00	6.51	67.98	706.49	706.49	6750.10	-6043.61
69+10.000	871.483	870.630	5.00	0.00	0.00	0.00	6.03	62.69	706.49	706.49	6812.79	-6106.30
70+0.000	871.488	870.694	5.00	0.00	0.00	0.00	5.50	57.61	706.49	706.49	6870.41	-6163.92
70+10.000	871.492	870.784	5.00	0.00	0.00	0.00	4.77	51.33	706.49	706.49	6921.74	-6215.25

71+0.000	871.497	870.883	5.00	0.00	0.00	0.00	3.98	43.75	706.49	706.49	6965.49	-6259.00
71+10.000	871.501	870.963	5.00	0.00	0.00	0.00	3.38	36.78	706.49	706.49	7002.27	-6295.78
72+0.000	871.506	871.042	5.00	0.00	0.00	0.00	2.81	30.91	706.49	706.49	7033.18	-6326.69
72+10.000	871.510	871.122	5.00	0.00	0.00	0.00	2.26	25.32	706.49	706.49	7058.50	-6352.01
73+0.000	871.515	871.211	5.00	0.00	0.00	0.00	1.66	19.60	706.49	706.49	7078.10	-6371.61
73+10.000	871.519	871.187	5.00	0.00	0.00	0.00	2.01	18.36	706.49	706.49	7096.46	-6389.97
74+0.000	871.524	871.065	5.00	0.00	0.00	0.00	2.37	21.91	706.49	706.49	7118.37	-6411.88
74+10.000	871.542	871.352	5.00	0.00	0.01	0.01	0.69	15.27	706.50	706.50	7133.63	-6427.13
75+0.000	871.579	871.550	5.00	0.11	0.55	0.55	0.03	3.60	707.05	707.05	7137.24	-6430.19
75+10.000	871.634	871.627	5.00	0.19	1.50	1.50	0.00	0.17	708.54	708.54	7137.40	-6428.86
76+0.000	871.707	871.687	5.00	0.15	1.70	1.70	0.02	0.09	710.24	710.24	7137.49	-6427.25
76+10.000	871.785	871.763	5.00	0.21	1.79	1.79	0.01	0.16	712.04	712.04	7137.65	-6425.61
77+0.000	871.863	871.874	5.00	0.42	3.15	3.15	0.00	0.07	715.19	715.19	7137.72	-6422.54
77+10.000	871.942	871.991	5.00	0.59	5.04	5.04	0.00	0.00	720.22	720.22	7137.72	-6417.50
78+0.000	872.020	872.132	5.00	0.70	6.42	6.42	0.00	0.00	726.64	726.64	7137.72	-6411.08
78+10.000	872.098	872.334	5.00	1.22	9.57	9.57	0.00	0.00	736.21	736.21	7137.72	-6401.51
79+0.000	872.177	872.377	5.00	1.14	11.86	11.86	0.00	0.00	748.07	748.07	7137.72	-6389.66
79+10.000	872.255	872.373	5.00	0.83	9.89	9.89	0.00	0.00	757.96	757.96	7137.72	-6379.77
80+0.000	872.334	872.448	5.00	0.79	8.11	8.11	0.00	0.00	766.06	766.06	7137.72	-6371.66
80+10.000	872.412	872.535	5.00	0.79	7.86	7.86	0.00	0.00	773.92	773.92	7137.72	-6363.80
81+0.000	872.490	872.633	5.00	0.87	8.29	8.29	0.00	0.00	782.21	782.21	7137.72	-6355.51
81+10.000	872.569	872.755	5.00	1.23	10.50	10.50	0.00	0.00	792.72	792.72	7137.72	-6345.01
82+0.000	872.647	872.872	5.00	1.57	14.03	14.03	0.00	0.00	806.74	806.74	7137.72	-6330.98
82+10.000	872.725	872.984	5.00	1.83	17.05	17.05	0.00	0.00	823.80	823.80	7137.72	-6313.93
83+0.000	872.804	873.080	5.00	1.97	19.00	19.00	0.00	0.00	842.80	842.80	7137.72	-6294.92
83+10.000	872.882	873.148	5.00	1.93	19.51	19.51	0.00	0.00	862.31	862.31	7137.72	-6275.41
84+0.000	872.961	873.190	5.00	1.71	18.19	18.19	0.00	0.00	880.50	880.50	7137.72	-6257.22
84+10.000	873.039	873.235	5.00	1.26	14.87	14.87	0.00	0.00	895.37	895.37	7137.72	-6242.35
85+0.000	873.117	873.268	5.00	0.73	9.98	9.98	0.10	0.49	905.36	905.36	7138.22	-6232.86
85+10.000	873.185	873.290	5.00	0.53	6.31	6.31	0.43	2.63	911.66	911.66	7140.85	-6229.19
86+0.000	873.172	873.312	5.00	0.68	6.01	6.01	0.43	4.31	917.68	917.68	7145.15	-6227.48
86+10.000	873.065	873.202	5.00	0.80	7.35	7.35	0.10	2.69	925.02	925.02	7147.84	-6222.82
87+0.000	872.866	872.970	5.00	0.77	7.89	7.89	0.00	0.49	932.91	932.91	7148.33	-6215.42
87+10.000	872.585	872.738	5.00	0.88	8.30	8.30	0.00	0.00	941.22	941.22	7148.33	-6207.12
88+0.000	872.292	872.392	5.00	0.38	6.35	6.35	0.01	0.06	947.57	947.57	7148.39	-6200.82
88+10.000	871.998	871.919	5.00	0.03	2.06	2.06	0.22	1.15	949.63	949.63	7149.54	-6199.91
89+0.000	871.705	871.626	5.00	0.00	0.17	0.17	0.19	2.04	949.81	949.81	7151.58	-6201.78
89+10.000	871.411	871.338	5.00	0.00	0.02	0.02	0.44	3.13	949.82	949.82	7154.72	-6204.89
90+0.000	871.118	871.020	5.00	0.00	0.00	0.00	0.50	4.67	949.82	949.82	7159.39	-6209.56
90+10.000	870.825	870.747	5.00	0.10	0.53	0.53	0.10	3.01	950.36	950.36	7162.40	-6212.05
91+0.000	870.531	870.484	5.00	0.41	2.60	2.60	0.04	0.72	952.95	952.95	7163.12	-6210.17
91+10.000	870.238	870.219	5.00	0.58	5.02	5.02	0.00	0.23	957.98	957.98	7163.35	-6205.37
92+0.000	870.005	869.985	5.00	0.68	6.30	6.30	0.00	0.06	964.28	964.28	7163.41	-6199.13
92+10.000	869.885	869.822	5.00	0.31	4.97	4.97	0.07	0.36	969.25	969.25	7163.77	-6194.53
93+0.000	869.766	869.659	5.00	0.16	2.35	2.35	0.19	1.29	971.60	971.60	7165.06	-6193.46


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93+10.000	869.647	869.505	5.00	0.09	1.20	1.20	0.36	2.78	972.79	972.79	7167.84	-6195.05
94+0.000	869.528	869.371	5.00	0.06	0.75	0.75	0.45	4.06	973.55	973.55	7171.90	-6198.35
94+10.000	869.408	869.237	5.00	0.07	0.68	0.68	0.52	4.84	974.23	974.23	7176.74	-6202.51
95+0.000	869.289	869.139	5.00	0.06	0.65	0.65	0.49	5.05	974.88	974.88	7181.79	-6206.91
95+10.000	869.170	869.078	5.00	0.04	0.45	0.45	0.27	3.85	975.33	975.33	7185.64	-6210.31
96+0.000	869.050	868.995	5.00	0.19	1.10	1.10	0.09	1.83	976.43	976.43	7187.47	-6211.04
96+10.000	868.931	868.934	5.00	0.59	3.88	3.88	0.00	0.46	980.31	980.31	7187.92	-6207.61
97+0.000	868.812	868.902	5.00	1.23	9.06	9.06	0.00	0.00	989.38	989.38	7187.92	-6198.55
97+10.000	868.693	868.869	5.00	1.87	15.46	15.46	0.00	0.00	1004.83	1004.83	7187.92	-6183.09
98+0.000	868.573	868.835	5.00	2.31	20.91	20.91	0.00	0.00	1025.75	1025.75	7187.92	-6162.18
98+10.000	868.454	868.717	5.00	2.23	22.68	22.68	0.00	0.00	1048.43	1048.43	7187.92	-6139.49
99+0.000	868.335	868.608	5.00	2.24	22.31	22.31	0.00	0.00	1070.74	1070.74	7187.92	-6117.18
99+10.000	868.216	868.512	5.00	2.33	22.87	22.87	0.00	0.00	1093.61	1093.61	7187.92	-6094.31
100+0.000	868.096	868.386	5.00	2.31	23.22	23.22	0.00	0.00	1116.83	1116.83	7187.92	-6071.09
100+10.000	867.977	868.250	5.00	2.28	22.94	22.94	0.00	0.00	1139.77	1139.77	7187.92	-6048.15
101+0.000	867.860	868.106	5.00	2.26	22.70	22.70	0.00	0.00	1162.47	1162.47	7187.92	-6025.45
101+10.000	867.775	868.014	5.00	2.11	21.84	21.84	0.00	0.00	1184.31	1184.31	7187.92	-6003.61
102+0.000	867.732	867.917	5.00	1.53	18.19	18.19	0.00	0.00	1202.50	1202.50	7187.92	-5985.43
102+10.000	867.730	867.800	5.00	0.73	11.32	11.32	0.00	0.00	1213.82	1213.82	7187.92	-5974.10
103+0.000	867.767	867.652	5.00	0.00	3.67	3.67	0.40	2.01	1217.49	1217.49	7189.93	-5972.44
103+10.000	867.814	867.574	5.00	0.00	0.00	0.00	1.33	8.67	1217.49	1217.49	7198.61	-5981.12
104+0.000	867.861	867.635	5.00	0.00	0.00	0.00	1.08	12.06	1217.49	1217.49	7210.67	-5993.18
104+10.000	867.908	867.763	5.00	0.00	0.00	0.00	0.64	8.61	1217.49	1217.49	7219.27	-6001.78
105+0.000	867.955	867.908	5.00	0.03	0.14	0.14	0.20	4.19	1217.63	1217.63	7223.47	-6005.84
105+10.000	868.002	868.093	5.00	0.65	3.40	3.40	0.00	1.00	1221.02	1221.02	7224.46	-6003.44
106+0.000	868.049	868.171	5.00	1.01	8.29	8.29	0.00	0.00	1229.31	1229.31	7224.46	-5995.15
106+10.000	868.096	868.145	5.00	0.52	7.62	7.62	0.00	0.00	1236.93	1236.93	7224.46	-5987.53
107+0.000	868.143	868.118	5.00	0.09	3.02	3.02	0.03	0.16	1239.96	1239.96	7224.62	-5984.66
107+10.000	868.189	868.147	5.00	0.04	0.63	0.63	0.14	0.86	1240.59	1240.59	7225.49	-5984.90
108+0.000	868.236	868.208	5.00	0.07	0.52	0.52	0.11	1.25	1241.11	1241.11	7226.74	-5985.63
108+10.000	868.283	868.315	5.00	0.32	1.95	1.95	0.00	0.55	1243.06	1243.06	7227.29	-5984.23
109+0.000	868.330	868.312	5.00	0.12	2.21	2.21	0.02	0.08	1245.26	1245.26	7227.37	-5982.11
109+10.000	868.368	868.248	5.00	0.00	0.59	0.59	0.48	2.50	1245.85	1245.85	7229.87	-5984.02
110+0.000	868.357	868.124	5.00	0.00	0.00	0.00	1.23	8.55	1245.85	1245.85	7238.42	-5992.57
110+10.000	868.293	867.986	5.00	0.00	0.00	0.00	1.71	14.70	1245.85	1245.85	7253.11	-6007.27
111+0.000	868.175	867.843	5.00	0.00	0.00	0.00	1.87	17.92	1245.85	1245.85	7271.03	-6025.19
111+10.000	868.013	867.715	5.00	0.00	0.00	0.00	1.63	17.52	1245.85	1245.85	7288.55	-6042.70
112+0.000	867.845	867.582	5.00	0.00	0.00	0.00	1.39	15.13	1245.85	1245.85	7303.68	-6057.83
112+10.000	867.678	867.445	5.00	0.00	0.00	0.00	1.17	12.79	1245.85	1245.85	7316.47	-6070.62
113+0.000	867.511	867.318	5.00	0.00	0.00	0.00	0.92	10.45	1245.85	1245.85	7326.92	-6081.07
113+10.000	867.344	867.145	5.00	0.00	0.00	0.00	0.91	9.18	1245.85	1245.85	7336.10	-6090.25
114+0.000	867.176	866.933	5.00	0.00	0.00	0.00	1.20	10.58	1245.85	1245.85	7346.68	-6100.83
114+10.000	867.009	866.764	5.00	0.00	0.00	0.00	1.25	12.24	1245.85	1245.85	7358.93	-6113.08
115+0.000	866.842	866.582	5.00	0.00	0.00	0.00	1.32	12.85	1245.85	1245.85	7371.78	-6125.93
115+10.000	866.674	866.383	5.00	0.00	0.00	0.00	1.54	14.33	1245.85	1245.85	7386.11	-6140.26


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116+0.000	866.507	866.194	5.00	0.00	0.00	0.00	1.70	16.18	1245.85	1245.85	7402.29	-6156.44
116+10.00 0	866.340	866.012	5.00	0.00	0.00	0.00	1.80	17.48	1245.85	1245.85	7419.77	-6173.92
117+0.000	866.173	865.840	5.00	0.00	0.00	0.00	1.78	17.91	1245.85	1245.85	7437.67	-6191.82
117+10.00 0	866.005	865.693	5.00	0.00	0.00	0.00	1.67	17.26	1245.85	1245.85	7454.93	-6209.08
118+0.000	865.838	865.556	5.00	0.00	0.00	0.00	1.51	15.87	1245.85	1245.85	7470.80	-6224.95
118+10.00 0	865.671	865.428	5.00	0.00	0.00	0.00	1.17	13.41	1245.85	1245.85	7484.21	-6238.36
119+0.000	865.503	865.298	5.00	0.00	0.00	0.00	0.90	10.39	1245.85	1245.85	7494.59	-6248.74
119+10.00 0	865.336	865.170	5.00	0.00	0.00	0.00	0.66	7.81	1245.85	1245.85	7502.40	-6256.56
120+0.000	865.169	865.054	5.00	0.03	0.16	0.16	0.34	4.99	1246.01	1246.01	7507.40	-6261.39
120+10.00 0	865.001	864.954	5.00	0.21	1.18	1.18	0.06	2.00	1247.18	1247.18	7509.40	-6262.21
121+0.000	864.834	864.870	5.00	0.70	4.50	4.50	0.00	0.28	1251.68	1251.68	7509.68	-6257.99
121+10.00 0	864.667	864.818	5.00	1.36	10.25	10.25	0.00	0.00	1261.94	1261.94	7509.68	-6247.74
122+0.000	864.500	864.730	5.00	1.83	15.93	15.93	0.00	0.00	1277.87	1277.87	7509.68	-6231.81
122+10.00 0	864.332	864.606	5.00	2.15	19.89	19.89	0.00	0.00	1297.76	1297.76	7509.68	-6211.91
123+0.000	864.165	864.545	5.00	2.91	25.28	25.28	0.00	0.00	1323.04	1323.04	7509.68	-6186.64
123+10.00 0	863.998	864.431	5.00	3.44	31.73	31.73	0.00	0.00	1354.78	1354.78	7509.68	-6154.90
124+0.000	863.830	864.238	5.00	3.23	33.35	33.35	0.00	0.00	1388.13	1388.13	7509.68	-6121.55
124+10.00 0	863.663	864.034	5.00	2.95	30.90	30.90	0.00	0.00	1419.02	1419.02	7509.68	-6090.66
125+0.000	863.496	863.828	5.00	2.62	27.85	27.85	0.00	0.00	1446.87	1446.87	7509.68	-6062.81
125+10.00 0	863.329	863.622	5.00	2.30	24.58	24.58	0.00	0.00	1471.45	1471.45	7509.68	-6038.23
126+0.000	863.161	863.348	5.00	1.60	19.46	19.46	0.00	0.00	1490.91	1490.91	7509.68	-6018.77
126+10.00 0	862.994	863.055	5.00	0.72	11.60	11.60	0.00	0.00	1502.51	1502.51	7509.68	-6007.17
127+0.000	862.803	862.767	5.00	0.13	4.28	4.28	0.04	0.19	1506.78	1506.78	7509.87	-6003.08
127+10.00 0	862.566	862.381	5.00	0.00	0.67	0.67	0.66	3.50	1507.45	1507.45	7513.36	-6005.91
128+0.000	862.284	861.960	5.00	0.00	0.00	0.00	1.45	10.62	1507.45	1507.45	7523.99	-6016.53
128+10.00 0	861.957	861.649	5.00	0.00	0.00	0.00	1.50	14.76	1507.45	1507.45	7538.75	-6031.29
129+0.000	861.608	861.309	5.00	0.00	0.00	0.00	1.51	15.03	1507.45	1507.45	7553.77	-6046.32
129+10.00 0	861.259	860.941	5.00	0.00	0.00	0.00	1.61	15.55	1507.45	1507.45	7569.32	-6061.87
130+0.000	860.910	860.469	5.00	0.00	0.00	0.00	2.41	20.10	1507.45	1507.45	7589.42	-6081.97
130+10.00 0	860.561	859.992	5.00	0.00	0.00	0.00	3.25	28.31	1507.45	1507.45	7617.74	-6110.28
131+0.000	860.211	859.513	5.00	0.00	0.00	0.00	4.13	36.95	1507.45	1507.45	7654.69	-6147.24
131+10.00 0	859.862	859.135	5.00	0.00	0.00	0.00	4.44	42.88	1507.45	1507.45	7697.57	-6190.12
132+0.000	859.513	858.813	5.00	0.00	0.00	0.00	4.30	43.77	1507.45	1507.45	7741.34	-6233.89
132+10.00 0	859.164	858.552	5.00	0.00	0.00	0.00	3.72	40.17	1507.45	1507.45	7781.52	-6274.06
133+0.000	858.815	858.347	5.00	0.00	0.00	0.00	2.62	31.79	1507.45	1507.45	7813.31	-6305.86
133+10.00 0	858.466	858.153	5.00	0.00	0.00	0.00	1.55	20.90	1507.45	1507.45	7834.21	-6326.76
134+0.000	858.117	857.963	5.00	0.00	0.02	0.02	0.57	10.60	1507.48	1507.48	7844.82	-6337.34
134+10.00 0	857.768	857.667	5.00	0.10	0.55	0.55	0.29	4.27	1508.02	1508.02	7849.08	-6341.06
135+0.000	857.419	857.398	5.00	0.25	1.76	1.76	0.01	1.53	1509.78	1509.78	7850.62	-6340.84
135+10.00 0	857.117	857.247	5.00	1.20	7.25	7.25	0.00	0.07	1517.03	1517.03	7850.69	-6333.66
136+0.000	856.904	857.116	5.00	1.72	14.56	14.56	0.00	0.00	1531.59	1531.59	7850.69	-6319.10
136+10.00 0	856.780	856.992	5.00	1.70	17.06	17.06	0.00	0.00	1548.65	1548.65	7850.69	-6302.04
137+0.000	856.746	856.869	5.00	1.09	13.94	13.94	0.00	0.00	1562.59	1562.59	7850.69	-6288.10
137+10.00 0	856.756	856.763	5.00	0.33	7.02	7.02	0.00	0.00	1569.61	1569.61	7850.69	-6281.08
138+0.000	856.765	856.670	5.00	0.00	1.64	1.64	0.34	1.74	1571.26	1571.26	7852.43	-6281.17


138+10.00 0	856.774	856.589	5.00	0.00	0.03	0.03	0.85	5.99	1571.29	1571.29	7858.42	-6287.13
139+0.000	856.784	856.536	5.00	0.00	0.00	0.00	1.21	10.29	1571.29	1571.29	7868.71	-6297.43
139+10.00 0	856.793	856.515	5.00	0.00	0.00	0.00	1.42	13.21	1571.29	1571.29	7881.92	-6310.63
140+0.000	856.802	856.649	5.00	0.03	0.16	0.16	0.88	11.53	1571.44	1571.44	7893.44	-6322.00
140+10.00 0	856.811	856.713	5.00	0.04	0.35	0.35	0.62	7.41	1571.79	1571.79	7900.85	-6329.06
141+0.000	856.821	856.710	5.00	0.00	0.18	0.18	0.60	6.14	1571.97	1571.97	7906.99	-6335.01
141+10.00 0	856.830	856.581	5.00	0.00	0.00	0.00	0.91	7.57	1571.97	1571.97	7914.56	-6342.58
142+0.000	856.839	856.578	5.00	0.00	0.00	0.00	0.58	7.50	1571.97	1571.97	7922.06	-6350.09
142+10.00 0	856.848	856.750	5.00	0.10	0.52	0.52	0.11	3.45	1572.50	1572.50	7925.51	-6353.01
143+0.000	856.858	856.835	5.00	0.12	1.15	1.15	0.05	0.79	1573.65	1573.65	7926.30	-6352.65
143+10.00 0	856.867	856.870	5.00	0.16	1.39	1.39	0.02	0.33	1575.03	1575.03	7926.62	-6351.59
144+0.000	856.876	856.847	5.00	0.22	1.91	1.91	0.09	0.56	1576.95	1576.95	7927.18	-6350.24
144+10.00 0	856.886	856.890	5.00	0.36	2.91	2.91	0.00	0.48	1579.86	1579.86	7927.66	-6347.80
145+0.000	856.895	856.961	5.00	0.76	5.61	5.61	0.00	0.01	1585.47	1585.47	7927.68	-6342.21
145+10.00 0	856.904	857.064	5.00	1.28	10.21	10.21	0.00	0.00	1595.67	1595.67	7927.68	-6332.00
146+0.000	856.913	857.035	5.00	1.20	12.64	12.64	0.00	0.00	1608.31	1608.31	7927.68	-6319.36
146+10.00 0	856.923	856.950	5.00	1.00	10.84	10.84	0.00	0.00	1619.15	1619.15	7927.68	-6308.52
147+0.000	856.932	856.806	5.00	0.78	8.81	8.81	0.37	1.87	1627.96	1627.96	7929.54	-6301.58
147+10.00 0	856.941	857.070	5.00	1.48	10.81	10.81	0.01	1.98	1638.77	1638.77	7931.52	-6292.75
148+0.000	856.959	857.315	5.00	2.52	20.84	20.84	0.00	0.06	1659.61	1659.61	7931.58	-6271.97
148+10.00 0	857.016	857.264	5.00	1.93	22.23	22.23	0.00	0.00	1681.84	1681.84	7931.58	-6249.74
149+0.000	857.116	857.319	5.00	1.76	18.00	18.00	0.00	0.00	1699.84	1699.84	7931.58	-6231.74
149+10.00 0	857.258	857.424	5.00	1.41	15.73	15.73	0.00	0.00	1715.57	1715.57	7931.58	-6216.01
150+0.000	857.434	857.578	5.00	1.07	12.41	12.41	0.00	0.00	1727.97	1727.97	7931.58	-6203.60
150+10.00 0	857.612	857.761	5.00	1.28	11.47	11.47	0.00	0.00	1739.45	1739.45	7931.58	-6192.13
151+0.000	857.791	857.965	5.00	1.59	14.31	14.31	0.00	0.00	1753.75	1753.75	7931.58	-6177.83
151+10.00 0	857.969	858.213	5.00	2.21	18.97	18.97	0.00	0.00	1772.72	1772.72	7931.58	-6158.86
152+0.000	858.148	858.480	5.00	2.69	24.62	24.62	0.00	0.00	1797.35	1797.35	7931.58	-6134.23
152+10.00 0	858.326	858.732	5.00	2.97	28.53	28.53	0.00	0.00	1825.88	1825.88	7931.58	-6105.70
153+0.000	858.505	858.827	5.00	2.54	27.58	27.58	0.00	0.00	1853.45	1853.45	7931.58	-6078.13
153+10.00 0	858.683	858.937	5.00	2.00	22.83	22.83	0.00	0.00	1876.28	1876.28	7931.58	-6055.29
154+0.000	858.826	859.042	5.00	1.61	18.27	18.27	0.00	0.00	1894.56	1894.56	7931.58	-6037.02
154+10.00 0	858.862	859.041	5.00	1.32	14.74	14.74	0.00	0.00	1909.30	1909.30	7931.58	-6022.28
155+0.000	858.788	858.982	5.00	1.30	13.21	13.21	0.00	0.00	1922.51	1922.51	7931.58	-6009.07
155+10.00 0	858.605	858.871	5.00	1.60	14.50	14.50	0.00	0.00	1937.02	1937.02	7931.58	-5994.56
156+0.000	858.348	858.613	5.00	1.60	16.00	16.00	0.00	0.00	1953.02	1953.02	7931.58	-5978.56
156+10.00 0	858.088	858.355	5.00	1.64	16.22	16.22	0.00	0.00	1969.24	1969.24	7931.58	-5962.34
157+0.000	857.829	858.099	5.00	1.66	16.51	16.51	0.00	0.00	1985.75	1985.75	7931.58	-5945.83
157+10.00 0	857.570	857.830	5.00	1.58	16.19	16.19	0.00	0.00	2001.94	2001.94	7931.58	-5929.64
158+0.000	857.310	857.542	5.00	1.32	14.49	14.49	0.00	0.00	2016.43	2016.43	7931.58	-5915.14
158+10.00 0	857.051	857.224	5.00	0.98	11.45	11.45	0.00	0.00	2027.89	2027.89	7931.58	-5903.69
159+0.000	856.791	856.870	5.00	1.00	9.86	9.86	0.06	0.29	2037.75	2037.75	7931.87	-5894.12
159+10.00 0	856.532	856.504	5.00	0.96	9.78	9.78	0.36	2.07	2047.52	2047.52	7933.94	-5886.41
160+0.000	856.272	856.128	5.00	0.73	8.45	8.45	0.74	5.50	2055.98	2055.98	7939.44	-5883.46
160+10.00 0	856.013	855.802	5.00	0.34	5.37	5.37	1.04	8.92	2061.35	2061.35	7948.36	-5887.01


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161+0.000	855.754	855.493	5.00	0.12	2.30	2.30	1.39	12.22	2063.65	2063.65	7960.58	-5896.93
161+10.00 0	855.494	855.179	5.00	0.07	0.97	0.97	1.53	14.62	2064.62	2064.62	7975.20	-5910.58
162+0.000	855.235	854.871	5.00	0.05	0.59	0.59	1.45	14.88	2065.21	2065.21	7990.09	-5924.87
162+10.00 0	854.975	854.569	5.00	0.03	0.37	0.37	1.69	15.67	2065.58	2065.58	8005.75	-5940.17
163+0.000	854.716	854.315	5.00	0.00	0.14	0.14	1.85	17.71	2065.72	2065.72	8023.46	-5957.74
163+10.00 0	854.457	854.112	5.00	0.00	0.00	0.00	1.72	17.85	2065.72	2065.72	8041.31	-5975.59
164+0.000	854.197	853.956	5.00	0.00	0.00	0.00	1.13	14.26	2065.72	2065.72	8055.56	-5989.84
164+10.00 0	853.955	853.823	5.00	0.05	0.27	0.27	0.52	8.29	2065.98	2065.98	8063.85	-5997.87
165+0.000	853.771	853.696	5.00	0.15	1.00	1.00	0.25	3.92	2066.98	2066.98	8067.77	-6000.79
165+10.00 0	853.645	853.574	5.00	0.21	1.79	1.79	0.23	2.40	2068.77	2068.77	8070.17	-6001.40
166+0.000	853.579	853.485	5.00	0.17	1.86	1.86	0.35	2.88	2070.63	2070.63	8073.05	-6002.42
166+10.00 0	853.555	853.411	5.00	0.07	1.22	1.22	0.59	4.68	2071.85	2071.85	8077.72	-6005.88
167+0.000	853.532	853.359	5.00	0.02	0.45	0.45	0.75	6.71	2072.30	2072.30	8084.43	-6012.13
167+10.00 0	853.509	853.336	5.00	0.00	0.09	0.09	0.82	7.87	2072.39	2072.39	8092.30	-6019.91
168+0.000	853.486	853.322	5.00	0.00	0.00	0.00	0.80	8.03	2072.39	2072.39	8100.33	-6027.94
168+10.00 0	853.464	853.270	5.00	0.00	0.00	0.00	1.00	8.99	2072.39	2072.39	8109.31	-6036.92
169+0.000	853.441	853.292	5.00	0.00	0.00	0.00	0.93	9.71	2072.39	2072.39	8119.03	-6046.63
169+10.00 0	853.418	853.358	5.00	0.00	0.00	0.00	0.36	6.42	2072.39	2072.39	8125.45	-6053.06
170+0.000	853.395	853.346	5.00	0.03	0.16	0.16	0.18	2.69	2072.55	2072.55	8128.14	-6055.59
170+10.00 0	853.372	853.334	5.00	0.05	0.41	0.41	0.13	1.58	2072.96	2072.96	8129.72	-6056.77
171+0.000	853.349	853.322	5.00	0.07	0.61	0.61	0.09	1.12	2073.57	2073.57	8130.84	-6057.27
171+10.00 0	853.326	853.333	5.00	0.17	1.22	1.22	0.00	0.45	2074.79	2074.79	8131.29	-6056.51
172+0.000	853.304	853.344	5.00	0.35	2.68	2.68	0.00	0.00	2077.46	2077.46	8131.30	-6053.83
172+10.00 0	853.281	853.333	5.00	0.36	3.57	3.57	0.02	0.11	2081.04	2081.04	8131.41	-6050.37
173+0.000	853.211	853.180	5.00	0.04	2.09	2.09	0.19	1.00	2083.13	2083.13	8132.41	-6049.28
173+10.00 0	853.051	852.999	5.00	0.00	0.22	0.22	0.35	2.64	2083.34	2083.34	8135.05	-6051.71
174+0.000	852.802	852.806	5.00	0.00	0.00	0.00	0.24	2.87	2083.34	2083.34	8137.92	-6054.58
174+10.00 0	852.463	852.459	5.00	0.03	0.15	0.15	0.04	1.39	2083.49	2083.49	8139.31	-6055.81
175+0.000	852.081	852.092	5.00	0.19	1.09	1.09	0.00	0.21	2084.59	2084.59	8139.52	-6054.93
175+10.00 0	851.700	851.715	5.00	0.25	2.21	2.21	0.00	0.02	2086.80	2086.80	8139.54	-6052.74
176+0.000	851.318	851.326	5.00	0.22	2.32	2.32	0.00	0.00	2089.12	2089.12	8139.54	-6050.42
176+10.00 0	850.936	850.981	5.00	0.47	3.44	3.44	0.00	0.00	2092.56	2092.56	8139.54	-6046.97
177+0.000	850.554	850.658	5.00	0.88	6.80	6.80	0.00	0.00	2099.37	2099.37	8139.54	-6040.17
177+10.00 0	850.172	850.360	5.00	1.43	11.57	11.57	0.00	0.00	2110.94	2110.94	8139.54	-6028.60
178+0.000	849.790	849.949	5.00	1.13	12.80	12.80	0.00	0.00	2123.74	2123.74	8139.54	-6015.80
178+10.00 0	849.409	849.532	5.00	0.63	8.81	8.81	0.00	0.02	2132.54	2132.54	8139.55	-6007.01
179+0.000	849.027	849.202	5.00	0.75	6.91	6.91	0.53	2.66	2139.45	2139.45	8142.21	-6002.76
179+10.00 0	848.645	848.464	5.00	0.59	6.81	6.81	1.41	9.52	2146.26	2146.26	8151.73	-6005.47
180+0.000	848.263	847.801	5.00	0.00	2.88	2.88	2.82	21.30	2149.15	2149.15	8173.03	-6023.88
180+10.00 0	847.881	847.878	5.00	0.13	0.66	0.66	0.53	16.75	2149.81	2149.81	8189.78	-6039.97
181+0.000	847.499	847.662	5.00	0.91	5.24	5.24	0.00	2.60	2155.04	2155.04	8192.37	-6037.33
181+10.00 0	847.117	847.328	5.00	1.63	12.67	12.67	0.00	0.00	2167.72	2167.72	8192.37	-6024.66
182+0.000	846.736	846.997	5.00	2.00	18.13	18.13	0.00	0.00	2185.84	2185.84	8192.37	-6006.53
182+10.00 0	846.354	846.658	5.00	2.30	21.50	21.50	0.00	0.00	2207.34	2207.34	8192.37	-5985.03
183+0.000	845.972	846.304	5.00	2.29	22.93	22.93	0.00	0.00	2230.27	2230.27	8192.37	-5962.10


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183+10.00 0	845.590	845.766	5.00	1.19	17.40	17.40	0.00	0.00	2247.67	2247.67	8192.37	-5944.70
184+0.000	845.208	845.301	5.00	0.78	9.90	9.90	0.00	0.00	2257.57	2257.57	8192.37	-5934.80
184+10.00 0	844.826	844.910	5.00	0.66	7.21	7.21	0.00	0.00	2264.78	2264.78	8192.37	-5927.60
185+0.000	844.445	844.448	5.00	0.15	4.03	4.03	0.00	0.00	2268.80	2268.80	8192.37	-5923.57
185+10.00 0	844.063	843.977	5.00	0.00	0.74	0.74	0.33	1.63	2269.54	2269.54	8194.00	-5924.46
186+0.000	843.681	843.496	5.00	0.00	0.00	0.00	0.96	6.42	2269.54	2269.54	8200.42	-5930.88
186+10.00 0	843.299	842.983	5.00	0.00	0.00	0.00	1.86	14.09	2269.54	2269.54	8214.50	-5944.97
187+0.000	842.917	842.460	5.00	0.00	0.00	0.00	2.90	23.82	2269.54	2269.54	8238.32	-5968.78
187+10.00 0	842.535	841.927	5.00	0.00	0.00	0.00	4.10	35.04	2269.54	2269.54	8273.36	-6003.82
188+0.000	842.154	841.388	5.00	0.00	0.00	0.00	5.45	47.76	2269.54	2269.54	8321.12	-6051.58
188+10.00 0	841.772	840.922	5.00	0.00	0.00	0.00	5.92	56.87	2269.54	2269.54	8377.98	-6108.45
189+0.000	841.390	840.646	5.00	0.00	0.00	0.00	4.99	54.53	2269.54	2269.54	8432.52	-6162.98
189+10.00 0	841.008	840.376	5.00	0.00	0.00	0.00	4.05	45.19	2269.54	2269.54	8477.71	-6208.17
190+0.000	840.626	840.118	5.00	0.00	0.00	0.00	2.82	34.33	2269.54	2269.54	8512.04	-6242.50
190+10.00 0	840.244	839.913	5.00	0.02	0.11	0.11	1.17	19.94	2269.65	2269.65	8531.98	-6262.33
191+0.000	839.862	839.720	5.00	0.79	4.05	4.05	0.33	7.53	2273.70	2273.70	8539.51	-6265.81
191+7.267	839.585	839.585	3.63	1.70	9.04	9.04	0.00	1.21	2282.74	2282.74	8540.72	-6257.98


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Relatório de Volumes

TRECHO ESPINHOS I

Estaca Inicial: 0+0.000

Estaca Final: 153+15.609


Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	726.201	726.201	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	726.501	726.650	5.00	2.03	12.30	12.30	0.00	0.00	12.30	12.30	0.00	12.30
1+0.000	726.800	726.987	5.00	2.57	22.98	22.98	0.00	0.00	35.28	35.28	0.00	35.28
1+10.000	727.100	727.345	5.00	1.98	22.72	22.72	0.00	0.00	58.01	58.01	0.00	58.01
2+0.000	727.378	727.539	5.00	1.22	15.98	15.98	0.00	0.00	73.99	73.99	0.00	73.99
2+10.000	727.576	727.648	5.00	0.31	7.66	7.66	0.00	0.00	81.65	81.65	0.00	81.65
3+0.000	727.693	727.669	5.00	0.00	1.57	1.57	0.35	1.73	83.22	83.22	1.73	81.49
3+10.000	727.726	727.595	5.00	0.00	0.00	0.00	0.89	6.14	83.22	83.22	7.87	75.35
4+0.000	727.699	727.527	5.00	0.00	0.00	0.00	1.06	9.74	83.22	83.22	17.61	65.61
4+10.000	727.668	727.488	5.00	0.00	0.00	0.00	1.05	10.56	83.22	83.22	28.17	55.05
5+0.000	727.637	727.487	5.00	0.00	0.00	0.00	0.82	9.35	83.22	83.22	37.52	45.70
5+10.000	727.607	727.492	5.00	0.00	0.00	0.00	0.57	6.93	83.22	83.22	44.45	38.77
6+0.000	727.576	727.493	5.00	0.00	0.00	0.00	0.36	4.67	83.22	83.22	49.12	34.10
6+10.000	727.545	727.437	5.00	0.00	0.00	0.00	0.39	3.78	83.23	83.23	52.90	30.32
7+0.000	727.515	727.369	5.00	0.00	0.00	0.00	0.56	4.75	83.23	83.23	57.65	25.58
7+10.000	727.484	727.308	5.00	0.00	0.00	0.00	0.75	6.52	83.23	83.23	64.18	19.05
8+0.000	727.453	727.259	5.00	0.00	0.00	0.00	0.89	8.18	83.23	83.23	72.35	10.88
8+10.000	727.423	727.282	5.00	0.00	0.00	0.00	0.66	7.75	83.23	83.23	80.10	3.13
9+0.000	727.392	727.231	5.00	0.00	0.00	0.00	0.69	6.73	83.23	83.23	86.83	-3.60
9+10.000	727.369	727.317	5.00	0.04	0.21	0.21	0.12	4.05	83.44	83.44	90.88	-7.44
10+0.000	727.409	727.425	5.00	0.45	2.44	2.44	0.00	0.61	85.88	85.88	91.49	-5.61
10+10.000	727.522	727.438	5.00	0.04	2.42	2.42	0.21	1.04	88.30	88.30	92.53	-4.23
11+0.000	727.708	727.594	5.00	0.17	1.03	1.03	0.31	2.60	89.33	89.33	95.13	-5.80
11+10.000	727.960	727.761	5.00	0.04	1.04	1.04	0.73	5.23	90.37	90.37	100.35	-9.98
12+0.000	728.221	727.935	5.00	0.00	0.20	0.20	1.23	9.82	90.57	90.57	110.17	-19.59
12+10.000	728.483	728.132	5.00	0.00	0.00	0.00	1.96	15.96	90.57	90.57	126.12	-35.55
13+0.000	728.745	728.229	5.00	0.00	0.00	0.00	3.16	25.55	90.57	90.57	151.68	-61.10
13+10.000	729.007	728.352	5.00	0.00	0.00	0.00	4.26	37.09	90.57	90.57	188.77	-98.20
14+0.000	729.269	728.488	5.00	0.00	0.00	0.00	5.32	47.92	90.57	90.57	236.69	-146.12
14+10.000	729.531	728.637	5.00	0.00	0.00	0.00	6.33	58.23	90.57	90.57	294.92	-204.35
15+0.000	729.793	728.789	5.00	0.00	0.00	0.00	7.36	68.43	90.57	90.57	363.35	-272.78
15+10.000	730.055	728.952	5.00	0.00	0.00	0.00	8.32	78.39	90.57	90.57	441.74	-351.17
16+0.000	730.317	729.130	5.00	0.00	0.00	0.00	9.17	87.42	90.57	90.57	529.16	-438.59
16+10.000	730.579	729.346	5.00	0.00	0.00	0.00	9.58	93.73	90.57	90.57	622.90	-532.32
17+0.000	730.841	729.594	5.00	0.00	0.00	0.00	9.35	94.65	90.57	90.57	717.54	-626.97
17+10.000	731.103	729.901	5.00	0.00	0.00	0.00	9.31	93.32	90.57	90.57	810.86	-720.29
18+0.000	731.364	730.094	5.00	0.00	0.00	0.00	9.97	95.81	90.57	90.57	906.68	-816.11
18+10.000	731.626	730.136	5.00	0.00	0.00	0.00	10.66	102.99	90.57	90.57	1009.67	-919.10
19+0.000	731.888	730.570	5.00	0.00	0.00	0.00	10.24	104.51	90.57	90.57	1114.18	-1023.60
19+10.000	732.150	731.097	5.00	0.00	0.00	0.00	8.31	92.72	90.57	90.57	1206.90	-1116.32
20+0.000	732.412	731.720	5.00	0.00	0.00	0.00	5.64	69.73	90.57	90.57	1276.63	-1186.05
20+10.000	732.674	732.209	5.00	0.00	0.00	0.00	3.27	44.54	90.57	90.57	1321.17	-1230.60
21+0.000	732.936	732.705	5.00	0.00	0.00	0.00	1.58	24.29	90.57	90.57	1345.47	-1254.89
21+10.000	733.198	733.255	5.00	0.22	1.11	1.11	0.04	8.12	91.68	91.68	1353.58	-1261.90
22+0.000	733.460	733.802	5.00	1.96	10.96	10.96	0.00	0.19	102.64	102.64	1353.78	-1251.14
22+10.000	733.722	734.254	5.00	3.51	27.73	27.73	0.00	0.00	130.37	130.37	1353.78	-1223.40
23+0.000	733.984	734.436	5.00	2.97	32.65	32.65	0.00	0.00	163.03	163.03	1353.78	-1190.75
23+10.000	734.246	734.525	5.00	1.79	24.14	24.14	0.00	0.00	187.17	187.17	1353.78	-1166.61
24+0.000	734.508	734.590	5.00	0.62	12.12	12.12	0.00	0.00	199.29	199.29	1353.78	-1154.49
24+10.000	734.769	734.734	5.00	0.09	3.52	3.52	0.20	0.98	202.81	202.81	1354.76	-1151.94
25+0.000	735.031	734.910	5.00	0.00	0.43	0.43	0.58	3.90	203.24	203.24	1358.66	-1155.41


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25+10.000	735.293	735.099	5.00	0.00	0.00	0.00	1.09	8.35	203.24	203.24	1367.01	-1163.76
26+0.000	735.555	735.267	5.00	0.00	0.00	0.00	1.75	14.17	203.24	203.24	1381.17	-1177.93
26+10.000	735.817	735.439	5.00	0.00	0.00	0.00	2.41	20.86	203.24	203.24	1402.03	-1198.79
27+0.000	736.079	735.617	5.00	0.00	0.00	0.00	2.91	26.59	203.24	203.24	1428.62	-1225.38
27+10.000	736.341	735.809	5.00	0.00	0.00	0.00	3.12	30.23	203.24	203.24	1458.85	-1255.61
28+0.000	736.603	736.012	5.00	0.00	0.00	0.00	2.96	30.49	203.24	203.24	1489.33	-1286.09
28+10.000	736.865	736.233	5.00	0.09	0.46	0.46	2.71	28.34	203.70	203.70	1517.68	-1313.97
29+0.000	737.127	736.861	5.00	0.45	2.65	2.65	2.15	24.59	206.35	206.35	1542.27	-1335.92
29+10.000	737.389	737.569	5.00	0.57	5.06	5.06	1.32	17.33	211.41	211.41	1559.59	-1348.18
30+0.000	737.651	737.759	5.00	0.40	4.82	4.82	0.47	8.95	216.24	216.24	1568.54	-1352.31
30+10.000	737.913	737.850	5.00	0.08	2.40	2.40	0.23	3.50	218.64	218.64	1572.04	-1353.40
31+0.000	738.174	737.794	5.00	0.00	0.41	0.41	1.50	8.65	219.04	219.04	1580.69	-1361.65
31+10.000	738.436	737.739	5.00	0.00	0.00	0.00	3.58	25.39	219.04	219.04	1606.08	-1387.04
32+0.000	738.698	737.760	5.00	0.00	0.00	0.00	5.67	46.32	219.04	219.04	1652.40	-1433.36
32+10.000	738.960	737.980	5.00	0.00	0.00	0.00	6.63	61.48	219.04	219.04	1713.88	-1494.84
33+0.000	739.222	738.224	5.00	0.00	0.00	0.00	7.22	69.23	219.04	219.04	1783.11	-1564.06
33+10.000	739.484	738.477	5.00	0.00	0.00	0.00	7.44	73.33	219.04	219.04	1856.44	-1637.40
34+0.000	739.746	738.732	5.00	0.00	0.00	0.00	7.53	74.88	219.04	219.04	1931.32	-1712.27
34+10.000	740.008	738.976	5.00	0.00	0.00	0.00	7.67	76.04	219.04	219.04	2007.36	-1788.32
35+0.000	740.270	739.214	5.00	0.00	0.00	0.00	7.88	77.78	219.04	219.04	2085.13	-1866.09
35+10.000	740.532	739.460	5.00	0.00	0.00	0.00	8.04	79.60	219.04	219.04	2164.74	-1945.70
36+0.000	740.794	739.754	5.00	0.00	0.00	0.00	7.72	78.78	219.04	219.04	2243.52	-2024.48
36+10.000	741.056	740.078	5.00	0.00	0.00	0.00	7.13	74.26	219.04	219.04	2317.78	-2098.73
37+0.000	741.317	740.331	5.00	0.00	0.00	0.00	7.21	71.72	219.04	219.04	2389.49	-2170.45
37+10.000	741.579	740.841	5.00	0.00	0.00	0.00	4.90	60.55	219.04	219.04	2450.05	-2231.00
38+0.000	741.841	741.553	5.00	0.00	0.00	0.00	1.48	31.90	219.04	219.04	2481.94	-2262.90
38+10.000	742.103	741.669	5.00	0.00	0.00	0.00	2.56	20.20	219.04	219.04	2502.15	-2283.10
39+0.000	742.365	741.764	5.00	0.00	0.00	0.00	3.85	32.04	219.04	219.04	2534.19	-2315.15
39+10.000	742.627	741.859	5.00	0.00	0.00	0.00	5.24	45.43	219.04	219.04	2579.62	-2360.58
40+0.000	742.889	741.955	5.00	0.00	0.00	0.00	6.75	59.93	219.04	219.04	2639.55	-2420.51
40+10.000	743.151	742.175	5.00	0.00	0.00	0.00	7.09	69.19	219.04	219.04	2708.74	-2489.69
41+0.000	743.413	742.515	5.00	0.00	0.00	0.00	6.75	69.21	219.04	219.04	2777.95	-2558.91
41+10.000	743.675	742.690	5.00	0.00	0.00	0.00	7.66	72.03	219.04	219.04	2849.98	-2630.93
42+0.000	743.937	742.838	5.00	0.00	0.00	0.00	8.48	80.69	219.04	219.04	2930.67	-2711.63
42+10.000	744.199	742.954	5.00	0.00	0.00	0.00	9.17	88.23	219.04	219.04	3018.90	-2799.85
43+0.000	744.461	743.268	5.00	0.00	0.00	0.00	8.54	88.64	219.04	219.04	3107.54	-2888.49
43+10.000	744.722	743.619	5.00	0.00	0.00	0.00	7.56	80.52	219.04	219.04	3188.06	-2969.02
44+0.000	744.984	743.969	5.00	0.00	0.00	0.00	6.56	70.60	219.04	219.04	3258.66	-3039.62
44+10.000	745.246	744.614	5.00	0.00	0.00	0.00	4.54	55.28	219.04	219.04	3313.94	-3094.89
45+0.000	745.508	745.270	5.00	0.00	0.00	0.00	2.13	33.23	219.04	219.04	3347.17	-3128.13
45+10.000	745.770	745.312	5.00	0.00	0.00	0.00	1.66	18.88	219.04	219.04	3366.05	-3147.01
46+0.000	746.032	745.673	5.00	0.00	0.00	0.00	1.09	13.78	219.05	219.05	3379.83	-3160.78
46+10.000	746.294	746.055	5.00	0.11	0.52	0.52	0.81	9.54	219.57	219.57	3389.36	-3169.79
47+0.000	746.556	746.220	5.00	0.49	2.95	2.95	1.05	9.28	222.52	222.52	3398.64	-3176.12
47+10.000	746.818	746.686	5.00	1.04	7.56	7.56	0.36	7.06	230.09	230.09	3405.70	-3175.62


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48+0.000	747.080	747.231	5.00	2.36	16.75	16.75	0.00	1.81	246.83	246.83	3407.52	-3160.68
48+10.000	747.342	747.842	5.00	4.39	33.74	33.74	0.00	0.00	280.58	280.58	3407.52	-3126.94
49+0.000	747.604	748.365	5.00	5.66	50.23	50.23	0.00	0.00	330.81	330.81	3407.52	-3076.71
49+10.000	747.866	748.678	5.00	5.63	56.43	56.43	0.00	0.00	387.24	387.24	3407.52	-3020.28
50+0.000	748.127	748.886	5.00	5.10	53.52	53.52	0.00	0.00	440.76	440.76	3407.52	-2966.75
50+10.000	748.389	749.060	5.00	4.41	47.62	47.62	0.00	0.00	488.38	488.38	3407.52	-2919.14
51+0.000	748.651	749.223	5.00	3.59	40.00	40.00	0.00	0.00	528.38	528.38	3407.52	-2879.14
51+10.000	748.913	749.310	5.00	2.28	29.55	29.55	0.00	0.00	557.92	557.92	3407.52	-2849.59
52+0.000	749.175	749.362	5.00	0.93	16.05	16.05	0.11	0.55	573.97	573.97	3408.06	-2834.09
52+10.000	749.437	749.401	5.00	0.05	4.89	4.89	0.61	3.57	578.86	578.86	3411.63	-2832.77
53+0.000	749.689	749.487	5.00	0.00	0.25	0.25	1.41	10.10	579.11	579.11	3421.73	-2842.62
53+10.000	749.911	749.605	5.00	0.00	0.00	0.00	1.73	15.70	579.11	579.11	3437.43	-2858.32
54+0.000	750.103	749.687	5.00	0.00	0.00	0.00	2.24	19.84	579.11	579.11	3457.26	-2878.15
54+10.000	750.263	749.791	5.00	0.00	0.00	0.00	2.71	24.75	579.11	579.11	3482.01	-2902.90
55+0.000	750.403	749.922	5.00	0.00	0.00	0.00	2.81	27.58	579.11	579.11	3509.59	-2930.48
55+10.000	750.543	750.006	5.00	0.00	0.00	0.00	3.12	29.65	579.11	579.11	3539.24	-2960.13
56+0.000	750.682	750.097	5.00	0.00	0.00	0.00	3.48	33.04	579.11	579.11	3572.28	-2993.17
56+10.000	750.822	750.204	5.00	0.00	0.00	0.00	3.76	36.23	579.11	579.11	3608.50	-3029.39
57+0.000	750.961	750.327	5.00	0.00	0.00	0.00	3.97	38.65	579.11	579.11	3647.16	-3068.05
57+10.000	751.101	750.448	5.00	0.00	0.00	0.00	4.10	40.37	579.11	579.11	3687.52	-3108.41
58+0.000	751.240	750.555	5.00	0.00	0.00	0.00	4.29	41.94	579.11	579.11	3729.47	-3150.36
58+10.000	751.379	750.693	5.00	0.00	0.00	0.00	4.33	43.11	579.11	579.11	3772.58	-3193.47
59+0.000	751.519	750.837	5.00	0.00	0.00	0.00	4.36	43.42	579.11	579.11	3815.99	-3236.88
59+10.000	751.658	750.963	5.00	0.00	0.00	0.00	4.47	44.14	579.11	579.11	3860.13	-3281.02
60+0.000	751.798	751.075	5.00	0.00	0.00	0.00	4.64	45.54	579.11	579.11	3905.67	-3326.56
60+10.000	751.937	751.184	5.00	0.00	0.00	0.00	4.83	47.35	579.11	579.11	3953.02	-3373.91
61+0.000	752.076	751.320	5.00	0.00	0.00	0.00	4.89	48.56	579.11	579.11	4001.57	-3422.46
61+10.000	752.216	751.466	5.00	0.00	0.00	0.00	4.89	48.88	579.11	579.11	4050.46	-3471.35
62+0.000	752.355	751.620	5.00	0.00	0.00	0.00	4.84	48.67	579.11	579.11	4099.13	-3520.02
62+10.000	752.495	751.825	5.00	0.00	0.00	0.00	4.44	46.41	579.11	579.11	4145.54	-3566.43
63+0.000	752.634	752.033	5.00	0.00	0.00	0.00	3.96	42.00	579.11	579.11	4187.54	-3608.43
63+10.000	752.774	752.244	5.00	0.00	0.00	0.00	3.43	36.95	579.11	579.11	4224.49	-3645.38
64+0.000	752.913	752.417	5.00	0.00	0.00	0.00	3.11	32.69	579.11	579.11	4257.18	-3678.07
64+10.000	753.052	752.591	5.00	0.00	0.00	0.00	2.79	29.50	579.11	579.11	4286.68	-3707.57
65+0.000	753.192	752.770	5.00	0.00	0.00	0.00	2.46	26.27	579.11	579.11	4312.95	-3733.84
65+10.000	753.331	752.962	5.00	0.00	0.00	0.00	2.10	22.82	579.11	579.11	4335.77	-3756.66
66+0.000	753.471	753.144	5.00	0.00	0.00	0.00	1.78	19.41	579.11	579.11	4355.18	-3776.07
66+10.000	753.610	753.306	5.00	0.00	0.00	0.00	1.55	16.68	579.11	579.11	4371.86	-3792.75
67+0.000	753.750	753.487	5.00	0.00	0.00	0.00	1.25	14.02	579.11	579.11	4385.88	-3806.77
67+10.000	753.889	753.704	5.00	0.00	0.00	0.00	0.80	10.23	579.11	579.11	4396.11	-3817.00
68+0.000	754.028	753.913	5.00	0.00	0.00	0.00	0.37	5.82	579.11	579.11	4401.93	-3822.82
68+10.000	754.168	754.123	5.00	0.12	0.62	0.62	0.05	2.10	579.73	579.73	4404.03	-3824.31
69+0.000	754.307	754.339	5.00	0.47	2.97	2.97	0.00	0.26	582.70	582.70	4404.30	-3821.60
69+10.000	754.447	754.492	5.00	0.51	4.91	4.91	0.00	0.00	587.61	587.61	4404.30	-3816.69
70+0.000	754.586	754.640	5.00	0.67	5.89	5.89	0.00	0.00	593.50	593.50	4404.30	-3810.79


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70+10.000	754.725	754.830	5.00	1.00	8.32	8.32	0.00	0.00	601.83	601.83	4404.30	-3802.47
71+0.000	754.865	755.012	5.00	1.28	11.40	11.40	0.00	0.00	613.23	613.23	4404.30	-3791.07
71+10.000	755.004	755.196	5.00	1.76	15.22	15.22	0.00	0.00	628.45	628.45	4404.30	-3775.84
72+0.000	755.144	755.450	5.00	2.60	21.82	21.82	0.00	0.00	650.27	650.27	4404.30	-3754.03
72+10.000	755.283	755.703	5.00	3.49	30.46	30.46	0.00	0.00	680.72	680.72	4404.30	-3723.57
73+0.000	755.423	755.957	5.00	4.43	39.61	39.61	0.00	0.00	720.34	720.34	4404.30	-3683.96
73+10.000	755.562	756.211	5.00	5.42	49.27	49.27	0.00	0.00	769.61	769.61	4404.30	-3634.69
74+0.000	755.732	756.457	5.00	6.13	57.76	57.76	0.00	0.00	827.37	827.37	4404.30	-3576.92
74+10.000	755.951	756.685	5.00	6.07	61.03	61.03	0.00	0.00	888.41	888.41	4404.30	-3515.89
75+0.000	756.217	756.870	5.00	5.38	57.26	57.26	0.00	0.00	945.67	945.67	4404.30	-3458.63
75+10.000	756.532	757.064	5.00	4.37	48.73	48.73	0.00	0.00	994.40	994.40	4404.30	-3409.89
76+0.000	756.864	757.265	5.00	3.30	38.35	38.35	0.00	0.00	1032.75	1032.75	4404.30	-3371.55
76+10.000	757.197	757.481	5.00	2.37	28.36	28.36	0.00	0.00	1061.11	1061.11	4404.30	-3343.19
77+0.000	757.529	757.666	5.00	1.40	18.85	18.85	0.00	0.00	1079.95	1079.95	4404.30	-3324.34
77+10.000	757.862	757.835	5.00	0.42	9.10	9.10	0.01	0.07	1089.05	1089.05	4404.37	-3315.31
78+0.000	758.194	758.009	5.00	0.05	2.36	2.36	0.58	2.98	1091.41	1091.41	4407.35	-3315.94
78+10.000	758.527	758.271	5.00	0.00	0.25	0.25	1.19	8.87	1091.65	1091.65	4416.22	-3324.57
79+0.000	758.860	758.600	5.00	0.00	0.00	0.00	1.54	13.65	1091.65	1091.65	4429.87	-3338.22
79+10.000	759.192	758.790	5.00	0.00	0.00	0.00	2.28	19.07	1091.65	1091.65	4448.94	-3357.29
80+0.000	759.525	759.023	5.00	0.00	0.00	0.00	2.98	26.30	1091.65	1091.65	4475.24	-3383.58
80+10.000	759.857	759.297	5.00	0.00	0.00	0.00	3.55	32.67	1091.65	1091.65	4507.90	-3416.25
81+0.000	760.190	759.571	5.00	0.00	0.00	0.00	4.03	37.88	1091.65	1091.65	4545.78	-3454.13
81+10.000	760.522	759.844	5.00	0.00	0.00	0.00	4.52	42.71	1091.65	1091.65	4588.50	-3496.84
82+0.000	760.855	760.124	5.00	0.00	0.00	0.00	4.97	47.43	1091.65	1091.65	4635.93	-3544.28
82+10.000	761.187	760.415	5.00	0.00	0.00	0.00	5.31	51.45	1091.65	1091.65	4687.38	-3595.73
83+0.000	761.520	760.723	5.00	0.00	0.00	0.00	5.71	55.08	1091.65	1091.65	4742.46	-3650.81
83+10.000	761.853	760.944	5.00	0.00	0.00	0.00	6.69	62.00	1091.65	1091.65	4804.46	-3712.80
84+0.000	762.185	761.162	5.00	0.00	0.00	0.00	7.59	71.44	1091.65	1091.65	4875.90	-3784.24
84+10.000	762.518	761.442	5.00	0.00	0.00	0.00	8.08	78.38	1091.65	1091.65	4954.28	-3862.62
85+0.000	762.850	761.741	5.00	0.00	0.00	0.00	8.46	82.74	1091.65	1091.65	5037.02	-3945.36
85+10.000	763.183	762.050	5.00	0.00	0.00	0.00	8.72	85.90	1091.65	1091.65	5122.92	-4031.26
86+0.000	763.515	762.363	5.00	0.00	0.00	0.00	8.94	88.36	1091.65	1091.65	5211.28	-4119.62
86+10.000	763.848	762.702	5.00	0.00	0.00	0.00	8.96	89.48	1091.65	1091.65	5300.76	-4209.10
87+0.000	764.180	763.022	5.00	0.00	0.00	0.00	9.03	89.93	1091.65	1091.65	5390.69	-4299.03
87+10.000	764.513	763.324	5.00	0.00	0.00	0.00	9.27	91.46	1091.65	1091.65	5482.15	-4390.49
88+0.000	764.846	763.585	5.00	0.00	0.00	0.00	9.90	95.81	1091.65	1091.65	5577.96	-4486.31
88+10.000	765.178	763.915	5.00	0.00	0.00	0.00	9.95	99.23	1091.65	1091.65	5677.19	-4585.53
89+0.000	765.511	764.318	5.00	0.00	0.00	0.00	9.35	96.48	1091.65	1091.65	5773.66	-4682.01
89+10.000	765.843	764.669	5.00	0.00	0.00	0.00	9.27	93.06	1091.65	1091.65	5866.72	-4775.07
90+0.000	766.176	764.986	5.00	0.00	0.00	0.00	9.56	94.12	1091.65	1091.65	5960.84	-4869.19
90+10.000	766.508	765.252	5.00	0.00	0.00	0.00	9.97	97.67	1091.65	1091.65	6058.51	-4966.86
91+0.000	766.841	765.598	5.00	0.00	0.00	0.00	9.92	99.47	1091.65	1091.65	6157.98	-5066.33
91+10.000	767.173	765.940	5.00	0.00	0.00	0.00	9.85	98.86	1091.65	1091.65	6256.84	-5165.19
92+0.000	767.506	766.217	5.00	0.00	0.00	0.00	9.83	98.43	1091.65	1091.65	6355.27	-5263.61
92+10.000	767.839	766.645	5.00	0.00	0.00	0.00	8.57	92.16	1091.65	1091.65	6447.42	-5355.77


 JOTA BATROS PROJETOS
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE

93+0.000	768.171	767.145	5.00	0.00	0.00	0.00	6.99	77.81	1091.65	1091.65	6525.23	-5433.58
93+10.000	768.504	767.644	5.00	0.00	0.00	0.00	5.52	62.53	1091.65	1091.65	6587.76	-5496.11
94+0.000	768.836	768.143	5.00	0.00	0.00	0.00	4.41	49.63	1091.65	1091.65	6637.39	-5545.74
94+10.000	769.169	768.627	5.00	0.00	0.00	0.00	3.78	41.00	1091.65	1091.65	6678.39	-5586.74
95+0.000	769.501	768.991	5.00	0.00	0.00	0.00	3.52	36.55	1091.65	1091.65	6714.94	-5623.28
95+10.000	769.834	769.373	5.00	0.00	0.00	0.00	3.16	33.34	1091.65	1091.65	6748.28	-5656.62
96+0.000	770.166	769.760	5.00	0.00	0.00	0.00	2.86	30.12	1091.65	1091.65	6778.40	-5686.74
96+10.000	770.499	770.034	5.00	0.00	0.00	0.00	2.35	26.05	1091.65	1091.65	6804.45	-5712.79
97+0.000	770.832	770.770	5.00	0.50	2.50	2.50	0.10	12.22	1094.15	1094.15	6816.66	-5722.51
97+10.000	771.164	771.874	5.00	4.24	23.64	23.64	0.00	0.50	1117.79	1117.79	6817.16	-5699.37
98+0.000	771.482	771.554	5.00	1.87	30.52	30.52	0.00	0.00	1148.32	1148.32	6817.16	-5668.84
98+10.000	771.751	771.586	5.00	0.83	13.18	13.18	0.40	2.05	1161.50	1161.50	6819.21	-5657.71
99+0.000	771.970	772.093	5.00	1.15	9.92	9.92	0.01	2.07	1171.42	1171.42	6821.28	-5649.85
99+10.000	772.138	772.611	5.00	2.23	16.97	16.97	0.25	1.28	1188.40	1188.40	6822.56	-5634.16
100+0.000	772.271	772.224	5.00	0.02	11.38	11.38	1.18	7.03	1199.78	1199.78	6829.58	-5629.80
100+10.000	772.402	771.886	5.00	0.00	0.12	0.12	3.66	24.15	1199.89	1199.89	6853.73	-5653.84
101+0.000	772.533	771.711	5.00	0.00	0.00	0.00	5.60	46.31	1199.89	1199.89	6900.04	-5700.14
101+10.000	772.665	771.727	5.00	0.00	0.00	0.00	6.63	61.16	1199.89	1199.89	6961.20	-5761.31
102+0.000	772.796	771.743	5.00	0.00	0.00	0.00	7.70	71.64	1199.89	1199.89	7032.84	-5832.95
102+10.000	772.927	771.699	5.00	0.00	0.00	0.00	9.20	84.49	1199.89	1199.89	7117.34	-5917.44
103+0.000	773.058	771.759	5.00	0.00	0.00	0.00	10.34	97.55	1199.89	1199.89	7214.89	-6014.99
103+10.000	773.189	771.842	5.00	0.00	0.00	0.00	10.95	106.43	1199.89	1199.89	7321.32	-6121.42
104+0.000	773.321	771.954	5.00	0.00	0.00	0.00	11.24	110.94	1199.89	1199.89	7432.25	-6232.36
104+10.000	773.452	772.077	5.00	0.00	0.00	0.00	11.33	112.86	1199.89	1199.89	7545.11	-6345.22
105+0.000	773.583	772.207	5.00	0.00	0.00	0.00	11.35	113.41	1199.89	1199.89	7658.52	-6458.63
105+10.000	773.714	772.352	5.00	0.00	0.00	0.00	11.20	112.76	1199.89	1199.89	7771.28	-6571.39
106+0.000	773.846	772.509	5.00	0.00	0.00	0.00	10.94	110.67	1199.89	1199.89	7881.96	-6682.06
106+10.000	773.977	772.695	5.00	0.00	0.00	0.00	10.34	106.36	1199.89	1199.89	7988.32	-6788.42
107+0.000	774.108	772.872	5.00	0.00	0.00	0.00	9.84	100.90	1199.89	1199.89	8089.22	-6889.33
107+10.000	774.239	773.039	5.00	0.00	0.00	0.00	9.45	96.47	1199.89	1199.89	8185.69	-6985.80
108+0.000	774.371	773.154	5.00	0.00	0.00	0.00	9.61	95.32	1199.89	1199.89	8281.01	-7081.12
108+10.000	774.502	773.300	5.00	0.00	0.00	0.00	9.48	95.46	1199.89	1199.89	8376.47	-7176.58
109+0.000	774.633	773.476	5.00	0.00	0.00	0.00	9.02	92.50	1199.89	1199.89	8468.97	-7269.08
109+10.000	774.764	773.637	5.00	0.00	0.00	0.00	8.70	88.62	1199.89	1199.89	8557.58	-7357.69
110+0.000	774.895	773.844	5.00	0.00	0.00	0.00	7.98	83.41	1199.89	1199.89	8640.99	-7441.10
110+10.000	775.027	774.109	5.00	0.00	0.00	0.00	6.69	73.32	1199.89	1199.89	8714.31	-7514.42
111+0.000	775.158	774.331	5.00	0.00	0.00	0.00	5.84	62.64	1199.89	1199.89	8776.95	-7577.06
111+10.000	775.289	774.502	5.00	0.00	0.00	0.00	5.45	56.43	1199.89	1199.89	8833.38	-7633.49
112+0.000	775.420	774.607	5.00	0.00	0.00	0.00	5.69	55.69	1199.89	1199.89	8889.07	-7689.18
112+10.000	775.552	774.831	5.00	0.00	0.00	0.00	4.91	53.02	1199.89	1199.89	8942.08	-7742.19
113+0.000	775.683	775.068	5.00	0.00	0.00	0.00	4.02	44.65	1199.89	1199.89	8986.74	-7786.85
113+10.000	775.814	775.289	5.00	0.00	0.00	0.00	3.30	36.59	1199.89	1199.89	9023.33	-7823.43
114+0.000	775.945	775.538	5.00	0.00	0.00	0.00	2.42	28.64	1199.89	1199.89	9051.96	-7852.07
114+10.000	776.076	775.799	5.00	0.00	0.00	0.00	1.51	19.65	1199.89	1199.89	9071.62	-7871.72
115+0.000	776.208	776.068	5.00	0.00	0.00	0.00	0.61	10.59	1199.89	1199.89	9082.21	-7882.32

115+10.00 0	776.339	776.360	5.00	0.37	1.88	1.88	0.00	3.05	1201.77	1201.77	9085.26	-7883.49
116+0.000	776.470	776.663	5.00	1.53	9.55	9.55	0.00	0.00	1211.32	1211.32	9085.26	-7873.94
116+10.00 0	776.601	776.943	5.00	2.63	20.84	20.84	0.00	0.00	1232.16	1232.16	9085.26	-7853.10
117+0.000	776.733	777.208	5.00	3.70	31.67	31.67	0.00	0.00	1263.84	1263.84	9085.26	-7821.42
117+10.00 0	776.864	777.458	5.00	4.70	42.02	42.02	0.00	0.00	1305.85	1305.85	9085.26	-7779.41
118+0.000	776.995	777.684	5.00	5.55	51.28	51.28	0.00	0.00	1357.14	1357.14	9085.26	-7728.12
118+10.00 0	777.126	777.893	5.00	6.28	59.15	59.15	0.00	0.00	1416.29	1416.29	9085.26	-7668.97
119+0.000	777.280	778.079	5.00	6.59	64.33	64.33	0.00	0.00	1480.62	1480.62	9085.26	-7604.64
119+10.00 0	777.501	778.218	5.00	5.84	62.13	62.13	0.00	0.00	1542.75	1542.75	9085.26	-7542.51
120+0.000	777.791	778.424	5.00	5.01	54.23	54.23	0.00	0.00	1596.98	1596.98	9085.26	-7488.28
120+10.00 0	778.151	778.809	5.00	5.23	51.20	51.20	0.00	0.00	1648.18	1648.18	9085.26	-7437.08
121+0.000	778.558	779.194	5.00	5.04	51.36	51.36	0.00	0.00	1699.54	1699.54	9085.26	-7385.72
121+10.00 0	778.966	779.583	5.00	4.86	49.52	49.52	0.00	0.00	1749.06	1749.06	9085.26	-7336.20
122+0.000	779.374	780.016	5.00	5.08	49.69	49.69	0.00	0.00	1798.75	1798.75	9085.26	-7286.51
122+10.00 0	779.783	780.426	5.00	5.10	50.88	50.88	0.00	0.00	1849.63	1849.63	9085.26	-7235.63
123+0.000	780.191	780.816	5.00	4.94	50.22	50.22	0.00	0.00	1899.84	1899.84	9085.26	-7185.42
123+10.00 0	780.600	781.212	5.00	4.82	48.81	48.81	0.00	0.00	1948.66	1948.66	9085.26	-7136.61
124+0.000	781.008	781.601	5.00	4.65	47.37	47.37	0.00	0.00	1996.02	1996.02	9085.26	-7089.24
124+10.00 0	781.416	781.984	5.00	4.45	45.49	45.49	0.00	0.00	2041.51	2041.51	9085.26	-7043.75
125+0.000	781.825	782.422	5.00	4.62	45.34	45.34	0.00	0.00	2086.86	2086.86	9085.26	-6998.41
125+10.00 0	782.233	782.838	5.00	4.71	46.64	46.64	0.00	0.00	2133.49	2133.49	9085.26	-6951.77
126+0.000	782.641	783.218	5.00	4.46	45.87	45.87	0.00	0.00	2179.37	2179.37	9085.26	-6905.89
126+10.00 0	783.050	783.582	5.00	4.10	42.79	42.79	0.00	0.00	2222.16	2222.16	9085.26	-6863.10
127+0.000	783.458	783.948	5.00	3.74	39.18	39.18	0.00	0.00	2261.34	2261.34	9085.26	-6823.92
127+10.00 0	783.867	784.328	5.00	3.51	36.23	36.23	0.00	0.00	2297.57	2297.57	9085.26	-6787.69
128+0.000	784.275	784.705	5.00	3.26	33.83	33.83	0.00	0.00	2331.41	2331.41	9085.26	-6753.86
128+10.00 0	784.683	785.094	5.00	3.07	31.67	31.67	0.00	0.00	2363.07	2363.07	9085.26	-6722.19
129+0.000	785.092	785.564	5.00	3.57	33.19	33.19	0.00	0.00	2396.26	2396.26	9085.26	-6689.00
129+10.00 0	785.500	785.976	5.00	3.63	36.00	36.00	0.00	0.00	2432.26	2432.26	9085.26	-6653.00
130+0.000	785.909	786.341	5.00	3.29	34.61	34.61	0.00	0.00	2466.87	2466.87	9085.26	-6618.39
130+10.00 0	786.317	786.742	5.00	3.22	32.51	32.51	0.00	0.00	2499.38	2499.38	9085.26	-6585.88
131+0.000	786.725	787.131	5.00	3.07	31.44	31.44	0.00	0.00	2530.82	2530.82	9085.26	-6554.44
131+10.00 0	787.134	787.500	5.00	2.76	29.19	29.19	0.00	0.00	2560.01	2560.01	9085.26	-6525.25
132+0.000	787.542	787.878	5.00	2.53	26.45	26.45	0.00	0.00	2586.46	2586.46	9085.26	-6498.80
132+10.00 0	787.950	788.239	5.00	2.19	23.57	23.57	0.00	0.00	2610.03	2610.03	9085.26	-6475.23
133+0.000	788.359	788.559	5.00	1.55	18.71	18.71	0.00	0.00	2628.74	2628.74	9085.26	-6456.52
133+10.00 0	788.767	788.879	5.00	0.94	12.48	12.48	0.00	0.00	2641.22	2641.22	9085.26	-6444.04
134+0.000	789.174	789.149	5.00	0.11	5.29	5.29	0.02	0.12	2646.52	2646.52	9085.38	-6438.87
134+10.00 0	789.496	789.322	5.00	0.00	0.57	0.57	0.83	4.26	2647.09	2647.09	9089.64	-6442.55
135+0.000	789.684	789.407	5.00	0.00	0.00	0.00	1.48	11.52	2647.09	2647.09	9101.16	-6454.07
135+10.00 0	789.737	789.430	5.00	0.00	0.00	0.00	1.64	15.60	2647.09	2647.09	9116.76	-6469.67
136+0.000	789.658	789.324	5.00	0.00	0.00	0.00	1.83	17.36	2647.09	2647.09	9134.12	-6487.04
136+10.00 0	789.529	789.142	5.00	0.00	0.00	0.00	2.17	20.01	2647.09	2647.09	9154.14	-6507.05
137+0.000	789.400	788.938	5.00	0.00	0.00	0.00	2.72	24.48	2647.09	2647.09	9178.62	-6531.53
137+10.00 0	789.271	788.765	5.00	0.00	0.00	0.00	3.06	28.91	2647.09	2647.09	9207.54	-6560.45


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138+0.000	789.142	788.739	5.00	0.00	0.00	0.00	2.36	27.12	2647.09	2647.09	9234.66	-6587.57
138+10.00 0	789.013	788.815	5.00	0.00	0.00	0.00	0.96	16.61	2647.09	2647.09	9251.27	-6604.18
139+0.000	788.884	788.723	5.00	0.00	0.00	0.00	0.69	8.24	2647.09	2647.09	9259.51	-6612.42
139+10.00 0	788.755	788.631	5.00	0.00	0.00	0.00	0.46	5.77	2647.09	2647.09	9265.28	-6618.19
140+0.000	788.627	788.538	5.00	0.00	0.01	0.01	0.24	3.53	2647.10	2647.10	9268.80	-6621.71
140+10.00 0	788.498	788.453	5.00	0.09	0.45	0.45	0.06	1.52	2647.55	2647.55	9270.33	-6622.78
141+0.000	788.406	788.385	5.00	0.16	1.25	1.25	0.02	0.39	2648.80	2648.80	9270.71	-6621.92
141+10.00 0	788.420	788.497	5.00	0.76	4.61	4.61	0.00	0.08	2653.41	2653.41	9270.79	-6617.39
142+0.000	788.540	788.678	5.00	1.14	9.48	9.48	0.00	0.00	2662.89	2662.89	9270.79	-6607.91
142+10.00 0	788.768	788.918	5.00	1.23	11.85	11.85	0.00	0.00	2674.74	2674.74	9270.79	-6596.05
143+0.000	789.065	789.109	5.00	0.53	8.80	8.80	0.00	0.00	2683.54	2683.54	9270.79	-6587.26
143+10.00 0	789.363	789.347	5.00	0.13	3.30	3.30	0.01	0.06	2686.83	2686.83	9270.85	-6584.02
144+0.000	789.662	789.625	5.00	0.06	0.95	0.95	0.06	0.36	2687.78	2687.78	9271.21	-6583.43
144+10.00 0	789.960	789.988	5.00	0.38	2.20	2.20	0.00	0.29	2689.98	2689.98	9271.50	-6581.52
145+0.000	790.259	790.310	5.00	0.56	4.70	4.70	0.00	0.00	2694.68	2694.68	9271.50	-6576.82
145+10.00 0	790.557	790.570	5.00	0.31	4.32	4.32	0.00	0.00	2699.00	2699.00	9271.50	-6572.50
146+0.000	790.856	790.829	5.00	0.09	2.00	2.00	0.03	0.15	2701.00	2701.00	9271.66	-6570.65
146+10.00 0	791.154	791.109	5.00	0.03	0.63	0.63	0.09	0.62	2701.64	2701.64	9272.27	-6570.63
147+0.000	791.453	791.394	5.00	0.02	0.25	0.25	0.15	1.21	2701.89	2701.89	9273.48	-6571.59
147+10.00 0	791.751	791.643	5.00	0.00	0.08	0.08	0.44	2.92	2701.96	2701.96	9276.40	-6574.44
148+0.000	792.050	791.919	5.00	0.00	0.00	0.00	0.58	5.09	2701.96	2701.96	9281.49	-6579.53
148+10.00 0	792.348	792.218	5.00	0.00	0.00	0.00	0.59	5.85	2701.96	2701.96	9287.34	-6585.38
149+0.000	792.647	792.550	5.00	0.00	0.00	0.00	0.38	4.84	2701.96	2701.96	9292.19	-6590.22
149+10.00 0	792.945	792.813	5.00	0.00	0.00	0.00	0.58	4.78	2701.96	2701.96	9296.97	-6595.00
150+0.000	793.244	793.027	5.00	0.00	0.00	0.00	1.13	8.51	2701.96	2701.96	9305.48	-6603.51
150+10.00 0	793.542	793.411	5.00	0.00	0.00	0.00	0.60	8.65	2701.96	2701.96	9314.12	-6612.16
151+0.000	793.841	793.742	5.00	0.00	0.00	0.00	0.38	4.93	2701.96	2701.96	9319.05	-6617.09
151+10.00 0	794.139	794.007	5.00	0.00	0.00	0.00	0.59	4.85	2701.96	2701.96	9323.90	-6621.93
152+0.000	794.438	794.377	5.00	0.00	0.04	0.04	0.18	3.84	2702.01	2702.01	9327.74	-6625.73
152+10.00 0	794.737	794.616	5.00	0.03	0.18	0.18	0.43	3.04	2702.19	2702.19	9330.78	-6628.59
153+0.000	795.035	794.981	5.00	0.49	2.58	2.58	0.05	2.38	2704.77	2704.77	9333.16	-6628.39
153+10.00 0	795.334	795.362	5.00	1.09	7.84	7.84	0.00	0.24	2712.61	2712.61	9333.40	-6620.78
153+15.60 9	795.501	795.501	2.80	0.56	4.61	4.61	0.00	0.00	2717.22	2717.22	9333.40	-6616.17


Relatório de Volumes

RAMAL SITIO GUARANI A SITIO PALMEIRA


Estaca Inicial: 0+0.000

Estaca Final: 176+8,99


Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	889.992	889.992	0.00	0.09	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00
0+10.000	890.379	890.116	5.00	0.00	0.43	0.43	1.56	8.37	0.43	0.43	8.37	-7.94
1+0.000	890.766	890.453	5.00	0.00	0.00	0.00	1.58	15.54	0.44	0.44	23.91	-23.48
1+10.000	891.153	890.795	5.00	0.06	0.28	0.28	1.56	15.64	0.71	0.71	39.56	-38.84
2+0.000	891.539	891.322	5.00	0.00	0.30	0.30	1.78	16.70	1.01	1.01	56.26	-55.25
2+10.000	891.926	891.656	5.00	0.00	0.00	0.00	1.93	18.57	1.01	1.01	74.83	-73.82
3+0.000	892.313	892.021	5.00	0.00	0.00	0.00	1.88	19.12	1.01	1.01	93.95	-92.94
3+10.000	892.700	892.413	5.00	0.00	0.00	0.00	1.25	15.65	1.01	1.01	109.60	-108.59
4+0.000	893.086	893.027	5.00	0.14	0.71	0.71	0.13	6.92	1.72	1.72	116.53	-114.80
4+10.000	893.473	893.649	5.00	1.54	8.40	8.40	0.00	0.67	10.13	10.13	117.20	-107.07
5+0.000	893.860	894.282	5.00	2.89	22.15	22.15	0.00	0.00	32.28	32.28	117.20	-84.92
5+10.000	894.247	894.701	5.00	3.14	30.20	30.20	0.00	0.00	62.48	62.48	117.20	-54.72
6+0.000	894.634	895.105	5.00	3.31	32.24	32.24	0.00	0.00	94.72	94.72	117.20	-22.48
6+10.000	895.020	895.510	5.00	3.63	34.72	34.72	0.00	0.00	129.44	129.44	117.20	12.24
7+0.000	895.407	895.931	5.00	4.00	38.14	38.14	0.00	0.00	167.58	167.58	117.20	50.38
7+10.000	895.794	896.353	5.00	4.30	41.52	41.52	0.00	0.00	209.10	209.10	117.20	91.90
8+0.000	896.181	896.775	5.00	4.60	44.52	44.52	0.00	0.00	253.62	253.62	117.20	136.42
8+10.000	896.567	897.178	5.00	4.81	47.05	47.05	0.00	0.00	300.67	300.67	117.20	183.47
9+0.000	896.954	897.527	5.00	4.59	46.96	46.96	0.00	0.00	347.63	347.63	117.20	230.43
9+10.000	897.341	897.907	5.00	4.44	45.13	45.13	0.00	0.00	392.76	392.76	117.20	275.56
10+0.000	897.728	898.248	5.00	3.96	41.96	41.96	0.01	0.06	434.72	434.72	117.26	317.47
10+10.000	898.114	898.435	5.00	2.48	32.23	32.23	0.13	0.69	466.95	466.95	117.95	349.00
11+0.000	898.501	898.867	5.00	2.81	26.44	26.44	0.25	1.93	493.39	493.39	119.88	373.51
11+10.000	898.888	899.216	5.00	3.89	33.43	33.43	0.00	1.19	526.82	526.82	121.07	405.75
12+0.000	899.275	899.533	5.00	2.04	29.56	29.56	0.14	0.65	556.39	556.39	121.73	434.66
12+10.000	899.661	899.842	5.00	1.45	17.45	17.45	0.01	0.74	573.83	573.83	122.46	451.37
13+0.000	900.048	900.143	5.00	0.87	11.60	11.60	0.00	0.06	585.43	585.43	122.52	462.91
13+10.000	900.435	900.445	5.00	0.31	5.89	5.89	0.00	0.00	591.33	591.33	122.52	468.80
14+0.000	900.822	900.801	5.00	0.14	2.24	2.24	0.02	0.09	593.56	593.56	122.62	470.95
14+10.000	901.209	901.066	5.00	0.00	0.68	0.68	0.62	3.19	594.24	594.24	125.81	468.43
15+0.000	901.595	901.313	5.00	0.00	0.00	0.00	1.53	10.78	594.24	594.24	136.59	457.65
15+10.000	901.978	901.606	5.00	0.00	0.00	0.00	2.16	18.47	594.24	594.24	155.06	439.18
16+0.000	902.327	901.883	5.00	0.00	0.00	0.00	2.69	24.23	594.24	594.24	179.28	414.96
16+10.000	902.636	902.167	5.00	0.00	0.00	0.00	2.88	27.82	594.24	594.24	207.11	387.13
17+0.000	902.906	902.467	5.00	0.00	0.00	0.00	2.66	27.70	594.24	594.24	234.81	359.43
17+10.000	903.140	902.766	5.00	0.00	0.00	0.00	2.18	24.19	594.24	594.24	258.99	335.25
18+0.000	903.369	902.934	5.00	0.00	0.00	0.00	2.60	23.90	594.24	594.24	282.89	311.35
18+10.000	903.597	903.150	5.00	0.00	0.00	0.00	2.73	26.62	594.25	594.25	309.52	284.73
19+0.000	903.826	903.459	5.00	0.06	0.27	0.27	2.13	24.25	594.52	594.52	333.77	260.75
19+10.000	904.054	903.706	5.00	0.05	0.51	0.51	1.98	20.55	595.03	595.03	354.32	240.71
20+0.000	904.282	903.892	5.00	0.00	0.24	0.24	2.44	22.10	595.27	595.27	376.42	218.85
20+10.000	904.511	904.128	5.00	0.00	0.00	0.00	2.44	24.38	595.27	595.27	400.80	194.47
21+0.000	904.739	904.393	5.00	0.00	0.00	0.00	2.08	22.58	595.27	595.27	423.38	171.89
21+10.000	904.968	904.655	5.00	0.00	0.00	0.00	1.82	19.38	595.27	595.27	442.76	152.51
22+0.000	905.196	904.913	5.00	0.00	0.00	0.00	1.66	17.28	595.27	595.27	460.04	135.23
22+10.000	905.424	905.171	5.00	0.00	0.00	0.00	1.49	15.60	595.27	595.27	475.64	119.63
23+0.000	905.653	905.433	5.00	0.00	0.00	0.00	1.17	13.29	595.27	595.27	488.93	106.34
23+10.000	905.881	905.637	5.00	0.01	0.07	0.07	1.28	12.28	595.34	595.34	501.21	94.13
24+0.000	906.109	905.834	5.00	0.00	0.07	0.07	1.50	13.91	595.40	595.40	515.12	80.28
24+10.000	906.338	906.031	5.00	0.00	0.00	0.00	1.67	15.82	595.40	595.40	530.94	64.46
25+0.000	906.566	906.272	5.00	0.00	0.00	0.00	1.56	16.12	595.40	595.40	547.06	48.34
25+10.000	906.795	906.543	5.00	0.00	0.00	0.00	1.31	14.35	595.40	595.40	561.41	33.99
26+0.000	907.023	906.875	5.00	0.00	0.00	0.00	0.69	10.00	595.40	595.40	571.41	23.99
26+10.000	907.251	907.156	5.00	0.00	0.01	0.01	0.30	4.93	595.41	595.41	576.33	19.08
27+0.000	907.480	907.403	5.00	0.05	0.23	0.23	0.19	2.48	595.64	595.64	578.81	16.83
27+10.000	907.708	907.590	5.00	0.00	0.25	0.25	0.43	3.15	595.89	595.89	581.96	13.93
28+0.000	907.937	907.797	5.00	0.00	0.02	0.02	0.57	5.04	595.91	595.91	587.00	8.92
28+10.000	908.165	908.031	5.00	0.00	0.00	0.00	0.53	5.52	595.91	595.91	592.52	3.40
29+0.000	908.393	908.278	5.00	0.00	0.00	0.00	0.41	4.72	595.91	595.91	597.23	-1.32
29+10.000	908.622	908.543	5.00	0.00	0.04	0.04	0.20	3.09	595.96	595.96	600.32	-4.36


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105+10.00 0	888.468	887.782	5.00	0.00	0.01	0.01	4.34	43.34	3917.52	3917.52	2761.37	1156.16
106+0.000	888.185	887.520	5.00	0.00	0.00	0.00	4.24	42.94	3917.52	3917.52	2804.30	1113.22
106+10.00 0	887.902	887.260	5.00	0.00	0.00	0.00	4.13	41.85	3917.52	3917.52	2846.16	1071.37
107+0.000	887.620	887.067	5.00	0.00	0.00	0.00	3.62	38.75	3917.52	3917.52	2884.90	1032.62
107+10.00 0	887.337	886.847	5.00	0.00	0.00	0.00	3.10	33.60	3917.52	3917.52	2918.51	999.02
108+0.000	887.054	886.605	5.00	0.00	0.00	0.00	2.73	29.16	3917.52	3917.52	2947.66	969.86
108+10.00 0	886.772	886.353	5.00	0.00	0.00	0.00	2.48	26.07	3917.52	3917.52	2973.73	943.79
109+0.000	886.489	886.116	5.00	0.04	0.19	0.19	2.16	23.23	3917.71	3917.71	2996.96	920.75
109+10.00 0	886.206	885.905	5.00	0.00	0.19	0.19	1.88	20.20	3917.89	3917.89	3017.16	900.73
110+0.000	885.924	885.619	5.00	0.00	0.00	0.00	2.17	20.25	3917.89	3917.89	3037.41	880.49
110+10.00 0	885.641	885.293	5.00	0.00	0.00	0.00	2.63	23.85	3917.89	3917.89	3061.25	856.64
111+0.000	885.358	884.900	5.00	0.00	0.00	0.00	3.22	29.27	3917.89	3917.89	3090.52	827.37
111+10.00 0	885.076	884.554	5.00	0.00	0.00	0.00	3.43	33.16	3917.89	3917.89	3123.68	794.22
112+0.000	884.793	884.246	5.00	0.01	0.05	0.05	3.37	33.95	3917.94	3917.94	3157.62	760.32
112+10.00 0	884.510	884.018	5.00	0.00	0.07	0.07	2.97	31.69	3918.01	3918.01	3189.31	728.70
113+0.000	884.227	883.813	5.00	0.00	0.02	0.02	2.54	27.53	3918.03	3918.03	3216.85	701.18
113+10.00 0	883.945	883.623	5.00	0.00	0.00	0.00	2.01	22.69	3918.03	3918.03	3239.54	678.49
114+0.000	883.662	883.413	5.00	0.00	0.00	0.00	1.55	17.80	3918.03	3918.03	3257.34	660.69
114+10.00 0	883.379	883.202	5.00	0.00	0.00	0.00	1.05	13.01	3918.03	3918.03	3270.35	647.68
115+0.000	883.097	882.992	5.00	0.00	0.00	0.00	0.43	7.40	3918.03	3918.03	3277.76	640.27
115+10.00 0	882.814	882.781	5.00	0.09	0.45	0.45	0.04	2.36	3918.48	3918.48	3280.12	638.37
116+0.000	882.531	882.559	5.00	0.45	2.72	2.72	0.00	0.20	3921.20	3921.20	3280.32	640.88
116+10.00 0	882.249	882.347	5.00	0.97	7.09	7.09	0.00	0.00	3928.29	3928.29	3280.32	647.97
117+0.000	881.966	882.153	5.00	1.60	12.84	12.84	0.00	0.00	3941.13	3941.13	3280.32	660.81
117+10.00 0	881.683	881.966	5.00	2.34	19.72	19.72	0.00	0.00	3960.84	3960.84	3280.32	680.53
118+0.000	881.401	881.786	5.00	3.19	27.66	27.66	0.00	0.00	3988.50	3988.50	3280.32	708.18
118+10.00 0	881.118	881.629	5.00	4.22	37.09	37.09	0.00	0.00	4025.59	4025.59	3280.32	745.27
119+0.000	880.835	881.475	5.00	5.20	47.11	47.11	0.00	0.00	4072.70	4072.70	3280.32	792.38
119+10.00 0	880.553	881.321	5.00	5.93	55.66	55.66	0.00	0.00	4128.36	4128.36	3280.32	848.04
120+0.000	880.270	881.029	5.00	5.92	59.26	59.26	0.00	0.00	4187.62	4187.62	3280.32	907.30
120+10.00 0	879.987	880.788	5.00	6.26	60.94	60.94	0.00	0.00	4248.55	4248.55	3280.32	968.23
121+0.000	879.705	880.613	5.00	7.06	66.62	66.62	0.00	0.00	4315.18	4315.18	3280.32	1034.86
121+10.00 0	879.422	880.404	5.00	7.86	74.62	74.62	0.00	0.00	4389.80	4389.80	3280.32	1109.48
122+0.000	879.139	880.175	5.00	8.55	82.01	82.01	0.00	0.00	4471.81	4471.81	3280.32	1191.49
122+10.00 0	878.857	879.918	5.00	8.95	87.50	87.50	0.00	0.00	4559.31	4559.31	3280.32	1278.99
123+0.000	878.574	879.637	5.00	9.00	89.80	89.80	0.00	0.00	4649.10	4649.10	3280.32	1368.79
123+10.00 0	878.291	879.340	5.00	8.86	89.32	89.32	0.00	0.00	4738.43	4738.43	3280.32	1458.11
124+0.000	878.008	879.013	5.00	8.45	86.55	86.55	0.00	0.00	4824.97	4824.97	3280.32	1544.66
124+10.00 0	877.726	878.628	5.00	7.65	80.52	80.52	0.00	0.00	4905.49	4905.49	3280.32	1625.17
125+0.000	877.443	878.228	5.00	6.54	70.94	70.94	0.00	0.00	4976.44	4976.44	3280.32	1696.12
125+10.00 0	877.160	877.856	5.00	5.63	60.86	60.86	0.06	0.28	5037.29	5037.29	3280.60	1756.69
126+0.000	876.878	877.471	5.00	4.66	51.36	51.36	0.37	2.26	5088.65	5088.65	3282.87	1805.79
126+10.00 0	876.595	877.103	5.00	3.98	43.30	43.30	0.29	3.11	5131.96	5131.96	3285.98	1845.98
127+0.000	876.312	876.897	5.00	4.63	43.07	43.07	0.14	2.13	5175.03	5175.03	3288.11	1886.92
127+10.00 0	876.030	876.672	5.00	5.13	48.85	48.85	0.03	0.79	5223.88	5223.88	3288.89	1934.98
128+0.000	875.747	876.422	5.00	5.43	52.81	52.81	0.00	0.16	5276.69	5276.69	3289.06	1987.63
128+10.00 0	875.464	876.010	5.00	4.25	48.42	48.42	0.18	0.89	5325.11	5325.11	3289.95	2035.16
129+0.000	875.182	875.736	5.00	4.49	43.71	43.71	0.00	0.89	5368.82	5368.82	3290.84	2077.99
129+10.00 0	874.899	875.554	5.00	5.42	49.52	49.52	0.00	0.00	5418.34	5418.34	3290.84	2127.50
130+0.000	874.616	875.099	5.00	3.74	45.78	45.78	0.12	0.60	5464.12	5464.12	3291.44	2172.69
130+10.00 0	874.334	874.713	5.00	2.92	33.26	33.26	0.28	1.86	5497.38	5497.38	3293.30	2204.08
131+0.000	874.051	874.387	5.00	2.66	27.90	27.90	0.34	2.98	5525.28	5525.28	3296.28	2229.00
131+10.00 0	873.768	874.306	5.00	4.38	35.22	35.22	0.05	1.87	5560.49	5560.49	3298.15	2262.34
132+0.000	873.486	874.137	5.00	5.37	48.74	48.74	0.00	0.25	5609.23	5609.23	3298.40	2310.83
132+10.00 0	873.203	873.864	5.00	5.30	53.34	53.34	0.00	0.00	5662.57	5662.57	3298.40	2364.17
133+0.000	872.920	873.576	5.00	5.25	52.77	52.77	0.00	0.00	5715.34	5715.34	3298.40	2416.94
133+10.00 0	872.638	873.280	5.00	5.12	51.86	51.86	0.00	0.04	5767.20	5767.20	3298.44	2468.76


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134+0.000	872.355	872.975	5.00	4.92	50.19	50.19	0.07	0.37	5817.39	5817.39	3298.81	2518.58
134+10.00 0	872.072	872.571	5.00	3.86	43.92	43.92	0.33	1.96	5861.31	5861.31	3300.77	2560.54
135+0.000	871.790	872.145	5.00	2.71	32.89	32.89	0.56	4.27	5894.20	5894.20	3305.03	2589.17
135+10.00 0	871.507	871.702	5.00	1.53	21.21	21.21	0.89	7.20	5915.41	5915.41	3312.23	2603.17
136+0.000	871.224	871.440	5.00	1.72	16.24	16.24	0.57	7.14	5931.64	5931.64	3319.37	2612.27
136+10.00 0	870.941	871.208	5.00	2.08	18.97	18.97	0.36	4.49	5950.61	5950.61	3323.86	2626.76
137+0.000	870.659	870.948	5.00	2.24	21.58	21.58	0.32	3.39	5972.20	5972.20	3327.24	2644.95
137+10.00 0	870.378	870.669	5.00	2.22	22.30	22.30	0.38	3.38	5994.49	5994.49	3330.62	2663.87
138+0.000	870.117	870.399	5.00	2.39	23.07	23.07	0.21	2.91	6017.56	6017.56	3333.53	2684.04
138+10.00 0	869.880	870.201	5.00	2.70	25.47	25.47	0.01	1.11	6043.03	6043.03	3334.63	2708.40
139+0.000	869.666	870.016	5.00	2.90	27.98	27.98	0.00	0.08	6071.01	6071.01	3334.71	2736.30
139+10.00 0	869.474	869.836	5.00	2.97	29.31	29.31	0.00	0.00	6100.32	6100.32	3334.71	2765.61
140+0.000	869.285	869.653	5.00	3.02	29.91	29.91	0.00	0.00	6130.23	6130.23	3334.71	2795.52
140+10.00 0	869.097	869.484	5.00	3.19	30.99	30.99	0.00	0.00	6161.22	6161.22	3334.71	2826.50
141+0.000	868.909	869.326	5.00	3.46	33.22	33.22	0.00	0.00	6194.44	6194.44	3334.71	2859.73
141+10.00 0	868.720	869.187	5.00	3.83	36.42	36.42	0.00	0.00	6230.86	6230.86	3334.71	2896.15
142+0.000	868.532	869.026	5.00	3.95	38.91	38.91	0.00	0.00	6269.77	6269.77	3334.71	2935.06
142+10.00 0	868.344	868.835	5.00	3.97	39.60	39.60	0.00	0.00	6309.37	6309.37	3334.71	2974.66
143+0.000	868.155	868.655	5.00	4.06	40.11	40.11	0.00	0.00	6349.48	6349.48	3334.71	3014.77
143+10.00 0	867.967	868.479	5.00	4.21	41.32	41.32	0.00	0.00	6390.80	6390.80	3334.71	3056.08
144+0.000	867.779	868.310	5.00	4.44	43.22	43.22	0.00	0.00	6434.01	6434.01	3334.71	3099.30
144+10.00 0	867.590	868.162	5.00	4.67	45.52	45.52	0.00	0.00	6479.54	6479.54	3334.71	3144.82
145+0.000	867.402	868.007	5.00	4.69	46.77	46.77	0.00	0.00	6526.31	6526.31	3334.71	3191.59
145+10.00 0	867.214	867.775	5.00	4.32	45.04	45.04	0.00	0.00	6571.35	6571.35	3334.71	3236.63
146+0.000	867.025	867.540	5.00	4.16	42.44	42.44	0.00	0.00	6613.78	6613.78	3334.71	3279.07
146+10.00 0	866.837	867.316	5.00	4.37	42.66	42.66	0.00	0.00	6656.44	6656.44	3334.71	3321.73
147+0.000	866.649	867.248	5.00	5.23	48.03	48.03	0.00	0.00	6704.47	6704.47	3334.71	3369.76
147+10.00 0	866.460	867.179	5.00	5.86	55.47	55.47	0.00	0.00	6759.94	6759.94	3334.71	3425.23
148+0.000	866.272	866.982	5.00	5.74	58.03	58.03	0.00	0.00	6817.97	6817.97	3334.71	3483.26
148+10.00 0	866.084	866.783	5.00	5.64	56.91	56.91	0.00	0.00	6874.88	6874.88	3334.71	3540.17
149+0.000	865.895	866.598	5.00	5.59	56.12	56.12	0.00	0.00	6931.00	6931.00	3334.71	3596.28
149+10.00 0	865.707	866.386	5.00	5.32	54.57	54.57	0.01	0.05	6985.56	6985.56	3334.77	3650.80
150+0.000	865.519	866.160	5.00	5.04	51.81	51.81	0.07	0.42	7037.37	7037.37	3335.19	3702.19
150+10.00 0	865.330	865.913	5.00	4.94	49.92	49.92	0.21	1.44	7087.30	7087.30	3336.63	3750.67
151+0.000	865.142	865.794	5.00	5.56	52.58	52.58	0.13	1.67	7139.88	7139.88	3338.30	3801.58
151+10.00 0	864.954	865.710	5.00	6.42	59.91	59.91	0.03	0.81	7199.78	7199.78	3339.11	3860.67
152+0.000	864.765	865.590	5.00	7.21	68.20	68.20	0.00	0.14	7267.98	7267.98	3339.25	3928.73
152+10.00 0	864.577	865.411	5.00	7.41	73.07	73.07	0.00	0.00	7341.05	7341.05	3339.25	4001.80
153+0.000	864.389	865.144	5.00	6.95	71.70	71.70	0.00	0.00	7412.75	7412.75	3339.25	4073.50
153+10.00 0	864.200	864.900	5.00	6.63	67.83	67.83	0.00	0.00	7480.58	7480.58	3339.25	4141.33
154+0.000	864.012	864.732	5.00	6.70	66.64	66.64	0.00	0.00	7547.22	7547.22	3339.25	4207.97
154+10.00 0	863.824	864.541	5.00	6.51	66.03	66.03	0.58	2.90	7613.25	7613.25	3342.15	4271.10
155+0.000	863.635	864.210	5.00	5.38	59.45	59.45	0.40	4.89	7672.70	7672.70	3347.04	4325.66
155+10.00 0	863.447	863.568	5.00	4.89	51.35	51.35	0.00	2.00	7724.06	7724.06	3349.04	4375.02
156+0.000	863.259	863.657	5.00	5.92	54.03	54.03	0.13	0.64	7778.09	7778.09	3349.68	4428.40
156+10.00 0	863.070	864.391	5.00	8.95	74.46	74.46	0.44	2.81	7852.55	7852.55	3352.50	4500.05
157+0.000	862.882	864.019	5.00	10.94	99.43	99.43	0.11	2.72	7951.97	7951.97	3355.22	4596.76
157+10.00 0	862.694	863.521	5.00	10.07	105.07	105.07	0.12	1.14	8057.04	8057.04	3356.36	4700.68
158+0.000	862.505	863.024	5.00	7.16	86.14	86.14	0.11	1.14	8143.19	8143.19	3357.50	4785.69
158+10.00 0	862.317	862.669	5.00	4.19	56.95	56.95	0.11	0.98	8200.14	8200.14	3358.48	4841.66
159+0.000	862.129	862.390	5.00	2.96	35.70	35.70	0.24	1.70	8235.84	8235.84	3360.18	4875.66
159+10.00 0	861.940	862.197	5.00	2.35	26.37	26.37	0.42	3.07	8262.21	8262.21	3363.24	4898.97
160+0.000	861.752	861.969	5.00	1.82	20.80	20.80	0.26	3.41	8283.01	8283.01	3366.65	4916.36
160+10.00 0	861.564	861.756	5.00	1.60	17.06	17.06	0.21	2.38	8300.07	8300.07	3369.03	4931.05
161+0.000	861.375	861.539	5.00	1.44	15.17	15.17	0.17	1.93	8315.24	8315.24	3370.96	4944.29
161+10.00 0	861.187	861.296	5.00	1.14	12.89	12.89	0.14	1.54	8328.13	8328.13	3372.50	4955.63
162+0.000	860.999	861.065	5.00	0.84	9.92	9.92	0.08	1.09	8338.05	8338.05	3373.59	4964.46


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162+10.00 0	860.810	860.842	5.00	0.58	7.10	7.10	0.02	0.51	8345.15	8345.15	3374.10	4971.05
163+0.000	860.622	860.641	5.00	0.46	5.17	5.17	0.01	0.15	8350.32	8350.32	3374.25	4976.07
163+10.00 0	860.461	860.442	5.00	0.22	3.39	3.39	0.01	0.12	8353.71	8353.71	3374.36	4979.35
164+0.000	860.344	860.250	5.00	0.00	1.12	1.12	0.29	1.50	8354.83	8354.83	3375.86	4978.97
164+10.00 0	860.273	860.102	5.00	0.00	0.00	0.00	0.84	5.63	8354.84	8354.84	3381.49	4973.35
165+0.000	860.245	859.922	5.00	0.00	0.00	0.00	1.85	13.40	8354.84	8354.84	3394.89	4959.95
165+10.00 0	860.236	859.724	5.00	0.00	0.00	0.00	3.18	25.16	8354.84	8354.84	3420.05	4934.79
166+0.000	860.227	859.543	5.00	0.00	0.00	0.00	4.52	38.51	8354.84	8354.84	3458.56	4896.28
166+10.00 0	860.218	859.385	5.00	0.00	0.00	0.00	5.76	51.46	8354.84	8354.84	3510.02	4844.82
167+0.000	860.208	859.243	5.00	0.00	0.00	0.00	7.00	63.80	8354.84	8354.84	3573.83	4781.01
167+10.00 0	860.200	859.099	5.00	0.00	0.00	0.00	8.38	76.97	8354.84	8354.84	3650.79	4704.05
168+0.000	860.193	858.894	5.00	0.00	0.02	0.02	9.81	90.82	8354.86	8354.86	3741.61	4613.25
168+0.000	860.190	858.869	0.00	0.00	0.03	0.03	11.25	68.03	8354.89	8354.89	3809.64	4545.24
168+10.00 0	860.191	858.828	5.00	0.00	0.03	0.03	11.29	112.53	8354.91	8354.91	3922.17	4432.75
169+0.000	860.193	858.610	5.00	0.00	0.02	0.02	11.99	116.38	8354.94	8354.94	4038.55	4316.39
169+10.00 0	860.196	858.788	5.00	0.00	0.02	0.02	13.79	128.81	8354.96	8354.96	4167.36	4187.61
170+0.000	860.198	858.907	5.00	0.00	0.00	0.00	12.15	129.71	8354.96	8354.96	4297.07	4057.89
170+10.00 0	860.201	859.005	5.00	0.00	0.00	0.00	10.68	114.16	8354.96	8354.96	4411.23	3943.73
171+0.000	860.203	859.251	5.00	0.00	0.00	0.00	9.11	98.93	8354.96	8354.96	4510.17	3844.79
171+10.00 0	860.206	859.590	5.00	0.00	0.00	0.00	6.89	80.01	8354.97	8354.97	4590.18	3764.79
172+0.000	860.208	859.786	5.00	0.00	0.00	0.00	4.56	57.21	8354.98	8354.98	4647.39	3707.59
172+10.00 0	860.239	859.873	5.00	0.02	0.10	0.10	3.32	39.38	8355.08	8355.08	4686.76	3668.31
173+0.000	860.364	860.081	5.00	0.06	0.39	0.39	1.63	24.76	8355.47	8355.47	4711.53	3643.95
173+10.00 0	860.587	860.636	5.00	0.69	3.67	3.67	0.98	13.17	8359.14	8359.14	4724.70	3634.44
174+0.000	860.907	861.001	5.00	2.28	15.03	15.03	0.02	4.96	8374.17	8374.17	4729.66	3644.51
174+10.00 0	861.296	861.319	5.00	1.93	21.28	21.28	0.11	0.67	8395.45	8395.45	4730.32	3665.13
175+0.000	861.688	861.737	5.00	0.75	13.37	13.37	0.31	2.11	8408.82	8408.82	4732.43	3676.38
175+10.00 0	861.661	861.741	5.00	0.67	7.07	7.07	0.33	3.18	8415.88	8415.88	4735.61	3680.27
176+0.000	862.050	862.110	5.00	0.64	6.69	6.69	0.02	1.76	8422.57	8422.57	4737.38	3685.20
176+8,99	862.183	862.183	1.28	0.48	1.44	1.44	0.10	0.16	8424.01	8424.01	4737.53	3686.48

Relatório de Volumes

TRECHO LIMOEIRO DOS POMPEUS A DESCOBERTA

Estaca Inicial: 0+0.000

Estaca Final: 685+4.814

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	839.736	839.736	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	840.035	839.890	5.00	0.21	2.90	2.90	0.33	1.64	2.90	2.90	1.64	1.26
1+0.000	840.333	840.216	5.00	0.28	2.50	2.50	0.31	3.18	5.40	5.40	4.82	0.58
1+10.000	840.632	840.556	5.00	0.00	1.44	1.44	0.38	3.43	6.84	6.84	8.25	-1.42
2+0.000	840.930	840.801	5.00	0.00	0.02	0.02	0.52	4.49	6.85	6.85	12.75	-5.89
2+10.000	841.229	841.131	5.00	0.02	0.11	0.11	0.30	4.12	6.96	6.96	16.86	-9.90
3+0.000	841.540	841.449	5.00	0.24	1.29	1.29	0.23	2.66	8.25	8.25	19.52	-11.27
3+10.000	841.875	841.749	5.00	0.30	2.69	2.69	0.24	2.34	10.94	10.94	21.85	-10.91
4+0.000	842.231	842.153	5.00	0.35	3.27	3.27	0.09	1.66	14.21	14.21	23.52	-9.31
4+10.000	842.610	842.604	5.00	0.80	5.77	5.77	0.00	0.46	19.98	19.98	23.98	-4.00
5+0.000	843.012	843.115	5.00	1.68	12.41	12.41	0.00	0.00	32.40	32.40	23.98	8.41
5+10.000	843.436	843.644	5.00	2.57	21.24	21.24	0.00	0.00	53.63	53.63	23.98	29.65
6+0.000	843.882	844.189	5.00	3.47	30.17	30.17	0.00	0.00	83.81	83.81	23.98	59.82
6+10.000	844.351	844.758	5.00	4.30	38.85	38.85	0.00	0.00	122.65	122.65	23.98	98.67
7+0.000	844.842	845.332	5.00	4.84	45.69	45.69	0.00	0.00	168.34	168.34	23.98	144.35
7+10.000	845.343	845.882	5.00	4.92	48.78	48.78	0.00	0.00	217.12	217.12	23.98	193.14
8+0.000	845.845	846.371	5.00	4.71	48.11	48.11	0.00	0.00	265.23	265.23	23.98	241.25
8+10.000	846.346	846.891	5.00	4.68	46.92	46.92	0.00	0.00	312.15	312.15	23.98	288.16
9+0.000	846.847	847.431	5.00	4.86	47.67	47.67	0.00	0.00	359.81	359.81	23.98	335.83
9+10.000	847.349	847.997	5.00	5.31	50.77	50.77	0.00	0.00	410.59	410.59	23.98	386.60
10+0.000	847.850	848.517	5.00	5.61	54.49	54.49	0.00	0.00	465.08	465.08	23.98	441.09
10+10.000	848.352	849.020	5.00	5.61	56.17	56.17	0.00	0.00	521.24	521.24	23.98	497.26
11+0.000	848.853	849.404	5.00	4.88	52.45	52.45	0.00	0.00	573.69	573.69	23.98	549.71
11+10.000	849.354	849.850	5.00	4.32	46.01	46.01	0.00	0.00	619.70	619.70	23.98	595.71
12+0.000	849.856	850.344	5.00	4.11	42.16	42.16	0.00	0.00	661.86	661.86	23.98	637.87
12+10.000	850.357	850.785	5.00	3.72	39.16	39.16	0.00	0.00	701.02	701.02	23.98	677.04
13+0.000	850.859	851.301	5.00	3.66	36.94	36.94	0.00	0.00	737.96	737.96	23.98	713.97
13+10.000	851.360	851.885	5.00	4.03	38.47	38.47	0.00	0.00	776.43	776.43	23.98	752.45
14+0.000	851.861	852.298	5.00	3.47	37.59	37.59	0.00	0.00	814.02	814.02	23.98	790.03
14+10.000	852.363	852.732	5.00	2.72	30.95	30.95	0.00	0.00	844.97	844.97	23.98	820.99
15+0.000	852.864	853.279	5.00	2.80	27.62	27.62	0.00	0.00	872.60	872.60	23.98	848.61
15+10.000	853.366	853.660	5.00	2.20	24.99	24.99	0.00	0.00	897.58	897.58	23.98	873.60
16+0.000	853.867	854.028	5.00	1.26	17.28	17.28	0.00	0.00	914.86	914.86	23.98	890.87
16+10.000	854.369	854.537	5.00	1.31	12.87	12.87	0.00	0.00	927.73	927.73	23.98	903.74
17+0.000	854.870	855.054	5.00	1.42	13.67	13.67	0.00	0.00	941.39	941.39	23.98	917.41
17+10.000	855.371	855.551	5.00	1.41	14.16	14.16	0.00	0.00	955.55	955.55	23.98	931.57
18+0.000	855.873	855.966	5.00	0.82	11.14	11.14	0.00	0.00	966.69	966.69	23.98	942.71
18+10.000	856.374	856.438	5.00	0.61	7.12	7.12	0.00	0.00	973.82	973.82	23.98	949.83
19+0.000	856.876	856.952	5.00	0.69	6.50	6.50	0.00	0.00	980.31	980.31	23.98	956.33
19+10.000	857.377	857.445	5.00	0.64	6.67	6.67	0.00	0.00	986.98	986.98	23.98	963.00
20+0.000	857.878	857.952	5.00	0.67	6.56	6.56	0.00	0.00	993.54	993.54	23.98	969.56
20+10.000	858.380	858.474	5.00	0.81	7.38	7.38	0.00	0.00	1000.92	1000.92	23.98	976.94
21+0.000	858.870	858.877	5.00	0.26	5.35	5.35	0.00	0.00	1006.27	1006.27	23.98	982.29
21+10.000	859.312	859.278	5.00	0.06	1.61	1.61	0.05	0.25	1007.88	1007.88	24.23	983.65
22+0.000	859.702	859.698	5.00	0.19	1.24	1.24	0.00	0.25	1009.12	1009.12	24.48	984.64
22+10.000	860.042	860.169	5.00	1.03	6.11	6.11	0.00	0.00	1015.24	1015.24	24.48	990.75
23+0.000	860.341	860.595	5.00	1.97	14.99	14.99	0.00	0.00	1030.22	1030.22	24.48	1005.74
23+10.000	860.637	860.887	5.00	1.93	19.49	19.49	0.00	0.00	1049.72	1049.72	24.48	1025.23
24+0.000	860.933	861.168	5.00	1.82	18.79	18.79	0.00	0.00	1068.50	1068.50	24.48	1044.02
24+10.000	861.230	861.454	5.00	1.74	17.83	17.83	0.00	0.00	1086.33	1086.33	24.48	1061.85
25+0.000	861.526	861.770	5.00	1.89	18.15	18.15	0.00	0.00	1104.48	1104.48	24.48	1080.00
25+10.000	861.822	862.074	5.00	1.95	19.19	19.19	0.00	0.00	1123.67	1123.67	24.48	1099.19
26+0.000	862.118	862.369	5.00	2.04	19.96	19.96	0.00	0.00	1143.63	1143.63	24.48	1119.15
26+10.000	862.415	862.628	5.00	3.08	25.67	25.67	0.00	0.00	1169.31	1169.31	24.48	1144.82
27+0.000	862.711	862.887	5.00	1.41	22.42	22.42	0.00	0.00	1191.72	1191.72	24.48	1167.24
27+10.000	863.007	863.146	5.00	1.15	12.83	12.83	0.00	0.00	1204.55	1204.55	24.48	1180.07
28+0.000	863.303	863.438	5.00	1.12	11.36	11.36	0.00	0.00	1215.92	1215.92	24.48	1191.43
28+10.000	863.600	863.736	5.00	1.13	11.24	11.24	0.00	0.00	1227.15	1227.15	24.48	1202.67
29+0.000	863.896	864.039	5.00	1.18	11.55	11.55	0.00	0.00	1238.70	1238.70	24.48	1214.22
29+10.000	864.192	864.324	5.00	1.11	11.42	11.42	0.00	0.00	1250.13	1250.13	24.48	1225.64


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105+10.00 0	856.653	856.336	5.00	0.00	0.00	0.00	1.85	18.06	3124.98	3124.98	585.92	2539.06
106+0.000	856.360	856.027	5.00	0.00	0.00	0.00	1.95	19.04	3124.98	3124.98	604.96	2520.02
106+10.00 0	856.068	855.727	5.00	0.00	0.00	0.00	2.00	19.74	3124.98	3124.98	624.70	2500.28
107+0.000	855.776	855.436	5.00	0.00	0.00	0.00	1.91	19.53	3124.98	3124.98	644.23	2480.75
107+10.00 0	855.483	855.176	5.00	0.00	0.00	0.00	1.73	18.22	3124.98	3124.98	662.45	2462.53
108+0.000	855.191	854.919	5.00	0.00	0.00	0.00	1.50	16.17	3124.98	3124.98	678.63	2446.36
108+10.00 0	854.899	854.657	5.00	0.00	0.00	0.00	1.31	14.03	3124.98	3124.98	692.66	2432.33
109+0.000	854.606	854.398	5.00	0.00	0.00	0.00	1.01	11.60	3124.99	3124.99	704.26	2420.73
109+10.00 0	854.314	854.149	5.00	0.08	0.42	0.42	0.69	8.48	3125.41	3125.41	712.74	2412.68
110+0.000	854.018	853.965	5.00	0.18	1.33	1.33	0.28	4.84	3126.74	3126.74	717.58	2409.16
110+10.00 0	853.720	853.766	5.00	0.26	2.23	2.23	0.00	1.41	3128.97	3128.97	719.00	2409.98
111+0.000	853.418	853.549	5.00	0.51	3.86	3.86	0.00	0.00	3132.83	3132.83	719.00	2413.83
111+10.00 0	853.112	853.178	5.00	0.56	5.33	5.33	0.00	0.00	3138.16	3138.16	719.00	2419.16
112+0.000	852.804	852.838	5.00	0.47	5.14	5.14	0.00	0.00	3143.31	3143.31	719.00	2424.30
112+10.00 0	852.492	852.543	5.00	0.58	5.28	5.28	0.00	0.00	3148.58	3148.58	719.00	2429.58
113+0.000	852.178	852.243	5.00	0.69	6.37	6.37	0.00	0.00	3154.95	3154.95	719.00	2435.95
113+10.00 0	851.859	851.921	5.00	0.77	7.32	7.32	0.00	0.00	3162.27	3162.27	719.00	2443.27
114+0.000	851.538	851.564	5.00	0.65	7.06	7.06	0.00	0.00	3169.34	3169.34	719.00	2450.34
114+10.00 0	851.213	851.190	5.00	0.44	5.45	5.45	0.00	0.04	3174.78	3174.78	719.04	2455.74
115+0.000	850.886	850.836	5.00	0.23	3.37	3.37	0.06	0.35	3178.15	3178.15	719.39	2458.76
115+10.00 0	850.554	850.549	5.00	0.30	2.68	2.68	0.00	0.32	3180.83	3180.83	719.71	2461.13
116+0.000	850.220	850.239	5.00	0.48	3.93	3.93	0.00	0.01	3184.77	3184.77	719.72	2465.05
116+10.00 0	849.882	849.915	5.00	0.54	5.13	5.13	0.00	0.00	3189.90	3189.90	719.72	2470.18
117+0.000	849.542	849.567	5.00	0.54	5.39	5.39	0.00	0.00	3195.29	3195.29	719.72	2475.56
117+10.00 0	849.198	849.218	5.00	0.51	5.23	5.23	0.00	0.00	3200.51	3200.51	719.72	2480.79
118+0.000	848.850	848.867	5.00	0.35	4.31	4.31	0.00	0.00	3204.82	3204.82	719.72	2485.10
118+10.00 0	848.500	848.420	5.00	0.11	2.31	2.31	0.27	1.37	3207.12	3207.12	721.09	2486.03
119+0.000	848.146	848.003	5.00	0.00	0.56	0.56	0.50	3.86	3207.68	3207.68	724.95	2482.73
119+10.00 0	847.789	847.651	5.00	0.00	0.01	0.01	0.54	5.17	3207.69	3207.69	730.12	2477.57
120+0.000	847.428	847.233	5.00	0.00	0.00	0.00	0.89	7.12	3207.70	3207.70	737.24	2470.46
120+10.00 0	847.065	846.784	5.00	0.00	0.00	0.00	1.50	11.96	3207.70	3207.70	749.19	2458.50
121+0.000	846.698	846.297	5.00	0.00	0.00	0.00	2.27	18.88	3207.70	3207.70	768.08	2439.62
121+10.00 0	846.328	845.834	5.00	0.00	0.00	0.00	2.93	26.00	3207.70	3207.70	794.08	2413.62
122+0.000	845.955	845.385	5.00	0.00	0.00	0.00	3.30	31.13	3207.70	3207.70	825.20	2382.50
122+10.00 0	845.578	844.953	5.00	0.00	0.00	0.00	3.55	34.24	3207.70	3207.70	859.44	2348.25
123+0.000	845.199	844.539	5.00	0.00	0.00	0.00	3.83	36.92	3207.70	3207.70	896.36	2311.33
123+10.00 0	844.816	844.130	5.00	0.00	0.00	0.00	4.06	39.45	3207.70	3207.70	935.81	2271.89
124+0.000	844.429	843.679	5.00	0.00	0.00	0.00	4.41	42.35	3207.70	3207.70	978.16	2229.54
124+10.00 0	844.040	843.246	5.00	0.00	0.00	0.00	4.85	46.32	3207.70	3207.70	1024.47	2183.22
125+0.000	843.647	842.825	5.00	0.00	0.00	0.00	5.11	49.82	3207.70	3207.70	1074.29	2133.41
125+10.00 0	843.251	842.471	5.00	0.00	0.00	0.00	4.99	50.54	3207.70	3207.70	1124.83	2082.87
126+0.000	842.852	842.107	5.00	0.00	0.00	0.00	4.66	48.25	3207.70	3207.70	1173.08	2034.62
126+10.00 0	842.449	841.726	5.00	0.00	0.00	0.00	4.61	46.35	3207.70	3207.70	1219.43	1988.27
127+0.000	842.044	841.328	5.00	0.00	0.00	0.00	4.48	45.51	3207.70	3207.70	1264.94	1942.76
127+10.00 0	841.635	840.952	5.00	0.00	0.00	0.00	4.15	43.21	3207.70	3207.70	1308.14	1899.55
128+0.000	841.223	840.623	5.00	0.00	0.00	0.00	3.45	37.96	3207.70	3207.70	1346.11	1861.59
128+10.00 0	840.807	840.334	5.00	0.00	0.00	0.00	2.53	29.91	3207.70	3207.70	1376.02	1831.68
129+0.000	840.388	840.066	5.00	0.00	0.00	0.00	1.49	20.14	3207.70	3207.70	1396.16	1811.54
129+10.00 0	839.967	839.832	5.00	0.09	0.45	0.45	0.38	9.36	3208.15	3208.15	1405.52	1802.63
130+0.000	839.554	839.610	5.00	0.99	5.38	5.38	0.00	1.92	3213.52	3213.52	1407.44	1806.08
130+10.00 0	839.246	839.397	5.00	1.72	13.47	13.47	0.00	0.00	3226.99	3226.99	1407.44	1819.55
131+0.000	839.064	839.195	5.00	1.73	17.28	17.28	0.00	0.00	3244.27	3244.27	1407.44	1836.83
131+10.00 0	839.008	839.132	5.00	1.60	16.49	16.49	0.00	0.00	3260.76	3260.76	1407.44	1853.32
132+0.000	839.066	839.142	5.00	1.12	13.43	13.43	0.00	0.00	3274.19	3274.19	1407.44	1866.75
132+10.00 0	839.146	839.219	5.00	1.09	11.00	11.00	0.00	0.00	3285.19	3285.19	1407.44	1877.75
133+0.000	839.226	839.310	5.00	1.16	11.18	11.18	0.00	0.00	3296.37	3296.37	1407.44	1888.93
133+10.00 0	839.306	839.414	5.00	1.53	13.44	13.44	0.00	0.00	3309.81	3309.81	1407.44	1902.37


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134+0.000	839.386	839.600	5.00	2.32	19.28	19.28	0.00	0.00	3329.09	3329.09	1407.44	1921.65
134+10.00 0	839.466	839.765	5.00	2.88	26.03	26.03	0.00	0.00	3355.13	3355.13	1407.44	1947.68
135+0.000	839.546	839.904	5.00	3.44	31.62	31.62	0.00	0.00	3386.75	3386.75	1407.44	1979.31
135+10.00 0	839.626	840.073	5.00	4.23	38.42	38.42	0.00	0.00	3425.17	3425.17	1407.44	2017.72
136+0.000	839.706	840.234	5.00	4.88	45.61	45.61	0.00	0.00	3470.77	3470.77	1407.44	2063.33
136+10.00 0	839.785	840.369	5.00	5.36	51.23	51.23	0.00	0.00	3522.00	3522.00	1407.44	2114.56
137+0.000	839.865	840.477	5.00	5.53	54.45	54.45	0.00	0.00	3576.45	3576.45	1407.44	2169.01
137+10.00 0	839.945	840.564	5.00	5.31	54.21	54.21	0.00	0.00	3630.66	3630.66	1407.44	2223.21
138+0.000	840.025	840.548	5.00	4.46	48.82	48.82	0.00	0.00	3679.48	3679.48	1407.44	2272.03
138+10.00 0	840.105	840.519	5.00	3.49	39.73	39.73	0.00	0.00	3719.20	3719.20	1407.44	2311.76
139+0.000	840.185	840.476	5.00	2.52	30.07	30.07	0.00	0.00	3749.27	3749.27	1407.44	2341.83
139+10.00 0	840.259	840.436	5.00	1.67	20.96	20.96	0.00	0.00	3770.23	3770.23	1407.44	2362.79
140+0.000	840.278	840.382	5.00	1.05	13.62	13.62	0.00	0.00	3783.85	3783.85	1407.44	2376.41
140+10.00 0	840.234	840.294	5.00	0.69	8.74	8.74	0.00	0.00	3792.59	3792.59	1407.44	2385.15
141+0.000	840.126	840.148	5.00	0.36	5.26	5.26	0.00	0.00	3797.85	3797.85	1407.44	2390.41
141+10.00 0	839.960	839.989	5.00	0.48	4.17	4.17	0.00	0.00	3802.02	3802.02	1407.44	2394.57
142+0.000	839.785	839.850	5.00	0.63	5.54	5.54	0.00	0.00	3807.56	3807.56	1407.44	2400.12
142+10.00 0	839.609	839.679	5.00	0.64	6.37	6.37	0.00	0.00	3813.93	3813.93	1407.44	2406.49
143+0.000	839.434	839.506	5.00	0.90	7.72	7.72	0.00	0.00	3821.66	3821.66	1407.44	2414.21
143+10.00 0	839.258	839.399	5.00	1.35	11.27	11.27	0.00	0.00	3832.92	3832.92	1407.44	2425.48
144+0.000	839.083	839.288	5.00	1.73	15.43	15.43	0.00	0.00	3848.36	3848.36	1407.44	2440.91
144+10.00 0	838.907	839.171	5.00	1.99	18.59	18.59	0.00	0.00	3866.94	3866.94	1407.44	2459.50
145+0.000	838.732	839.012	5.00	2.14	20.62	20.62	0.00	0.00	3887.56	3887.56	1407.44	2480.12
145+10.00 0	838.556	838.854	5.00	2.32	22.29	22.29	0.00	0.00	3909.85	3909.85	1407.44	2502.41
146+0.000	838.381	838.697	5.00	2.51	24.16	24.16	0.00	0.00	3934.01	3934.01	1407.44	2526.57
146+10.00 0	838.205	838.562	5.00	2.69	26.02	26.02	0.00	0.00	3960.03	3960.03	1407.44	2552.59
147+0.000	838.030	838.422	5.00	2.87	27.76	27.76	0.00	0.00	3987.79	3987.79	1407.44	2580.35
147+10.00 0	837.854	838.277	5.00	3.05	29.65	29.65	0.00	0.00	4017.44	4017.44	1407.44	2610.00
148+0.000	837.679	838.106	5.00	3.01	30.37	30.37	0.00	0.00	4047.81	4047.81	1407.44	2640.37
148+10.00 0	837.503	837.925	5.00	2.84	29.24	29.24	0.00	0.00	4077.06	4077.06	1407.44	2669.61
149+0.000	837.328	837.728	5.00	2.67	27.53	27.53	0.00	0.00	4104.59	4104.59	1407.44	2697.15
149+10.00 0	837.152	837.541	5.00	2.40	25.37	25.37	0.00	0.00	4129.96	4129.96	1407.44	2722.51
150+0.000	836.977	837.321	5.00	1.80	21.02	21.02	0.00	0.00	4150.97	4150.97	1407.44	2743.53
150+10.00 0	836.801	837.040	5.00	1.22	15.11	15.11	0.02	0.13	4166.08	4166.08	1407.57	2758.51
151+0.000	836.626	836.793	5.00	0.83	10.23	10.23	0.08	0.53	4176.31	4176.31	1408.10	2768.21
151+10.00 0	836.450	836.547	5.00	0.47	6.51	6.51	0.16	1.22	4182.82	4182.82	1409.32	2773.50
152+0.000	836.275	836.289	5.00	0.21	3.41	3.41	0.24	2.02	4186.23	4186.23	1411.34	2774.89
152+10.00 0	836.099	836.102	5.00	0.26	2.36	2.36	0.31	2.79	4188.59	4188.59	1414.13	2774.46
153+0.000	835.924	835.950	5.00	0.32	2.94	2.94	0.37	3.43	4191.53	4191.53	1417.56	2773.97
153+10.00 0	835.748	835.785	5.00	0.36	3.41	3.41	0.44	4.05	4194.94	4194.94	1421.61	2773.34
154+0.000	835.573	835.604	5.00	0.31	3.34	3.34	0.53	4.82	4198.28	4198.28	1426.43	2771.85
154+10.00 0	835.397	835.410	5.00	0.24	2.75	2.75	0.66	5.94	4201.03	4201.03	1432.37	2768.66
155+0.000	835.222	835.217	5.00	0.18	2.13	2.13	0.77	7.16	4203.16	4203.16	1439.53	2763.63
155+10.00 0	835.046	835.008	5.00	0.05	1.15	1.15	0.91	8.40	4204.31	4204.31	1447.93	2756.38
156+0.000	834.871	834.771	5.00	0.00	0.24	0.24	1.14	10.21	4204.55	4204.55	1458.14	2746.40
156+10.00 0	834.695	834.546	5.00	0.00	0.00	0.00	1.46	12.92	4204.55	4204.55	1471.06	2733.48
157+0.000	834.507	834.303	5.00	0.00	0.00	0.00	1.89	16.73	4204.55	4204.55	1487.79	2716.75
157+10.00 0	834.278	834.002	5.00	0.00	0.00	0.00	2.10	19.93	4204.55	4204.55	1507.72	2696.82
158+0.000	834.008	833.731	5.00	0.00	0.00	0.00	1.90	19.98	4204.55	4204.55	1527.70	2676.84
158+10.00 0	833.698	833.482	5.00	0.00	0.00	0.00	1.38	16.40	4204.55	4204.55	1544.10	2660.45
159+0.000	833.360	833.278	5.00	0.00	0.00	0.00	0.68	10.28	4204.55	4204.55	1554.38	2650.16
159+10.00 0	833.021	832.985	5.00	0.10	0.50	0.50	0.19	4.32	4205.04	4205.04	1558.71	2646.34
160+0.000	832.683	832.654	5.00	0.20	1.52	1.52	0.03	1.09	4206.56	4206.56	1559.79	2646.76
160+10.00 0	832.344	832.382	5.00	0.44	3.24	3.24	0.00	0.14	4209.80	4209.80	1559.93	2649.87
161+0.000	832.005	832.088	5.00	0.68	5.59	5.59	0.00	0.00	4215.40	4215.40	1559.93	2655.46
161+10.00 0	831.666	831.773	5.00	0.87	7.74	7.74	0.00	0.00	4223.14	4223.14	1559.93	2663.20
162+0.000	831.327	831.480	5.00	1.11	9.90	9.90	0.00	0.00	4233.04	4233.04	1559.93	2673.11


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162+10.00 0	830.988	831.182	5.00	1.35	12.28	12.28	0.00	0.00	4245.31	4245.31	1559.93	2685.38
163+0.000	830.650	830.877	5.00	1.60	14.75	14.75	0.00	0.00	4260.07	4260.07	1559.93	2700.14
163+10.00 0	830.311	830.522	5.00	1.72	16.63	16.63	0.00	0.00	4276.70	4276.70	1559.93	2716.77
164+0.000	829.972	830.193	5.00	1.61	16.71	16.71	0.00	0.00	4293.41	4293.41	1559.93	2733.48
164+10.00 0	829.633	829.913	5.00	1.63	16.23	16.23	0.00	0.00	4309.64	4309.64	1559.93	2749.71
165+0.000	829.294	829.552	5.00	1.71	16.71	16.71	0.00	0.00	4326.35	4326.35	1559.93	2766.42
165+10.00 0	828.956	829.183	5.00	1.81	17.60	17.60	0.00	0.00	4343.95	4343.95	1559.93	2784.01
166+0.000	828.617	828.824	5.00	1.96	18.89	18.89	0.00	0.00	4362.83	4362.83	1559.93	2802.90
166+10.00 0	828.278	828.534	5.00	2.12	20.45	20.45	0.00	0.00	4383.28	4383.28	1559.93	2823.35
167+0.000	827.939	828.266	5.00	2.22	21.70	21.70	0.00	0.00	4404.98	4404.98	1559.93	2845.04
167+10.00 0	827.600	827.961	5.00	2.30	22.60	22.60	0.00	0.00	4427.58	4427.58	1559.93	2867.65
168+0.000	827.261	827.625	5.00	2.38	23.43	23.43	0.00	0.00	4451.01	4451.01	1559.93	2891.08
168+10.00 0	826.923	827.263	5.00	2.44	24.16	24.16	0.00	0.00	4475.17	4475.17	1559.93	2915.23
169+0.000	826.584	826.868	5.00	2.36	24.00	24.00	0.00	0.00	4499.17	4499.17	1559.93	2939.23
169+10.00 0	826.245	826.510	5.00	2.15	22.56	22.56	0.00	0.00	4521.73	4521.73	1559.93	2961.79
170+0.000	825.906	826.192	5.00	2.07	21.10	21.10	0.00	0.00	4542.83	4542.83	1559.93	2982.90
170+10.00 0	825.567	825.811	5.00	2.01	20.42	20.42	0.00	0.00	4563.25	4563.25	1559.93	3003.32
171+0.000	825.228	825.447	5.00	1.80	19.08	19.08	0.00	0.00	4582.33	4582.33	1559.93	3022.40
171+10.00 0	824.890	825.132	5.00	1.58	16.91	16.91	0.00	0.00	4599.24	4599.24	1559.93	3039.31
172+0.000	824.551	824.796	5.00	1.41	14.94	14.94	0.00	0.00	4614.18	4614.18	1559.93	3054.24
172+10.00 0	824.212	824.424	5.00	1.00	12.05	12.05	0.00	0.00	4626.22	4626.22	1559.93	3066.29
173+0.000	823.873	823.921	5.00	0.55	7.75	7.75	0.00	0.00	4633.98	4633.98	1559.93	3074.04
173+10.00 0	823.534	823.497	5.00	0.20	3.75	3.75	0.06	0.30	4637.73	4637.73	1560.23	3077.50
174+0.000	823.196	823.118	5.00	0.09	1.45	1.45	0.39	2.23	4639.18	4639.18	1562.47	3076.72
174+10.00 0	822.857	822.697	5.00	0.03	0.59	0.59	0.88	6.34	4639.77	4639.77	1568.81	3070.97
175+0.000	822.518	822.257	5.00	0.00	0.14	0.14	1.53	12.05	4639.91	4639.91	1580.86	3059.06
175+10.00 0	822.179	821.797	5.00	0.00	0.00	0.00	2.33	19.27	4639.91	4639.91	1600.12	3039.79
176+0.000	821.840	821.331	5.00	0.00	0.00	0.00	3.01	26.67	4639.91	4639.91	1626.79	3013.12
176+10.00 0	821.501	820.917	5.00	0.00	0.00	0.00	3.01	30.13	4639.91	4639.91	1656.92	2983.00
177+0.000	821.163	820.595	5.00	0.00	0.00	0.00	2.88	29.48	4639.91	4639.91	1686.40	2953.52
177+10.00 0	820.824	820.269	5.00	0.00	0.00	0.00	2.80	28.42	4639.91	4639.91	1714.82	2925.10
178+0.000	820.485	819.928	5.00	0.00	0.00	0.00	2.79	27.94	4639.91	4639.91	1742.76	2897.16
178+10.00 0	820.146	819.558	5.00	0.00	0.00	0.00	2.85	28.18	4639.91	4639.91	1770.94	2868.98
179+0.000	819.807	819.214	5.00	0.00	0.00	0.00	2.91	28.81	4639.91	4639.91	1799.74	2840.17
179+10.00 0	819.469	818.884	5.00	0.00	0.00	0.00	2.92	29.11	4639.91	4639.91	1828.86	2811.06
180+0.000	819.130	818.568	5.00	0.00	0.00	0.00	2.93	29.22	4639.91	4639.91	1858.07	2781.84
180+10.00 0	818.791	818.272	5.00	0.00	0.00	0.00	2.83	28.80	4639.91	4639.91	1886.88	2753.04
181+0.000	818.452	817.976	5.00	0.00	0.00	0.00	2.57	27.06	4639.91	4639.91	1913.94	2725.98
181+10.00 0	818.113	817.663	5.00	0.00	0.00	0.00	2.27	24.23	4639.91	4639.91	1938.16	2701.75
182+0.000	817.774	817.371	5.00	0.00	0.00	0.00	1.98	21.25	4639.91	4639.91	1959.41	2680.50
182+10.00 0	817.436	817.094	5.00	0.00	0.00	0.00	1.59	17.86	4639.91	4639.91	1977.28	2662.64
183+0.000	817.097	816.836	5.00	0.00	0.00	0.00	1.13	13.62	4639.91	4639.91	1990.90	2649.02
183+10.00 0	816.758	816.564	5.00	0.02	0.09	0.09	0.71	9.16	4640.00	4640.00	2000.05	2639.95
184+0.000	816.419	816.281	5.00	0.08	0.49	0.49	0.40	5.55	4640.49	4640.49	2005.61	2634.89
184+10.00 0	816.080	816.015	5.00	0.21	1.47	1.47	0.11	2.60	4641.96	4641.96	2008.20	2633.76
185+0.000	815.742	815.749	5.00	0.57	3.90	3.90	0.00	0.57	4645.86	4645.86	2008.78	2637.08
185+10.00 0	815.415	815.484	5.00	0.99	7.76	7.76	0.00	0.00	4653.62	4653.62	2008.78	2644.84
186+0.000	815.123	815.260	5.00	1.26	11.25	11.25	0.00	0.00	4664.88	4664.88	2008.78	2656.10
186+10.00 0	814.865	815.051	5.00	1.50	13.83	13.83	0.00	0.00	4678.71	4678.71	2008.78	2669.93
187+0.000	814.642	814.865	5.00	1.70	16.01	16.01	0.00	0.00	4694.71	4694.71	2008.78	2685.93
187+10.00 0	814.441	814.675	5.00	1.80	17.48	17.48	0.00	0.00	4712.19	4712.19	2008.78	2703.41
188+0.000	814.241	814.487	5.00	1.88	18.38	18.38	0.00	0.00	4730.57	4730.57	2008.78	2721.79
188+10.00 0	814.041	814.313	5.00	2.06	19.69	19.69	0.00	0.00	4750.26	4750.26	2008.78	2741.49
189+0.000	813.841	814.151	5.00	2.34	21.99	21.99	0.00	0.00	4772.26	4772.26	2008.78	2763.48
189+10.00 0	813.640	813.995	5.00	2.70	25.18	25.18	0.00	0.00	4797.44	4797.44	2008.78	2788.66
190+0.000	813.440	813.792	5.00	2.78	27.39	27.39	0.00	0.00	4824.83	4824.83	2008.78	2816.05
190+10.00 0	813.240	813.584	5.00	2.74	27.61	27.61	0.00	0.00	4852.44	4852.44	2008.78	2843.66

191+0.000	813.039	813.375	5.00	2.67	27.01	27.01	0.00	0.00	4879.46	4879.46	2008.78	2870.68
191+10.00 0	812.839	813.180	5.00	2.69	26.79	26.79	0.00	0.00	4906.24	4906.24	2008.78	2897.46
192+0.000	812.639	812.983	5.00	2.69	26.85	26.85	0.00	0.00	4933.09	4933.09	2008.78	2924.31
192+10.00 0	812.439	812.783	5.00	2.51	25.96	25.96	0.00	0.00	4959.05	4959.05	2008.78	2950.27
193+0.000	812.238	812.532	5.00	2.07	22.84	22.84	0.00	0.00	4981.88	4981.88	2008.78	2973.10
193+10.00 0	812.038	812.269	5.00	1.54	17.99	17.99	0.00	0.00	4999.87	4999.87	2008.78	2991.10
194+0.000	811.838	811.992	5.00	1.13	13.36	13.36	0.00	0.00	5013.23	5013.23	2008.78	3004.46
194+10.00 0	811.635	811.732	5.00	0.77	9.48	9.48	0.00	0.00	5022.72	5022.72	2008.78	3013.94
195+0.000	811.405	811.427	5.00	0.33	5.47	5.47	0.00	0.00	5028.18	5028.18	2008.78	3019.40
195+10.00 0	811.142	811.060	5.00	0.00	1.64	1.64	0.32	1.61	5029.82	5029.82	2010.39	3019.43
196+0.000	810.845	810.618	5.00	0.00	0.00	0.00	1.12	7.23	5029.82	5029.82	2017.63	3012.20
196+10.00 0	810.516	810.231	5.00	0.00	0.00	0.00	1.34	12.37	5029.82	5029.82	2029.99	2999.83
197+0.000	810.181	809.956	5.00	0.00	0.00	0.00	1.15	12.43	5029.82	5029.82	2042.43	2987.39
197+10.00 0	809.846	809.643	5.00	0.00	0.00	0.00	0.98	10.67	5029.82	5029.82	2053.10	2976.72
198+0.000	809.511	809.306	5.00	0.00	0.00	0.00	1.05	10.17	5029.82	5029.82	2063.27	2966.55
198+10.00 0	809.176	808.934	5.00	0.00	0.00	0.00	1.15	11.00	5029.82	5029.82	2074.27	2955.55
199+0.000	808.841	808.605	5.00	0.00	0.00	0.00	1.10	11.25	5029.82	5029.82	2085.52	2944.30
199+10.00 0	808.506	808.285	5.00	0.00	0.00	0.00	0.98	10.45	5029.82	5029.82	2095.97	2933.85
200+0.000	808.171	807.966	5.00	0.00	0.00	0.00	0.81	8.96	5029.82	5029.82	2104.92	2924.90
200+10.00 0	807.836	807.673	5.00	0.00	0.00	0.00	0.58	6.94	5029.82	5029.82	2111.87	2917.96
201+0.000	807.515	807.392	5.00	0.03	0.13	0.13	0.38	4.81	5029.95	5029.95	2116.67	2913.28
201+10.00 0	807.267	807.135	5.00	0.02	0.21	0.21	0.50	4.42	5030.16	5030.16	2121.09	2909.07
202+0.000	807.099	806.871	5.00	0.00	0.09	0.09	1.11	8.04	5030.25	5030.25	2129.13	2901.11
202+10.00 0	807.010	806.608	5.00	0.00	0.00	0.00	2.35	17.33	5030.25	5030.25	2146.46	2883.79
203+0.000	806.988	806.392	5.00	0.00	0.00	0.00	4.09	32.21	5030.25	5030.25	2178.67	2851.58
203+10.00 0	806.972	806.062	5.00	0.00	0.00	0.00	6.53	53.06	5030.25	5030.25	2231.73	2798.52
204+0.000	806.957	805.976	5.00	0.00	0.00	0.00	7.86	71.95	5030.25	5030.25	2303.68	2726.57
204+10.00 0	806.941	805.818	5.00	0.00	0.00	0.00	9.50	86.80	5030.25	5030.25	2390.48	2639.77
205+0.000	806.928	805.621	5.00	0.00	0.00	0.00	10.56	100.31	5030.25	5030.25	2490.79	2539.46
205+10.00 0	806.923	805.555	5.00	0.00	0.00	0.00	11.15	108.56	5030.25	5030.25	2599.34	2430.91
206+0.000	806.925	805.533	5.00	0.00	0.00	0.00	11.14	111.47	5030.25	5030.25	2710.81	2319.44
206+10.00 0	806.936	805.650	5.00	0.00	0.00	0.00	9.47	102.80	5030.25	5030.25	2813.61	2216.64
207+0.000	806.951	805.783	5.00	0.00	0.00	0.00	8.24	88.59	5030.25	5030.25	2902.20	2128.05
207+10.00 0	806.966	805.894	5.00	0.00	0.00	0.00	7.30	77.80	5030.25	5030.25	2980.00	2050.24
208+0.000	806.981	806.195	5.00	0.00	0.00	0.00	5.52	64.00	5030.25	5030.25	3044.01	1986.24
208+10.00 0	806.996	806.300	5.00	0.00	0.00	0.00	4.88	51.99	5030.25	5030.25	3095.99	1934.26
209+0.000	807.011	806.431	5.00	0.00	0.00	0.00	4.17	45.31	5030.25	5030.25	3141.30	1888.95
209+10.00 0	807.026	806.568	5.00	0.00	0.00	0.00	3.23	37.07	5030.25	5030.25	3178.36	1851.88
210+0.000	807.041	806.696	5.00	0.00	0.00	0.00	2.33	27.81	5030.25	5030.25	3206.17	1824.08
210+10.00 0	807.046	806.884	5.00	0.00	0.00	0.00	1.19	17.61	5030.25	5030.25	3223.78	1806.47
211+0.000	807.033	807.076	5.00	0.32	1.64	1.64	0.21	6.90	5031.89	5031.89	3230.68	1801.21
211+10.00 0	807.001	807.077	5.00	0.43	3.80	3.80	0.19	1.96	5035.69	5035.69	3232.65	1803.05
212+0.000	806.952	806.992	5.00	0.27	3.54	3.54	0.22	1.99	5039.23	5039.23	3234.63	1804.60
212+10.00 0	806.895	806.857	5.00	0.04	1.54	1.54	0.28	2.50	5040.77	5040.77	3237.13	1803.64
213+0.000	806.838	806.770	5.00	0.00	0.22	0.22	0.43	3.57	5040.99	5040.99	3240.70	1800.29
213+10.00 0	806.781	806.690	5.00	0.00	0.02	0.02	0.53	4.79	5041.01	5041.01	3245.49	1795.52
214+0.000	806.724	806.620	5.00	0.00	0.00	0.00	0.70	6.13	5041.01	5041.01	3251.61	1789.40
214+10.00 0	806.667	806.549	5.00	0.00	0.00	0.00	0.86	7.83	5041.01	5041.01	3259.45	1781.56
215+0.000	806.610	806.465	5.00	0.00	0.00	0.00	1.22	10.33	5041.01	5041.01	3269.78	1771.23
215+10.00 0	806.553	806.348	5.00	0.00	0.00	0.00	1.97	15.91	5041.01	5041.01	3285.69	1755.32
216+0.000	806.496	806.173	5.00	0.00	0.00	0.00	2.64	23.03	5041.01	5041.01	3308.72	1732.29
216+10.00 0	806.439	806.002	5.00	0.00	0.00	0.00	2.89	27.67	5041.01	5041.01	3336.39	1704.62
217+0.000	806.382	805.902	5.00	0.00	0.00	0.00	2.88	28.85	5041.01	5041.01	3365.25	1675.76
217+10.00 0	806.325	805.843	5.00	0.00	0.00	0.00	2.51	26.92	5041.01	5041.01	3392.17	1648.84
218+0.000	806.267	805.790	5.00	0.00	0.00	0.00	2.32	24.14	5041.01	5041.01	3416.30	1624.71
218+10.00 0	806.210	805.698	5.00	0.00	0.00	0.00	2.30	23.09	5041.01	5041.01	3439.39	1601.62
219+0.000	806.153	805.713	5.00	0.00	0.00	0.00	1.78	20.39	5041.01	5041.01	3459.78	1581.23


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219+10.00 0	806.096	805.765	5.00	0.08	0.39	0.39	1.28	15.26	5041.40	5041.40	3475.04	1566.36
220+0.000	806.039	805.690	5.00	0.19	1.34	1.34	0.85	10.62	5042.74	5042.74	3485.66	1557.08
220+10.00 0	805.982	805.708	5.00	0.24	2.19	2.19	0.43	6.38	5044.93	5044.93	3492.04	1552.90
221+0.000	805.925	805.806	5.00	0.34	2.91	2.91	0.15	2.90	5047.84	5047.84	3494.94	1552.90
221+10.00 0	805.868	805.896	5.00	0.54	4.40	4.40	0.00	0.74	5052.24	5052.24	3495.68	1556.56
222+0.000	805.811	805.990	5.00	0.91	7.23	7.23	0.00	0.00	5059.47	5059.47	3495.68	1563.79
222+10.00 0	805.754	806.090	5.00	1.66	12.85	12.85	0.00	0.00	5072.32	5072.32	3495.68	1576.64
223+0.000	805.697	806.109	5.00	2.49	20.72	20.72	0.00	0.00	5093.04	5093.04	3495.68	1597.36
223+10.00 0	805.640	806.095	5.00	3.10	27.92	27.92	0.00	0.00	5120.96	5120.96	3495.68	1625.28
224+0.000	805.583	806.046	5.00	3.02	30.57	30.57	0.00	0.00	5151.54	5151.54	3495.68	1655.85
224+10.00 0	805.526	805.892	5.00	2.13	25.78	25.78	0.00	0.00	5177.32	5177.32	3495.68	1681.63
225+0.000	805.469	805.709	5.00	1.22	16.75	16.75	0.00	0.00	5194.07	5194.07	3495.68	1698.39
225+10.00 0	805.412	805.512	5.00	0.41	8.15	8.15	0.05	0.25	5202.22	5202.22	3495.93	1706.29
226+0.000	805.355	805.257	5.00	0.01	2.12	2.12	0.42	2.34	5204.34	5204.34	3498.28	1706.06
226+10.00 0	805.298	805.017	5.00	0.00	0.07	0.07	1.18	8.03	5204.40	5204.40	3506.31	1698.09
227+0.000	805.241	804.929	5.00	0.00	0.00	0.00	1.88	15.34	5204.40	5204.40	3521.65	1682.75
227+10.00 0	805.184	804.861	5.00	0.00	0.00	0.00	2.23	20.57	5204.40	5204.40	3542.22	1662.18
228+0.000	805.127	804.805	5.00	0.00	0.00	0.00	2.53	23.74	5204.40	5204.40	3565.97	1638.43
228+10.00 0	805.039	804.750	5.00	0.00	0.00	0.00	2.64	25.83	5204.40	5204.40	3591.79	1612.61
229+0.000	804.890	804.696	5.00	0.00	0.00	0.00	2.31	24.74	5204.40	5204.40	3616.53	1587.87
229+10.00 0	804.680	804.579	5.00	0.00	0.00	0.00	2.18	22.44	5204.40	5204.40	3638.98	1565.42
230+0.000	804.409	804.225	5.00	0.00	0.00	0.00	1.94	20.58	5204.40	5204.40	3659.56	1544.84
230+10.00 0	804.107	803.943	5.00	0.00	0.00	0.00	1.31	16.21	5204.40	5204.40	3675.77	1528.63
231+0.000	803.805	803.709	5.00	0.00	0.00	0.00	0.67	9.94	5204.40	5204.40	3685.70	1518.70
231+10.00 0	803.504	803.548	5.00	0.03	0.16	0.16	0.07	3.70	5204.56	5204.56	3689.41	1515.15
232+0.000	803.202	803.355	5.00	0.63	3.32	3.32	0.00	0.34	5207.88	5207.88	3689.74	1518.14
232+10.00 0	802.900	803.136	5.00	1.36	9.96	9.96	0.00	0.00	5217.84	5217.84	3689.74	1528.10
233+0.000	802.598	802.888	5.00	2.00	16.82	16.82	0.00	0.00	5234.66	5234.66	3689.74	1544.91
233+10.00 0	802.297	802.652	5.00	2.50	22.48	22.48	0.00	0.00	5257.14	5257.14	3689.74	1567.40
234+0.000	801.995	802.432	5.00	3.02	27.59	27.59	0.00	0.00	5284.73	5284.73	3689.74	1594.99
234+10.00 0	801.693	802.113	5.00	3.20	31.23	31.23	0.00	0.00	5315.96	5315.96	3689.74	1626.22
235+0.000	801.391	801.785	5.00	2.93	30.63	30.63	0.00	0.00	5346.59	5346.59	3689.74	1656.84
235+10.00 0	801.090	801.455	5.00	2.66	27.97	27.97	0.00	0.00	5374.56	5374.56	3689.74	1684.82
236+0.000	800.788	801.078	5.00	2.43	25.45	25.45	0.00	0.00	5400.01	5400.01	3689.74	1710.27
236+10.00 0	800.486	800.716	5.00	2.17	23.01	23.01	0.00	0.00	5423.02	5423.02	3689.74	1733.28
237+0.000	800.184	800.424	5.00	1.99	20.78	20.78	0.00	0.00	5443.80	5443.80	3689.74	1754.05
237+10.00 0	799.883	800.094	5.00	1.67	18.37	18.37	0.00	0.00	5462.17	5462.17	3689.74	1772.42
238+0.000	799.581	799.742	5.00	1.20	14.28	14.28	0.00	0.00	5476.45	5476.45	3689.74	1786.71
238+10.00 0	799.279	799.359	5.00	0.78	9.90	9.90	0.04	0.19	5486.35	5486.35	3689.94	1796.41
239+0.000	798.977	799.035	5.00	0.67	7.09	7.09	0.18	1.11	5493.44	5493.44	3691.04	1802.39
239+10.00 0	798.676	798.736	5.00	0.67	6.67	6.67	0.29	2.36	5500.11	5500.11	3693.40	1806.71
240+0.000	798.374	798.424	5.00	0.67	6.70	6.70	0.48	3.89	5506.81	5506.81	3697.29	1809.52
240+10.00 0	798.072	798.000	5.00	0.69	6.82	6.82	0.74	6.14	5513.63	5513.63	3703.42	1810.20
241+0.000	797.770	797.512	5.00	0.66	6.87	6.87	1.08	8.98	5520.50	5520.50	3712.41	1808.09
241+10.00 0	797.468	797.044	5.00	0.38	5.17	5.17	1.78	14.29	5525.66	5525.66	3726.70	1798.97
242+0.000	797.167	796.668	5.00	0.17	2.70	2.70	2.36	20.78	5528.37	5528.37	3747.48	1780.88
242+10.00 0	796.865	796.363	5.00	0.04	1.04	1.04	2.37	23.76	5529.41	5529.41	3771.25	1758.16
243+0.000	796.563	796.150	5.00	0.05	0.49	0.49	1.67	20.21	5529.89	5529.89	3791.46	1738.44
243+10.00 0	796.279	795.981	5.00	0.20	1.24	1.24	0.78	12.31	5531.13	5531.13	3803.77	1727.37
244+0.000	796.062	795.857	5.00	0.48	3.39	3.39	0.34	5.60	5534.52	5534.52	3809.37	1725.16
244+10.00 0	795.913	795.812	5.00	0.50	4.88	4.88	0.18	2.59	5539.41	5539.41	3811.96	1727.45
245+0.000	795.833	795.801	5.00	0.17	3.36	3.36	0.08	1.27	5542.76	5542.76	3813.23	1729.53
245+10.00 0	795.805	795.790	5.00	0.04	1.07	1.07	0.13	1.01	5543.83	5543.83	3814.24	1729.60
246+0.000	795.778	795.732	5.00	0.08	0.59	0.59	0.11	1.19	5544.42	5544.42	3815.43	1728.99
246+10.00 0	795.752	795.667	5.00	0.20	1.41	1.41	0.15	1.30	5545.83	5545.83	3816.73	1729.10
247+0.000	795.726	795.602	5.00	0.31	2.56	2.56	0.16	1.56	5548.38	5548.38	3818.29	1730.10
247+10.00 0	795.700	795.581	5.00	0.40	3.55	3.55	0.16	1.65	5551.93	5551.93	3819.93	1732.00


 JOTA BARROS PROJETOS
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248+0.000	795.674	795.567	5.00	0.40	4.00	4.00	0.14	1.52	5555.94	5555.94	3821.45	1734.49
248+10.00 0	795.648	795.595	5.00	0.39	3.93	3.93	0.17	1.54	5559.86	5559.86	3822.99	1736.88
249+0.000	795.622	795.636	5.00	0.48	4.34	4.34	0.27	2.17	5564.20	5564.20	3825.16	1739.04
249+10.00 0	795.596	795.677	5.00	0.60	5.38	5.38	0.39	3.31	5569.59	5569.59	3828.47	1741.12
250+0.000	795.570	795.718	5.00	0.71	6.56	6.56	0.51	4.50	5576.15	5576.15	3832.97	1743.17
250+10.00 0	795.543	795.759	5.00	0.81	7.61	7.61	0.60	5.54	5583.76	5583.76	3838.51	1745.25
251+0.000	795.517	795.759	5.00	0.88	8.49	8.49	0.71	6.49	5592.25	5592.25	3845.00	1747.25
251+10.00 0	795.491	795.577	5.00	0.43	6.54	6.54	0.94	8.23	5598.79	5598.79	3853.24	1745.55
252+0.000	795.459	795.377	5.00	0.00	2.20	2.20	1.26	11.03	5600.98	5600.98	3864.27	1736.72
252+10.00 0	795.384	795.165	5.00	0.00	0.05	0.05	1.67	14.65	5601.03	5601.03	3878.91	1722.12
253+0.000	795.259	794.986	5.00	0.00	0.00	0.00	1.85	17.58	5601.03	5601.03	3896.49	1704.54
253+10.00 0	795.084	794.812	5.00	0.00	0.00	0.00	1.72	17.81	5601.03	5601.03	3914.30	1686.73
254+0.000	794.866	794.642	5.00	0.00	0.00	0.00	1.49	16.05	5601.03	5601.03	3930.35	1670.68
254+10.00 0	794.642	794.437	5.00	0.00	0.00	0.00	1.27	13.83	5601.03	5601.03	3944.18	1656.85
255+0.000	794.418	794.229	5.00	0.00	0.00	0.00	0.97	11.21	5601.03	5601.03	3955.39	1645.64
255+10.00 0	794.194	794.019	5.00	0.02	0.09	0.09	0.78	8.74	5601.12	5601.12	3964.12	1636.99
256+0.000	793.970	793.817	5.00	0.08	0.50	0.50	0.68	7.28	5601.62	5601.62	3971.40	1630.22
256+10.00 0	793.746	793.599	5.00	0.12	1.02	1.02	0.59	6.33	5602.64	5602.64	3977.73	1624.91
257+0.000	793.522	793.331	5.00	0.16	1.39	1.39	0.57	5.80	5604.03	5604.03	3983.53	1620.50
257+10.00 0	793.298	793.109	5.00	0.12	1.39	1.39	0.62	5.95	5605.42	5605.42	3989.48	1615.94
258+0.000	793.073	792.905	5.00	0.04	0.79	0.79	0.62	6.19	5606.21	5606.21	3995.67	1610.54
258+10.00 0	792.849	792.673	5.00	0.00	0.24	0.24	0.58	6.02	5606.44	5606.44	4001.69	1604.76
259+0.000	792.625	792.434	5.00	0.02	0.14	0.14	0.59	5.88	5606.58	5606.58	4007.57	1599.01
259+10.00 0	792.401	792.192	5.00	0.01	0.15	0.15	0.63	6.10	5606.73	5606.73	4013.67	1593.07
260+0.000	792.177	791.995	5.00	0.00	0.05	0.05	0.64	6.34	5606.78	5606.78	4020.00	1586.78
260+10.00 0	791.953	791.794	5.00	0.00	0.00	0.00	0.54	5.89	5606.78	5606.78	4025.89	1580.89
261+0.000	791.729	791.587	5.00	0.00	0.01	0.01	0.41	4.72	5606.80	5606.80	4030.61	1576.19
261+10.00 0	791.505	791.390	5.00	0.02	0.12	0.12	0.30	3.51	5606.92	5606.92	4034.11	1572.80
262+0.000	791.280	791.191	5.00	0.05	0.37	0.37	0.20	2.50	5607.29	5607.29	4036.61	1570.67
262+10.00 0	791.056	790.985	5.00	0.11	0.83	0.83	0.13	1.65	5608.11	5608.11	4038.27	1569.85
263+0.000	790.832	790.780	5.00	0.19	1.52	1.52	0.06	0.95	5609.63	5609.63	4039.22	1570.41
263+10.00 0	790.608	790.574	5.00	0.30	2.49	2.49	0.03	0.45	5612.12	5612.12	4039.67	1572.45
264+0.000	790.384	790.369	5.00	0.44	3.73	3.73	0.00	0.15	5615.85	5615.85	4039.82	1576.03
264+10.00 0	790.160	790.183	5.00	0.61	5.26	5.26	0.00	0.02	5621.11	5621.11	4039.84	1581.27
265+0.000	789.936	790.000	5.00	0.82	7.15	7.15	0.00	0.00	5628.26	5628.26	4039.84	1588.42
265+10.00 0	789.712	789.792	5.00	0.96	8.90	8.90	0.00	0.00	5637.16	5637.16	4039.84	1597.31
266+0.000	789.488	789.599	5.00	1.07	10.17	10.17	0.00	0.00	5647.33	5647.33	4039.84	1607.49
266+10.00 0	789.263	789.417	5.00	1.24	11.60	11.60	0.00	0.00	5658.93	5658.93	4039.84	1619.08
267+0.000	789.039	789.229	5.00	1.45	13.49	13.49	0.00	0.00	5672.42	5672.42	4039.84	1632.58
267+10.00 0	788.815	789.036	5.00	1.63	15.44	15.44	0.00	0.00	5687.86	5687.86	4039.84	1648.02
268+0.000	788.591	788.835	5.00	1.81	17.23	17.23	0.00	0.00	5705.10	5705.10	4039.84	1665.25
268+10.00 0	788.367	788.644	5.00	2.07	19.35	19.35	0.00	0.00	5724.45	5724.45	4039.84	1684.60
269+0.000	788.143	788.464	5.00	2.33	22.05	22.05	0.00	0.00	5746.50	5746.50	4039.84	1706.66
269+10.00 0	787.919	788.326	5.00	2.68	25.08	25.08	0.00	0.00	5771.58	5771.58	4039.84	1731.74
270+0.000	787.695	788.098	5.00	2.99	28.58	28.58	0.00	0.00	5800.16	5800.16	4039.84	1760.32
270+10.00 0	787.470	787.779	5.00	2.51	27.55	27.55	0.00	0.00	5827.71	5827.71	4039.84	1787.87
271+0.000	787.246	787.406	5.00	1.51	20.18	20.18	0.00	0.00	5847.89	5847.89	4039.84	1808.05
271+10.00 0	787.022	787.038	5.00	0.47	9.97	9.97	0.00	0.00	5857.86	5857.86	4039.84	1818.02
272+0.000	786.798	786.690	5.00	0.02	2.47	2.47	0.37	1.85	5860.34	5860.34	4041.69	1818.64
272+10.00 0	786.574	786.350	5.00	0.00	0.13	0.13	1.02	6.91	5860.46	5860.46	4048.60	1811.86
273+0.000	786.350	786.026	5.00	0.00	0.00	0.00	1.52	12.70	5860.46	5860.46	4061.30	1799.16
273+10.00 0	786.129	785.750	5.00	0.00	0.00	0.00	1.83	16.77	5860.46	5860.46	4078.07	1782.39
274+0.000	785.948	785.577	5.00	0.00	0.00	0.00	1.79	18.13	5860.46	5860.46	4096.20	1764.26
274+10.00 0	785.822	785.471	5.00	0.12	0.59	0.59	1.41	15.99	5861.05	5861.05	4112.20	1748.85
275+0.000	785.748	785.564	5.00	0.50	3.11	3.11	0.59	9.98	5864.16	5864.16	4122.18	1741.98
275+10.00 0	785.725	785.684	5.00	1.09	7.96	7.96	0.07	3.29	5872.12	5872.12	4125.47	1746.65
276+0.000	785.713	785.836	5.00	2.04	15.63	15.63	0.00	0.34	5887.75	5887.75	4125.81	1761.95


 JOTA BATROS PROJETOS
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE

276+10.00 0	785.702	785.945	5.00	3.08	25.58	25.58	0.00	0.00	5913.33	5913.33	4125.81	1787.53
277+0.000	785.691	786.042	5.00	3.74	34.29	34.29	0.00	0.00	5947.62	5947.62	4125.81	1821.81
277+10.00 0	785.680	786.125	5.00	3.99	38.64	38.64	0.00	0.00	5986.26	5986.26	4125.81	1860.45
278+0.000	785.668	786.134	5.00	3.88	39.36	39.36	0.00	0.00	6025.62	6025.62	4125.81	1899.81
278+10.00 0	785.657	786.100	5.00	3.51	36.96	36.96	0.00	0.00	6062.58	6062.58	4125.81	1936.77
279+0.000	785.646	785.988	5.00	2.84	31.75	31.75	0.00	0.00	6094.33	6094.33	4125.81	1968.52
279+10.00 0	785.635	785.816	5.00	1.95	23.94	23.94	0.00	0.00	6118.27	6118.27	4125.81	1992.46
280+0.000	785.623	785.596	5.00	1.13	15.41	15.41	0.01	0.06	6133.68	6133.68	4125.86	2007.82
280+10.00 0	785.612	785.456	5.00	0.56	8.42	8.42	0.24	1.24	6142.10	6142.10	4127.11	2015.00
281+0.000	785.601	785.340	5.00	0.20	3.79	3.79	0.71	4.75	6145.89	6145.89	4131.85	2014.04
281+10.00 0	785.590	785.257	5.00	0.00	0.98	0.98	1.32	10.17	6146.87	6146.87	4142.02	2004.85
282+0.000	785.578	785.146	5.00	0.00	0.00	0.00	1.75	15.33	6146.87	6146.87	4157.35	1989.52
282+10.00 0	785.567	785.038	5.00	0.00	0.00	0.00	1.98	18.62	6146.87	6146.87	4175.97	1970.90
283+0.000	785.556	784.953	5.00	0.00	0.00	0.00	2.17	20.75	6146.87	6146.87	4196.72	1950.15
283+10.00 0	785.545	784.960	5.00	0.00	0.00	0.00	2.27	22.21	6146.87	6146.87	4218.94	1927.93
284+0.000	785.533	785.013	5.00	0.00	0.00	0.00	2.30	22.74	6146.87	6146.87	4241.68	1905.19
284+10.00 0	785.522	785.124	5.00	0.00	0.00	0.00	2.25	22.75	6146.87	6146.87	4264.43	1882.44
285+0.000	785.511	785.152	5.00	0.00	0.00	0.00	1.89	20.75	6146.87	6146.87	4285.18	1861.69
285+10.00 0	785.500	785.147	5.00	0.00	0.00	0.00	1.52	17.07	6146.87	6146.87	4302.25	1844.62
286+0.000	785.488	785.183	5.00	0.00	0.00	0.00	1.27	13.95	6146.87	6146.87	4316.20	1830.67
286+10.00 0	785.477	785.226	5.00	0.00	0.00	0.00	1.01	11.42	6146.87	6146.87	4327.62	1819.25
287+0.000	785.466	785.270	5.00	0.00	0.00	0.00	0.84	9.28	6146.87	6146.87	4336.90	1809.97
287+10.00 0	785.455	785.257	5.00	0.00	0.00	0.00	0.88	8.61	6146.87	6146.87	4345.51	1801.36
288+0.000	785.443	785.276	5.00	0.00	0.00	0.00	0.89	8.86	6146.87	6146.87	4354.37	1792.50
288+10.00 0	785.432	785.330	5.00	0.00	0.00	0.00	0.48	6.87	6146.87	6146.87	4361.24	1785.63
289+0.000	785.421	785.376	5.00	0.03	0.17	0.17	0.16	3.20	6147.04	6147.04	4364.44	1782.60
289+10.00 0	785.410	785.428	5.00	0.26	1.46	1.46	0.00	0.79	6148.50	6148.50	4365.24	1783.26
290+0.000	785.398	785.503	5.00	0.81	5.36	5.36	0.00	0.00	6153.86	6153.86	4365.24	1788.62
290+10.00 0	785.387	785.591	5.00	1.47	11.42	11.42	0.00	0.00	6165.28	6165.28	4365.24	1800.04
291+0.000	785.376	785.680	5.00	2.20	18.37	18.37	0.00	0.00	6183.65	6183.65	4365.24	1818.42
291+10.00 0	785.365	785.740	5.00	2.75	24.77	24.77	0.00	0.00	6208.43	6208.43	4365.24	1843.19
292+0.000	785.354	785.705	5.00	2.75	27.51	27.51	0.00	0.00	6235.93	6235.93	4365.24	1870.69
292+10.00 0	785.342	785.621	5.00	2.29	25.22	25.22	0.00	0.00	6261.15	6261.15	4365.24	1895.92
293+0.000	785.331	785.589	5.00	2.03	21.60	21.60	0.00	0.00	6282.75	6282.75	4365.24	1917.51
293+10.00 0	785.320	785.577	5.00	1.91	19.71	19.71	0.00	0.00	6302.46	6302.46	4365.24	1937.22
294+0.000	785.309	785.586	5.00	2.06	19.85	19.85	0.00	0.00	6322.31	6322.31	4365.24	1957.08
294+10.00 0	785.297	785.520	5.00	1.73	18.91	18.91	0.00	0.00	6341.22	6341.22	4365.24	1975.99
295+0.000	785.286	785.440	5.00	1.26	14.94	14.94	0.00	0.00	6356.16	6356.16	4365.24	1990.92
295+10.00 0	785.275	785.346	5.00	0.70	9.82	9.82	0.00	0.00	6365.98	6365.98	4365.24	2000.74
296+0.000	785.264	785.256	5.00	0.24	4.72	4.72	0.00	0.00	6370.70	6370.70	4365.24	2005.46
296+10.00 0	785.252	785.190	5.00	0.02	1.28	1.28	0.14	0.70	6371.99	6371.99	4365.94	2006.04
297+0.000	785.241	785.155	5.00	0.00	0.08	0.08	0.37	2.54	6372.06	6372.06	4368.48	2003.58
297+10.00 0	785.230	785.065	5.00	0.00	0.00	0.00	0.83	5.95	6372.07	6372.07	4374.43	1997.63
298+0.000	785.205	785.001	5.00	0.00	0.00	0.00	1.08	9.54	6372.07	6372.07	4383.97	1988.09
298+10.00 0	785.146	785.015	5.00	0.00	0.00	0.00	0.62	8.47	6372.07	6372.07	4392.44	1979.63
299+0.000	785.055	784.912	5.00	0.00	0.00	0.00	0.60	6.09	6372.07	6372.07	4398.53	1973.54
299+10.00 0	784.930	784.770	5.00	0.00	0.00	0.00	0.70	6.50	6372.07	6372.07	4405.03	1967.03
300+0.000	784.786	784.611	5.00	0.00	0.00	0.00	0.74	7.18	6372.07	6372.07	4412.22	1959.85
300+10.00 0	784.642	784.477	5.00	0.00	0.00	0.00	0.68	7.07	6372.07	6372.07	4419.29	1952.78
301+0.000	784.498	784.361	5.00	0.00	0.00	0.00	0.57	6.27	6372.07	6372.07	4425.55	1946.51
301+10.00 0	784.354	784.253	5.00	0.00	0.00	0.00	0.36	4.69	6372.07	6372.07	4430.24	1941.83
302+0.000	784.211	784.185	5.00	0.09	0.43	0.43	0.03	1.98	6372.50	6372.50	4432.22	1940.28
302+10.00 0	784.067	784.172	5.00	0.90	4.92	4.92	0.00	0.16	6377.42	6377.42	4432.38	1945.04
303+0.000	783.923	784.057	5.00	1.16	10.30	10.30	0.00	0.00	6387.72	6387.72	4432.38	1955.34
303+10.00 0	783.779	783.909	5.00	1.22	11.90	11.90	0.00	0.00	6399.62	6399.62	4432.38	1967.24
304+0.000	783.635	783.725	5.00	1.11	11.66	11.66	0.00	0.00	6411.28	6411.28	4432.38	1978.90
304+10.00 0	783.491	783.599	5.00	1.22	11.63	11.63	0.00	0.00	6422.91	6422.91	4432.38	1990.53


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305+0.000	783.347	783.490	5.00	1.39	13.00	13.00	0.00	0.00	6435.91	6435.91	4432.38	2003.53
305+10.00 0	783.203	783.397	5.00	1.63	15.07	15.07	0.00	0.00	6450.98	6450.98	4432.38	2018.60
306+0.000	783.059	783.265	5.00	1.71	16.71	16.71	0.00	0.00	6467.69	6467.69	4432.38	2035.31
306+10.00 0	782.915	783.120	5.00	1.69	17.05	17.05	0.00	0.00	6484.74	6484.74	4432.38	2052.36
307+0.000	782.771	782.983	5.00	1.66	16.76	16.76	0.00	0.00	6501.50	6501.50	4432.38	2069.12
307+10.00 0	782.627	782.845	5.00	1.73	16.92	16.92	0.00	0.00	6518.42	6518.42	4432.38	2086.04
308+0.000	782.483	782.710	5.00	1.86	17.94	17.94	0.00	0.00	6536.35	6536.35	4432.38	2103.97
308+10.00 0	782.339	782.599	5.00	2.09	19.79	19.79	0.00	0.00	6556.14	6556.14	4432.38	2123.76
309+0.000	782.195	782.492	5.00	2.37	22.34	22.34	0.00	0.00	6578.48	6578.48	4432.38	2146.10
309+10.00 0	782.051	782.387	5.00	2.67	25.23	25.23	0.00	0.00	6603.71	6603.71	4432.38	2171.33
310+0.000	781.907	782.256	5.00	2.81	27.42	27.42	0.00	0.00	6631.12	6631.12	4432.38	2198.74
310+10.00 0	781.763	782.098	5.00	2.76	27.87	27.87	0.00	0.00	6658.99	6658.99	4432.38	2226.61
311+0.000	781.619	781.907	5.00	2.40	25.80	25.80	0.00	0.00	6684.79	6684.79	4432.38	2252.41
311+10.00 0	781.475	781.721	5.00	2.09	22.43	22.43	0.00	0.00	6707.22	6707.22	4432.38	2274.84
312+0.000	781.332	781.547	5.00	1.84	19.66	19.66	0.00	0.00	6726.88	6726.88	4432.38	2294.50
312+10.00 0	781.188	781.398	5.00	1.81	18.27	18.27	0.00	0.00	6745.15	6745.15	4432.38	2312.77
313+0.000	781.044	781.218	5.00	1.57	16.88	16.88	0.00	0.00	6762.03	6762.03	4432.38	2329.65
313+10.00 0	780.900	781.024	5.00	1.20	13.84	13.84	0.00	0.00	6775.87	6775.87	4432.38	2343.49
314+0.000	780.756	780.828	5.00	0.87	10.36	10.36	0.00	0.00	6786.24	6786.24	4432.38	2353.86
314+10.00 0	780.612	780.636	5.00	0.56	7.17	7.17	0.00	0.00	6793.41	6793.41	4432.38	2361.03
315+0.000	780.468	780.447	5.00	0.27	4.16	4.16	0.01	0.06	6797.57	6797.57	4432.44	2365.13
315+10.00 0	780.324	780.266	5.00	0.12	1.98	1.98	0.09	0.51	6799.55	6799.55	4432.95	2366.60
316+0.000	780.180	780.094	5.00	0.05	0.88	0.88	0.20	1.43	6800.43	6800.43	4434.38	2366.05
316+10.00 0	780.036	779.929	5.00	0.03	0.40	0.40	0.30	2.49	6800.82	6800.82	4436.87	2363.96
317+0.000	779.892	779.786	5.00	0.03	0.26	0.26	0.30	2.98	6801.09	6801.09	4439.85	2361.24
317+10.00 0	779.748	779.612	5.00	0.02	0.23	0.23	0.43	3.63	6801.32	6801.32	4443.48	2357.84
318+0.000	779.604	779.409	5.00	0.00	0.10	0.10	0.76	5.93	6801.43	6801.43	4449.41	2352.02
318+10.00 0	779.460	779.223	5.00	0.00	0.00	0.00	0.97	8.67	6801.43	6801.43	4458.08	2343.35
319+0.000	779.316	779.070	5.00	0.00	0.00	0.00	1.02	10.04	6801.43	6801.43	4468.11	2333.31
319+10.00 0	779.172	778.961	5.00	0.00	0.00	0.00	0.88	9.53	6801.43	6801.43	4477.65	2323.78
320+0.000	779.028	778.820	5.00	0.00	0.00	0.00	0.88	8.81	6801.43	6801.43	4486.45	2314.97
320+10.00 0	778.884	778.683	5.00	0.00	0.00	0.00	0.81	8.44	6801.43	6801.43	4494.90	2306.53
321+0.000	778.740	778.566	5.00	0.00	0.02	0.02	0.69	7.50	6801.44	6801.44	4502.39	2299.05
321+10.00 0	778.596	778.410	5.00	0.08	0.43	0.43	0.70	6.94	6801.87	6801.87	4509.33	2292.54
322+0.000	778.452	778.244	5.00	0.05	0.65	0.65	0.77	7.33	6802.52	6802.52	4516.66	2285.86
322+10.00 0	778.309	778.104	5.00	0.04	0.42	0.42	0.89	8.28	6802.94	6802.94	4524.94	2278.01
323+0.000	778.165	777.930	5.00	0.06	0.46	0.46	1.12	10.11	6803.40	6803.40	4535.05	2268.35
323+10.00 0	778.021	777.729	5.00	0.01	0.34	0.34	1.42	12.77	6803.75	6803.75	4547.82	2255.93
324+0.000	777.877	777.557	5.00	0.00	0.06	0.06	1.72	15.73	6803.81	6803.81	4563.55	2240.26
324+10.00 0	777.733	777.403	5.00	0.00	0.00	0.00	1.71	17.30	6803.81	6803.81	4580.84	2222.97
325+0.000	777.590	777.276	5.00	0.00	0.00	0.00	1.61	16.60	6803.81	6803.81	4597.44	2206.37
325+10.00 0	777.462	777.250	5.00	0.00	0.00	0.00	1.10	13.73	6803.82	6803.82	4611.17	2192.65
326+0.000	777.355	777.239	5.00	0.04	0.21	0.21	0.56	8.41	6804.03	6804.03	4619.59	2184.44
326+10.00 0	777.268	777.218	5.00	0.07	0.57	0.57	0.27	4.11	6804.60	6804.60	4623.70	2180.90
327+0.000	777.205	777.161	5.00	0.33	1.98	1.98	0.04	1.56	6806.57	6806.57	4625.25	2181.32
327+10.00 0	777.232	777.155	5.00	1.13	7.29	7.29	0.02	0.28	6813.86	6813.86	4625.53	2188.33
328+0.000	777.383	777.331	5.00	1.29	12.07	12.07	0.20	1.06	6825.93	6825.93	4626.59	2199.34
328+10.00 0	777.659	777.792	5.00	1.59	14.21	14.21	0.11	1.55	6840.14	6840.14	4628.14	2212.00
329+0.000	778.056	778.349	5.00	2.56	21.24	21.24	0.00	0.53	6861.38	6861.38	4628.67	2232.71
329+10.00 0	778.493	778.941	5.00	3.43	28.86	28.86	0.00	0.00	6890.25	6890.25	4628.67	2261.58
330+0.000	778.926	779.371	5.00	3.84	35.41	35.41	0.00	0.00	6925.65	6925.65	4628.67	2296.99
330+10.00 0	779.332	779.700	5.00	3.37	35.53	35.53	0.00	0.00	6961.18	6961.18	4628.67	2332.51
331+0.000	779.703	779.929	5.00	2.25	28.06	28.06	0.03	0.15	6989.25	6989.25	4628.82	2360.43
331+10.00 0	780.039	780.157	5.00	1.39	18.19	18.19	0.20	1.16	7007.44	7007.44	4629.98	2377.46
332+0.000	780.340	780.376	5.00	0.46	9.13	9.13	0.36	2.89	7016.57	7016.57	4632.87	2383.69
332+10.00 0	780.607	780.417	5.00	0.03	2.48	2.48	1.23	8.02	7019.04	7019.04	4640.89	2378.15
333+0.000	780.838	780.537	5.00	0.00	0.16	0.16	1.99	16.29	7019.20	7019.20	4657.18	2362.02


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333+10.00 0	781.035	780.725	5.00	0.00	0.00	0.00	2.31	21.48	7019.20	7019.20	4678.66	2340.54
334+0.000	781.196	780.893	5.00	0.00	0.00	0.00	2.33	23.14	7019.20	7019.20	4701.80	2317.40
334+10.00 0	781.323	781.020	5.00	0.00	0.00	0.00	2.32	23.31	7019.20	7019.20	4725.11	2294.09
335+0.000	781.415	781.097	5.00	0.00	0.00	0.00	2.40	23.60	7019.20	7019.20	4748.72	2270.49
335+10.00 0	781.472	781.159	5.00	0.00	0.00	0.00	2.36	23.80	7019.20	7019.20	4772.52	2246.68
336+0.000	781.494	781.219	5.00	0.00	0.00	0.00	2.09	22.23	7019.20	7019.20	4794.75	2224.45
336+10.00 0	781.481	781.276	5.00	0.00	0.00	0.00	1.57	18.29	7019.20	7019.20	4813.04	2206.16
337+0.000	781.433	781.345	5.00	0.00	0.02	0.02	0.77	11.68	7019.22	7019.22	4824.72	2194.51
337+10.00 0	781.351	781.396	5.00	0.30	1.51	1.51	0.17	4.68	7020.74	7020.74	4829.39	2191.34
338+0.000	781.234	781.401	5.00	0.93	6.13	6.13	0.00	0.84	7026.87	7026.87	4830.23	2196.64
338+10.00 0	781.106	781.337	5.00	1.36	11.40	11.40	0.00	0.00	7038.27	7038.27	4830.23	2208.03
339+0.000	780.978	781.240	5.00	1.58	14.69	14.69	0.00	0.00	7052.96	7052.96	4830.23	2222.72
339+10.00 0	780.850	781.138	5.00	1.76	16.68	16.68	0.00	0.00	7069.63	7069.63	4830.23	2239.40
340+0.000	780.722	780.967	5.00	1.48	16.19	16.19	0.00	0.00	7085.82	7085.82	4830.23	2255.59
340+10.00 0	780.594	780.761	5.00	0.96	12.21	12.21	0.00	0.00	7098.03	7098.03	4830.23	2267.80
341+0.000	780.465	780.551	5.00	0.44	7.01	7.01	0.00	0.01	7105.04	7105.04	4830.25	2274.79
341+10.00 0	780.314	780.347	5.00	0.16	3.01	3.01	0.08	0.41	7108.05	7108.05	4830.66	2277.39
342+0.000	780.112	780.146	5.00	0.14	1.53	1.53	0.08	0.78	7109.57	7109.57	4831.44	2278.13
342+10.00 0	779.860	779.919	5.00	0.29	2.17	2.17	0.02	0.48	7111.75	7111.75	4831.92	2279.83
343+0.000	779.558	779.662	5.00	0.56	4.27	4.27	0.00	0.09	7116.02	7116.02	4832.01	2284.01
343+10.00 0	779.229	779.371	5.00	0.85	7.04	7.04	0.00	0.00	7123.06	7123.06	4832.01	2291.05
344+0.000	778.899	779.128	5.00	1.40	11.25	11.25	0.00	0.00	7134.31	7134.31	4832.01	2302.30
344+10.00 0	778.570	778.878	5.00	1.95	16.76	16.76	0.00	0.00	7151.07	7151.07	4832.01	2319.06
345+0.000	778.241	778.601	5.00	2.33	21.38	21.38	0.00	0.00	7172.46	7172.46	4832.01	2340.45
345+10.00 0	777.911	778.301	5.00	2.53	24.30	24.30	0.00	0.00	7196.76	7196.76	4832.01	2364.75
346+0.000	777.582	777.994	5.00	2.69	26.15	26.15	0.00	0.00	7222.91	7222.91	4832.01	2390.89
346+10.00 0	777.253	777.694	5.00	2.91	28.03	28.03	0.00	0.00	7250.94	7250.94	4832.01	2418.93
347+0.000	776.923	777.368	5.00	2.98	29.47	29.47	0.00	0.00	7280.41	7280.41	4832.01	2448.40
347+10.00 0	776.594	777.025	5.00	2.93	29.55	29.55	0.00	0.00	7309.96	7309.96	4832.01	2477.94
348+0.000	776.265	776.691	5.00	2.90	29.14	29.14	0.00	0.00	7339.10	7339.10	4832.01	2507.09
348+10.00 0	775.935	776.360	5.00	2.88	28.82	28.82	0.00	0.00	7367.92	7367.92	4832.01	2535.90
349+0.000	775.606	776.031	5.00	2.84	28.58	28.58	0.00	0.00	7396.50	7396.50	4832.01	2564.48
349+10.00 0	775.277	775.709	5.00	2.88	28.64	28.64	0.00	0.00	7425.14	7425.14	4832.01	2593.12
350+0.000	774.947	775.350	5.00	2.63	27.58	27.58	0.00	0.00	7452.71	7452.71	4832.01	2620.70
350+10.00 0	774.618	774.936	5.00	2.03	23.33	23.33	0.00	0.00	7476.04	7476.04	4832.01	2644.03
351+0.000	774.289	774.503	5.00	1.31	16.76	16.76	0.00	0.00	7492.80	7492.80	4832.01	2660.79
351+10.00 0	773.959	774.087	5.00	0.77	10.42	10.42	0.00	0.00	7503.22	7503.22	4832.01	2671.21
352+0.000	773.630	773.730	5.00	0.59	6.82	6.82	0.00	0.00	7510.04	7510.04	4832.01	2678.03
352+10.00 0	773.301	773.325	5.00	0.12	3.59	3.59	0.01	0.06	7513.63	7513.63	4832.07	2681.55
353+0.000	772.971	772.848	5.00	0.00	0.62	0.62	0.49	2.45	7514.24	7514.24	4834.53	2679.72
353+10.00 0	772.642	772.213	5.00	0.00	0.00	0.00	2.36	14.17	7514.24	7514.24	4848.69	2665.55
354+0.000	772.313	771.751	5.00	0.00	0.00	0.00	3.36	29.22	7514.24	7514.24	4877.91	2636.33
354+10.00 0	771.984	771.471	5.00	0.00	0.00	0.00	3.38	34.63	7514.24	7514.24	4912.54	2601.71
355+0.000	771.654	771.320	5.00	0.00	0.00	0.00	2.15	27.64	7514.24	7514.24	4940.18	2574.07
355+10.00 0	771.325	771.087	5.00	0.00	0.00	0.00	1.39	17.33	7514.25	7514.25	4957.51	2556.74
356+0.000	770.996	770.781	5.00	0.02	0.11	0.11	1.21	13.15	7514.36	7514.36	4970.66	2543.70
356+10.00 0	770.666	770.573	5.00	0.21	1.18	1.18	0.61	9.13	7515.54	7515.54	4979.79	2535.74
357+0.000	770.337	770.330	5.00	0.46	3.36	3.36	0.20	4.05	7518.90	7518.90	4983.84	2535.06
357+10.00 0	770.008	770.069	5.00	0.76	6.10	6.10	0.03	1.15	7525.00	7525.00	4985.00	2540.00
358+0.000	769.678	769.814	5.00	1.25	10.03	10.03	0.00	0.17	7535.04	7535.04	4985.17	2549.87
358+10.00 0	769.349	769.542	5.00	1.65	14.59	14.59	0.00	0.00	7549.63	7549.63	4985.17	2564.46
359+0.000	769.020	769.254	5.00	1.94	17.95	17.95	0.00	0.00	7567.58	7567.58	4985.17	2582.41
359+10.00 0	768.690	768.935	5.00	2.03	19.92	19.92	0.00	0.00	7587.49	7587.49	4985.17	2602.33
360+0.000	768.361	768.601	5.00	1.97	20.12	20.12	0.00	0.00	7607.61	7607.61	4985.17	2622.44
360+10.00 0	768.032	768.236	5.00	1.72	18.45	18.45	0.00	0.00	7626.06	7626.06	4985.17	2640.89
361+0.000	767.702	767.862	5.00	1.33	15.47	15.47	0.00	0.00	7641.53	7641.53	4985.17	2656.37
361+10.00 0	767.347	767.472	5.00	1.01	11.89	11.89	0.00	0.00	7653.42	7653.42	4985.17	2668.25


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362+0.000	766.906	767.043	5.00	1.02	10.17	10.17	0.01	0.06	7663.59	7663.59	4985.23	2678.35
362+10.00 0	766.378	766.498	5.00	0.87	9.64	9.64	0.00	0.07	7673.23	7673.23	4985.31	2687.92
363+0.000	765.762	765.902	5.00	0.98	9.40	9.40	0.00	0.02	7682.63	7682.63	4985.32	2697.31
363+10.00 0	765.085	765.240	5.00	1.09	10.38	10.38	0.00	0.00	7693.01	7693.01	4985.32	2707.69
364+0.000	764.405	764.550	5.00	0.98	10.41	10.41	0.00	0.00	7703.42	7703.42	4985.32	2718.10
364+10.00 0	763.726	763.851	5.00	0.96	9.69	9.69	0.00	0.00	7713.11	7713.11	4985.32	2727.78
365+0.000	763.047	763.193	5.00	1.09	10.26	10.26	0.00	0.00	7723.36	7723.36	4985.32	2738.04
365+10.00 0	762.367	762.489	5.00	0.78	9.39	9.39	0.00	0.00	7732.75	7732.75	4985.32	2747.43
366+0.000	761.688	761.746	5.00	0.49	6.38	6.38	0.00	0.00	7739.13	7739.13	4985.32	2753.81
366+10.00 0	761.008	761.078	5.00	0.57	5.30	5.30	0.00	0.00	7744.43	7744.43	4985.32	2759.11
367+0.000	760.329	760.378	5.00	0.30	4.33	4.33	0.00	0.00	7748.76	7748.76	4985.32	2763.43
367+10.00 0	759.650	759.630	5.00	0.01	1.53	1.53	0.06	0.29	7750.29	7750.29	4985.61	2764.68
368+0.000	758.970	758.973	5.00	0.10	0.56	0.56	0.07	0.65	7750.85	7750.85	4986.27	2764.58
368+10.00 0	758.291	758.299	5.00	0.00	0.54	0.54	0.11	0.91	7751.39	7751.39	4987.18	2764.20
369+0.000	757.611	757.544	5.00	0.00	0.02	0.02	0.49	3.00	7751.40	7751.40	4990.18	2761.22
369+10.00 0	756.932	756.687	5.00	0.00	0.00	0.00	1.55	10.19	7751.40	7751.40	5000.37	2751.04
370+0.000	756.253	755.799	5.00	0.00	0.00	0.00	2.80	21.83	7751.40	7751.40	5022.20	2729.20
370+10.00 0	755.573	754.953	5.00	0.00	0.00	0.00	3.81	33.04	7751.40	7751.40	5055.24	2696.16
371+0.000	754.894	754.215	5.00	0.00	0.00	0.00	4.04	39.30	7751.40	7751.40	5094.54	2656.86
371+10.00 0	754.214	753.560	5.00	0.00	0.00	0.00	4.11	40.77	7751.40	7751.40	5135.31	2616.10
372+0.000	753.535	752.876	5.00	0.00	0.00	0.00	3.85	39.83	7751.40	7751.40	5175.14	2576.26
372+10.00 0	752.856	752.227	5.00	0.00	0.00	0.00	3.34	36.01	7751.40	7751.40	5211.15	2540.25
373+0.000	752.176	751.615	5.00	0.00	0.00	0.00	2.62	29.85	7751.40	7751.40	5241.01	2510.40
373+10.00 0	751.497	751.162	5.00	0.00	0.00	0.00	1.45	20.37	7751.40	7751.40	5261.38	2490.03
374+0.000	750.817	750.750	5.00	0.40	1.98	1.98	0.06	7.56	7753.38	7753.38	5268.94	2484.44
374+10.00 0	750.149	750.391	5.00	2.94	16.68	16.68	0.00	0.31	7770.07	7770.07	5269.25	2500.82
375+0.000	749.619	750.136	5.00	5.80	43.72	43.72	0.00	0.00	7813.78	7813.78	5269.25	2544.54
375+10.00 0	749.262	749.940	5.00	8.38	70.87	70.87	0.00	0.00	7884.66	7884.66	5269.25	2615.41
376+0.000	749.077	749.887	5.00	9.40	88.88	88.88	0.00	0.00	7973.54	7973.54	5269.25	2704.29
376+10.00 0	749.055	749.806	5.00	7.82	85.84	85.84	0.00	0.00	8059.38	8059.38	5269.25	2790.13
377+0.000	749.067	749.701	5.00	5.82	68.34	68.34	0.00	0.00	8127.72	8127.72	5269.25	2858.47
377+10.00 0	749.079	749.544	5.00	3.32	45.72	45.72	0.00	0.00	8173.44	8173.44	5269.25	2904.19
378+0.000	749.092	749.205	5.00	0.62	19.91	19.91	0.15	0.72	8193.35	8193.35	5269.97	2923.38
378+10.00 0	749.104	748.703	5.00	0.00	3.16	3.16	1.67	9.10	8196.51	8196.51	5279.07	2917.44
379+0.000	749.117	748.377	5.00	0.00	0.05	0.05	3.21	24.34	8196.56	8196.56	5303.41	2893.15
379+10.00 0	749.129	748.139	5.00	0.00	0.00	0.00	4.39	37.99	8196.56	8196.56	5341.40	2855.15
380+0.000	749.142	748.046	5.00	0.00	0.00	0.00	5.59	49.91	8196.56	8196.56	5391.31	2805.25
380+10.00 0	749.154	747.980	5.00	0.00	0.00	0.00	6.11	58.59	8196.56	8196.56	5449.90	2746.66
381+0.000	749.167	747.924	5.00	0.00	0.00	0.00	6.43	62.55	8196.56	8196.56	5512.45	2684.11
381+10.00 0	749.179	747.875	5.00	0.00	0.00	0.00	6.85	66.41	8196.56	8196.56	5578.86	2617.70
382+0.000	749.192	747.865	5.00	0.00	0.00	0.00	6.92	68.85	8196.56	8196.56	5647.71	2548.85
382+10.00 0	749.204	747.891	5.00	0.00	0.00	0.00	7.08	69.97	8196.56	8196.56	5717.68	2478.88
383+0.000	749.217	747.966	5.00	0.00	0.00	0.00	7.17	71.23	8196.56	8196.56	5788.91	2407.65
383+10.00 0	749.229	748.096	5.00	0.00	0.00	0.00	6.62	69.14	8196.56	8196.56	5858.05	2338.51
384+0.000	749.242	748.281	5.00	0.02	0.08	0.08	5.42	60.18	8196.64	8196.64	5918.23	2278.41
384+10.00 0	749.254	748.437	5.00	0.65	3.31	3.31	4.22	48.22	8199.95	8199.95	5966.44	2233.51
385+0.000	749.266	748.592	5.00	1.48	10.79	10.79	3.21	36.95	8210.74	8210.74	6003.40	2207.34
385+10.00 0	749.279	748.748	5.00	1.59	15.37	15.37	2.46	28.36	8226.11	8226.11	6031.76	2194.35
386+0.000	749.291	748.875	5.00	1.49	15.43	15.43	1.80	21.27	8241.54	8241.54	6053.03	2188.51
386+10.00 0	749.304	748.988	5.00	1.05	12.80	12.80	1.29	15.39	8254.34	8254.34	6068.42	2185.92
387+0.000	749.316	749.079	5.00	0.30	6.79	6.79	0.93	11.08	8261.13	8261.13	6079.50	2181.63
387+10.00 0	749.329	749.166	5.00	0.00	1.53	1.53	0.90	9.10	8262.66	8262.66	6088.60	2174.05
388+0.000	749.341	749.248	5.00	0.02	0.08	0.08	0.52	7.07	8262.73	8262.73	6095.68	2167.06
388+10.00 0	749.354	749.267	5.00	0.05	0.35	0.35	0.41	4.68	8263.08	8263.08	6100.35	2162.73
389+0.000	749.366	749.307	5.00	0.06	0.60	0.60	0.33	3.70	8263.68	8263.68	6104.06	2159.63
389+10.00 0	749.379	749.370	5.00	0.19	1.25	1.25	0.23	2.79	8264.94	8264.94	6106.84	2158.09
390+0.000	749.391	749.428	5.00	0.37	2.88	2.88	0.13	1.74	8267.81	8267.81	6108.58	2159.23


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390+10.00 0	749.404	749.389	5.00	0.22	2.95	2.95	0.37	2.52	8270.76	8270.76	6111.10	2159.67
391+0.000	749.416	749.270	5.00	0.07	1.49	1.49	0.78	5.65	8272.25	8272.25	6116.74	2155.51
391+10.00 0	749.429	749.101	5.00	0.00	0.37	0.37	1.09	9.37	8272.63	8272.63	6126.11	2146.51
392+0.000	749.441	749.170	5.00	0.00	0.00	0.00	1.22	11.51	8272.63	8272.63	6137.62	2135.01
392+10.00 0	749.454	749.192	5.00	0.00	0.00	0.00	1.30	12.51	8272.63	8272.63	6150.13	2122.50
393+0.000	749.466	749.172	5.00	0.00	0.00	0.00	1.03	11.65	8272.63	8272.63	6161.79	2110.85
393+10.00 0	749.478	749.256	5.00	0.00	0.00	0.00	0.70	8.65	8272.63	8272.63	6170.44	2102.20
394+0.000	749.491	749.359	5.00	0.03	0.13	0.13	0.40	5.48	8272.76	8272.76	6175.92	2096.85
394+10.00 0	749.503	749.480	5.00	0.13	0.78	0.78	0.15	2.75	8273.54	8273.54	6178.66	2094.88
395+0.000	749.516	749.521	5.00	0.25	1.91	1.91	0.02	0.87	8275.45	8275.45	6179.53	2095.92
395+10.00 0	749.528	749.555	5.00	0.38	3.18	3.18	0.00	0.11	8278.63	8278.63	6179.64	2099.00
396+0.000	749.541	749.593	5.00	0.25	3.15	3.15	0.01	0.06	8281.79	8281.79	6179.70	2102.09
396+10.00 0	749.553	749.567	5.00	0.14	1.97	1.97	0.10	0.58	8283.76	8283.76	6180.27	2103.49
397+0.000	749.566	749.538	5.00	0.08	1.10	1.10	0.22	1.65	8284.86	8284.86	6181.93	2102.94
397+10.00 0	749.578	749.555	5.00	0.08	0.80	0.80	0.14	1.81	8285.66	8285.66	6183.74	2101.93
398+0.000	749.591	749.611	5.00	0.34	2.12	2.12	0.04	0.92	8287.78	8287.78	6184.65	2103.12
398+10.00 0	749.603	749.688	5.00	0.65	4.95	4.95	0.00	0.22	8292.73	8292.73	6184.88	2107.85
399+0.000	749.616	749.757	5.00	1.15	8.99	8.99	0.00	0.00	8301.72	8301.72	6184.88	2116.84
399+10.00 0	749.628	749.802	5.00	1.44	13.00	13.00	0.00	0.00	8314.72	8314.72	6184.88	2129.84
400+0.000	749.641	749.830	5.00	1.63	15.38	15.38	0.00	0.00	8330.11	8330.11	6184.88	2145.23
400+10.00 0	749.653	749.863	5.00	1.66	16.49	16.49	0.00	0.00	8346.60	8346.60	6184.88	2161.72
401+0.000	749.666	749.838	5.00	1.29	14.75	14.75	0.00	0.00	8361.35	8361.35	6184.88	2176.47
401+10.00 0	749.675	749.731	5.00	0.81	10.52	10.52	0.00	0.00	8371.87	8371.87	6184.88	2186.99
402+0.000	749.652	749.708	5.00	0.83	8.22	8.22	0.00	0.01	8380.09	8380.09	6184.89	2195.20
402+10.00 0	749.587	749.701	5.00	0.93	8.84	8.84	0.05	0.27	8388.93	8388.93	6185.16	2203.76
403+0.000	749.479	749.670	5.00	0.85	8.91	8.91	0.37	2.13	8397.84	8397.84	6187.30	2210.54
403+10.00 0	749.332	749.539	5.00	0.90	8.74	8.74	0.58	4.80	8406.58	8406.58	6192.10	2214.48
404+0.000	749.176	749.331	5.00	0.71	8.03	8.03	0.64	6.11	8414.61	8414.61	6198.21	2216.40
404+10.00 0	749.019	749.014	5.00	0.13	4.17	4.17	0.62	6.32	8418.78	8418.78	6204.53	2214.25
405+0.000	748.863	748.774	5.00	0.07	1.00	1.00	0.49	5.56	8419.78	8419.78	6210.09	2209.70
405+10.00 0	748.707	748.598	5.00	0.08	0.77	0.77	0.19	3.42	8420.55	8420.55	6213.50	2207.05
406+0.000	748.550	748.454	5.00	0.15	1.18	1.18	0.14	1.68	8421.73	8421.73	6215.18	2206.55
406+10.00 0	748.394	748.330	5.00	0.26	2.08	2.08	0.10	1.19	8423.81	8423.81	6216.37	2207.44
407+0.000	748.238	748.232	5.00	0.37	3.16	3.16	0.08	0.88	8426.98	8426.98	6217.25	2209.72
407+10.00 0	748.081	748.071	5.00	0.42	3.95	3.95	0.09	0.86	8430.93	8430.93	6218.12	2212.81
408+0.000	747.925	747.904	5.00	0.45	4.35	4.35	0.12	1.06	8435.28	8435.28	6219.17	2216.11
408+10.00 0	747.769	747.684	5.00	0.48	4.66	4.66	0.15	1.34	8439.94	8439.94	6220.51	2219.42
409+0.000	747.612	747.471	5.00	0.50	4.84	4.84	0.19	1.72	8444.78	8444.78	6222.24	2222.54
409+10.00 0	747.456	747.333	5.00	0.63	5.64	5.64	0.14	1.64	8450.42	8450.42	6223.88	2226.54
410+0.000	747.300	747.266	5.00	0.88	7.53	7.53	0.01	0.74	8457.95	8457.95	6224.62	2233.33
410+10.00 0	747.143	747.226	5.00	1.42	11.51	11.51	0.00	0.06	8469.46	8469.46	6224.68	2244.78
411+0.000	746.987	747.163	5.00	1.87	16.48	16.48	0.00	0.00	8485.94	8485.94	6224.68	2261.26
411+10.00 0	746.830	747.039	5.00	2.08	19.75	19.75	0.00	0.00	8505.69	8505.69	6224.68	2281.01
412+0.000	746.674	746.870	5.00	2.02	20.50	20.50	0.00	0.00	8526.19	8526.19	6224.68	2301.51
412+10.00 0	746.518	746.746	5.00	2.22	21.22	21.22	0.00	0.00	8547.41	8547.41	6224.68	2322.73
413+0.000	746.361	746.595	5.00	2.17	21.95	21.95	0.00	0.00	8569.36	8569.36	6224.68	2344.68
413+10.00 0	746.205	746.418	5.00	1.90	20.36	20.36	0.00	0.00	8589.72	8589.72	6224.68	2365.04
414+0.000	746.049	746.184	5.00	1.58	17.43	17.43	0.00	0.00	8607.15	8607.15	6224.68	2382.47
414+10.00 0	745.892	745.969	5.00	1.29	14.38	14.38	0.00	0.00	8621.53	8621.53	6224.68	2396.85
415+0.000	745.736	745.792	5.00	1.03	11.64	11.64	0.00	0.00	8633.17	8633.17	6224.68	2408.49
415+10.00 0	745.580	745.625	5.00	0.86	9.47	9.47	0.00	0.00	8642.64	8642.64	6224.68	2417.95
416+0.000	745.423	745.466	5.00	0.75	8.06	8.06	0.00	0.00	8650.70	8650.70	6224.68	2426.02
416+10.00 0	745.267	745.320	5.00	0.68	7.15	7.15	0.00	0.00	8657.85	8657.85	6224.68	2433.17
417+0.000	745.111	745.148	5.00	0.41	5.45	5.45	0.00	0.00	8663.30	8663.30	6224.68	2438.62
417+10.00 0	744.954	744.960	5.00	0.33	3.66	3.66	0.06	0.32	8666.96	8666.96	6225.00	2441.96
418+0.000	744.798	744.731	5.00	0.50	4.14	4.14	0.10	0.82	8671.10	8671.10	6225.82	2445.28
418+10.00 0	744.641	744.625	5.00	0.67	5.84	5.84	0.06	0.78	8676.94	8676.94	6226.60	2450.34


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419+0.000	744.485	744.601	5.00	0.81	7.48	7.48	0.05	0.50	8684.42	8684.42	6227.11	2457.31
419+10.00 0	744.329	744.330	5.00	0.63	7.21	7.21	0.15	0.96	8691.63	8691.63	6228.07	2463.56
420+0.000	744.172	744.127	5.00	0.48	5.53	5.53	0.25	2.00	8697.16	8697.16	6230.07	2467.09
420+10.00 0	744.016	744.000	5.00	0.35	4.15	4.15	0.28	2.67	8701.31	8701.31	6232.74	2468.57
421+0.000	743.860	743.888	5.00	0.42	3.87	3.87	0.28	2.84	8705.18	8705.18	6235.58	2469.59
421+10.00 0	743.703	743.713	5.00	0.50	4.67	4.67	0.33	3.03	8709.85	8709.85	6238.61	2471.24
422+0.000	743.547	743.445	5.00	0.30	4.01	4.01	0.50	4.13	8713.86	8713.86	6242.74	2471.12
422+10.00 0	743.391	743.274	5.00	0.18	2.39	2.39	0.62	5.61	8716.24	8716.24	6248.35	2467.89
423+0.000	743.233	743.103	5.00	0.07	1.25	1.25	0.80	7.00	8717.49	8717.49	6255.35	2462.14
423+10.00 0	743.043	742.846	5.00	0.00	0.39	0.39	1.09	9.44	8717.88	8717.88	6264.79	2453.08
424+0.000	742.805	742.581	5.00	0.00	0.05	0.05	1.23	11.55	8717.92	8717.92	6276.35	2441.57
424+10.00 0	742.521	742.318	5.00	0.00	0.01	0.01	1.12	11.75	8717.94	8717.94	6288.10	2429.84
425+0.000	742.190	742.087	5.00	0.10	0.50	0.50	0.74	9.30	8718.43	8718.43	6297.40	2421.03
425+10.00 0	741.845	741.791	5.00	0.27	1.82	1.82	0.62	6.79	8720.26	8720.26	6304.19	2416.07
426+0.000	741.500	741.455	5.00	0.27	2.68	2.68	0.63	6.27	8722.93	8722.93	6310.46	2412.47
426+10.00 0	741.155	741.116	5.00	0.32	2.94	2.94	0.50	5.65	8725.88	8725.88	6316.11	2409.77
427+0.000	740.810	740.781	5.00	0.43	3.75	3.75	0.36	4.32	8729.63	8729.63	6320.42	2409.21
427+10.00 0	740.465	740.451	5.00	0.53	4.83	4.83	0.25	3.08	8734.46	8734.46	6323.50	2410.96
428+0.000	740.120	740.156	5.00	0.69	6.13	6.13	0.16	2.08	8740.59	8740.59	6325.58	2415.01
428+10.00 0	739.775	739.847	5.00	0.90	7.98	7.98	0.06	1.11	8748.57	8748.57	6326.69	2421.88
429+0.000	739.430	739.516	5.00	1.07	9.88	9.88	0.00	0.31	8758.45	8758.45	6327.00	2431.45
429+10.00 0	739.085	739.221	5.00	1.45	12.61	12.61	0.00	0.00	8771.06	8771.06	6327.00	2444.07
430+0.000	738.740	738.931	5.00	1.93	16.94	16.94	0.00	0.00	8788.00	8788.00	6327.00	2461.01
430+10.00 0	738.395	738.640	5.00	2.40	21.64	21.64	0.00	0.00	8809.65	8809.65	6327.00	2482.65
431+0.000	738.050	738.228	5.00	2.12	22.53	22.53	0.00	0.00	8832.17	8832.17	6327.00	2505.18
431+10.00 0	737.705	737.770	5.00	1.15	16.35	16.35	0.02	0.10	8848.52	8848.52	6327.10	2521.42
432+0.000	737.332	737.263	5.00	0.65	9.02	9.02	0.70	3.63	8857.54	8857.54	6330.73	2526.82
432+10.00 0	736.878	736.726	5.00	0.45	5.50	5.50	1.27	9.85	8863.05	8863.05	6340.58	2522.47
433+0.000	736.343	736.143	5.00	0.40	4.23	4.23	1.52	13.93	8867.28	8867.28	6354.51	2512.77
433+10.00 0	735.726	735.424	5.00	0.35	3.72	3.72	1.62	15.69	8871.00	8871.00	6370.20	2500.80
434+0.000	735.056	734.713	5.00	0.40	3.67	3.67	1.40	15.19	8874.67	8874.67	6385.39	2489.28
434+10.00 0	734.384	734.008	5.00	0.50	4.47	4.47	1.08	12.43	8879.14	8879.14	6397.82	2481.33
435+0.000	733.769	733.521	5.00	0.29	3.97	3.97	1.07	10.73	8883.11	8883.11	6408.54	2474.57
435+10.00 0	733.315	733.018	5.00	0.06	1.70	1.70	1.25	11.70	8884.81	8884.81	6420.24	2464.57
436+0.000	733.025	732.483	5.00	0.00	0.31	0.31	2.19	17.23	8885.12	8885.12	6437.47	2447.66
436+10.00 0	732.897	732.124	5.00	0.00	0.00	0.00	4.50	33.45	8885.12	8885.12	6470.91	2414.21
437+0.000	732.879	731.825	5.00	0.00	0.00	0.00	7.88	61.94	8885.12	8885.12	6532.85	2352.27
437+10.00 0	732.871	731.608	5.00	0.00	0.00	0.00	10.54	92.14	8885.12	8885.12	6624.99	2260.13
438+0.000	732.872	731.533	5.00	0.00	0.00	0.00	9.80	101.64	8885.12	8885.12	6726.64	2158.49
438+10.00 0	732.883	731.671	5.00	0.00	0.00	0.00	7.65	86.92	8885.12	8885.12	6813.56	2071.56
439+0.000	732.902	731.869	5.00	0.00	0.00	0.00	5.65	66.49	8885.12	8885.12	6880.05	2005.07
439+10.00 0	732.921	732.149	5.00	0.00	0.00	0.00	3.58	46.09	8885.12	8885.12	6926.14	1958.98
440+0.000	732.966	732.477	5.00	0.00	0.00	0.00	1.91	27.32	8885.12	8885.12	6953.47	1931.65
440+10.00 0	733.071	732.927	5.00	0.00	0.00	0.00	0.71	13.08	8885.13	8885.13	6966.55	1918.58
441+0.000	733.236	733.276	5.00	0.47	2.33	2.33	0.00	3.57	8887.46	8887.46	6970.11	1917.34
441+10.00 0	733.462	733.567	5.00	1.21	8.40	8.40	0.00	0.00	8895.85	8895.85	6970.12	1925.74
442+0.000	733.723	733.942	5.00	1.70	14.54	14.54	0.00	0.00	8910.40	8910.40	6970.12	1940.28
442+10.00 0	733.983	734.311	5.00	2.25	19.74	19.74	0.00	0.00	8930.14	8930.14	6970.12	1960.02
443+0.000	734.244	734.674	5.00	2.95	26.00	26.00	0.00	0.00	8956.14	8956.14	6970.12	1986.02
443+10.00 0	734.505	734.913	5.00	3.27	31.13	31.13	0.00	0.00	8987.26	8987.26	6970.12	2017.15
444+0.000	734.766	735.130	5.00	3.03	31.53	31.53	0.00	0.00	9018.79	9018.79	6970.12	2048.67
444+10.00 0	735.026	735.322	5.00	2.54	27.86	27.86	0.00	0.00	9046.66	9046.66	6970.12	2076.54
445+0.000	735.287	735.662	5.00	2.80	26.69	26.69	0.00	0.00	9073.34	9073.34	6970.12	2103.23
445+10.00 0	735.548	736.014	5.00	3.60	31.97	31.97	0.00	0.00	9105.32	9105.32	6970.12	2135.20
446+0.000	735.808	736.298	5.00	4.07	38.35	38.35	0.00	0.00	9143.67	9143.67	6970.12	2173.55
446+10.00 0	736.069	736.663	5.00	4.87	44.69	44.69	0.00	0.00	9188.35	9188.35	6970.12	2218.24
447+0.000	736.330	737.009	5.00	5.15	50.42	50.42	0.00	0.00	9238.78	9238.78	6970.12	2268.66


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447+10.00 0	736.590	737.126	5.00	3.98	45.64	45.64	0.00	0.00	9284.42	9284.42	6970.12	2314.30
448+0.000	736.851	737.288	5.00	3.21	35.89	35.89	0.00	0.00	9320.30	9320.30	6970.12	2350.19
448+10.00 0	737.112	737.486	5.00	2.83	30.26	30.26	0.00	0.00	9350.56	9350.56	6970.12	2380.44
449+0.000	737.372	737.720	5.00	2.68	27.56	27.56	0.00	0.00	9378.12	9378.12	6970.12	2408.00
449+10.00 0	737.633	737.972	5.00	2.67	26.76	26.76	0.00	0.00	9404.88	9404.88	6970.12	2434.76
450+0.000	737.894	738.242	5.00	2.68	26.75	26.75	0.00	0.00	9431.63	9431.63	6970.12	2461.52
450+10.00 0	738.155	738.490	5.00	2.58	26.27	26.27	0.00	0.00	9457.90	9457.90	6970.12	2487.78
451+0.000	738.415	738.735	5.00	2.45	25.15	25.15	0.00	0.00	9483.05	9483.05	6970.12	2512.93
451+10.00 0	738.676	738.975	5.00	2.41	24.33	24.33	0.00	0.00	9507.38	9507.38	6970.12	2537.26
452+0.000	738.937	739.365	5.00	3.62	30.20	30.20	0.00	0.00	9537.58	9537.58	6970.12	2567.47
452+10.00 0	739.197	739.772	5.00	4.52	40.72	40.72	0.00	0.00	9578.30	9578.30	6970.12	2608.18
453+0.000	739.458	740.049	5.00	5.00	47.62	47.62	0.00	0.00	9625.92	9625.92	6970.12	2655.80
453+10.00 0	739.719	740.334	5.00	5.00	50.02	50.02	0.00	0.00	9675.94	9675.94	6970.12	2705.82
454+0.000	739.979	740.619	5.00	4.93	49.64	49.64	0.00	0.00	9725.58	9725.58	6970.12	2755.46
454+10.00 0	740.240	740.777	5.00	4.33	46.30	46.30	0.00	0.00	9771.88	9771.88	6970.12	2801.76
455+0.000	740.501	740.961	5.00	3.86	40.99	40.99	0.00	0.00	9812.87	9812.87	6970.12	2842.75
455+10.00 0	740.762	741.178	5.00	3.50	36.83	36.83	0.00	0.00	9849.70	9849.70	6970.12	2879.58
456+0.000	741.022	741.380	5.00	3.04	32.72	32.72	0.00	0.00	9882.42	9882.42	6970.12	2912.30
456+10.00 0	741.283	741.591	5.00	2.71	28.74	28.74	0.00	0.00	9911.15	9911.15	6970.12	2941.03
457+0.000	741.544	741.817	5.00	2.43	25.67	25.67	0.00	0.00	9936.82	9936.82	6970.12	2966.71
457+10.00 0	741.804	742.044	5.00	2.17	22.97	22.97	0.00	0.00	9959.79	9959.79	6970.12	2989.68
458+0.000	742.065	742.293	5.00	2.21	21.92	21.92	0.00	0.00	9981.72	9981.72	6970.12	3011.60
458+10.00 0	742.326	742.583	5.00	2.37	22.92	22.92	0.00	0.00	10004.64	10004.64	6970.12	3034.52
459+0.000	742.586	742.820	5.00	2.15	22.63	22.63	0.00	0.00	10027.28	10027.28	6970.12	3057.16
459+10.00 0	742.847	743.047	5.00	1.65	19.03	19.03	0.00	0.00	10046.30	10046.30	6970.12	3076.18
460+0.000	743.108	743.274	5.00	1.14	13.96	13.96	0.00	0.00	10060.26	10060.26	6970.12	3090.14
460+10.00 0	743.369	743.506	5.00	0.86	10.02	10.02	0.00	0.00	10070.28	10070.28	6970.12	3100.16
461+0.000	743.629	743.741	5.00	0.67	7.66	7.66	0.00	0.02	10077.94	10077.94	6970.14	3107.80
461+10.00 0	743.890	743.962	5.00	0.46	5.65	5.65	0.04	0.20	10083.59	10083.59	6970.33	3113.25
462+0.000	744.151	744.153	5.00	0.16	3.10	3.10	0.10	0.70	10086.69	10086.69	6971.03	3115.66
462+10.00 0	744.411	744.313	5.00	0.00	0.81	0.81	0.51	3.09	10087.50	10087.50	6974.13	3113.37
463+0.000	744.672	744.484	5.00	0.00	0.00	0.00	1.22	8.67	10087.50	10087.50	6982.80	3104.70
463+10.00 0	744.929	744.591	5.00	0.00	0.00	0.00	2.35	17.80	10087.50	10087.50	7000.60	3086.90
464+0.000	745.148	744.596	5.00	0.00	0.00	0.00	3.80	30.77	10087.50	10087.50	7031.38	3056.12
464+10.00 0	745.320	744.582	5.00	0.00	0.00	0.00	5.07	44.37	10087.50	10087.50	7075.74	3011.76
465+0.000	745.446	744.570	5.00	0.00	0.00	0.00	5.96	55.21	10087.50	10087.50	7130.95	2956.55
465+10.00 0	745.528	744.600	5.00	0.00	0.00	0.00	6.27	61.18	10087.50	10087.50	7192.13	2895.37
466+0.000	745.602	744.668	5.00	0.00	0.00	0.00	6.30	62.91	10087.50	10087.50	7255.03	2832.46
466+10.00 0	745.676	744.763	5.00	0.00	0.00	0.00	6.15	62.32	10087.50	10087.50	7317.36	2770.14
467+0.000	745.749	744.892	5.00	0.00	0.00	0.00	5.78	59.66	10087.50	10087.50	7377.02	2710.48
467+10.00 0	745.823	745.006	5.00	0.00	0.00	0.00	5.47	56.29	10087.50	10087.50	7433.30	2654.19
468+0.000	745.897	745.112	5.00	0.00	0.00	0.00	5.17	53.22	10087.50	10087.50	7486.52	2600.97
468+10.00 0	745.970	745.235	5.00	0.00	0.00	0.00	4.70	49.35	10087.50	10087.50	7535.87	2551.63
469+0.000	746.044	745.382	5.00	0.00	0.00	0.00	4.15	44.27	10087.50	10087.50	7580.14	2507.36
469+10.00 0	746.118	745.547	5.00	0.00	0.00	0.00	3.48	38.16	10087.50	10087.50	7618.30	2469.20
470+0.000	746.192	745.689	5.00	0.00	0.00	0.00	2.91	31.95	10087.50	10087.50	7650.25	2437.25
470+10.00 0	746.265	745.844	5.00	0.00	0.00	0.00	2.32	26.18	10087.50	10087.50	7676.43	2411.07
471+0.000	746.339	746.022	5.00	0.00	0.00	0.00	1.59	19.53	10087.50	10087.50	7695.96	2391.54
471+10.00 0	746.413	746.214	5.00	0.00	0.00	0.00	0.85	12.19	10087.50	10087.50	7708.15	2379.35


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472+0.000	746.486	746.404	5.00	0.05	0.23	0.23	0.20	5.23	10087.72	10087.72	7713.38	2374.34
472+10.000	746.560	746.585	5.00	0.52	2.82	2.82	0.00	0.98	10090.54	10090.54	7714.36	2376.18
473+0.000	746.634	746.770	5.00	1.28	9.01	9.01	0.00	0.00	10099.55	10099.55	7714.36	2385.19
473+10.000	746.708	746.962	5.00	2.17	17.26	17.26	0.00	0.00	10116.82	10116.82	7714.36	2402.46
474+0.000	746.781	747.171	5.00	3.22	26.95	26.95	0.00	0.00	10143.77	10143.77	7714.36	2429.41
474+10.000	746.888	747.374	5.00	4.02	36.18	36.18	0.00	0.00	10179.95	10179.95	7714.36	2465.59
475+0.000	747.060	747.585	5.00	4.42	42.20	42.20	0.00	0.00	10222.15	10222.15	7714.36	2507.79
475+10.000	747.298	747.831	5.00	4.47	44.43	44.43	0.00	0.00	10266.58	10266.58	7714.36	2552.22
476+0.000	747.602	748.038	5.00	3.60	40.36	40.36	0.00	0.00	10306.94	10306.94	7714.36	2592.58
476+10.000	747.939	748.226	5.00	2.44	30.21	30.21	0.00	0.00	10337.15	10337.15	7714.36	2622.79
477+0.000	748.276	748.428	5.00	1.43	19.37	19.37	0.00	0.00	10356.51	10356.51	7714.36	2642.15
477+10.000	748.613	748.630	5.00	0.50	9.67	9.67	0.00	0.00	10366.18	10366.18	7714.36	2651.82
478+0.000	748.950	748.832	5.00	0.03	2.66	2.66	0.35	1.77	10368.84	10368.84	7716.13	2652.71
478+10.000	749.287	749.136	5.00	0.02	0.24	0.24	0.49	4.24	10369.08	10369.08	7720.36	2648.72
479+0.000	749.623	749.438	5.00	0.00	0.09	0.09	0.73	6.12	10369.17	10369.17	7726.48	2642.69
479+10.000	749.960	749.690	5.00	0.00	0.00	0.00	1.28	10.05	10369.17	10369.17	7736.53	2632.64
480+0.000	750.297	749.942	5.00	0.00	0.00	0.00	1.86	15.66	10369.17	10369.17	7752.19	2616.98
480+10.000	750.634	750.197	5.00	0.00	0.00	0.00	2.44	21.49	10369.17	10369.17	7773.68	2595.49
481+0.000	750.971	750.459	5.00	0.00	0.00	0.00	2.99	27.15	10369.17	10369.17	7800.83	2568.34
481+10.000	751.308	750.704	5.00	0.00	0.00	0.00	3.59	32.93	10369.17	10369.17	7833.76	2535.41
482+0.000	751.644	750.962	5.00	0.00	0.00	0.00	4.13	38.63	10369.17	10369.17	7872.38	2496.79
482+10.000	751.981	751.272	5.00	0.00	0.00	0.00	4.48	43.08	10369.17	10369.17	7915.47	2453.70
483+0.000	752.318	751.554	5.00	0.00	0.00	0.00	4.89	46.88	10369.17	10369.17	7962.35	2406.82
483+10.000	752.655	751.836	5.00	0.00	0.00	0.00	5.31	51.02	10369.17	10369.17	8013.37	2355.80
484+0.000	752.992	752.157	5.00	0.00	0.00	0.00	5.53	54.17	10369.17	10369.17	8067.54	2301.63
484+10.000	753.329	752.446	5.00	0.00	0.00	0.00	5.98	57.49	10369.17	10369.17	8125.03	2244.14
485+0.000	753.665	752.719	5.00	0.00	0.00	0.00	6.54	62.70	10369.17	10369.17	8187.73	2181.44
485+10.000	754.002	753.022	5.00	0.00	0.00	0.00	6.87	67.07	10369.17	10369.17	8254.80	2114.37
486+0.000	754.339	753.311	5.00	0.00	0.00	0.00	7.35	71.09	10369.17	10369.17	8325.89	2043.28
486+10.000	754.676	753.588	5.00	0.00	0.00	0.00	7.94	76.45	10369.17	10369.17	8402.35	1966.82
487+0.000	755.013	753.865	5.00	0.00	0.00	0.00	8.58	82.58	10369.17	10369.17	8484.93	1884.24
487+10.000	755.350	754.130	5.00	0.00	0.00	0.00	9.28	89.32	10369.17	10369.17	8574.24	1794.93
488+0.000	755.686	754.379	5.00	0.00	0.00	0.00	10.07	96.78	10369.17	10369.17	8671.02	1698.15
488+10.000	756.023	754.661	5.00	0.00	0.00	0.00	10.69	103.82	10369.17	10369.17	8774.84	1594.33
489+0.000	756.360	754.950	5.00	0.00	0.00	0.00	11.25	109.76	10369.17	10369.17	8884.60	1484.57
489+10.000	756.697	755.246	5.00	0.00	0.00	0.00	11.68	114.61	10369.17	10369.17	8999.22	1369.95
490+0.000	757.034	755.564	5.00	0.00	0.00	0.00	11.84	117.50	10369.17	10369.17	9116.71	1252.46
490+10.000	757.371	755.898	5.00	0.00	0.00	0.00	11.57	116.87	10369.17	10369.17	9233.58	1135.59
491+0.000	757.707	756.256	5.00	0.00	0.00	0.00	11.11	113.40	10369.17	10369.17	9346.98	1022.19
491+10.000	758.044	756.600	5.00	0.00	0.00	0.00	10.69	109.16	10369.17	10369.17	9456.14	913.03
492+0.000	758.381	756.966	5.00	0.00	0.00	0.00	10.16	104.12	10369.17	10369.17	9560.26	808.91
492+10.000	758.718	757.495	5.00	0.00	0.00	0.00	8.80	94.77	10369.17	10369.17	9655.04	714.13
493+0.000	759.055	758.102	5.00	0.00	0.00	0.00	7.03	79.16	10369.17	10369.17	9734.20	634.97
493+10.000	759.392	758.752	5.00	0.00	0.00	0.00	5.06	60.46	10369.17	10369.17	9794.66	574.51
494+0.000	759.728	759.093	5.00	0.00	0.00	0.00	4.37	47.13	10369.17	10369.17	9841.79	527.38


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494+10.00 0	760.065	759.411	5.00	0.00	0.00	0.00	3.84	41.05	10369.17	10369.17	9882.84	486.33
495+0.000	760.402	759.710	5.00	0.00	0.00	0.00	3.57	37.04	10369.17	10369.17	9919.88	449.29
495+10.00 0	760.739	760.077	5.00	0.00	0.00	0.00	3.10	33.47	10369.17	10369.17	9953.35	415.82
496+0.000	761.076	760.560	5.00	0.03	0.14	0.14	2.29	26.96	10369.31	10369.31	9980.30	389.01
496+10.00 0	761.413	761.204	5.00	0.12	0.74	0.74	0.92	16.05	10370.05	10370.05	9996.36	373.69
497+0.000	761.749	761.846	5.00	0.83	4.73	4.73	0.07	4.96	10374.78	10374.78	10001.31	373.47
497+10.00 0	762.086	762.437	5.00	2.37	15.99	15.99	0.00	0.35	10390.77	10390.77	10001.66	389.10
498+0.000	762.423	762.925	5.00	3.71	30.40	30.40	0.00	0.00	10421.17	10421.17	10001.66	419.51
498+10.00 0	762.760	763.242	5.00	4.21	39.59	39.59	0.00	0.00	10460.76	10460.76	10001.66	459.10
499+0.000	763.097	763.609	5.00	4.95	45.71	45.71	0.00	0.00	10506.47	10506.47	10001.66	504.81
499+10.00 0	763.434	764.262	5.00	7.15	60.52	60.52	0.00	0.00	10566.99	10566.99	10001.66	565.33
500+0.000	763.770	764.738	5.00	8.57	78.60	78.60	0.00	0.00	10645.59	10645.59	10001.66	643.93
500+10.00 0	764.107	765.107	5.00	8.76	86.67	86.67	0.00	0.00	10732.27	10732.27	10001.66	730.60
501+0.000	764.444	765.301	5.00	7.33	80.46	80.46	0.00	0.00	10812.73	10812.73	10001.66	811.06
501+10.00 0	764.781	765.528	5.00	6.34	68.37	68.37	0.00	0.00	10881.09	10881.09	10001.66	879.43
502+0.000	765.118	765.774	5.00	5.35	58.45	58.45	0.00	0.00	10939.54	10939.54	10001.66	937.88
502+10.00 0	765.455	765.921	5.00	3.70	45.25	45.25	0.00	0.00	10984.79	10984.79	10001.66	983.13
503+0.000	765.791	766.128	5.00	2.82	32.61	32.61	0.00	0.00	11017.40	11017.40	10001.66	1015.74
503+10.00 0	766.128	766.408	5.00	2.35	25.86	25.86	0.00	0.00	11043.26	11043.26	10001.66	1041.60
504+0.000	766.465	766.642	5.00	1.57	19.61	19.61	0.00	0.00	11062.87	11062.87	10001.66	1061.21
504+10.00 0	766.802	766.890	5.00	0.99	12.80	12.80	0.00	0.00	11075.67	11075.67	10001.66	1074.00
505+0.000	767.139	767.175	5.00	0.66	8.24	8.24	0.00	0.00	11083.90	11083.90	10001.66	1082.24
505+10.00 0	767.476	767.544	5.00	0.95	8.04	8.04	0.00	0.00	11091.94	11091.94	10001.66	1090.28
506+0.000	767.786	767.891	5.00	0.86	9.06	9.06	0.00	0.00	11101.01	11101.01	10001.66	1099.34
506+10.00 0	768.021	768.100	5.00	0.41	6.35	6.35	0.06	0.31	11107.35	11107.35	10001.97	1105.38
507+0.000	768.181	768.187	5.00	0.16	2.85	2.85	0.26	1.59	11110.20	11110.20	10003.57	1106.64
507+10.00 0	768.266	768.236	5.00	0.06	1.12	1.12	0.26	2.58	11111.32	11111.32	10006.15	1105.17
508+0.000	768.301	768.327	5.00	0.23	1.46	1.46	0.07	1.61	11112.78	11112.78	10007.76	1105.02
508+10.00 0	768.336	768.381	5.00	0.38	3.07	3.07	0.00	0.33	11115.85	11115.85	10008.08	1107.77
509+0.000	768.371	768.407	5.00	0.44	4.11	4.11	0.00	0.00	11119.97	11119.97	10008.08	1111.88
509+10.00 0	768.406	768.401	5.00	0.24	3.43	3.43	0.00	0.00	11123.39	11123.39	10008.09	1115.31
510+0.000	768.441	768.414	5.00	0.12	1.80	1.80	0.02	0.08	11125.20	11125.20	10008.17	1117.03
510+10.00 0	768.476	768.443	5.00	0.06	0.89	0.89	0.06	0.35	11126.09	11126.09	10008.52	1117.57
511+0.000	768.511	768.451	5.00	0.02	0.39	0.39	0.17	1.14	11126.48	11126.48	10009.65	1116.83
511+10.00 0	768.546	768.449	5.00	0.16	0.91	0.91	0.18	1.77	11127.39	11127.39	10011.42	1115.97
512+0.000	768.581	768.434	5.00	0.44	3.03	3.03	0.39	2.86	11130.42	11130.42	10014.28	1116.14
512+10.00 0	768.616	768.443	5.00	0.70	5.60	5.60	0.47	4.32	11136.02	11136.02	10018.60	1117.42
513+0.000	768.651	768.467	5.00	0.92	8.06	8.06	0.50	4.84	11144.08	11144.08	10023.44	1120.65
513+10.00 0	768.685	768.515	5.00	1.03	9.76	9.76	0.45	4.73	11153.84	11153.84	10028.17	1125.68
514+0.000	768.720	768.562	5.00	0.92	9.87	9.87	0.42	4.36	11163.72	11163.72	10032.52	1131.19
514+10.00 0	768.755	768.604	5.00	0.75	8.36	8.36	0.39	4.10	11172.07	11172.07	10036.62	1135.46
515+0.000	768.790	768.626	5.00	0.70	7.25	7.25	0.43	4.12	11179.32	11179.32	10040.74	1138.58
515+10.00 0	768.825	768.679	5.00	0.63	6.68	6.68	0.39	4.08	11186.00	11186.00	10044.82	1141.17
516+0.000	768.860	768.751	5.00	0.57	5.90	5.90	0.25	3.18	11191.90	11191.90	10048.01	1143.89
516+10.00 0	768.895	768.850	5.00	0.84	7.03	7.03	0.04	1.45	11198.93	11198.93	10049.45	1149.47


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517+0.000	768.930	768.944	5.00	1.28	10.58	10.58	0.00	0.21	11209.51	11209.51	10049.67	1159.84
517+10.000	768.965	769.036	5.00	1.75	15.12	15.12	0.00	0.00	11224.63	11224.63	10049.67	1174.96
518+0.000	769.000	769.145	5.00	2.29	20.17	20.17	0.00	0.00	11244.80	11244.80	10049.67	1195.13
518+10.000	769.035	769.279	5.00	3.00	26.42	26.42	0.00	0.00	11271.22	11271.22	10049.67	1221.55
519+0.000	769.078	769.453	5.00	3.91	34.56	34.56	0.00	0.00	11305.78	11305.78	10049.67	1256.11
519+10.000	769.185	769.617	5.00	4.49	41.91	41.91	0.00	0.00	11347.69	11347.69	10049.67	1298.02
520+0.000	769.364	769.798	5.00	4.66	45.52	45.52	0.00	0.00	11393.20	11393.20	10049.67	1343.53
520+10.000	769.616	770.029	5.00	4.87	47.65	47.65	0.00	0.00	11440.85	11440.85	10049.67	1391.18
521+0.000	769.931	770.280	5.00	4.75	48.10	48.10	0.00	0.00	11488.95	11488.95	10049.67	1439.29
521+10.000	770.256	770.540	5.00	4.79	48.13	48.13	0.00	0.00	11537.08	11537.08	10049.67	1487.41
522+0.000	770.581	770.799	5.00	4.18	44.82	44.82	0.00	0.00	11581.91	11581.91	10049.67	1532.24
522+10.000	770.906	771.072	5.00	3.41	38.23	38.23	0.00	0.00	11620.14	11620.14	10049.67	1570.47
523+0.000	771.231	771.361	5.00	2.56	29.84	29.84	0.00	0.00	11649.98	11649.98	10049.67	1600.31
523+10.000	771.556	771.677	5.00	2.30	24.11	24.11	0.00	0.00	11674.08	11674.08	10049.67	1624.41
524+0.000	771.882	771.994	5.00	2.14	22.21	22.21	0.00	0.00	11696.29	11696.29	10049.67	1646.62
524+10.000	772.207	772.308	5.00	2.01	20.72	20.72	0.00	0.00	11717.01	11717.01	10049.67	1667.34
525+0.000	772.532	772.660	5.00	2.24	21.07	21.07	0.00	0.00	11738.08	11738.08	10049.67	1688.41
525+10.000	772.857	773.033	5.00	2.62	24.20	24.20	0.00	0.00	11762.28	11762.28	10049.67	1712.61
526+0.000	773.182	773.435	5.00	3.10	28.56	28.56	0.00	0.00	11790.84	11790.84	10049.67	1741.17
526+10.000	773.507	773.796	5.00	3.20	31.50	31.50	0.00	0.00	11822.34	11822.34	10049.67	1772.67
527+0.000	773.832	774.131	5.00	3.02	31.10	31.10	0.00	0.00	11853.44	11853.44	10049.67	1803.77
527+10.000	774.157	774.438	5.00	2.55	27.85	27.85	0.00	0.00	11881.29	11881.29	10049.67	1831.62
528+0.000	774.482	774.746	5.00	2.30	24.25	24.25	0.00	0.00	11905.55	11905.55	10049.67	1855.88
528+10.000	774.807	775.057	5.00	2.19	22.44	22.44	0.00	0.00	11927.99	11927.99	10049.67	1878.32
529+0.000	775.132	775.310	5.00	1.83	20.19	20.19	0.00	0.00	11948.17	11948.17	10049.67	1898.50
529+10.000	775.457	775.568	5.00	1.48	16.49	16.49	0.00	0.00	11964.66	11964.66	10049.67	1914.99
530+0.000	775.782	775.879	5.00	1.41	14.41	14.41	0.00	0.00	11979.07	11979.07	10049.67	1929.40
530+10.000	776.107	776.169	5.00	1.23	13.20	13.20	0.00	0.00	11992.27	11992.27	10049.67	1942.60
531+0.000	776.432	776.467	5.00	1.08	11.50	11.50	0.00	0.00	12003.77	12003.77	10049.67	1954.10
531+10.000	776.758	776.868	5.00	1.33	12.02	12.02	0.00	0.00	12015.79	12015.79	10049.67	1966.12
532+0.000	777.083	777.229	5.00	1.43	13.78	13.78	0.00	0.00	12029.57	12029.57	10049.67	1979.90
532+10.000	777.408	777.559	5.00	1.43	14.31	14.31	0.00	0.00	12043.88	12043.88	10049.67	1994.22
533+0.000	777.733	777.873	5.00	1.38	14.08	14.08	0.00	0.00	12057.97	12057.97	10049.67	2008.30
533+10.000	778.058	778.199	5.00	1.43	14.08	14.08	0.00	0.00	12072.04	12072.04	10049.67	2022.37
534+0.000	778.383	778.542	5.00	1.57	14.99	14.99	0.00	0.00	12087.03	12087.03	10049.67	2037.36
534+10.000	778.708	778.888	5.00	1.73	16.50	16.50	0.00	0.00	12103.53	12103.53	10049.67	2053.86
535+0.000	779.033	779.224	5.00	1.78	17.56	17.56	0.00	0.00	12121.09	12121.09	10049.67	2071.42
535+10.000	779.358	779.533	5.00	1.65	17.14	17.14	0.00	0.00	12138.22	12138.22	10049.67	2088.55
536+0.000	779.683	779.826	5.00	1.40	15.27	15.27	0.00	0.00	12153.50	12153.50	10049.67	2103.83
536+10.000	780.008	780.108	5.00	1.18	12.95	12.95	0.00	0.00	12166.45	12166.45	10049.67	2116.78
537+0.000	780.333	780.372	5.00	0.73	9.52	9.52	0.00	0.00	12175.97	12175.97	10049.67	2126.30
537+10.000	780.639	780.622	5.00	0.08	4.05	4.05	0.19	0.98	12180.03	12180.03	10050.65	2129.38
538+0.000	780.857	780.848	5.00	0.11	0.99	0.99	0.63	4.12	12181.02	12181.02	10054.76	2126.26
538+10.000	780.981	780.879	5.00	0.00	0.57	0.57	0.97	7.97	12181.59	12181.59	10062.73	2118.86
539+0.000	781.013	780.873	5.00	0.00	0.00	0.00	0.94	9.51	12181.59	12181.59	10072.24	2109.35


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539+10.00 0	780.951	780.827	5.00	0.00	0.00	0.00	0.63	7.85	12181.59	12181.59	10080.09	2101.51
540+0.000	780.797	780.701	5.00	0.00	0.00	0.00	0.48	5.56	12181.59	12181.59	10085.65	2095.94
540+10.00 0	780.548	780.512	5.00	0.00	0.00	0.00	0.47	4.77	12181.59	12181.59	10090.42	2091.18
541+0.000	780.207	780.234	5.00	0.06	0.32	0.32	0.31	3.93	12181.91	12181.91	10094.35	2087.56
541+10.00 0	779.773	779.923	5.00	0.51	2.89	2.89	0.03	1.71	12184.80	12184.80	10096.06	2088.74
542+0.000	779.290	779.574	5.00	1.49	10.06	10.06	0.00	0.15	12194.86	12194.86	10096.21	2098.66
542+10.00 0	778.808	779.172	5.00	2.21	18.51	18.51	0.00	0.00	12213.37	12213.37	10096.21	2117.17
543+0.000	778.325	778.719	5.00	2.46	23.34	23.34	0.00	0.00	12236.71	12236.71	10096.21	2140.50
543+10.00 0	777.843	778.261	5.00	2.63	25.43	25.43	0.00	0.00	12262.14	12262.14	10096.21	2165.93
544+0.000	777.360	777.812	5.00	2.83	27.30	27.30	0.00	0.00	12289.44	12289.44	10096.21	2193.24
544+10.00 0	776.878	777.334	5.00	2.78	28.03	28.03	0.00	0.00	12317.47	12317.47	10096.21	2221.27
545+0.000	776.395	776.826	5.00	2.57	26.80	26.80	0.00	0.00	12344.28	12344.28	10096.21	2248.07
545+10.00 0	775.912	776.264	5.00	2.06	23.12	23.12	0.00	0.00	12367.39	12367.39	10096.21	2271.19
546+0.000	775.430	775.694	5.00	1.71	18.79	18.79	0.00	0.00	12386.19	12386.19	10096.21	2289.98
546+10.00 0	774.947	775.143	5.00	1.47	15.86	15.86	0.00	0.00	12402.05	12402.05	10096.21	2305.84
547+0.000	774.465	774.673	5.00	1.58	15.29	15.29	0.00	0.00	12417.34	12417.34	10096.21	2321.13
547+10.00 0	773.982	774.194	5.00	1.59	15.90	15.90	0.00	0.00	12433.24	12433.24	10096.21	2337.03
548+0.000	773.500	773.711	5.00	1.55	15.72	15.72	0.00	0.00	12448.96	12448.96	10096.21	2352.75
548+10.00 0	773.017	773.236	5.00	1.49	15.19	15.19	0.00	0.00	12464.15	12464.15	10096.21	2367.95
549+0.000	772.535	772.706	5.00	1.22	13.52	13.52	0.00	0.00	12477.67	12477.67	10096.21	2381.47
549+10.00 0	772.052	772.146	5.00	0.89	10.51	10.51	0.00	0.00	12488.18	12488.18	10096.21	2391.97
550+0.000	771.570	771.674	5.00	0.85	8.68	8.68	0.00	0.00	12496.86	12496.86	10096.21	2400.65
550+10.00 0	771.087	771.201	5.00	0.81	8.28	8.28	0.00	0.00	12505.14	12505.14	10096.21	2408.93
551+0.000	770.604	770.726	5.00	0.75	7.77	7.77	0.00	0.00	12512.91	12512.91	10096.21	2416.69
551+10.00 0	770.122	770.232	5.00	0.59	6.68	6.68	0.04	0.21	12519.59	12519.59	10096.42	2423.16
552+0.000	769.639	769.689	5.00	0.39	4.84	4.84	0.05	0.48	12524.43	12524.43	10096.91	2427.52
552+10.00 0	769.157	769.097	5.00	0.13	2.58	2.58	0.09	0.70	12527.01	12527.01	10097.60	2429.41
553+0.000	768.674	768.653	5.00	0.22	1.73	1.73	0.03	0.58	12528.74	12528.74	10098.19	2430.55
553+10.00 0	768.192	768.199	5.00	0.29	2.52	2.52	0.00	0.15	12531.26	12531.26	10098.33	2432.93
554+0.000	767.709	767.731	5.00	0.31	2.99	2.99	0.00	0.00	12534.25	12534.25	10098.33	2435.91
554+10.00 0	767.227	767.234	5.00	0.17	2.37	2.37	0.03	0.15	12536.62	12536.62	10098.48	2438.14
555+0.000	766.744	766.734	5.00	0.07	1.19	1.19	0.18	1.05	12537.81	12537.81	10099.53	2438.28
555+10.00 0	766.262	766.234	5.00	0.03	0.51	0.51	0.45	3.16	12538.32	12538.32	10102.69	2435.63
556+0.000	765.779	765.694	5.00	0.00	0.15	0.15	0.92	6.93	12538.47	12538.47	10109.62	2428.85
556+10.00 0	765.297	765.152	5.00	0.00	0.00	0.00	1.40	11.55	12538.47	12538.47	10121.16	2417.31
557+0.000	764.814	764.627	5.00	0.00	0.00	0.00	1.92	16.57	12538.47	12538.47	10137.73	2400.74
557+10.00 0	764.331	764.013	5.00	0.00	0.00	0.00	2.82	23.67	12538.47	12538.47	10161.41	2377.06
558+0.000	763.849	763.391	5.00	0.00	0.00	0.00	3.84	33.45	12538.47	12538.47	10194.86	2343.61
558+10.00 0	763.366	762.838	5.00	0.00	0.00	0.00	4.56	42.04	12538.47	12538.47	10236.90	2301.57
559+0.000	762.884	762.262	5.00	0.00	0.00	0.00	5.48	50.46	12538.47	12538.47	10287.36	2251.12
559+10.00 0	762.401	761.671	5.00	0.00	0.00	0.00	6.34	58.87	12538.47	12538.47	10346.23	2192.24
560+0.000	761.919	761.064	5.00	0.00	0.00	0.00	7.66	69.99	12538.47	12538.47	10416.22	2122.26
560+10.00 0	761.436	760.472	5.00	0.00	0.00	0.00	8.98	83.19	12538.47	12538.47	10499.41	2039.07
561+0.000	760.954	759.895	5.00	0.00	0.00	0.00	10.47	97.23	12538.47	12538.47	10596.64	1941.83
561+10.00 0	760.471	759.354	5.00	0.00	0.00	0.00	11.32	109.73	12538.47	12538.47	10706.37	1832.10


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562+0.000	759.989	758.822	5.00	0.00	0.00	0.00	11.92	116.78	12538.47	12538.47	10823.15	1715.33
562+10.000	759.506	758.300	5.00	0.00	0.00	0.00	12.11	120.13	12538.47	12538.47	10943.28	1595.20
563+0.000	759.023	757.792	5.00	0.00	0.00	0.00	12.61	123.03	12538.47	12538.47	11066.30	1472.17
563+10.000	758.541	757.278	5.00	0.00	0.00	0.00	13.13	129.33	12538.47	12538.47	11195.63	1342.84
564+0.000	758.058	756.747	5.00	0.00	0.00	0.00	13.40	132.69	12538.47	12538.47	11328.32	1210.15
564+10.000	757.576	756.160	5.00	0.00	0.00	0.00	14.51	138.67	12538.47	12538.47	11466.99	1071.48
565+0.000	757.093	755.574	5.00	0.00	0.00	0.00	15.76	151.80	12538.47	12538.47	11618.79	919.68
565+10.000	756.611	755.095	5.00	0.00	0.00	0.00	15.94	158.48	12538.47	12538.47	11777.27	761.20
566+0.000	756.128	754.634	5.00	0.00	0.00	0.00	15.81	159.11	12538.47	12538.47	11936.38	602.09
566+10.000	755.646	754.184	5.00	0.00	0.00	0.00	15.56	157.22	12538.47	12538.47	12093.60	444.87
567+0.000	755.163	753.732	5.00	0.00	0.00	0.00	15.13	153.47	12538.47	12538.47	12247.07	291.40
567+10.000	754.681	753.284	5.00	0.00	0.00	0.00	14.69	149.12	12538.47	12538.47	12396.19	142.28
568+0.000	754.198	752.838	5.00	0.00	0.00	0.00	14.26	144.77	12538.47	12538.47	12540.95	-2.48
568+10.000	753.716	752.325	5.00	0.00	0.00	0.00	14.32	142.91	12538.47	12538.47	12683.86	-145.39
569+0.000	753.233	751.828	5.00	0.00	0.00	0.00	13.93	140.87	12538.47	12538.47	12824.73	-286.26
569+10.000	752.750	751.349	5.00	0.00	0.00	0.00	12.84	133.83	12538.47	12538.47	12958.55	-420.08
570+0.000	752.268	750.901	5.00	0.00	0.00	0.00	11.11	119.87	12538.47	12538.47	13078.42	-539.95
570+10.000	751.785	750.435	5.00	0.00	0.00	0.00	9.87	104.89	12538.47	12538.47	13183.31	-644.84
571+0.000	751.303	749.929	5.00	0.00	0.00	0.00	9.31	95.90	12538.47	12538.47	13279.21	-740.73
571+10.000	750.820	749.425	5.00	0.00	0.00	0.00	9.30	92.82	12538.47	12538.47	13372.03	-833.55
572+0.000	750.338	748.955	5.00	0.00	0.00	0.00	9.12	92.30	12538.47	12538.47	13464.32	-925.85
572+10.000	749.855	748.563	5.00	0.00	0.00	0.00	8.44	87.81	12538.47	12538.47	13552.13	-1013.66
573+0.000	749.373	748.183	5.00	0.00	0.00	0.00	7.78	80.94	12538.47	12538.47	13633.07	-1094.59
573+10.000	748.890	747.807	5.00	0.00	0.00	0.00	7.04	74.12	12538.47	12538.47	13707.18	-1168.71
574+0.000	748.408	747.420	5.00	0.00	0.00	0.00	6.26	66.52	12538.47	12538.47	13773.70	-1235.23
574+10.000	747.925	747.048	5.00	0.00	0.00	0.00	5.41	58.31	12538.47	12538.47	13832.01	-1293.54
575+0.000	747.442	746.690	5.00	0.00	0.00	0.00	4.52	49.77	12538.47	12538.47	13881.78	-1343.31
575+10.000	746.960	746.343	5.00	0.00	0.00	0.00	3.42	39.71	12538.47	12538.47	13921.49	-1383.02
576+0.000	746.477	745.983	5.00	0.00	0.00	0.00	2.48	29.45	12538.47	12538.47	13950.93	-1412.46
576+10.000	745.995	745.607	5.00	0.00	0.00	0.00	1.73	21.02	12538.47	12538.47	13971.95	-1433.48
577+0.000	745.512	745.261	5.00	0.00	0.00	0.00	1.08	13.96	12538.47	12538.47	13985.91	-1447.43
577+10.000	745.030	744.914	5.00	0.04	0.20	0.20	0.35	7.15	12538.67	12538.67	13993.05	-1454.39
578+0.000	744.547	744.560	5.00	0.51	2.74	2.74	0.00	1.74	12541.41	12541.41	13994.79	-1453.38
578+10.000	744.065	744.205	5.00	1.51	10.04	10.04	0.00	0.00	12551.45	12551.45	13994.79	-1443.35
579+0.000	743.582	743.852	5.00	2.63	20.76	20.76	0.00	0.00	12572.21	12572.21	13994.79	-1422.59
579+10.000	743.110	743.508	5.00	3.62	31.25	31.25	0.00	0.00	12603.45	12603.45	13994.79	-1391.34
580+0.000	742.668	743.173	5.00	4.50	40.59	40.59	0.00	0.00	12644.04	12644.04	13994.79	-1350.75
580+10.000	742.258	742.846	5.00	5.21	48.57	48.57	0.00	0.00	12692.61	12692.61	13994.79	-1302.19
581+0.000	741.879	742.499	5.00	5.52	53.68	53.68	0.00	0.00	12746.29	12746.29	13994.79	-1248.50
581+10.000	741.520	742.163	5.00	5.67	55.96	55.96	0.00	0.00	12802.25	12802.25	13994.79	-1192.54
582+0.000	741.162	741.843	5.00	5.96	58.13	58.13	0.00	0.00	12860.38	12860.38	13994.79	-1134.41
582+10.000	740.804	741.479	5.00	6.02	59.91	59.91	0.00	0.00	12920.30	12920.30	13994.79	-1074.50
583+0.000	740.445	741.108	5.00	5.89	59.47	59.47	0.00	0.00	12979.77	12979.77	13994.79	-1015.02
583+10.000	740.087	740.740	5.00	5.83	58.60	58.60	0.00	0.00	13038.37	13038.37	13994.79	-956.43
584+0.000	739.729	740.389	5.00	5.83	58.32	58.32	0.00	0.00	13096.69	13096.69	13994.79	-898.10


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584+10.00 0	739.371	740.045	5.00	5.93	58.74	58.74	0.00	0.00	13155.43	13155.4 3	13994.7 9	-839.36
585+0.000	739.013	739.701	5.00	6.10	60.13	60.13	0.00	0.00	13215.56	13215.5 6	13994.7 9	-779.23
585+10.00 0	738.654	739.378	5.00	6.32	62.14	62.14	0.00	0.00	13277.70	13277.7 0	13994.7 9	-717.09
586+0.000	738.296	739.070	5.00	6.72	65.17	65.17	0.00	0.00	13342.87	13342.8 7	13994.7 9	-651.92
586+10.00 0	737.938	738.680	5.00	6.65	66.85	66.85	0.00	0.00	13409.72	13409.7 2	13994.7 9	-585.07
587+0.000	737.580	738.258	5.00	6.19	64.19	64.19	0.00	0.00	13473.91	13473.9 1	13994.7 9	-520.88
587+10.00 0	737.222	737.800	5.00	5.51	58.48	58.48	0.00	0.00	13532.39	13532.3 9	13994.7 9	-462.40
588+0.000	736.864	737.468	5.00	5.43	54.67	54.67	0.00	0.00	13587.06	13587.0 6	13994.7 9	-407.73
588+10.00 0	736.505	737.150	5.00	5.60	55.06	55.06	0.00	0.00	13642.12	13642.1 2	13994.7 9	-352.68
589+0.000	736.147	736.822	5.00	5.82	57.12	57.12	0.00	0.00	13699.24	13699.2 4	13994.7 9	-295.56
589+10.00 0	735.789	736.458	5.00	5.86	58.43	58.43	0.00	0.00	13757.66	13757.6 6	13994.7 9	-237.13
590+0.000	735.431	736.092	5.00	5.89	58.82	58.82	0.00	0.00	13816.48	13816.4 8	13994.7 9	-178.31
590+10.00 0	735.073	735.746	5.00	5.97	59.28	59.28	0.00	0.00	13875.76	13875.7 6	13994.7 9	-119.03
591+0.000	734.714	735.358	5.00	5.87	59.20	59.20	0.00	0.00	13934.96	13934.9 6	13994.7 9	-59.84
591+10.00 0	734.356	734.944	5.00	5.43	56.51	56.51	0.00	0.00	13991.47	13991.4 7	13994.7 9	-3.33
592+0.000	733.998	734.548	5.00	5.00	52.15	52.15	0.00	0.00	14043.62	14043.6 2	13994.7 9	48.82
592+10.00 0	733.640	734.162	5.00	4.70	48.50	48.50	0.00	0.00	14092.11	14092.1 1	13994.7 9	97.32
593+0.000	733.282	733.788	5.00	4.52	46.12	46.12	0.00	0.00	14138.23	14138.2 3	13994.7 9	143.44
593+10.00 0	732.924	733.350	5.00	3.99	42.58	42.58	0.00	0.00	14180.81	14180.8 1	13994.7 9	186.01
594+0.000	732.565	732.927	5.00	3.26	36.39	36.39	0.00	0.00	14217.20	14217.2 0	13994.7 9	222.40
594+10.00 0	732.207	732.533	5.00	2.83	30.46	30.46	0.00	0.00	14247.66	14247.6 6	13994.7 9	252.86
595+0.000	731.849	732.026	5.00	0.00	14.14	14.14	0.00	0.00	14261.80	14261.8 0	13994.7 9	267.00
595+10.00 0	731.491	731.562	5.00	0.88	4.38	4.38	0.00	0.00	14266.18	14266.1 8	13994.7 9	271.39
596+0.000	731.133	731.238	5.00	0.98	9.29	9.29	0.00	0.00	14275.47	14275.4 7	13994.7 9	280.68
596+10.00 0	730.774	730.895	5.00	1.11	10.44	10.44	0.00	0.00	14285.91	14285.9 1	13994.7 9	291.12
597+0.000	730.416	730.542	5.00	1.14	11.25	11.25	0.00	0.00	14297.16	14297.1 6	13994.7 9	302.37
597+10.00 0	730.058	730.176	5.00	1.11	11.22	11.22	0.00	0.00	14308.38	14308.3 8	13994.7 9	313.58
598+0.000	729.700	729.759	5.00	0.82	9.61	9.61	0.00	0.00	14317.99	14317.9 9	13994.7 9	323.20
598+10.00 0	729.342	729.314	5.00	0.29	5.52	5.52	0.02	0.08	14323.51	14323.5 1	13994.8 7	328.64
599+0.000	728.983	728.838	5.00	0.00	1.44	1.44	0.43	2.24	14324.95	14324.9 5	13997.1 1	327.84
599+10.00 0	728.625	728.390	5.00	0.00	0.01	0.01	1.04	7.38	14324.96	14324.9 6	14004.4 9	320.47
600+0.000	728.267	727.964	5.00	0.00	0.00	0.00	1.52	12.81	14324.96	14324.9 6	14017.3 0	307.66
600+10.00 0	727.909	727.593	5.00	0.00	0.00	0.00	1.69	16.05	14324.96	14324.9 6	14033.3 4	291.62
601+0.000	727.551	727.249	5.00	0.00	0.00	0.00	1.67	16.81	14324.96	14324.9 6	14050.1 6	274.80
601+10.00 0	727.193	726.927	5.00	0.00	0.00	0.00	1.43	15.55	14324.96	14324.9 6	14065.7 0	259.26
602+0.000	726.834	726.536	5.00	0.00	0.00	0.00	1.57	15.04	14324.96	14324.9 6	14080.7 4	244.22
602+10.00 0	726.476	726.159	5.00	0.00	0.00	0.00	1.76	16.63	14324.96	14324.9 6	14097.3 7	227.59
603+0.000	726.118	725.794	5.00	0.00	0.00	0.00	1.81	17.84	14324.96	14324.9 6	14115.2 1	209.75
603+10.00 0	725.760	725.361	5.00	0.00	0.00	0.00	2.19	19.98	14324.96	14324.9 6	14135.2 0	189.77
604+0.000	725.402	724.950	5.00	0.00	0.00	0.00	2.55	23.74	14324.96	14324.9 6	14158.9 4	166.02
604+10.00 0	725.043	724.587	5.00	0.00	0.00	0.00	2.67	26.11	14324.96	14324.9 6	14185.0 5	139.91
605+0.000	724.685	724.219	5.00	0.00	0.00	0.00	2.80	27.44	14324.96	14324.9 6	14212.4 8	112.48
605+10.00 0	724.327	723.848	5.00	0.00	0.00	0.00	2.94	28.77	14324.96	14324.9 6	14241.2 5	83.71
606+0.000	723.969	723.474	5.00	0.00	0.00	0.00	3.00	29.73	14324.96	14324.9 6	14270.9 9	53.98
606+10.00 0	723.611	723.177	5.00	0.00	0.00	0.00	2.33	26.65	14324.96	14324.9 6	14297.6 4	27.32


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607+0.000	723.252	722.933	5.00	0.00	0.00	0.00	1.62	19.82	14324.96	14324.96	14317.46	7.50
607+10.000	722.916	722.664	5.00	0.00	0.00	0.00	1.19	14.06	14324.96	14324.96	14331.52	-6.56
608+0.000	722.664	722.405	5.00	0.00	0.00	0.00	1.21	12.01	14324.96	14324.96	14343.53	-18.57
608+10.000	722.499	722.158	5.00	0.00	0.00	0.00	1.70	14.54	14324.96	14324.96	14358.07	-33.11
609+0.000	722.422	721.944	5.00	0.00	0.00	0.00	2.65	21.70	14324.96	14324.96	14379.77	-54.81
609+10.000	722.409	721.734	5.00	0.00	0.00	0.00	4.15	34.00	14324.96	14324.96	14413.77	-88.81
610+0.000	722.400	721.531	5.00	0.00	0.00	0.00	5.69	49.20	14324.96	14324.96	14462.98	-138.02
610+10.000	722.392	721.386	5.00	0.00	0.00	0.00	6.85	62.69	14324.96	14324.96	14525.67	-200.70
611+0.000	722.383	721.257	5.00	0.00	0.00	0.00	7.95	74.00	14324.96	14324.96	14599.67	-274.71
611+10.000	722.374	721.146	5.00	0.00	0.00	0.00	8.85	84.03	14324.96	14324.96	14683.79	-358.74
612+0.000	722.365	721.093	5.00	0.00	0.00	0.00	9.51	91.27	14324.96	14324.96	14774.97	-450.01
612+10.000	722.357	721.057	5.00	0.00	0.00	0.00	10.15	98.81	14324.96	14324.96	14873.77	-548.81
613+0.000	722.351	720.962	5.00	0.00	0.00	0.00	10.47	103.13	14324.96	14324.96	14976.90	-651.94
613+10.000	722.349	720.956	5.00	0.00	0.00	0.00	10.27	103.21	14324.96	14324.96	15080.11	-755.15
614+0.000	722.351	721.000	5.00	0.00	0.00	0.00	9.98	101.74	14324.96	14324.96	15181.85	-856.89
614+10.000	722.357	721.073	5.00	0.00	0.00	0.00	9.08	95.33	14324.96	14324.96	15277.18	-952.22
615+0.000	722.364	721.173	5.00	0.00	0.00	0.00	8.04	85.51	14324.96	14324.96	15362.69	-1037.73
615+10.000	722.371	721.294	5.00	0.00	0.00	0.00	6.76	73.98	14324.96	14324.96	15436.67	-1111.71
616+0.000	722.379	721.445	5.00	0.00	0.00	0.00	5.54	61.30	14324.96	14324.96	15497.96	-1173.00
616+10.000	722.386	721.591	5.00	0.00	0.00	0.00	4.50	50.27	14324.96	14324.96	15548.23	-1223.27
617+0.000	722.393	721.728	5.00	0.00	0.00	0.00	3.39	39.45	14324.96	14324.96	15587.68	-1262.72
617+10.000	722.400	721.899	5.00	0.00	0.00	0.00	2.23	28.08	14324.96	14324.96	15615.76	-1290.80
618+0.000	722.407	722.061	5.00	0.03	0.15	0.15	1.42	18.24	14325.11	14325.11	15634.00	-1308.90
618+10.000	722.415	722.183	5.00	0.17	0.99	0.99	0.82	11.21	14326.10	14326.10	15645.21	-1319.11
619+0.000	722.422	722.292	5.00	0.40	2.85	2.85	0.38	5.99	14328.95	14328.95	15651.20	-1322.26
619+10.000	722.440	722.395	5.00	0.68	5.41	5.41	0.06	2.20	14334.36	14334.36	15653.40	-1319.04
620+0.000	722.473	722.500	5.00	1.07	8.78	8.78	0.00	0.31	14343.14	14343.14	15653.71	-1310.57
620+10.000	722.521	722.597	5.00	1.41	12.40	12.40	0.00	0.00	14355.53	14355.53	15653.71	-1298.18
621+0.000	722.583	722.692	5.00	1.61	15.11	15.11	0.00	0.00	14370.64	14370.64	15653.71	-1283.07
621+10.000	722.650	722.803	5.00	1.68	16.47	16.47	0.00	0.00	14387.11	14387.11	15653.71	-1266.60
622+0.000	722.717	722.906	5.00	1.74	17.09	17.09	0.00	0.00	14404.20	14404.20	15653.71	-1249.51
622+10.000	722.784	723.002	5.00	1.95	18.42	18.42	0.00	0.00	14422.62	14422.62	15653.71	-1231.09
623+0.000	722.851	723.097	5.00	2.24	20.89	20.89	0.00	0.00	14443.51	14443.51	15653.71	-1210.20
623+10.000	722.918	723.181	5.00	2.42	23.50	23.50	0.00	0.00	14467.01	14467.01	15653.71	-1186.70
624+0.000	722.985	723.252	5.00	2.42	24.21	24.21	0.00	0.00	14491.22	14491.22	15653.71	-1162.49
624+10.000	723.051	723.331	5.00	2.48	24.51	24.51	0.00	0.00	14515.73	14515.73	15653.71	-1137.98
625+0.000	723.118	723.405	5.00	2.51	24.94	24.94	0.00	0.00	14540.67	14540.67	15653.71	-1113.04
625+10.000	723.185	723.469	5.00	2.46	24.82	24.82	0.00	0.00	14565.49	14565.49	15653.71	-1088.22
626+0.000	723.252	723.510	5.00	2.25	23.53	23.53	0.00	0.00	14589.02	14589.02	15653.71	-1064.69
626+10.000	723.319	723.539	5.00	1.88	20.69	20.69	0.00	0.00	14609.71	14609.71	15653.71	-1044.00
627+0.000	723.386	723.550	5.00	1.40	16.37	16.37	0.00	0.00	14626.08	14626.08	15653.71	-1027.63
627+10.000	723.453	723.568	5.00	0.90	11.53	11.53	0.00	0.00	14637.61	14637.61	15653.71	-1016.10
628+0.000	723.520	723.589	5.00	0.54	7.08	7.08	0.03	0.14	14644.69	14644.69	15653.85	-1009.16
628+10.000	723.587	723.579	5.00	0.37	4.53	4.53	0.12	0.73	14649.22	14649.22	15654.59	-1005.37
629+0.000	723.653	723.547	5.00	0.11	2.44	2.44	0.50	3.09	14651.66	14651.66	15657.67	-1006.02


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629+10.00 0	723.720	723.489	5.00	0.01	0.63	0.63	1.16	8.30	14652.29	14652.2 9	15665.9 8	-1013.69
630+0.000	723.787	723.480	5.00	0.00	0.07	0.07	1.73	14.42	14652.35	14652.3 5	15680.4 0	-1028.05
630+10.00 0	723.847	723.434	5.00	0.00	0.00	0.00	2.55	21.33	14652.35	14652.3 5	15701.7 3	-1049.38
631+0.000	723.806	723.319	5.00	0.00	0.00	0.00	3.12	28.38	14652.35	14652.3 5	15730.1 0	-1077.75
631+10.00 0	723.634	723.171	5.00	0.00	0.00	0.00	3.53	33.16	14652.35	14652.3 5	15763.2 6	-1110.91
632+0.000	723.330	723.000	5.00	0.00	0.00	0.00	3.75	36.80	14652.35	14652.3 5	15800.0 6	-1147.71
632+10.00 0	722.901	722.761	5.00	0.00	0.00	0.00	2.02	28.85	14652.35	14652.3 5	15828.9 1	-1176.56
633+0.000	722.442	722.417	5.00	0.00	0.03	0.03	0.27	11.63	14652.38	14652.3 8	15840.5 4	-1188.16
633+10.00 0	721.982	722.000	5.00	0.16	0.85	0.85	0.00	1.35	14653.23	14653.2 3	15841.8 9	-1188.66
634+0.000	721.523	721.593	5.00	0.56	3.62	3.62	0.00	0.00	14656.85	14656.8 5	15841.8 9	-1185.05
634+10.00 0	721.064	721.160	5.00	1.01	7.88	7.88	0.00	0.00	14664.72	14664.7 2	15841.8 9	-1177.17
635+0.000	720.604	720.709	5.00	1.24	11.25	11.25	0.00	0.00	14675.98	14675.9 8	15841.8 9	-1165.92
635+10.00 0	720.145	720.273	5.00	1.32	12.78	12.78	0.00	0.00	14688.76	14688.7 6	15841.8 9	-1153.13
636+0.000	719.686	719.843	5.00	1.50	14.07	14.07	0.00	0.00	14702.83	14702.8 3	15841.8 9	-1139.06
636+10.00 0	719.226	719.419	5.00	1.79	16.45	16.45	0.00	0.00	14719.28	14719.2 8	15841.8 9	-1122.61
637+0.000	718.767	719.050	5.00	2.51	21.38	21.38	0.00	0.00	14740.66	14740.6 6	15841.8 9	-1101.23
637+10.00 0	718.308	718.714	5.00	3.58	30.30	30.30	0.00	0.00	14770.96	14770.9 6	15841.8 9	-1070.93
638+0.000	717.848	718.422	5.00	5.11	43.45	43.45	0.00	0.00	14814.41	14814.4 1	15841.8 9	-1027.49
638+10.00 0	717.389	718.175	5.00	6.83	59.65	59.65	0.00	0.00	14874.06	14874.0 6	15841.8 9	-967.83
639+0.000	716.930	717.885	5.00	7.91	73.65	73.65	0.00	0.00	14947.71	14947.7 1	15841.8 9	-894.18
639+10.00 0	716.470	717.461	5.00	8.26	80.85	80.85	0.00	0.00	15028.56	15028.5 6	15841.8 9	-813.33
640+0.000	716.011	717.035	5.00	8.62	84.36	84.36	0.00	0.00	15112.93	15112.9 3	15841.8 9	-728.97
640+10.00 0	715.552	716.611	5.00	9.04	88.26	88.26	0.00	0.00	15201.18	15201.1 8	15841.8 9	-640.71
641+0.000	715.092	716.195	5.00	9.21	91.21	91.21	0.00	0.00	15292.39	15292.3 9	15841.8 9	-549.50
641+10.00 0	714.633	715.722	5.00	8.70	89.51	89.51	0.00	0.00	15381.90	15381.9 0	15841.8 9	-459.99
642+0.000	714.174	715.206	5.00	8.01	83.31	83.31	0.00	0.00	15465.21	15465.2 1	15841.8 9	-376.69
642+10.00 0	713.714	714.649	5.00	7.69	78.47	78.47	0.00	0.00	15543.67	15543.6 7	15841.8 9	-298.22
643+0.000	713.255	714.171	5.00	7.60	76.24	76.24	0.00	0.00	15619.91	15619.9 1	15841.8 9	-221.98
643+10.00 0	712.796	713.767	5.00	7.52	75.59	75.59	0.00	0.00	15695.51	15695.5 1	15841.8 9	-146.39
644+0.000	712.336	713.225	5.00	7.06	73.19	73.19	0.00	0.00	15768.70	15768.7 0	15841.8 9	-73.20
644+10.00 0	711.877	712.678	5.00	6.53	68.05	68.05	0.00	0.00	15836.75	15836.7 5	15841.8 9	-5.15
645+0.000	711.418	712.134	5.00	5.88	62.04	62.04	0.00	0.00	15898.79	15898.7 9	15841.8 9	56.90
645+10.00 0	710.958	711.610	5.00	5.22	55.48	55.48	0.00	0.00	15954.27	15954.2 7	15841.8 9	112.38
646+0.000	710.499	711.089	5.00	4.62	49.34	49.34	0.00	0.00	16003.61	16003.6 1	15841.8 9	161.71
646+10.00 0	710.040	710.565	5.00	3.98	43.03	43.03	0.00	0.00	16046.64	16046.6 4	15841.8 9	204.75
647+0.000	709.580	709.992	5.00	3.12	35.59	35.59	0.00	0.00	16082.23	16082.2 3	15841.8 9	240.33
647+10.00 0	709.121	709.401	5.00	2.17	26.51	26.51	0.00	0.00	16108.74	16108.7 4	15841.8 9	266.85
648+0.000	708.662	708.800	5.00	1.19	16.82	16.82	0.00	0.00	16125.56	16125.5 6	15841.8 9	283.67
648+10.00 0	708.202	708.214	5.00	0.34	7.69	7.69	0.00	0.00	16133.24	16133.2 4	15841.8 9	291.35
649+0.000	707.743	707.637	5.00	0.00	1.71	1.71	0.35	1.75	16134.95	16134.9 5	15843.6 4	291.31
649+10.00 0	707.284	707.085	5.00	0.00	0.00	0.00	0.98	6.64	16134.95	16134.9 5	15850.2 8	284.67
650+0.000	706.824	706.512	5.00	0.00	0.00	0.00	1.80	13.90	16134.95	16134.9 5	15864.1 8	270.77
650+10.00 0	706.365	705.919	5.00	0.00	0.00	0.00	2.66	22.32	16134.95	16134.9 5	15886.5 0	248.45
651+0.000	705.906	705.363	5.00	0.00	0.00	0.00	3.47	30.64	16134.95	16134.9 5	15917.1 4	217.81
651+10.00 0	705.446	704.782	5.00	0.00	0.00	0.00	4.63	40.49	16134.95	16134.9 5	15957.6 2	177.32


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652+0.000	704.987	704.165	5.00	0.00	0.00	0.00	5.31	49.70	16134.95	16134.95	16007.33	127.62
652+10.000	704.528	703.661	5.00	0.00	0.00	0.00	5.52	54.13	16134.95	16134.95	16061.46	73.49
653+0.000	704.068	703.177	5.00	0.00	0.00	0.00	5.66	55.85	16134.95	16134.95	16117.31	17.64
653+10.000	703.609	702.690	5.00	0.00	0.00	0.00	5.75	57.04	16134.95	16134.95	16174.35	-39.40
654+0.000	703.150	702.240	5.00	0.00	0.00	0.00	5.82	57.83	16134.95	16134.95	16232.18	-97.23
654+10.000	702.690	701.792	5.00	0.00	0.00	0.00	6.03	59.30	16134.95	16134.95	16291.48	-156.53
655+0.000	702.231	701.319	5.00	0.00	0.00	0.00	6.03	60.31	16134.95	16134.95	16351.79	-216.84
655+10.000	701.772	700.868	5.00	0.00	0.00	0.00	5.90	59.60	16134.95	16134.95	16411.39	-276.44
656+0.000	701.312	700.436	5.00	0.00	0.00	0.00	5.68	57.93	16134.95	16134.95	16469.32	-334.37
656+10.000	700.853	700.049	5.00	0.00	0.00	0.00	5.40	55.44	16134.95	16134.95	16524.75	-389.80
657+0.000	700.394	699.622	5.00	0.00	0.00	0.00	5.26	53.10	16134.95	16134.95	16577.86	-442.91
657+10.000	699.934	699.171	5.00	0.00	0.00	0.00	5.23	52.49	16134.95	16134.95	16630.35	-495.40
658+0.000	699.475	698.720	5.00	0.00	0.00	0.00	5.19	52.12	16134.95	16134.95	16682.46	-547.51
658+10.000	699.016	698.268	5.00	0.00	0.00	0.00	5.15	51.70	16134.95	16134.95	16734.17	-599.22
659+0.000	698.556	697.817	5.00	0.00	0.00	0.00	5.15	51.50	16134.95	16134.95	16785.66	-650.71
659+10.000	698.097	697.429	5.00	0.00	0.00	0.00	4.98	50.74	16134.95	16134.95	16836.41	-701.46
660+0.000	697.637	697.023	5.00	0.00	0.00	0.00	4.85	48.95	16134.95	16134.95	16885.35	-750.40
660+10.000	697.178	696.580	5.00	0.00	0.00	0.00	4.78	48.13	16134.95	16134.95	16933.48	-798.53
661+0.000	696.719	696.124	5.00	0.00	0.00	0.00	4.64	47.08	16134.95	16134.95	16980.56	-845.61
661+10.000	696.259	695.602	5.00	0.00	0.00	0.00	4.64	46.38	16134.95	16134.95	17026.94	-891.99
662+0.000	695.800	694.972	5.00	0.00	0.00	0.00	5.25	49.46	16134.95	16134.95	17076.40	-941.45
662+10.000	695.341	694.499	5.00	0.00	0.00	0.00	6.21	57.31	16134.95	16134.95	17133.71	-998.76
663+0.000	694.881	693.965	5.00	0.00	0.00	0.00	6.61	64.09	16134.95	16134.95	17197.80	-1062.85
663+10.000	694.422	693.178	5.00	0.00	0.00	0.00	8.27	74.39	16134.95	16134.95	17272.19	-1137.24
664+0.000	693.963	692.432	5.00	0.00	0.00	0.00	11.01	96.39	16134.95	16134.95	17368.57	-1233.62
664+10.000	693.503	691.767	5.00	0.00	0.00	0.00	13.61	123.12	16134.95	16134.95	17491.69	-1356.74
665+0.000	693.044	691.333	5.00	0.00	0.00	0.00	14.47	140.40	16134.95	16134.95	17632.09	-1497.14
665+10.000	692.585	690.933	5.00	0.00	0.00	0.00	14.63	145.35	16134.95	16134.95	17777.44	-1642.49
666+0.000	692.125	690.545	5.00	0.00	0.00	0.00	13.93	142.69	16134.95	16134.95	17920.14	-1785.19
666+10.000	691.666	690.132	5.00	0.00	0.00	0.00	13.33	136.29	16134.95	16134.95	18056.43	-1921.48
667+0.000	691.207	689.721	5.00	0.00	0.00	0.00	12.73	130.31	16134.95	16134.95	18186.74	-2051.79
667+10.000	690.747	689.308	5.00	0.00	0.00	0.00	12.23	124.76	16134.95	16134.95	18311.50	-2176.55
668+0.000	690.288	688.839	5.00	0.00	0.00	0.00	12.15	121.86	16134.95	16134.95	18433.36	-2298.41
668+10.000	689.829	688.382	5.00	0.00	0.00	0.00	12.02	120.83	16134.95	16134.95	18554.19	-2419.24
669+0.000	689.369	687.939	5.00	0.00	0.00	0.00	11.81	119.17	16134.95	16134.95	18673.36	-2538.41
669+10.000	688.910	687.467	5.00	0.00	0.00	0.00	11.79	118.03	16134.95	16134.95	18791.39	-2656.44
670+0.000	688.451	687.005	5.00	0.00	0.00	0.00	11.79	117.95	16134.95	16134.95	18909.34	-2774.39
670+10.000	687.991	686.559	5.00	0.00	0.00	0.00	11.70	117.47	16134.95	16134.95	19026.81	-2891.86
671+0.000	687.532	686.113	5.00	0.00	0.00	0.00	11.59	116.43	16134.95	16134.95	19143.24	-3008.29
671+10.000	687.073	685.707	5.00	0.00	0.00	0.00	11.23	114.09	16134.95	16134.95	19257.33	-3122.38
672+0.000	686.613	685.384	5.00	0.00	0.00	0.00	10.21	107.16	16134.95	16134.95	19364.49	-3229.54
672+10.000	686.154	684.998	5.00	0.00	0.00	0.00	9.38	97.82	16134.95	16134.95	19462.32	-3327.37
673+0.000	685.695	684.584	5.00	0.00	0.00	0.00	8.73	90.42	16134.95	16134.95	19552.74	-3417.79
673+10.000	685.235	684.159	5.00	0.00	0.00	0.00	8.35	85.44	16134.95	16134.95	19638.18	-3503.23
674+0.000	684.776	683.746	5.00	0.00	0.00	0.00	7.95	81.53	16134.95	16134.95	19719.71	-3584.76


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674+10.00 0	684.317	683.340	5.00	0.00	0.00	0.00	7.78	78.73	16134.95	16134.95	19798.44	-3663.49
675+0.000	683.857	682.866	5.00	0.00	0.00	0.00	7.58	76.85	16134.95	16134.95	19875.29	-3740.34
675+10.00 0	683.398	682.431	5.00	0.00	0.00	0.00	6.87	72.27	16134.95	16134.95	19947.56	-3812.61
676+0.000	682.939	682.038	5.00	0.00	0.00	0.00	5.98	64.27	16134.95	16134.95	20011.83	-3876.88
676+10.00 0	682.479	681.700	5.00	0.00	0.00	0.00	5.21	55.95	16134.95	16134.95	20067.78	-3932.83
677+0.000	682.020	681.332	5.00	0.00	0.00	0.00	4.63	49.17	16134.95	16134.95	20116.95	-3982.00
677+10.00 0	681.561	680.925	5.00	0.00	0.00	0.00	4.07	43.49	16134.95	16134.95	20160.45	-4025.50
678+0.000	681.101	680.564	5.00	0.00	0.00	0.00	3.44	37.54	16134.95	16134.95	20197.98	-4063.03
678+10.00 0	680.642	680.192	5.00	0.00	0.00	0.00	2.83	31.32	16134.95	16134.95	20229.31	-4094.36
679+0.000	680.183	679.780	5.00	0.00	0.00	0.00	2.41	26.19	16134.95	16134.95	20255.50	-4120.55
679+10.00 0	679.723	679.370	5.00	0.00	0.00	0.00	2.04	22.25	16134.95	16134.95	20277.75	-4142.80
680+0.000	679.264	678.963	5.00	0.00	0.00	0.00	1.64	18.37	16134.95	16134.95	20296.12	-4161.17
680+10.00 0	678.805	678.565	5.00	0.00	0.00	0.00	1.24	14.39	16134.95	16134.95	20310.51	-4175.56
681+0.000	678.345	678.174	5.00	0.00	0.00	0.00	0.78	10.09	16134.95	16134.95	20320.60	-4185.65
681+10.00 0	677.886	677.781	5.00	0.00	0.00	0.00	0.77	7.76	16134.95	16134.95	20328.35	-4193.41
682+0.000	677.427	677.361	5.00	0.00	0.00	0.00	0.91	8.38	16134.95	16134.95	20336.73	-4201.78
682+10.00 0	676.967	676.934	5.00	0.02	0.08	0.08	0.78	8.62	16135.02	16135.02	20345.35	-4210.33
683+0.000	676.508	676.494	5.00	0.09	0.51	0.51	0.44	6.22	16135.54	16135.54	20351.58	-4216.04
683+10.00 0	676.049	675.954	5.00	0.03	0.59	0.59	0.41	4.25	16136.13	16136.13	20355.83	-4219.70
684+0.000	675.589	675.414	5.00	0.00	0.17	0.17	0.78	6.05	16136.30	16136.30	20361.88	-4225.59
684+10.00 0	675.130	674.875	5.00	0.00	0.03	0.03	1.30	10.39	16136.33	16136.33	20372.27	-4235.94
685+0.000	674.671	674.499	5.00	0.00	0.00	0.00	0.83	10.62	16136.33	16136.33	20382.89	-4246.56
685+4.814	674.449	674.206	2.41	0.00	0.00	0.00	1.07	4.58	16136.33	16136.33	20387.47	-4251.14


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 Arthur Moreira Torquato
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Relatório de Volumes

SÍTIO PARAISO A SÍTIO TABATANA


Estaca Inicial: 0+0.000

Estaca Final: 117+13.075

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	920.020	920.020	0.00	0.11	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00
0+10.000	920.322	920.228	5.00	0.00	0.59	0.59	0.37	2.45	0.59	0.59	2.45	-1.86
1+0.000	920.624	920.510	5.00	0.00	0.00	0.00	0.44	4.07	0.59	0.59	6.52	-5.93
1+10.000	920.926	920.957	5.00	0.48	2.39	2.39	0.00	2.22	2.98	2.98	8.74	-5.76
2+0.000	921.228	921.394	5.00	1.36	9.18	9.18	0.00	0.00	12.16	12.16	8.74	3.41
2+10.000	921.531	921.809	5.00	2.17	17.64	17.64	0.00	0.00	29.79	29.79	8.74	21.05
3+0.000	921.833	922.223	5.00	2.88	25.23	25.23	0.00	0.00	55.02	55.02	8.74	46.27
3+10.000	922.135	922.563	5.00	3.38	31.30	31.30	0.00	0.00	86.32	86.32	8.74	77.58
4+0.000	922.437	922.856	5.00	4.13	37.60	37.60	0.00	0.00	123.92	123.92	8.74	115.18
4+10.000	922.739	923.248	5.00	5.21	46.57	46.57	0.00	0.00	170.50	170.50	8.74	161.75
5+0.000	923.041	923.951	5.00	7.26	62.31	62.31	0.00	0.00	232.81	232.81	8.74	224.06
5+10.000	923.343	923.776	5.00	4.29	57.76	57.76	0.00	0.00	290.57	290.57	8.74	281.82
6+0.000	923.645	923.982	5.00	2.72	35.10	35.10	0.00	0.00	325.66	325.66	8.74	316.92
6+10.000	923.947	924.255	5.00	2.66	26.82	26.82	0.00	0.00	352.48	352.48	8.74	343.74
7+0.000	924.249	924.464	5.00	1.87	22.60	22.60	0.00	0.00	375.08	375.08	8.74	366.34
7+10.000	924.552	924.580	5.00	0.90	13.84	13.84	0.00	0.00	388.92	388.92	8.74	380.18
8+0.000	924.854	924.794	5.00	0.27	5.89	5.89	0.07	0.37	394.81	394.81	9.11	385.70
8+10.000	925.156	924.959	5.00	0.02	1.46	1.46	0.65	3.63	396.28	396.28	12.75	383.53
9+0.000	925.458	925.183	5.00	0.00	0.10	0.10	1.27	9.63	396.37	396.37	22.38	373.99
9+10.000	925.760	925.436	5.00	0.00	0.00	0.00	2.08	16.80	396.37	396.37	39.18	357.20
10+0.000	926.061	925.560	5.00	0.00	0.00	0.00	3.39	27.35	396.37	396.37	66.53	329.84
10+10.000	926.316	925.680	5.00	0.00	0.00	0.00	4.47	39.31	396.37	396.37	105.84	290.54
11+0.000	926.506	925.786	5.00	0.00	0.00	0.00	5.15	48.09	396.37	396.37	153.92	242.45
11+10.000	926.631	925.877	5.00	0.00	0.00	0.00	5.38	52.58	396.37	396.37	206.51	189.87
12+0.000	926.691	925.944	5.00	0.00	0.00	0.00	5.24	53.06	396.37	396.37	259.56	136.81
12+10.000	926.731	925.987	5.00	0.00	0.00	0.00	5.11	51.75	396.37	396.37	311.31	85.06
13+0.000	926.771	925.979	5.00	0.00	0.00	0.00	5.46	52.89	396.37	396.37	364.20	32.17
13+10.000	926.811	926.130	5.00	0.00	0.00	0.00	4.52	49.92	396.37	396.37	414.13	-17.75
14+0.000	926.851	926.165	5.00	0.00	0.00	0.00	4.56	45.42	396.37	396.37	459.54	-63.17
14+10.000	926.891	926.395	5.00	0.00	0.00	0.00	3.17	38.66	396.37	396.37	498.20	-101.83
15+0.000	926.930	926.486	5.00	0.00	0.00	0.00	2.67	29.15	396.37	396.37	527.35	-130.98
15+10.000	926.970	926.563	5.00	0.00	0.00	0.00	2.39	25.28	396.37	396.37	552.63	-156.26
16+0.000	927.010	926.602	5.00	0.00	0.00	0.00	2.39	23.89	396.37	396.37	576.52	-180.15
16+10.000	927.050	926.641	5.00	0.00	0.00	0.00	2.40	23.95	396.37	396.37	600.48	-204.10
17+0.000	927.090	926.679	5.00	0.00	0.00	0.00	2.42	24.11	396.37	396.37	624.59	-228.22
17+10.000	927.130	926.695	5.00	0.00	0.00	0.00	2.58	25.01	396.37	396.37	649.60	-253.22
18+0.000	927.170	926.776	5.00	0.00	0.00	0.00	2.31	24.42	396.37	396.37	674.01	-277.64
18+10.000	927.214	926.927	5.00	0.00	0.00	0.00	1.56	19.32	396.37	396.37	693.33	-296.96
19+0.000	927.267	926.943	5.00	0.00	0.00	0.00	1.79	16.72	396.37	396.37	710.06	-313.69
19+10.000	927.328	926.980	5.00	0.00	0.00	0.00	1.97	18.76	396.37	396.37	728.82	-332.45
20+0.000	927.397	927.054	5.00	0.00	0.00	0.00	1.93	19.47	396.37	396.37	748.29	-351.92
20+10.000	927.474	927.156	5.00	0.00	0.00	0.00	1.74	18.34	396.37	396.37	766.64	-370.26
21+0.000	927.558	927.279	5.00	0.00	0.00	0.00	1.48	16.09	396.37	396.37	782.72	-386.35
21+10.000	927.651	927.403	5.00	0.00	0.00	0.00	1.27	13.73	396.37	396.37	796.45	-400.08
22+0.000	927.752	927.528	5.00	0.00	0.00	0.00	1.10	11.84	396.37	396.37	808.29	-411.92
22+10.000	927.860	927.659	5.00	0.00	0.00	0.00	0.96	10.32	396.37	396.37	818.61	-422.24
23+0.000	927.977	927.790	5.00	0.00	0.00	0.00	0.87	9.18	396.37	396.37	827.79	-431.42
23+10.000	928.102	927.921	5.00	0.00	0.00	0.00	0.83	8.51	396.37	396.37	836.30	-439.92
24+0.000	928.234	928.052	5.00	0.00	0.00	0.00	0.84	8.35	396.37	396.37	844.65	-448.28
24+10.000	928.375	928.170	5.00	0.00	0.00	0.00	0.94	8.88	396.37	396.37	853.53	-457.16
25+0.000	928.524	928.360	5.00	0.00	0.00	0.00	0.62	7.76	396.37	396.37	861.29	-464.92
25+10.000	928.680	928.787	5.00	1.12	5.60	5.60	0.00	3.08	401.97	401.97	864.38	-462.41
26+0.000	928.845	929.158	5.00	2.54	18.31	18.31	0.00	0.00	420.28	420.28	864.38	-444.10
26+10.000	929.017	929.479	5.00	3.66	31.00	31.00	0.00	0.00	451.28	451.28	864.38	-413.10
27+0.000	929.198	929.800	5.00	4.84	42.50	42.50	0.00	0.00	493.78	493.78	864.38	-370.59
27+10.000	929.386	930.121	5.00	6.04	54.39	54.39	0.00	0.00	548.17	548.17	864.38	-316.20
28+0.000	929.583	930.442	5.00	7.22	66.30	66.30	0.00	0.00	614.48	614.48	864.38	-249.90
28+10.000	929.787	930.763	5.00	8.39	78.08	78.08	0.00	0.00	692.56	692.56	864.38	-171.82
29+0.000	930.000	930.964	5.00	7.90	81.45	81.45	0.00	0.00	774.01	774.01	864.38	-90.37
29+10.000	930.220	930.741	5.00	4.86	63.85	63.85	0.00	0.00	837.85	837.85	864.38	-26.52


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105+10.00 0	953.910	954.565	5.00	5.60	57.49	57.49	0.00	0.00	3376.53	3376.53	4031.33	-654.80
106+0.000	954.555	955.185	5.00	4.34	49.73	49.73	0.00	0.00	3426.26	3426.26	4031.33	-605.07
106+10.00 0	955.200	955.763	5.00	3.80	40.66	40.66	0.00	0.00	3466.91	3466.91	4031.33	-564.41
107+0.000	955.844	956.357	5.00	3.61	37.10	37.10	0.00	0.00	3504.02	3504.02	4031.33	-527.31
107+10.00 0	956.489	956.959	5.00	3.08	33.43	33.43	0.00	0.00	3537.45	3537.45	4031.33	-493.88
108+0.000	957.134	957.314	5.00	1.01	20.57	20.57	0.00	0.00	3558.02	3558.02	4031.33	-473.31
108+10.00 0	957.739	957.652	5.00	0.00	5.07	5.07	0.75	3.75	3563.08	3563.08	4035.08	-471.99
109+0.000	958.205	957.989	5.00	0.00	0.00	0.00	1.64	11.92	3563.08	3563.08	4047.00	-483.92
109+10.00 0	958.529	958.197	5.00	0.00	0.00	0.00	2.22	19.34	3563.08	3563.08	4066.34	-503.25
110+0.000	958.710	958.290	5.00	0.00	0.00	0.00	2.52	23.71	3563.08	3563.08	4090.05	-526.96
110+10.00 0	958.788	958.383	5.00	0.00	0.00	0.00	2.37	24.44	3563.08	3563.08	4114.49	-551.40
111+0.000	958.861	958.476	5.00	0.00	0.00	0.00	2.22	22.93	3563.08	3563.08	4137.42	-574.33
111+10.00 0	958.934	958.569	5.00	0.00	0.00	0.00	2.08	21.50	3563.08	3563.08	4158.92	-595.83
112+0.000	959.007	958.656	5.00	0.00	0.00	0.00	1.98	20.28	3563.08	3563.08	4179.19	-616.11
112+10.00 0	959.080	958.718	5.00	0.00	0.00	0.00	2.06	20.17	3563.08	3563.08	4199.36	-636.28
113+0.000	959.154	958.780	5.00	0.00	0.00	0.00	2.14	20.98	3563.08	3563.08	4220.35	-657.26
113+10.00 0	959.227	958.841	5.00	0.00	0.00	0.00	2.22	21.80	3563.08	3563.08	4242.15	-679.07
114+0.000	959.300	958.903	5.00	0.00	0.00	0.00	2.30	22.61	3563.08	3563.08	4264.76	-701.67
114+10.00 0	959.373	958.965	5.00	0.00	0.00	0.00	2.32	23.12	3563.08	3563.08	4287.88	-724.79
115+0.000	959.446	959.028	5.00	0.00	0.00	0.00	2.28	23.03	3563.08	3563.08	4310.90	-747.82
115+10.00 0	959.520	959.100	5.00	0.00	0.00	0.00	2.30	22.91	3563.08	3563.08	4333.81	-770.73
116+0.000	959.593	959.227	5.00	0.00	0.00	0.00	2.15	22.27	3563.08	3563.08	4356.08	-793.00
116+10.00 0	959.666	959.401	5.00	0.00	0.00	0.00	1.42	17.88	3563.08	3563.08	4373.96	-810.88
117+0.000	959.739	959.790	5.00	0.16	0.82	0.82	0.14	7.80	3563.90	3563.90	4381.76	-817.86
117+10.00 0	959.812	959.767	5.00	0.12	1.44	1.44	0.07	1.01	3565.34	3565.34	4382.77	-817.43
117+13.07 5	959.835	959.835	1.54	0.45	0.88	0.88	0.00	0.11	3566.23	3566.23	4382.88	-816.65


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Relatório de Volumes

TRECHO PIQUE MAGRO

Estaca Inicial: 0+0.000

Estaca Final: 194


Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	763.264	763.264	0.00	0.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	763.558	763.518	5.00	0.06	1.74	1.74	0.09	0.42	1.74	1.74	0.42	1.32
1+0.000	763.853	763.737	5.00	0.00	0.31	0.31	0.44	2.63	2.05	2.05	3.05	-1.00
1+10.000	764.147	763.965	5.00	0.00	0.00	0.00	0.87	6.54	2.05	2.05	9.60	-7.55
2+0.000	764.441	764.199	5.00	0.00	0.00	0.00	1.28	10.76	2.05	2.05	20.36	-18.31
2+10.000	764.735	764.440	5.00	0.00	0.00	0.00	1.64	14.60	2.05	2.05	34.96	-32.91
3+0.000	765.030	764.682	5.00	0.00	0.00	0.00	1.98	18.06	2.05	2.05	53.03	-50.97
3+10.000	765.324	764.926	5.00	0.00	0.00	0.00	2.05	20.12	2.05	2.05	73.14	-71.09
4+0.000	765.618	765.266	5.00	0.00	0.00	0.00	1.88	19.63	2.05	2.05	92.78	-90.73
4+10.000	765.913	765.528	5.00	0.00	0.00	0.00	2.36	21.21	2.05	2.05	113.99	-111.94
5+0.000	766.207	765.655	5.00	0.00	0.00	0.00	2.81	25.93	2.05	2.05	139.92	-137.86
5+10.000	766.501	765.920	5.00	0.00	0.00	0.00	3.00	29.13	2.05	2.05	169.05	-167.00
6+0.000	766.796	766.240	5.00	0.00	0.00	0.00	3.02	30.13	2.05	2.05	199.18	-197.13
6+10.000	767.090	766.565	5.00	0.00	0.00	0.00	3.13	30.76	2.05	2.05	229.94	-227.89
7+0.000	767.384	766.783	5.00	0.00	0.00	0.00	3.68	34.06	2.05	2.05	264.01	-261.95
7+10.000	767.678	766.963	5.00	0.00	0.00	0.00	4.51	41.02	2.05	2.05	305.02	-302.97
8+0.000	767.973	767.162	5.00	0.00	0.00	0.00	5.26	48.85	2.05	2.05	353.87	-351.82
8+10.000	768.267	767.371	5.00	0.00	0.00	0.00	6.08	56.57	2.05	2.05	410.44	-408.38
9+0.000	768.561	767.587	5.00	0.00	0.00	0.00	6.79	64.30	2.05	2.05	474.73	-472.68
9+10.000	768.856	767.810	5.00	0.00	0.00	0.00	7.37	70.78	2.05	2.05	545.51	-543.46
10+0.000	769.150	768.077	5.00	0.00	0.00	0.00	7.63	74.91	2.05	2.05	620.42	-618.37
10+10.000	769.444	768.384	5.00	0.00	0.00	0.00	7.45	75.45	2.05	2.05	695.88	-693.82
11+0.000	769.738	768.706	5.00	0.00	0.00	0.00	7.16	73.10	2.05	2.05	768.98	-766.93
11+10.000	770.033	769.034	5.00	0.00	0.00	0.00	6.82	69.91	2.05	2.05	838.89	-836.84
12+0.000	770.327	769.368	5.00	0.00	0.00	0.00	6.36	65.90	2.05	2.05	904.79	-902.74
12+10.000	770.621	769.743	5.00	0.00	0.00	0.00	5.69	60.25	2.05	2.05	965.04	-962.98
13+0.000	770.916	770.116	5.00	0.00	0.00	0.00	4.90	52.97	2.05	2.05	1018.01	-1015.95
13+10.000	771.210	770.485	5.00	0.00	0.00	0.00	4.18	45.43	2.05	2.05	1063.43	-1061.38
14+0.000	771.504	770.957	5.00	0.00	0.00	0.00	3.25	37.16	2.05	2.05	1100.59	-1098.54
14+10.000	771.799	771.450	5.00	0.00	0.00	0.00	2.00	26.28	2.05	2.05	1126.87	-1124.82
15+0.000	772.093	771.956	5.00	0.00	0.00	0.00	0.54	12.72	2.05	2.05	1139.60	-1137.54
15+10.000	772.387	772.535	5.00	1.08	5.40	5.40	0.00	2.70	7.45	7.45	1142.29	-1134.84
16+0.000	772.681	773.140	5.00	2.99	20.31	20.31	0.00	0.00	27.76	27.76	1142.29	-1114.53
16+10.000	772.976	773.748	5.00	4.70	38.44	38.44	0.00	0.00	66.21	66.21	1142.29	-1076.09
17+0.000	773.270	774.397	5.00	7.25	59.76	59.76	0.00	0.00	125.96	125.96	1142.29	-1016.33
17+10.000	773.564	775.061	5.00	10.19	87.15	87.15	0.00	0.00	213.11	213.11	1142.29	-929.19
18+0.000	773.859	775.328	5.00	12.64	114.13	114.13	0.00	0.00	327.24	327.24	1142.29	-815.05
18+10.000	774.153	775.623	5.00	13.00	128.24	128.24	0.00	0.00	455.48	455.48	1142.29	-686.82
19+0.000	774.447	775.946	5.00	12.73	128.71	128.71	0.00	0.00	584.19	584.19	1142.29	-558.11
19+10.000	774.741	776.269	5.00	12.23	125.09	125.09	0.00	0.00	709.27	709.27	1142.29	-433.02
20+0.000	775.036	776.431	5.00	10.84	116.24	116.24	0.00	0.00	825.52	825.52	1142.29	-316.78
20+10.000	775.330	776.343	5.00	7.65	92.71	92.71	0.00	0.00	918.23	918.23	1142.29	-224.07
21+0.000	775.624	776.252	5.00	4.56	61.24	61.24	0.00	0.00	979.47	979.47	1142.29	-162.83
21+10.000	775.919	776.216	5.00	2.46	35.07	35.07	0.00	0.00	1014.54	1014.54	1142.29	-127.76
22+0.000	776.227	776.357	5.00	1.23	18.45	18.45	0.00	0.00	1032.99	1032.99	1142.29	-109.31
22+10.000	776.560	776.474	5.00	0.08	6.57	6.57	0.16	0.81	1039.55	1039.55	1143.10	-103.55
23+0.000	776.920	776.610	5.00	0.00	0.41	0.41	1.43	7.99	1039.96	1039.96	1151.09	-111.13
23+10.000	777.305	776.829	5.00	0.00	0.00	0.00	2.70	20.67	1039.96	1039.96	1171.76	-131.80
24+0.000	777.703	777.037	5.00	0.00	0.00	0.00	4.27	34.85	1039.96	1039.96	1206.61	-166.65
24+10.000	778.100	777.256	5.00	0.00	0.00	0.00	5.62	49.43	1039.96	1039.96	1256.04	-216.07
25+0.000	778.498	777.604	5.00	0.00	0.00	0.00	6.08	58.50	1039.96	1039.96	1314.54	-274.57
25+10.000	778.895	777.939	5.00	0.00	0.00	0.00	6.71	63.96	1039.96	1039.96	1378.49	-338.53
26+0.000	779.293	778.264	5.00	0.00	0.00	0.00	7.14	69.23	1039.96	1039.96	1447.73	-407.77
26+10.000	779.690	778.624	5.00	0.00	0.00	0.00	7.21	71.71	1039.96	1039.96	1519.44	-479.48


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103+0.000	837.702	838.782	5.00	8.87	90.99	90.99	0.00	0.00	5534.92	5534.92	3385.46	2149.46
103+10.00 0	838.167	839.171	5.00	8.31	85.94	85.94	0.00	0.00	5620.86	5620.86	3385.46	2235.40
104+0.000	838.631	839.612	5.00	8.18	82.36	82.36	0.00	0.00	5703.22	5703.22	3385.46	2317.76
104+10.00 0	839.096	840.114	5.00	8.42	82.98	82.98	0.00	0.00	5786.20	5786.20	3385.46	2400.74
105+0.000	839.561	840.565	5.00	8.26	83.56	83.56	0.00	0.00	5869.76	5869.76	3385.46	2484.30
105+10.00 0	840.026	841.001	5.00	8.00	81.29	81.29	0.00	0.00	5951.05	5951.05	3385.46	2565.59
106+0.000	840.491	841.417	5.00	7.63	78.13	78.13	0.00	0.00	6029.18	6029.18	3385.46	2643.73
106+10.00 0	840.956	841.876	5.00	7.54	75.77	75.77	0.00	0.00	6104.96	6104.96	3385.46	2719.50
107+0.000	841.420	842.332	5.00	7.39	74.70	74.70	0.00	0.00	6179.66	6179.66	3385.46	2794.20
107+10.00 0	841.885	842.762	5.00	7.08	72.38	72.38	0.00	0.00	6252.04	6252.04	3385.46	2866.58
108+0.000	842.350	843.193	5.00	6.78	69.30	69.30	0.00	0.00	6321.34	6321.34	3385.46	2935.88
108+10.00 0	842.815	843.630	5.00	6.53	66.46	66.46	0.00	0.00	6387.80	6387.80	3385.46	3002.34
109+0.000	843.280	844.079	5.00	6.39	64.63	64.63	0.00	0.00	6452.43	6452.43	3385.46	3066.97
109+10.00 0	843.745	844.544	5.00	6.40	63.89	63.89	0.00	0.00	6516.31	6516.31	3385.46	3130.86
110+0.000	844.209	845.005	5.00	6.43	64.18	64.18	0.00	0.00	6580.50	6580.50	3385.46	3195.04
110+10.00 0	844.674	845.426	5.00	6.21	63.23	63.23	0.00	0.00	6643.73	6643.73	3385.46	3258.27
111+0.000	845.139	845.889	5.00	6.10	61.57	61.57	0.00	0.00	6705.30	6705.30	3385.46	3319.84
111+10.00 0	845.604	846.380	5.00	6.12	61.09	61.09	0.00	0.00	6766.39	6766.39	3385.46	3380.93
112+0.000	846.069	846.901	5.00	6.37	62.46	62.46	0.00	0.00	6828.85	6828.85	3385.46	3443.39
112+10.00 0	846.533	847.365	5.00	6.33	63.82	63.82	0.00	0.00	6892.67	6892.67	3385.46	3507.21
113+0.000	846.998	847.765	5.00	5.90	61.10	61.10	0.00	0.00	6953.77	6953.77	3385.46	3568.31
113+10.00 0	847.463	848.130	5.00	5.11	55.00	55.00	0.00	0.00	7008.77	7008.77	3385.46	3623.32
114+0.000	847.928	848.504	5.00	4.46	47.84	47.84	0.00	0.00	7056.62	7056.62	3385.46	3671.16
114+10.00 0	848.393	848.890	5.00	3.98	42.18	42.18	0.00	0.00	7098.80	7098.80	3385.46	3713.34
115+0.000	848.858	849.346	5.00	3.85	39.14	39.14	0.00	0.00	7137.94	7137.94	3385.46	3752.48
115+10.00 0	849.322	849.793	5.00	3.72	37.84	37.84	0.00	0.00	7175.78	7175.78	3385.46	3790.32
116+0.000	849.787	850.185	5.00	3.31	35.15	35.15	0.00	0.00	7210.93	7210.93	3385.46	3825.47
116+10.00 0	850.252	850.605	5.00	2.97	31.41	31.41	0.00	0.00	7242.34	7242.34	3385.46	3856.88
117+0.000	850.717	851.034	5.00	2.66	28.15	28.15	0.00	0.00	7270.49	7270.49	3385.46	3885.04
117+10.00 0	851.182	851.463	5.00	2.36	25.10	25.10	0.00	0.00	7295.59	7295.59	3385.46	3910.14
118+0.000	851.647	851.892	5.00	2.07	22.16	22.16	0.00	0.00	7317.75	7317.75	3385.46	3932.29
118+10.00 0	852.111	852.321	5.00	1.81	19.46	19.46	0.00	0.00	7337.21	7337.21	3385.46	3951.75
119+0.000	852.576	852.746	5.00	1.55	16.80	16.80	0.00	0.00	7354.01	7354.01	3385.46	3968.55
119+10.00 0	852.980	853.177	5.00	1.60	15.77	15.77	0.00	0.00	7369.78	7369.78	3385.46	3984.32
120+0.000	853.384	853.612	5.00	1.81	17.08	17.08	0.00	0.00	7386.86	7386.86	3385.46	4001.40
120+10.00 0	853.787	854.046	5.00	1.89	18.54	18.54	0.00	0.00	7405.40	7405.40	3385.46	4019.94
121+0.000	854.191	854.439	5.00	1.66	17.72	17.72	0.00	0.00	7423.12	7423.12	3385.46	4037.66
121+10.00 0	854.595	854.798	5.00	1.37	15.14	15.14	0.00	0.00	7438.26	7438.26	3385.46	4052.80
122+0.000	854.998	855.221	5.00	1.46	14.15	14.15	0.00	0.00	7452.41	7452.41	3385.46	4066.95
122+10.00 0	855.402	855.651	5.00	1.63	15.49	15.49	0.00	0.00	7467.90	7467.90	3385.46	4082.44
123+0.000	855.806	856.089	5.00	1.87	17.53	17.53	0.00	0.00	7485.43	7485.43	3385.46	4099.97
123+10.00 0	856.209	856.523	5.00	2.10	19.85	19.85	0.00	0.00	7505.28	7505.28	3385.46	4119.83
124+0.000	856.613	856.978	5.00	2.41	22.55	22.55	0.00	0.00	7527.83	7527.83	3385.46	4142.38
124+10.00 0	857.017	857.470	5.00	3.07	27.42	27.42	0.00	0.00	7555.25	7555.25	3385.46	4169.79
125+0.000	857.420	857.908	5.00	3.51	32.86	32.86	0.00	0.00	7588.12	7588.12	3385.46	4202.66
125+10.00 0	857.824	858.320	5.00	3.68	35.98	35.98	0.00	0.00	7624.10	7624.10	3385.46	4238.64
126+0.000	858.228	858.692	5.00	3.57	36.20	36.20	0.00	0.00	7660.30	7660.30	3385.46	4274.84
126+10.00 0	858.632	859.130	5.00	3.76	36.61	36.61	0.00	0.00	7696.91	7696.91	3385.46	4311.46
127+0.000	859.035	859.582	5.00	4.03	38.95	38.95	0.00	0.00	7735.87	7735.87	3385.46	4350.41
127+10.00 0	859.439	860.014	5.00	4.16	40.95	40.95	0.00	0.00	7776.82	7776.82	3385.46	4391.36
128+0.000	859.843	860.445	5.00	4.32	42.41	42.41	0.00	0.00	7819.22	7819.22	3385.46	4433.76
128+10.00 0	860.246	860.876	5.00	4.55	44.31	44.31	0.00	0.00	7863.53	7863.53	3385.46	4478.07
129+0.000	860.650	861.320	5.00	4.90	47.22	47.22	0.00	0.00	7910.75	7910.75	3385.46	4525.29
129+10.00 0	861.054	861.730	5.00	5.04	49.68	49.68	0.00	0.00	7960.43	7960.43	3385.46	4574.97
130+0.000	861.457	862.102	5.00	4.77	49.08	49.08	0.00	0.00	8009.51	8009.51	3385.46	4624.06
130+10.00 0	861.861	862.501	5.00	4.75	47.55	47.55	0.00	0.00	8057.06	8057.06	3385.46	4671.61
131+0.000	862.265	862.902	5.00	4.73	47.41	47.41	0.00	0.00	8104.47	8104.47	3385.46	4719.02


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131+10.00 0	862.668	863.303	5.00	4.73	47.31	47.31	0.00	0.00	8151.78	8151.78	3385.46	4766.32
132+0.000	863.072	863.712	5.00	4.75	47.38	47.38	0.00	0.00	8199.16	8199.16	3385.46	4813.70
132+10.00 0	863.476	864.102	5.00	4.64	47.02	47.02	0.00	0.00	8246.17	8246.17	3385.46	4860.72
133+0.000	863.879	864.471	5.00	4.35	44.99	44.99	0.00	0.00	8291.16	8291.16	3385.46	4905.70
133+10.00 0	864.283	864.825	5.00	3.89	41.27	41.27	0.00	0.00	8332.43	8332.43	3385.46	4946.97
134+0.000	864.687	865.166	5.00	3.34	36.12	36.12	0.00	0.00	8368.55	8368.55	3385.46	4983.09
134+10.00 0	865.091	865.485	5.00	2.77	30.54	30.54	0.00	0.00	8399.09	8399.09	3385.46	5013.63
135+0.000	865.494	865.790	5.00	2.40	25.82	25.82	0.00	0.00	8424.91	8424.91	3385.46	5039.45
135+10.00 0	865.898	866.083	5.00	1.75	20.81	20.81	0.00	0.00	8445.72	8445.72	3385.46	5060.26
136+0.000	866.302	866.346	5.00	0.73	12.42	12.42	0.00	0.00	8458.14	8458.14	3385.46	5072.68
136+10.00 0	866.705	866.588	5.00	0.06	3.97	3.97	0.35	1.75	8462.11	8462.11	3387.21	5074.90
137+0.000	867.109	866.818	5.00	0.00	0.31	0.31	1.38	8.67	8462.42	8462.42	3395.88	5066.54
137+10.00 0	867.513	867.054	5.00	0.00	0.00	0.00	2.55	19.66	8462.42	8462.42	3415.54	5046.88
138+0.000	867.916	867.312	5.00	0.00	0.00	0.00	3.69	31.28	8462.42	8462.42	3446.82	5015.60
138+10.00 0	868.320	867.590	5.00	0.00	0.00	0.00	4.74	42.20	8462.42	8462.42	3489.02	4973.40
139+0.000	868.724	867.886	5.00	0.00	0.00	0.00	5.72	52.38	8462.42	8462.42	3541.40	4921.02
139+10.00 0	869.127	868.173	5.00	0.00	0.00	0.00	6.80	62.69	8462.42	8462.42	3604.09	4858.33
140+0.000	869.531	868.443	5.00	0.00	0.00	0.00	7.98	73.88	8462.42	8462.42	3677.96	4784.45
140+10.00 0	869.935	868.716	5.00	0.00	0.00	0.00	8.98	85.00	8462.42	8462.42	3762.96	4699.46
141+0.000	870.338	869.028	5.00	0.00	0.00	0.00	9.96	94.93	8462.42	8462.42	3857.90	4604.52
141+10.00 0	870.742	869.516	5.00	0.00	0.00	0.00	9.26	96.10	8462.42	8462.42	3953.99	4508.42
142+0.000	871.146	869.996	5.00	0.00	0.00	0.00	8.56	89.10	8462.42	8462.42	4043.09	4419.32
142+10.00 0	871.549	870.471	5.00	0.00	0.00	0.00	7.83	81.83	8462.42	8462.42	4124.92	4337.49
143+0.000	871.953	870.948	5.00	0.00	0.00	0.00	7.21	75.18	8462.42	8462.42	4200.11	4262.31
143+10.00 0	872.357	871.384	5.00	0.00	0.00	0.00	6.81	70.06	8462.42	8462.42	4270.17	4192.25
144+0.000	872.761	871.798	5.00	0.00	0.00	0.00	6.60	67.13	8462.42	8462.42	4337.30	4125.12
144+10.00 0	873.164	872.308	5.00	0.00	0.00	0.00	5.80	61.98	8462.42	8462.42	4399.27	4063.14
145+0.000	873.568	872.853	5.00	0.00	0.00	0.00	4.71	52.78	8462.42	8462.42	4452.06	4010.36
145+10.00 0	873.972	873.433	5.00	0.00	0.00	0.00	3.50	41.05	8462.42	8462.42	4493.11	3969.31
146+0.000	874.368	873.917	5.00	0.00	0.00	0.00	2.73	31.15	8462.42	8462.42	4524.25	3938.17
146+10.00 0	874.736	874.359	5.00	0.00	0.00	0.00	2.31	25.16	8462.42	8462.42	4549.41	3913.01
147+0.000	875.073	874.731	5.00	0.00	0.00	0.00	2.38	23.46	8462.42	8462.42	4572.88	3889.54
147+10.00 0	875.380	875.104	5.00	0.00	0.00	0.00	2.33	23.65	8462.42	8462.42	4596.52	3865.90
148+0.000	875.656	875.473	5.00	0.00	0.00	0.00	1.62	19.74	8462.42	8462.42	4616.26	3846.16
148+10.00 0	875.902	875.817	5.00	0.00	0.00	0.00	0.77	11.93	8462.42	8462.42	4628.19	3834.23
149+0.000	876.117	876.141	5.00	0.16	0.79	0.79	0.17	4.68	8463.21	8463.21	4632.87	3830.34
149+10.00 0	876.301	876.449	5.00	0.78	4.74	4.74	0.00	0.84	8467.95	8467.95	4633.71	3834.24
150+0.000	876.456	876.749	5.00	1.71	12.44	12.44	0.00	0.00	8480.39	8480.39	4633.71	3846.68
150+10.00 0	876.579	877.036	5.00	2.90	23.18	23.18	0.00	0.00	8503.57	8503.57	4633.71	3869.86
151+0.000	876.673	877.304	5.00	4.14	35.17	35.17	0.00	0.00	8538.74	8538.74	4633.71	3905.03
151+10.00 0	876.735	877.422	5.00	4.34	42.84	42.84	0.00	0.00	8581.58	8581.58	4633.71	3947.87
152+0.000	876.767	877.405	5.00	3.65	40.33	40.33	0.00	0.00	8621.91	8621.91	4633.71	3988.20
152+10.00 0	876.769	877.085	5.00	1.57	26.09	26.09	0.07	0.36	8648.00	8648.00	4634.07	4013.93
153+0.000	876.740	876.798	5.00	0.34	9.51	9.51	0.70	3.92	8657.50	8657.50	4637.99	4019.52
153+10.00 0	876.681	876.529	5.00	0.00	1.71	1.71	2.17	14.38	8659.21	8659.21	4652.37	4006.85
154+0.000	876.591	876.255	5.00	0.00	0.00	0.00	3.80	29.84	8659.21	8659.21	4682.21	3977.01
154+10.00 0	876.471	875.952	5.00	0.00	0.00	0.00	4.88	43.49	8659.21	8659.21	4725.70	3933.51
155+0.000	876.320	875.628	5.00	0.00	0.00	0.00	5.39	51.68	8659.21	8659.21	4777.38	3881.83
155+10.00 0	876.139	875.308	5.00	0.00	0.00	0.00	5.69	55.40	8659.21	8659.21	4832.78	3826.44
156+0.000	875.927	874.981	5.00	0.00	0.00	0.00	6.58	61.31	8659.21	8659.21	4894.09	3765.13
156+10.00 0	875.685	874.644	5.00	0.00	0.00	0.00	7.44	70.03	8659.21	8659.21	4964.11	3695.10
157+0.000	875.412	874.255	5.00	0.00	0.00	0.00	8.48	79.58	8659.21	8659.21	5043.69	3615.52
157+10.00 0	875.108	873.890	5.00	0.00	0.00	0.00	9.20	88.41	8659.21	8659.21	5132.10	3527.12
158+0.000	874.775	873.549	5.00	0.00	0.00	0.00	9.38	92.96	8659.21	8659.21	5225.06	3434.16
158+10.00 0	874.414	873.249	5.00	0.00	0.00	0.00	8.81	91.07	8659.21	8659.21	5316.13	3343.08
159+0.000	874.049	872.960	5.00	0.00	0.00	0.00	8.04	84.46	8659.21	8659.21	5400.59	3258.62
159+10.00 0	873.684	872.681	5.00	0.00	0.00	0.00	7.01	75.25	8659.21	8659.21	5475.85	3183.37


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160+0.000	873.320	872.528	5.00	0.00	0.00	0.00	5.06	60.63	8659.21	8659.21	5536.48	3122.74
160+10.00 0	872.955	872.397	5.00	0.00	0.00	0.00	3.14	41.00	8659.21	8659.21	5577.48	3081.74
161+0.000	872.590	872.279	5.00	0.00	0.00	0.00	1.39	22.64	8659.21	8659.21	5600.12	3059.10
161+10.00 0	872.225	872.161	5.00	0.28	1.43	1.43	0.09	7.41	8660.64	8660.64	5607.53	3053.12
162+0.000	871.860	872.033	5.00	1.50	8.92	8.92	0.00	0.47	8669.57	8669.57	5608.00	3061.57
162+10.00 0	871.495	871.831	5.00	2.55	20.26	20.26	0.00	0.00	8689.82	8689.82	5608.00	3081.83
163+0.000	871.131	871.600	5.00	3.44	30.00	30.00	0.00	0.00	8719.83	8719.83	5608.00	3111.83
163+10.00 0	870.766	871.349	5.00	4.15	37.87	37.87	0.00	0.00	8757.69	8757.69	5608.00	3149.70
164+0.000	870.401	871.108	5.00	4.68	44.18	44.18	0.00	0.00	8801.87	8801.87	5608.00	3193.88
164+10.00 0	870.036	870.821	5.00	5.10	48.95	48.95	0.00	0.00	8850.82	8850.82	5608.00	3242.83
165+0.000	869.671	870.501	5.00	5.66	53.81	53.81	0.00	0.00	8904.64	8904.64	5608.00	3296.64
165+10.00 0	869.307	870.178	5.00	6.33	59.95	59.95	0.00	0.00	8964.58	8964.58	5608.00	3356.59
166+0.000	868.942	869.850	5.00	7.12	67.23	67.23	0.00	0.00	9031.81	9031.81	5608.00	3423.82
166+10.00 0	868.577	869.519	5.00	8.09	76.03	76.03	0.00	0.00	9107.84	9107.84	5608.00	3499.84
167+0.000	868.212	869.241	5.00	9.22	86.60	86.60	0.00	0.00	9194.45	9194.45	5608.00	3586.45
167+10.00 0	867.847	868.953	5.00	10.33	97.96	97.96	0.00	0.00	9292.40	9292.40	5608.00	3684.41
168+0.000	867.483	868.650	5.00	11.27	108.04	108.04	0.00	0.00	9400.44	9400.44	5608.00	3792.45
168+10.00 0	867.118	868.359	5.00	12.03	116.73	116.73	0.00	0.00	9517.18	9517.18	5608.00	3909.18
169+0.000	866.753	868.055	5.00	12.63	123.49	123.49	0.00	0.00	9640.67	9640.67	5608.00	4032.67
169+10.00 0	866.388	867.718	5.00	12.90	127.63	127.63	0.00	0.00	9768.30	9768.30	5608.00	4160.30
170+0.000	866.023	867.393	5.00	12.89	129.15	129.15	0.00	0.00	9897.45	9897.45	5608.00	4289.45
170+10.00 0	865.658	867.063	5.00	12.64	127.66	127.66	0.00	0.00	10025.11	10025.11	5608.00	4417.11
171+0.000	865.294	866.702	5.00	12.23	124.32	124.32	0.00	0.00	10149.43	10149.43	5608.00	4541.43
171+10.00 0	864.929	866.339	5.00	11.88	120.52	120.52	0.00	0.00	10269.95	10269.95	5608.00	4661.95
172+0.000	864.564	865.953	5.00	11.87	118.75	118.75	0.00	0.00	10388.70	10388.70	5608.00	4780.70
172+10.00 0	864.199	865.444	5.00	11.30	115.81	115.81	0.00	0.00	10504.51	10504.51	5608.00	4896.51
173+0.000	863.834	864.889	5.00	9.56	104.64	104.64	0.00	0.00	10609.15	10609.15	5608.00	5001.15
173+10.00 0	863.470	864.525	5.00	8.56	90.77	90.77	0.00	0.00	10699.92	10699.92	5608.00	5091.92
174+0.000	863.105	863.905	5.00	6.54	75.60	75.60	0.00	0.00	10775.52	10775.52	5608.00	5167.52
174+10.00 0	862.740	863.402	5.00	5.27	59.03	59.03	0.00	0.00	10834.55	10834.55	5608.00	5226.55
175+0.000	862.375	862.865	5.00	3.65	44.51	44.51	0.00	0.00	10879.06	10879.06	5608.00	5271.06
175+10.00 0	862.010	862.281	5.00	2.22	29.31	29.31	0.00	0.00	10908.37	10908.37	5608.00	5300.38
176+0.000	861.646	861.832	5.00	1.73	19.76	19.76	0.00	0.00	10928.13	10928.13	5608.00	5320.14
176+10.00 0	861.281	861.404	5.00	1.31	15.24	15.24	0.00	0.00	10943.37	10943.37	5608.00	5335.37
177+0.000	860.916	860.974	5.00	0.90	11.06	11.06	0.00	0.00	10954.43	10954.43	5608.00	5346.43
177+10.00 0	860.551	860.538	5.00	0.22	5.66	5.66	0.01	0.07	10960.09	10960.09	5608.07	5352.02
178+0.000	860.186	860.102	5.00	0.03	1.25	1.25	0.31	1.66	10961.33	10961.33	5609.74	5351.60
178+10.00 0	859.821	859.679	5.00	0.00	0.16	0.16	0.56	4.36	10961.50	10961.50	5614.10	5347.40
179+0.000	859.457	859.245	5.00	0.00	0.00	0.00	0.94	7.51	10961.50	10961.50	5621.61	5339.89
179+10.00 0	859.092	858.806	5.00	0.00	0.00	0.00	1.40	11.67	10961.50	10961.50	5633.28	5328.22
180+0.000	858.727	858.371	5.00	0.00	0.00	0.00	1.91	16.53	10961.50	10961.50	5649.81	5311.69
180+10.00 0	858.362	857.942	5.00	0.00	0.00	0.00	2.41	21.57	10961.50	10961.50	5671.37	5290.12
181+0.000	857.997	857.517	5.00	0.00	0.00	0.00	2.91	26.57	10961.50	10961.50	5697.94	5263.55
181+10.00 0	857.633	857.071	5.00	0.00	0.00	0.00	3.50	32.04	10961.50	10961.50	5729.98	5231.51
182+0.000	857.268	856.625	5.00	0.00	0.00	0.00	4.10	38.01	10961.50	10961.50	5767.99	5193.51
182+10.00 0	856.903	856.179	5.00	0.00	0.00	0.00	4.66	43.79	10961.50	10961.50	5811.78	5149.72
183+0.000	856.538	855.753	5.00	0.00	0.00	0.00	5.12	48.94	10961.50	10961.50	5860.72	5100.78
183+10.00 0	856.173	855.344	5.00	0.00	0.00	0.00	5.52	53.22	10961.50	10961.50	5913.94	5047.55
184+0.000	855.809	854.964	5.00	0.00	0.00	0.00	5.81	56.65	10961.50	10961.50	5970.59	4990.91


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184+10.00 0	855.444	854.532	5.00	0.00	0.00	0.00	6.39	61.02	10961.50	10961.50	6031.61	4929.89
185+0.000	855.079	854.089	5.00	0.00	0.00	0.00	7.06	67.27	10961.50	10961.50	6098.88	4862.62
185+10.00 0	854.714	853.660	5.00	0.00	0.00	0.00	7.69	73.77	10961.50	10961.50	6172.65	4788.84
186+0.000	854.349	853.228	5.00	0.00	0.00	0.00	8.34	80.17	10961.50	10961.50	6252.82	4708.68
186+10.00 0	853.985	852.795	5.00	0.00	0.00	0.00	9.00	86.77	10961.50	10961.50	6339.59	4621.91
187+0.000	853.620	852.392	5.00	0.00	0.00	0.00	9.43	92.17	10961.50	10961.50	6431.76	4529.74
187+10.00 0	853.255	851.995	5.00	0.00	0.00	0.00	9.79	96.17	10961.50	10961.50	6527.93	4433.57
188+0.000	852.890	851.604	5.00	0.00	0.00	0.00	10.14	99.66	10961.50	10961.50	6627.59	4333.91
188+10.00 0	852.525	851.210	5.00	0.00	0.00	0.00	10.53	103.31	10961.50	10961.50	6730.89	4230.60
189+0.000	852.160	850.833	5.00	0.00	0.00	0.00	10.56	105.38	10961.50	10961.50	6836.27	4125.23
189+10.00 0	851.796	850.482	5.00	0.00	0.00	0.00	10.45	105.03	10961.50	10961.50	6941.30	4020.19
190+0.000	851.431	850.118	5.00	0.00	0.00	0.00	10.41	104.28	10961.50	10961.50	7045.58	3915.92
190+10.00 0	851.066	849.759	5.00	0.00	0.00	0.00	10.37	103.89	10961.50	10961.50	7149.47	3812.02
191+0.000	850.701	849.422	5.00	0.00	0.00	0.00	10.18	102.76	10961.50	10961.50	7252.23	3709.27
191+10.00 0	850.336	849.079	5.00	0.00	0.00	0.00	10.01	100.97	10961.50	10961.50	7353.20	3608.30
192+0.000	849.972	848.734	5.00	0.00	0.00	0.00	9.82	99.16	10961.50	10961.50	7452.36	3509.14
192+10.00 0	849.607	848.393	5.00	0.00	0.00	0.00	9.58	97.02	10961.50	10961.50	7549.37	3412.12
193+0.000	849.242	848.039	5.00	0.00	0.00	0.00	9.41	94.95	10961.50	10961.50	7644.32	3317.17
193+10.00 0	848.877	847.686	5.00	0.00	0.00	0.00	9.26	93.36	10961.50	10961.50	7737.68	3223.82
194+0.000	848.512	847.381	5.00	0.00	0.00	0.00	8.81	90.35	10961.50	10961.50	7828.03	3133.47


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Relatório de Volumes

RAMAL SÍTIO SÃO FELIX (VILA DOS CAMPOS)

Estaca Inicial: 17+0.000

Estaca Final: 133+17.514

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
17+0.000	813.588	813.793	5,00	1,67	10,63	10,63	0,00	0,00	10,63	10,63	0,00	0,00
17+10.000	813.959	814.342	5,00	3,00	23,37	23,37	0,00	0,00	34,00	34,00	0,00	34,00
18+0.000	814.330	814.596	5,00	3,64	33,32	33,32	0,00	0,00	67,32	67,32	0,00	67,32
18+10.000	814.701	814.913	5,00	2,44	30,35	30,35	0,00	0,00	97,67	97,67	0,00	97,67
19+0.000	815.073	815.326	5,00	2,12	22,78	22,78	0,00	0,00	120,45	120,45	0,00	120,45
19+10.000	815.444	815.727	5,00	2,46	22,88	22,88	0,00	0,00	143,33	143,33	0,00	143,33
20+0.000	815.815	816.128	5,00	2,57	25,14	25,14	0,00	0,00	168,47	168,47	0,00	168,47
20+10.000	816.186	816.486	5,00	2,51	25,31	25,31	0,00	0,00	193,78	193,78	0,00	193,78
21+0.000	816.557	816.807	5,00	2,34	24,22	24,22	0,00	0,00	218,00	218,00	0,00	218,00
21+10.000	816.928	817.251	5,00	2,30	23,03	23,03	0,00	0,00	241,03	241,03	0,00	241,03
22+0.000	817.299	817.579	5,00	2,31	23,14	23,14	0,00	0,00	264,17	264,17	0,00	264,17
22+10.000	817.671	817.762	5,00	1,02	16,72	16,72	0,00	0,00	280,89	280,89	0,00	280,89
23+0.000	818.042	818.147	5,00	1,44	12,19	12,19	0,00	0,00	293,08	293,08	0,00	293,08
23+10.000	818.413	818.494	5,00	1,42	14,39	14,39	0,00	0,00	307,47	307,47	0,00	307,47
24+0.000	818.784	818.652	5,00	1,04	12,10	12,10	0,33	1,64	319,57	319,57	1,64	317,93
24+10.000	819.155	819.027	5,00	0,32	6,77	6,77	0,41	3,69	326,34	326,34	5,33	321,01
25+0.000	819.526	819.424	5,00	0,41	3,65	3,65	0,26	3,37	329,99	329,99	8,70	321,29
25+10.000	819.897	819.780	5,00	0,03	2,29	2,29	0,43	3,42	332,28	332,28	12,12	320,16
26+0.000	820.269	820.023	5,00	0,00	0,19	0,19	1,14	7,85	332,47	332,47	19,97	312,50
26+10.000	820.640	820.286	5,00	0,00	0,03	0,03	1,80	14,75	332,50	332,50	34,72	297,78
27+0.000	821.011	820.449	5,00	0,00	0,00	0,00	2,98	23,90	332,50	332,50	58,62	273,88
27+10.000	821.382	820.713	5,00	0,00	0,00	0,00	4,06	35,15	332,50	332,50	93,77	238,73
28+0.000	821.753	821.015	5,00	0,00	0,00	0,00	4,82	44,40	332,50	332,50	138,17	194,33
28+10.000	822.124	821.317	5,00	0,00	0,00	0,00	5,42	51,18	332,50	332,50	189,35	143,15
29+0.000	822.495	821.706	5,00	0,00	0,00	0,00	5,50	54,57	332,50	332,50	243,92	88,58
29+10.000	822.867	822.213	5,00	0,00	0,00	0,00	5,04	52,70	332,50	332,50	296,62	35,88
30+0.000	823.238	822.562	5,00	0,00	0,00	0,00	5,18	51,08	332,50	332,50	347,70	-15,20
30+10.000	823.609	822.783	5,00	0,00	0,00	0,00	6,32	57,17	332,50	332,50	404,87	-72,37
31+0.000	823.980	822.966	5,00	0,00	0,00	0,00	7,61	69,62	332,50	332,50	474,49	-141,99
31+10.000	824.351	823.274	5,00	0,00	0,00	0,00	8,06	78,38	332,50	332,50	552,87	-220,37
32+0.000	824.722	823.677	5,00	0,00	0,00	0,00	8,20	81,33	332,50	332,50	634,20	-301,70
32+10.000	825.093	823.937	5,00	0,00	0,00	0,00	9,14	86,71	332,50	332,50	720,91	-388,41
33+0.000	825.465	824.228	5,00	0,00	0,00	0,00	9,78	94,58	332,50	332,50	815,49	-482,99
33+10.000	825.836	824.551	5,00	0,00	0,00	0,00	10,14	99,58	332,50	332,50	915,07	-582,57
34+0.000	826.207	824.877	5,00	0,00	0,00	0,00	10,37	102,49	332,50	332,50	1017,56	-685,06
34+10.000	826.578	825.216	5,00	0,00	0,00	0,00	10,37	103,66	332,50	332,50	1121,22	-788,72
35+0.000	826.949	825.593	5,00	0,00	0,00	0,00	10,22	102,92	332,50	332,50	1224,14	-891,64
35+10.000	827.320	825.992	5,00	0,00	0,00	0,00	10,22	102,21	332,50	332,50	1326,35	-993,85
36+0.000	827.691	826.348	5,00	0,00	0,00	0,00	10,40	103,12	332,50	332,50	1429,47	-1096,97
36+10.000	828.063	826.748	5,00	0,00	0,00	0,00	10,47	104,83	332,50	332,50	1534,30	-1201,80
37+0.000	828.434	827.184	5,00	0,00	0,00	0,00	9,95	102,12	332,50	332,50	1636,42	-1303,92
37+10.000	828.805	827.607	5,00	0,00	0,00	0,00	9,20	96,14	332,50	332,50	1732,56	-1400,06
38+0.000	829.176	828.001	5,00	0,00	0,00	0,00	8,68	89,42	332,50	332,50	1821,98	-1489,48
38+10.000	829.547	828.565	5,00	0,00	0,00	0,00	7,78	82,29	332,50	332,50	1904,27	-1571,77
39+0.000	829.918	829.236	5,00	0,00	0,00	0,00	5,62	67,16	332,50	332,50	1971,43	-1638,93
39+10.000	830.289	830.058	5,00	0,00	0,00	0,00	3,12	43,68	332,50	332,50	2015,11	-1682,61
40+0.000	830.661	830.661	5,00	0,02	0,10	0,10	0,10	16,21	332,60	332,60	2031,32	-1698,72
40+10.000	831.032	831.215	5,00	1,11	5,64	5,64	0,00	0,49	338,24	338,24	2031,81	-1693,57
41+0.000	831.403	831.828	5,00	2,65	18,79	18,79	0,00	0,00	357,03	357,03	2031,81	-1674,78
41+10.000	831.774	832.408	5,00	4,50	35,69	35,69	0,00	0,00	392,72	392,72	2031,81	-1639,09
42+0.000	832.145	832.967	5,00	6,19	53,47	53,47	0,00	0,00	446,19	446,19	2031,81	-1585,62
42+10.000	832.516	833.488	5,00	7,49	68,39	68,39	0,00	0,00	514,58	514,58	2031,81	-1517,23
43+0.000	832.887	834.008	5,00	8,70	81,15	81,15	0,00	0,00	595,73	595,73	2031,81	-1436,08
43+10.000	833.259	834.515	5,00	10,01	94,17	94,17	0,00	0,00	689,90	689,90	2031,81	-1341,91
44+0.000	833.630	834.854	5,00	9,41	97,41	97,41	0,00	0,00	787,31	787,31	2031,81	-1244,50
44+10.000	834.001	834.958	5,00	6,77	82,36	82,36	0,00	0,00	869,67	869,67	2031,81	-1162,14
45+0.000	834.372	834.822	5,00	2,87	48,21	48,21	0,00	0,00	917,88	917,88	2031,81	-1113,93
45+10.000	834.743	834.890	5,00	0,82	18,23	18,23	0,00	0,02	936,11	936,11	2031,83	-1095,72
46+0.000	835.114	835.007	5,00	0,00	4,09	4,09	0,74	3,75	940,20	940,20	2035,58	-1095,38
46+10.000	835.485	835.177	5,00	0,00	0,01	0,01	2,60	16,72	940,21	940,21	2052,30	-1112,09


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85+10.000	851.062	850.026	5,00	0,00	0,00	0,00	0,00	7,39	74,16	1101,09	1101,09	7213,92	-6112,83
86+0.000	851.424	850.352	5,00	0,00	0,00	0,00	0,00	7,57	74,80	1101,09	1101,09	7288,72	-6187,63
86+10.000	851.785	850.682	5,00	0,00	0,00	0,00	0,00	7,78	76,90	1101,09	1101,09	7365,62	-6264,53
87+0.000	852.146	851.013	5,00	0,00	0,00	0,00	0,00	7,95	78,54	1101,09	1101,09	7444,16	-6343,07
87+10.000	852.508	851.324	5,00	0,00	0,00	0,00	0,00	8,30	81,26	1101,09	1101,09	7525,42	-6424,33
88+0.000	852.869	851.704	5,00	0,00	0,00	0,00	0,00	7,99	81,64	1101,09	1101,09	7607,06	-6505,97
88+10.000	853.231	852.141	5,00	0,00	0,00	0,00	0,00	7,24	76,26	1101,09	1101,09	7683,32	-6582,23
89+0.000	853.592	852.627	5,00	0,00	0,00	0,00	0,00	6,18	67,09	1101,09	1101,09	7750,41	-6649,32
89+10.000	853.953	853.119	5,00	0,00	0,00	0,00	0,00	5,14	56,62	1101,09	1101,09	7807,03	-6705,94
90+0.000	854.315	853.615	5,00	0,00	0,00	0,00	0,00	4,12	46,27	1101,09	1101,09	7853,30	-6752,21
90+10.000	854.676	854.153	5,00	0,00	0,00	0,00	0,00	2,98	35,48	1101,09	1101,09	7888,78	-6787,69
91+0.000	855.038	854.685	5,00	0,00	0,00	0,00	0,00	2,02	25,00	1101,09	1101,09	7913,78	-6812,69
91+10.000	855.399	855.204	5,00	0,00	0,00	0,00	0,00	1,13	15,76	1101,09	1101,09	7929,54	-6828,45
92+0.000	855.760	855.701	5,00	0,08	0,40	0,40	0,40	0,37	7,47	1101,49	1101,49	7937,01	-6835,52
92+10.000	856.122	856.185	5,00	0,56	3,17	3,17	0,00	0,00	1,83	1104,66	1104,66	7938,84	-6834,18
93+0.000	856.483	856.669	5,00	1,37	9,64	9,64	0,00	0,00	0,00	1114,30	1114,30	7938,84	-6824,54
93+10.000	856.845	857.137	5,00	2,16	17,60	17,60	0,00	0,00	0,00	1131,90	1131,90	7938,84	-6806,94
94+0.000	857.206	857.586	5,00	2,94	25,47	25,47	0,00	0,00	0,00	1157,37	1157,37	7938,84	-6781,47
94+10.000	857.567	858.067	5,00	3,85	33,98	33,98	0,00	0,00	0,00	1191,35	1191,35	7938,84	-6747,49
95+0.000	857.929	858.553	5,00	4,91	43,73	43,73	0,00	0,00	0,00	1235,08	1235,08	7938,84	-6703,76
95+10.000	858.290	859.041	5,00	6,03	54,66	54,66	0,00	0,00	0,00	1289,74	1289,74	7938,84	-6649,50
96+0.000	858.651	859.529	5,00	7,09	65,60	65,60	0,00	0,00	0,00	1355,34	1355,34	7938,84	-6583,50
96+10.000	859.013	860.001	5,00	7,99	75,38	75,38	0,00	0,00	0,00	1430,72	1430,72	7938,84	-6508,12
97+0.000	859.374	860.423	5,00	8,28	81,37	81,37	0,00	0,00	0,00	1512,09	1512,09	7938,84	-6426,75
97+10.000	859.736	860.774	5,00	7,91	80,98	80,98	0,00	0,00	0,00	1593,07	1593,07	7938,84	-6345,77
98+0.000	860.097	861.087	5,00	7,08	74,86	74,86	0,00	0,00	0,00	1667,93	1667,93	7938,84	-6270,91
98+10.000	860.458	861.370	5,00	6,20	66,42	66,42	0,00	0,00	0,00	1734,35	1734,35	7938,84	-6204,49
99+0.000	860.820	861.606	5,00	5,05	56,46	56,46	0,00	0,00	0,00	1790,81	1790,81	7938,84	-6148,03
99+10.000	861.181	861.807	5,00	3,66	43,71	43,71	0,00	0,00	0,00	1834,52	1834,52	7938,84	-6104,32
100+0.000	861.543	861.843	5,00	1,53	25,96	25,96	0,01	0,07	0,07	1860,48	1860,48	7938,91	-6078,43
100+10.000	861.904	861.897	5,00	0,10	8,17	8,17	0,71	3,64	3,64	1868,65	1868,65	7942,55	-6073,90
101+0.000	862.265	861.974	5,00	0,00	0,52	0,52	2,81	17,63	17,63	1869,17	1869,17	7960,18	-6091,01
101+10.000	862.627	861.826	5,00	0,00	0,00	0,00	5,90	43,75	43,75	1869,17	1869,17	8003,93	-6134,76
102+0.000	862.988	861.783	5,00	0,00	0,00	0,00	9,70	77,56	77,56	1869,17	1869,17	8081,49	-6212,32
102+10.000	863.350	861.967	5,00	0,00	0,00	0,00	12,43	110,66	110,66	1869,17	1869,17	8192,15	-6322,98
103+0.000	863.711	862.139	5,00	0,00	0,00	0,00	14,66	135,80	135,80	1869,17	1869,17	8327,95	-6458,78
103+10.000	864.072	862.381	5,00	0,00	0,00	0,00	16,57	156,29	156,29	1869,17	1869,17	8484,24	-6615,07
104+0.000	864.434	862.793	5,00	0,00	0,00	0,00	16,85	167,11	167,11	1869,17	1869,17	8651,35	-6782,18
104+10.000	864.795	863.264	5,00	0,00	0,00	0,00	16,23	165,41	165,41	1869,17	1869,17	8816,76	-6947,59
105+0.000	865.157	863.752	5,00	0,00	0,00	0,00	14,69	154,62	154,62	1869,17	1869,17	8971,38	-7102,21
105+10.000	865.518	864.240	5,00	0,00	0,00	0,00	12,71	137,00	137,00	1869,17	1869,17	9108,38	-7239,21
106+0.000	865.879	864.728	5,00	0,00	0,00	0,00	10,79	117,52	117,52	1869,17	1869,17	9225,90	-7356,73
106+10.000	866.241	865.210	5,00	0,00	0,00	0,00	9,29	100,19	100,19	1869,17	1869,17	9326,09	-7456,92
107+0.000	866.602	865.666	5,00	0,00	0,00	0,00	8,21	87,50	87,50	1869,17	1869,17	9413,59	-7544,42
107+10.000	866.949	866.156	5,00	0,00	0,00	0,00	7,05	76,20	76,20	1869,17	1869,17	9489,79	-7620,62
108+0.000	867.260	866.652	5,00	0,00	0,00	0,00	5,51	62,80	62,80	1869,17	1869,17	9552,59	-7683,42
108+10.000	867.536	867.078	5,00	0,00	0,00	0,00	4,05	47,79	47,79	1869,17	1869,17	9600,38	-7731,21
109+0.000	867.776	867.478	5,00	0,00	0,00	0,00	2,73	33,65	33,65	1869,17	1869,17	9634,03	-7764,86
109+10.000	867.981	867.853	5,00	0,00	0,00	0,00	1,52	21,09	21,09	1869,17	1869,17	9655,12	-7785,95
110+0.000	868.149	868.090	5,00	0,00	0,04	0,04	1,01	12,65	12,65	1869,21	1869,21	9667,77	-7798,56
110+10.000	868.282	868.305	5,00	0,21	1,11	1,11	0,64	8,15	8,15	1870,32	1870,32	9675,92	-7805,60
111+0.000	868.379	868.497	5,00	0,57	3,92	3,92	0,44	5,41	5,41	1874,24	1874,24	9681,33	-7807,09
111+10.000	868.441	868.562	5,00	0,59	5,84	5,84	0,68	5,52	5,52	1880,08	1880,08	9686,85	-7806,77
112+0.000	868.467	868.580	5,00	0,55	5,64	5,64	0,99	8,40	8,40	1885,72	1885,72	9695,25	-7809,53
112+10.000	868.457	868.534	5,00	0,41	4,78	4,78	0,98	9,87	9,87	1890,50	1890,50	9705,12	-7814,62
113+0.000	868.411	868.427	5,00	0,20	3,04	3,04	0,74	8,61	8,61	1893,54	1893,54	9713,73	-7820,19
113+10.000	868.330	868.298	5,00	0,07	1,32	1,32	0,50	6,21	6,21	1894,86	1894,86	9719,94	-7825,08
114+0.000	868.213	868.153	5,00	0,02	0,43	0,43	0,41	4,52	4,52	1895,29	1895,29	9724,46	-7829,17
114+10.000	868.060	868.044	5,00	0,10	0,61	0,61	0,23	3,22	3,22	1895,90	1895,90	9727,68	-7831,78
115+0.000	867.872	867.931	5,00	0,42	2,60	2,60	0,02	1,29	1,29	1898,50	1898,50	9728,97	-7830,47
115+10.000	867.648	867.753	5,00	0,79	6,03	6,03	0,00	0,12	0,12	1904,53	1904,53	9729,09	-7824,56
116+0.000	867.388	867.579	5,00	1,30	10,48	10,48	0,00	0,00	0,00	1915,01	1915,01	9729,09	-7814,08
116+10.000	867.094	867.406	5,00	2,13	17,13	17,13	0,00	0,00	0,00	1932,14	1932,14	9729,09	-7796,95
117+0.000	866.791	867.096	5,00	2,35	22,38	22,38	0,00	0,00	0,00	1954,52	1954,52	9729,09	-7774,57


 JOTA BARROS PROJETO
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117+10.00 0	866.489	866.740	5,00	2,09	22,17	22,17	0,00	0,00	1976,69	1976,69	9729,09	-7752,40
118+0.000	866.186	866.324	5,00	1,35	17,17	17,17	0,00	0,00	1993,86	1993,86	9729,09	-7735,23
118+10.00 0	865.883	865.998	5,00	1,14	12,42	12,42	0,00	0,00	2006,28	2006,28	9729,09	-7722,81
119+0.000	865.580	865.662	5,00	0,85	9,93	9,93	0,00	0,00	2016,21	2016,21	9729,09	-7712,88
119+10.00 0	865.277	865.291	5,00	0,48	6,64	6,64	0,00	0,00	2022,85	2022,85	9729,09	-7706,24
120+0.000	864.975	865.018	5,00	0,72	5,95	5,95	0,00	0,00	2028,80	2028,80	9729,09	-7700,29
120+10.00 0	864.672	864.754	5,00	0,92	8,16	8,16	0,00	0,00	2036,96	2036,96	9729,09	-7692,13
121+0.000	864.369	864.460	5,00	1,02	9,67	9,67	0,00	0,00	2046,63	2046,63	9729,09	-7682,46
121+10.00 0	864.066	864.206	5,00	1,38	11,96	11,96	0,00	0,00	2058,59	2058,59	9729,09	-7670,50
122+0.000	863.764	863.962	5,00	1,71	15,44	15,44	0,00	0,00	2074,03	2074,03	9729,09	-7655,06
122+10.00 0	863.461	863.689	5,00	1,90	18,04	18,04	0,00	0,00	2092,07	2092,07	9729,09	-7637,02
123+0.000	863.158	863.421	5,00	1,99	19,45	19,45	0,00	0,00	2111,52	2111,52	9729,09	-7617,57
123+10.00 0	862.855	863.154	5,00	2,05	20,22	20,22	0,00	0,00	2131,74	2131,74	9729,09	-7597,35
124+0.000	862.552	862.787	5,00	1,83	19,40	19,40	0,00	0,00	2151,14	2151,14	9729,09	-7577,95
124+10.00 0	862.250	862.432	5,00	1,54	16,86	16,86	0,00	0,00	2168,00	2168,00	9729,09	-7561,09
125+0.000	861.947	862.092	5,00	1,25	13,96	13,96	0,00	0,00	2181,96	2181,96	9729,09	-7547,13
125+10.00 0	861.644	861.797	5,00	1,09	11,72	11,72	0,00	0,00	2193,68	2193,68	9729,09	-7535,41
126+0.000	861.341	861.453	5,00	0,77	9,37	9,37	0,00	0,00	2203,05	2203,05	9729,09	-7526,04
126+10.00 0	861.039	861.025	5,00	0,17	4,69	4,69	0,01	0,07	2207,74	2207,74	9729,16	-7521,42
127+0.000	860.736	860.634	5,00	0,03	0,99	0,99	0,25	1,34	2208,73	2208,73	9730,50	-7521,77
127+10.00 0	860.433	860.262	5,00	0,00	0,15	0,15	0,60	4,24	2208,88	2208,88	9734,74	-7525,86
128+0.000	860.130	859.914	5,00	0,00	0,00	0,00	0,83	7,11	2208,88	2208,88	9741,85	-7532,97
128+10.00 0	859.827	859.607	5,00	0,00	0,00	0,00	0,91	8,68	2208,88	2208,88	9750,53	-7541,65
129+0.000	859.525	859.316	5,00	0,00	0,00	0,00	0,86	8,88	2208,88	2208,88	9759,41	-7550,53
129+10.00 0	859.222	859.042	5,00	0,00	0,00	0,00	0,76	8,10	2208,88	2208,88	9767,51	-7558,63
130+0.000	858.919	858.754	5,00	0,00	0,04	0,04	0,63	6,97	2208,92	2208,92	9774,48	-7565,56
130+10.00 0	858.616	858.469	5,00	0,09	0,48	0,48	0,45	5,46	2209,40	2209,40	9779,94	-7570,54
131+0.000	858.314	858.218	5,00	0,36	2,26	2,26	0,21	3,31	2211,66	2211,66	9783,25	-7571,59
131+10.00 0	858.011	857.943	5,00	0,90	6,29	6,29	0,03	1,18	2217,95	2217,95	9784,43	-7566,48
132+0.000	857.708	857.664	5,00	1,46	11,65	11,65	0,03	0,30	2229,60	2229,60	9784,73	-7555,13
132+10.00 0	857.405	857.371	5,00	0,84	11,61	11,61	0,02	0,23	2241,21	2241,21	9784,96	-7543,75
133+0.000	857.102	857.046	5,00	0,53	6,86	6,86	0,05	0,32	2248,07	2248,07	9785,28	-7537,21
133+10.00 0	856.800	856.758	5,00	0,17	3,45	3,45	0,09	0,70	2251,52	2251,52	9785,98	-7534,46
133+17.51 4	856.572	856.505	3,76	0,11	1,06	1,06	0,15	0,92	2252,58	2252,58	9786,90	-7534,32


 JOTA BATROS PROJETOS
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Relatório de Volumes

SITIO SAO JOSE

Estaca Inicial: 0+0.000

Estaca Final: 22+17,54

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volum de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volum Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	907.000	907.003	0.00	0.61	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	907.235	907.111	5.00	0.18	3.92	3.92	0.44	2.20	3.92	3.92	2.20	1.72
1+0.000	907.471	907.267	5.00	0.06	1.24	1.24	0.87	6.48	5.16	5.16	8.68	-3.52
1+10.000	907.706	907.405	5.00	0.00	0.35	0.35	1.42	11.46	5.51	5.51	20.14	-14.63
2+0.000	907.942	907.513	5.00	0.00	0.04	0.04	2.12	17.71	5.55	5.55	37.85	-32.30
2+10.000	908.177	907.596	5.00	0.00	0.00	0.00	2.93	25.27	5.55	5.55	63.12	-57.57
3+0.000	908.413	907.674	5.00	0.00	0.00	0.00	3.80	33.65	5.55	5.55	96.77	-91.22
3+10.000	908.648	907.791	5.00	0.00	0.00	0.00	4.68	42.37	5.55	5.55	139.15	-133.59
4+0.000	908.884	907.921	5.00	0.00	0.00	0.00	5.54	50.87	5.55	5.55	190.01	-184.46
4+10.000	909.119	908.084	5.00	0.00	0.00	0.00	6.47	60.04	5.55	5.55	250.06	-244.50
5+0.000	909.354	908.367	5.00	0.00	0.00	0.00	6.27	64.30	5.55	5.55	314.35	-308.80
5+10.000	909.590	908.691	5.00	0.00	0.00	0.00	5.78	60.26	5.55	5.55	374.62	-369.06
6+0.000	909.825	909.015	5.00	0.00	0.00	0.00	5.50	56.41	5.55	5.55	431.02	-425.47
6+10.000	910.061	909.354	5.00	0.00	0.00	0.00	5.40	54.49	5.55	5.55	485.51	-479.96
7+0.000	910.296	909.741	5.00	0.00	0.00	0.00	4.68	50.41	5.55	5.55	535.93	-530.37
7+10.000	910.524	910.127	5.00	0.00	0.00	0.00	3.40	40.40	5.55	5.55	576.32	-570.77
8+0.000	910.741	910.513	5.00	0.00	0.00	0.00	1.89	26.42	5.55	5.55	602.75	-597.19
8+10.000	910.947	911.262	5.00	1.01	4.99	4.99	0.19	10.47	10.55	10.55	613.21	-602.67
9+0.000	911.143	912.103	5.00	5.05	30.28	30.28	0.00	0.97	40.83	40.83	614.19	-573.36
9+10.000	911.328	912.743	5.00	10.40	79.25	79.25	0.00	0.00	120.08	120.08	614.19	-494.11
10+0.000	911.503	912.274	5.00	4.52	77.10	77.10	0.00	0.00	197.18	197.18	614.19	-417.00
10+10.000	911.667	911.885	5.00	1.26	27.75	27.75	0.02	0.13	224.93	224.93	614.31	-389.38
11+0.000	911.821	911.959	5.00	1.11	11.85	11.85	0.00	0.11	236.78	236.78	614.43	-377.65
11+10.000	911.964	912.023	5.00	0.37	7.43	7.43	0.01	0.05	244.21	244.21	614.48	-370.27
12+0.000	912.096	912.000	5.00	0.00	1.87	1.87	0.42	2.14	246.08	246.08	616.62	-370.54
12+10.000	912.218	911.996	5.00	0.00	0.00	0.00	1.11	7.65	246.08	246.08	624.26	-378.19
13+0.000	912.329	911.947	5.00	0.00	0.00	0.00	1.97	15.43	246.08	246.08	639.69	-393.62
13+10.000	912.430	911.953	5.00	0.00	0.00	0.00	2.83	24.00	246.08	246.08	663.69	-417.61
14+0.000	912.520	911.959	5.00	0.00	0.00	0.00	3.42	31.22	246.08	246.08	694.91	-448.84
14+10.000	912.600	911.955	5.00	0.00	0.00	0.00	4.00	37.15	246.08	246.08	732.07	-485.99
15+0.000	912.669	911.970	5.00	0.00	0.00	0.00	4.49	42.46	246.08	246.08	774.53	-528.45
15+10.000	912.728	912.042	5.00	0.00	0.00	0.00	4.56	45.25	246.08	246.08	819.78	-573.70
16+0.000	912.777	912.103	5.00	0.00	0.00	0.00	4.54	45.52	246.08	246.08	865.29	-619.22
16+10.000	912.826	912.155	5.00	0.00	0.00	0.00	4.53	45.32	246.08	246.08	910.61	-664.54
17+0.000	912.875	912.182	5.00	0.00	0.00	0.00	4.59	45.57	246.08	246.08	956.18	-710.11
17+10.000	912.924	912.216	5.00	0.00	0.00	0.00	4.68	46.35	246.08	246.08	1002.53	-756.46
18+0.000	912.973	912.251	5.00	0.00	0.00	0.00	4.82	47.51	246.08	246.08	1050.05	-803.97
18+10.000	913.022	912.270	5.00	0.00	0.00	0.00	5.02	49.22	246.08	246.08	1099.26	-853.18
19+0.000	913.071	912.287	5.00	0.00	0.00	0.00	5.23	51.28	246.08	246.08	1150.54	-904.47
19+10.000	913.119	912.305	5.00	0.00	0.00	0.00	5.44	53.40	246.08	246.08	1203.95	-957.87
20+0.000	913.168	912.370	5.00	0.00	0.00	0.00	5.39	54.20	246.08	246.08	1258.14	-1012.06
20+10.000	913.217	912.428	5.00	0.00	0.00	0.00	5.59	54.92	246.08	246.08	1313.07	-1066.99
21+0.000	913.266	912.475	5.00	0.00	0.00	0.00	5.67	56.30	246.08	246.08	1369.37	-1123.29
21+10.000	913.315	912.531	5.00	0.00	0.00	0.00	5.52	55.94	246.08	246.08	1425.31	-1179.23
22+0.000	913.364	912.598	5.00	0.00	0.00	0.00	5.34	54.27	246.08	246.08	1479.58	-1233.50
22+10.000	913.413	912.689	5.00	0.00	0.00	0.00	5.14	52.40	246.08	246.08	1531.98	-1285.90
23+0.000	913.461	912.828	5.00	0.00	0.00	0.00	4.68	49.19	246.08	246.08	1581.17	-1335.10
23+10.000	913.510	912.979	5.00	0.00	0.00	0.00	4.00	43.40	246.08	246.08	1624.57	-1378.49
24+0.000	913.559	913.128	5.00	0.00	0.00	0.00	3.14	35.71	246.08	246.08	1660.28	-1414.20
24+10.000	913.608	913.291	5.00	0.00	0.00	0.00	2.35	27.31	246.08	246.08	1687.60	-1441.52
25+0.000	913.657	913.459	5.00	0.00	0.00	0.00	1.63	19.95	246.08	246.08	1707.55	-1461.47
25+10.000	913.706	913.622	5.00	0.00	0.00	0.00	0.92	12.77	246.08	246.08	1720.31	-1474.24


 JOTA BATROS PROJETOS
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE


26+0.000	913.755	913.716	5.00	0.00	0.00	0.00	0.48	7.03	246.08	246.08	1727.34	-1481.26
26+10.000	913.804	913.769	5.00	0.00	0.00	0.00	0.30	3.91	246.08	246.08	1731.25	-1485.17
27+0.000	913.852	913.836	5.00	0.00	0.01	0.01	0.22	2.58	246.09	246.09	1733.83	-1487.74
27+10.000	913.901	913.913	5.00	0.14	0.70	0.70	0.23	2.22	246.79	246.79	1736.05	-1489.26
28+0.000	913.950	914.004	5.00	0.38	2.58	2.58	0.33	2.82	249.37	249.37	1738.87	-1489.50
28+10.000	913.999	913.895	5.00	0.15	2.67	2.67	0.65	4.87	252.04	252.04	1743.74	-1491.70
29+0.000	914.048	913.789	5.00	0.00	0.73	0.73	1.30	9.70	252.77	252.77	1753.45	-1500.67
29+10.000	914.097	913.725	5.00	0.00	0.00	0.00	2.02	16.56	252.77	252.77	1770.01	-1517.24
30+0.000	914.146	913.662	5.00	0.00	0.00	0.00	2.89	24.52	252.77	252.77	1794.53	-1541.76
30+10.000	914.194	913.598	5.00	0.00	0.00	0.00	3.90	33.92	252.77	252.77	1828.45	-1575.68
31+0.000	914.243	913.506	5.00	0.00	0.00	0.00	5.03	44.45	252.77	252.77	1872.90	-1620.13
31+10.000	914.292	913.299	5.00	0.00	0.00	0.00	6.41	57.19	252.77	252.77	1930.09	-1677.32
32+0.000	914.341	913.116	5.00	0.00	0.00	0.00	7.94	71.71	252.77	252.77	2001.80	-1749.03
32+10.000	914.388	912.978	5.00	0.00	0.00	0.00	9.55	87.79	252.77	252.77	2089.60	-1836.82
33+0.000	914.424	913.002	5.00	0.00	0.00	0.00	10.48	100.16	252.77	252.77	2189.76	-1936.98
33+10.000	914.448	913.011	5.00	0.00	0.00	0.00	10.77	104.98	252.77	252.77	2294.74	-2041.96
34+0.000	914.460	913.063	5.00	0.00	0.00	0.00	10.54	107.02	252.77	252.77	2401.76	-2148.99
34+10.000	914.463	913.160	5.00	0.00	0.00	0.00	9.57	100.62	252.77	252.77	2502.38	-2249.61
35+0.000	914.466	913.267	5.00	0.00	0.00	0.00	8.67	91.19	252.77	252.77	2593.57	-2340.80
35+10.000	914.468	913.384	5.00	0.00	0.00	0.00	7.82	82.47	252.77	252.77	2676.04	-2423.26
36+0.000	914.470	913.473	5.00	0.00	0.00	0.00	7.09	74.53	252.77	252.77	2750.57	-2497.79
36+10.000	914.472	913.584	5.00	0.00	0.00	0.00	6.20	66.29	252.77	252.77	2816.86	-2564.09
37+0.000	914.474	913.722	5.00	0.00	0.00	0.00	5.04	56.21	252.77	252.77	2873.07	-2620.30
37+10.000	914.476	913.875	5.00	0.00	0.00	0.00	3.77	44.05	252.77	252.77	2917.12	-2664.35
38+0.000	914.478	914.023	5.00	0.00	0.00	0.00	2.61	31.95	252.77	252.77	2949.07	-2696.30
38+10.000	914.480	914.158	5.00	0.00	0.00	0.00	1.74	21.81	252.77	252.77	2970.89	-2718.11
39+0.000	914.520	914.303	5.00	0.00	0.00	0.00	1.00	13.69	252.77	252.77	2984.58	-2731.81
60+0.000	927.162	927.573	210.00	2.87	603.24	603.24	0.00	209.22	856.02	856.02	3193.80	-2337.78
60+10.000	927.974	928.476	5.00	3.86	33.43	33.43	0.00	0.00	889.45	889.45	3193.80	-2304.35
61+0.000	928.802	929.522	5.00	5.68	47.71	47.71	0.00	0.00	937.17	937.17	3193.80	-2256.63
61+10.000	929.630	930.520	5.00	7.28	64.84	64.84	0.00	0.00	1002.01	1002.01	3193.80	-2191.79
62+0.000	930.458	931.416	5.00	7.18	72.11	72.11	0.00	0.00	1074.12	1074.12	3193.80	-2119.68
62+10.000	931.286	932.038	5.00	5.64	64.12	64.12	0.00	0.00	1138.24	1138.24	3193.80	-2055.56
63+0.000	932.115	932.758	5.00	4.86	52.52	52.52	0.00	0.00	1190.75	1190.75	3193.80	-2003.04
63+10.000	932.943	933.542	5.00	4.78	48.19	48.19	0.00	0.00	1238.95	1238.95	3193.80	-1954.85
64+0.000	933.771	934.445	5.00	5.55	51.61	51.61	0.00	0.00	1290.56	1290.56	3193.80	-1903.24
64+10.000	934.599	935.258	5.00	5.29	54.25	54.25	0.00	0.00	1344.81	1344.81	3193.80	-1848.99
65+0.000	935.427	936.037	5.00	5.00	51.46	51.46	0.00	0.00	1396.27	1396.27	3193.80	-1797.53
65+10.000	936.256	936.907	5.00	5.31	51.55	51.55	0.00	0.00	1447.81	1447.81	3193.80	-1745.98
66+0.000	937.084	937.625	5.00	4.11	47.10	47.10	0.00	0.00	1494.91	1494.91	3193.80	-1698.89
66+10.000	937.910	938.246	5.00	2.40	32.57	32.57	0.00	0.00	1527.48	1527.48	3193.80	-1666.32
67+0.000	938.693	938.787	5.00	0.71	15.56	15.56	0.00	0.00	1543.04	1543.04	3193.80	-1650.76
67+10.000	939.414	939.320	5.00	0.00	3.55	3.55	0.47	2.33	1546.59	1546.59	3196.12	-1649.53
68+0.000	940.073	939.848	5.00	0.00	0.00	0.00	1.31	8.86	1546.59	1546.59	3204.98	-1658.39
68+10.000	940.669	940.387	5.00	0.00	0.00	0.00	1.70	15.04	1546.59	1546.59	3220.02	-1673.43

69+0.000	941.203	940.946	5.00	0.00	0.00	0.00	1.49	15.99	1546.59	1546.59	3236.01	-1689.41
69+10.000	941.674	941.528	5.00	0.00	0.00	0.00	0.84	11.65	1546.59	1546.59	3247.66	-1701.06
70+0.000	942.084	942.042	5.00	0.00	0.02	0.02	0.20	5.21	1546.62	1546.62	3252.87	-1706.25
70+10.000	942.431	942.492	5.00	0.35	1.80	1.80	0.03	1.19	1548.42	1548.42	3254.06	-1705.64
71+0.000	942.715	942.855	5.00	0.72	5.35	5.35	0.08	0.59	1553.77	1553.77	3254.65	-1700.87
71+10.000	942.938	942.983	5.00	0.29	5.04	5.04	0.40	2.43	1558.82	1558.82	3257.07	-1698.26
72+0.000	943.098	943.034	5.00	0.01	1.53	1.53	1.00	6.96	1560.35	1560.35	3264.03	-1703.68
72+10.000	943.196	943.018	5.00	0.00	0.06	0.06	2.04	15.20	1560.41	1560.41	3279.23	-1718.82
73+0.000	943.231	942.878	5.00	0.00	0.00	0.00	3.88	29.70	1560.41	1560.41	3308.93	-1748.52
73+10.000	943.205	942.672	5.00	0.00	0.00	0.00	6.07	49.58	1560.41	1560.41	3358.51	-1798.10
74+0.000	943.131	942.373	5.00	0.00	0.00	0.00	7.42	67.45	1560.41	1560.41	3425.97	-1865.55
74+10.000	943.055	942.235	5.00	0.00	0.00	0.00	6.99	72.47	1560.41	1560.41	3498.44	-1938.03
75+0.000	942.978	942.182	5.00	0.00	0.00	0.00	6.16	65.52	1560.41	1560.41	3563.96	-2003.55
75+10.000	942.902	942.198	5.00	0.00	0.00	0.00	5.54	58.49	1560.41	1560.41	3622.45	-2062.04
76+0.000	942.826	942.214	5.00	0.00	0.00	0.00	4.22	48.75	1560.41	1560.41	3671.21	-2110.79
76+10.000	942.750	942.301	5.00	0.00	0.00	0.00	2.22	32.47	1560.41	1560.41	3703.67	-2143.26
77+0.000	942.673	942.452	5.00	0.09	0.43	0.43	0.79	15.09	1560.84	1560.84	3718.76	-2157.92
77+10.000	942.597	942.603	5.00	0.65	3.66	3.66	0.00	3.97	1564.50	1564.50	3722.73	-2158.23
78+0.000	942.521	942.754	5.00	1.40	10.22	10.22	0.00	0.00	1574.72	1574.72	3722.73	-2148.01
78+10.000	942.447	942.513	5.00	0.56	9.85	9.85	0.01	0.05	1584.58	1584.58	3722.79	-2138.21
79+0.000	942.429	942.382	5.00	0.18	3.72	3.72	0.07	0.40	1588.30	1588.30	3723.19	-2134.89
79+10.000	942.490	942.478	5.00	0.21	1.96	1.96	0.02	0.46	1590.26	1590.26	3723.64	-2133.39
80+0.000	942.628	942.529	5.00	0.00	1.07	1.07	0.32	1.70	1591.32	1591.32	3725.34	-2134.02
80+10.000	942.843	942.572	5.00	0.00	0.03	0.03	1.34	8.31	1591.36	1591.36	3733.65	-2142.29
81+0.000	943.079	942.632	5.00	0.00	0.00	0.00	2.56	19.55	1591.36	1591.36	3753.20	-2161.85
81+10.000	943.316	942.707	5.00	0.00	0.00	0.00	3.69	31.27	1591.36	1591.36	3784.47	-2193.12
82+0.000	943.552	942.824	5.00	0.00	0.00	0.00	4.61	41.51	1591.36	1591.36	3825.98	-2234.62
82+10.000	943.789	942.942	5.00	0.00	0.00	0.00	5.40	50.05	1591.36	1591.36	3876.03	-2284.67
83+0.000	944.025	943.060	5.00	0.00	0.00	0.00	6.25	58.22	1591.36	1591.36	3934.25	-2342.90
83+10.000	944.262	943.408	5.00	0.00	0.00	0.00	5.30	57.71	1591.36	1591.36	3991.96	-2400.60
84+0.000	944.498	943.750	5.00	0.00	0.00	0.00	5.13	52.13	1591.36	1591.36	4044.09	-2452.73
84+10.000	944.734	944.170	5.00	0.00	0.00	0.00	5.24	51.86	1591.36	1591.36	4095.95	-2504.60
85+0.000	944.971	944.544	5.00	0.00	0.00	0.00	3.99	46.14	1591.36	1591.36	4142.10	-2550.74
85+10.000	945.207	944.921	5.00	0.00	0.00	0.00	2.69	33.49	1591.36	1591.36	4175.58	-2584.23
86+0.000	945.444	945.306	5.00	0.00	0.00	0.00	1.43	20.60	1591.36	1591.36	4196.19	-2604.83
86+10.000	945.680	945.479	5.00	0.00	0.00	0.00	1.12	12.74	1591.36	1591.36	4208.92	-2617.57
87+0.000	945.910	945.620	5.00	0.00	0.00	0.00	1.81	14.62	1591.36	1591.36	4223.54	-2632.18
87+10.000	946.014	945.822	5.00	0.00	0.00	0.00	1.16	14.83	1591.36	1591.36	4238.36	-2647.01
88+0.000	945.945	945.802	5.00	0.00	0.00	0.00	0.60	8.78	1591.36	1591.36	4247.15	-2655.79
88+10.000	945.704	945.705	5.00	0.34	1.70	1.70	0.00	2.98	1593.05	1593.05	4250.13	-2657.08
89+0.000	945.298	945.549	5.00	2.10	12.20	12.20	0.00	0.00	1605.26	1605.26	4250.13	-2644.87
89+10.000	944.846	945.265	5.00	3.09	25.94	25.94	0.00	0.00	1631.20	1631.20	4250.13	-2618.93
90+0.000	944.394	944.834	5.00	3.57	33.29	33.29	0.00	0.00	1664.49	1664.49	4250.13	-2585.64
90+10.000	943.982	944.094	5.00	1.41	24.90	24.90	0.00	0.00	1689.39	1689.39	4250.13	-2560.74
91+0.000	943.677	943.491	5.00	0.00	7.01	7.01	0.69	3.47	1696.40	1696.40	4253.60	-2557.19


91+10.000	943.481	942.978	5.00	0.00	0.00	0.00	2.79	17.61	1696.40	1696.40	4271.20	-2574.80
92+0.000	943.392	942.617	5.00	0.00	0.00	0.00	5.06	39.34	1696.40	1696.40	4310.54	-2614.13
92+10.000	943.372	942.257	5.00	0.00	0.00	0.00	8.26	66.61	1696.40	1696.40	4377.15	-2680.74
93+0.000	943.358	941.885	5.00	0.00	0.00	0.00	11.00	96.27	1696.40	1696.40	4473.42	-2777.01
93+10.000	943.359	941.843	5.00	0.00	0.00	0.00	12.80	118.46	1696.40	1696.40	4591.88	-2895.47
94+0.000	943.375	941.935	5.00	0.00	0.00	0.00	13.92	129.77	1696.40	1696.40	4721.64	-3025.24
94+10.000	943.406	941.736	5.00	0.00	0.00	0.00	16.21	150.66	1696.40	1696.40	4872.31	-3175.90
95+0.000	943.447	942.155	5.00	0.00	0.00	0.00	15.04	156.28	1696.40	1696.40	5028.59	-3332.18
95+10.000	943.504	942.779	5.00	0.00	0.00	0.00	9.04	118.77	1696.40	1696.40	5147.36	-3450.95
96+0.000	943.617	943.393	5.00	0.00	0.00	0.00	3.16	60.99	1696.40	1696.40	5208.35	-3511.95
96+10.000	943.789	944.008	5.00	2.08	10.40	10.40	0.12	16.43	1706.81	1706.81	5224.78	-3517.97
97+0.000	944.019	944.605	5.00	5.89	41.24	41.24	0.00	0.62	1748.04	1748.04	5225.41	-3477.36
97+10.000	944.293	945.070	5.00	7.49	68.37	68.37	0.00	0.00	1816.42	1816.42	5225.41	-3408.99
98+0.000	944.568	945.518	5.00	9.34	84.18	84.18	0.00	0.00	1900.60	1900.60	5225.41	-3324.81
98+10.000	944.843	945.966	5.00	11.38	103.64	103.64	0.00	0.00	2004.24	2004.24	5225.41	-3221.17
99+0.000	945.118	946.415	5.00	12.64	120.14	120.14	0.00	0.00	2124.38	2124.38	5225.41	-3101.03
99+10.000	945.394	946.679	5.00	12.65	125.38	125.38	0.00	0.00	2249.75	2249.75	5225.41	-2975.65
100+0.000	945.669	946.721	5.00	10.99	118.21	118.21	0.00	0.00	2367.96	2367.96	5225.41	-2857.44
100+10.000	945.944	946.779	5.00	9.36	101.76	101.76	0.00	0.00	2469.72	2469.72	5225.41	-2755.68
101+0.000	946.219	946.956	5.00	8.27	88.17	88.17	0.00	0.00	2557.89	2557.89	5225.41	-2667.51
101+10.000	946.495	947.117	5.00	7.31	77.94	77.94	0.00	0.00	2635.83	2635.83	5225.41	-2589.58
102+0.000	946.770	947.269	5.00	6.21	67.62	67.62	0.00	0.00	2703.45	2703.45	5225.41	-2521.95
102+10.000	947.045	947.550	5.00	5.76	59.85	59.85	0.00	0.00	2763.30	2763.30	5225.41	-2462.10
103+0.000	947.321	947.715	5.00	5.33	55.75	55.75	0.00	0.00	2819.06	2819.06	5225.41	-2406.35
103+10.000	947.596	947.782	5.00	3.72	45.15	45.15	0.00	0.00	2864.21	2864.21	5225.41	-2361.20
104+0.000	947.871	947.859	5.00	1.82	27.70	27.70	0.01	0.05	2891.91	2891.91	5225.46	-2333.55
104+10.000	948.146	947.976	5.00	0.63	12.27	12.27	0.35	1.78	2904.18	2904.18	5227.23	-2323.05
105+0.000	948.422	948.141	5.00	0.30	4.65	4.65	0.71	5.26	2908.83	2908.83	5232.49	-2323.67
105+10.000	948.697	947.854	5.00	0.00	1.53	1.53	2.83	17.70	2910.35	2910.35	5250.20	-2339.84
106+0.000	948.972	947.548	5.00	0.00	0.00	0.00	6.94	48.93	2910.35	2910.35	5299.12	-2388.77
106+10.000	949.247	948.204	5.00	0.00	0.00	0.00	6.04	64.97	2910.35	2910.35	5364.09	-2453.74
107+0.000	949.523	948.785	5.00	0.00	0.00	0.00	4.21	51.25	2910.35	2910.35	5415.34	-2504.98
107+10.000	949.798	948.917	5.00	0.00	0.00	0.00	4.19	42.08	2910.35	2910.35	5457.42	-2547.06
108+0.000	950.073	949.800	5.00	0.40	2.10	2.10	0.43	23.34	2912.46	2912.46	5480.76	-2568.30
108+10.000	950.348	950.614	5.00	2.56	14.81	14.81	0.00	2.16	2927.27	2927.27	5482.92	-2555.65
109+0.000	950.624	951.045	5.00	2.36	24.56	24.56	0.00	0.00	2951.83	2951.83	5482.92	-2531.09
109+10.000	950.899	951.290	5.00	1.51	19.78	19.78	0.12	0.54	2971.61	2971.61	5483.46	-2511.85
110+0.000	951.174	951.193	5.00	0.24	8.74	8.74	0.72	4.19	2980.34	2980.34	5487.65	-2507.31
110+10.000	951.428	951.096	5.00	0.00	1.19	1.19	2.11	14.18	2981.53	2981.53	5501.84	-2520.31
111+0.000	951.552	951.000	5.00	0.00	0.00	0.00	2.79	24.51	2981.53	2981.53	5526.35	-2544.82
111+10.000	951.529	950.961	5.00	0.00	0.00	0.00	2.31	25.48	2981.53	2981.53	5551.83	-2570.30
112+0.000	951.361	951.095	5.00	0.06	0.31	0.31	1.23	17.70	2981.84	2981.84	5569.52	-2587.68
112+10.000	951.069	951.048	5.00	0.68	3.69	3.69	0.19	7.07	2985.53	2985.53	5576.59	-2591.06
113+0.000	950.761	950.949	5.00	1.60	11.39	11.39	0.00	0.94	2996.92	2996.92	5577.54	-2580.61
113+10.000	950.453	950.814	5.00	1.80	17.03	17.03	0.00	0.00	3013.95	3013.95	5577.54	-2563.58


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114+0.000	950.145	950.426	5.00	2.10	19.72	19.72	0.00	0.00	3033.67	3033.67	5577.54	-2543.86
114+10.00 0	949.837	949.896	5.00	1.71	19.05	19.05	0.02	0.08	3052.73	3052.73	5577.61	-2524.89
115+0.000	949.529	949.368	5.00	0.82	12.62	12.62	0.18	0.99	3065.35	3065.35	5578.60	-2513.25
115+10.00 0	949.222	948.848	5.00	0.09	4.55	4.55	0.89	5.38	3069.90	3069.90	5583.98	-2514.08
116+0.000	948.914	948.441	5.00	0.00	0.47	0.47	1.57	12.31	3070.38	3070.38	5596.29	-2525.91
116+10.00 0	948.606	948.141	5.00	0.00	0.00	0.00	1.96	17.63	3070.38	3070.38	5613.92	-2543.54
117+0.000	948.298	947.942	5.00	0.03	0.16	0.16	1.60	17.79	3070.53	3070.53	5631.70	-2561.17
117+10.00 0	947.990	947.743	5.00	0.17	1.01	1.01	1.06	13.28	3071.54	3071.54	5644.98	-2573.44
118+0.000	947.682	947.544	5.00	0.40	2.86	2.86	0.74	8.99	3074.40	3074.40	5653.97	-2579.57
118+10.00 0	947.375	947.301	5.00	0.59	4.95	4.95	0.61	6.74	3079.35	3079.35	5660.71	-2581.36
119+0.000	947.067	947.010	5.00	0.24	4.12	4.12	0.58	5.96	3083.47	3083.47	5666.67	-2583.19
119+10.00 0	946.759	946.441	5.00	0.00	1.18	1.18	1.56	10.73	3084.65	3084.65	5677.39	-2592.74
120+0.000	946.451	945.752	5.00	0.00	0.00	0.00	4.20	28.79	3084.65	3084.65	5706.18	-2621.53
120+10.00 0	946.143	945.077	5.00	0.00	0.00	0.00	7.08	56.93	3084.65	3084.65	5763.11	-2678.46
121+0.000	945.835	944.631	5.00	0.00	0.00	0.00	8.66	78.97	3084.65	3084.65	5842.08	-2757.42
121+10.00 0	945.527	944.354	5.00	0.00	0.00	0.00	8.28	85.39	3084.65	3084.65	5927.47	-2842.81
122+0.000	945.220	944.130	5.00	0.00	0.00	0.00	7.35	78.02	3084.65	3084.65	6005.49	-2920.84
122+10.00 0	944.912	943.947	5.00	0.00	0.00	0.00	5.48	64.13	3084.65	3084.65	6069.62	-2984.96
123+0.000	944.604	943.764	5.00	0.12	0.62	0.62	3.60	45.41	3085.27	3085.27	6115.02	-3029.75
123+10.00 0	944.296	943.577	5.00	1.45	8.08	8.08	1.44	25.66	3093.35	3093.35	6140.68	-3047.33
124+0.000	943.988	944.401	5.00	6.18	38.02	38.02	0.00	7.20	3131.37	3131.37	6147.89	-3016.52
124+10.00 0	943.680	945.229	5.00	13.82	99.96	99.96	0.00	0.00	3231.33	3231.33	6147.89	-2916.56
125+0.000	943.375	946.058	5.00	21.33	175.73	175.73	0.00	0.00	3407.06	3407.06	6147.89	-2740.82
125+10.00 0	943.125	944.258	5.00	6.12	141.52	141.52	0.09	0.45	3548.58	3548.58	6148.33	-2599.75
126+0.000	942.949	942.641	5.00	0.00	30.62	30.62	1.68	8.89	3579.20	3579.20	6157.23	-2578.03
126+10.00 0	942.847	942.149	5.00	0.00	0.00	0.00	4.08	28.84	3579.20	3579.20	6186.06	-2606.86
127+0.000	942.817	941.986	5.00	0.00	0.00	0.00	5.97	50.42	3579.20	3579.20	6236.48	-2657.28
127+10.00 0	942.805	941.797	5.00	0.00	0.00	0.00	7.15	65.61	3579.20	3579.20	6302.09	-2722.89
128+0.000	942.794	941.692	5.00	0.00	0.00	0.00	8.03	75.91	3579.20	3579.20	6378.00	-2798.80
128+10.00 0	942.782	941.587	5.00	0.00	0.00	0.00	8.98	85.04	3579.20	3579.20	6463.04	-2883.85
129+0.000	942.771	941.481	5.00	0.00	0.00	0.00	10.18	95.77	3579.20	3579.20	6558.81	-2979.62
129+10.00 0	942.759	941.430	5.00	0.00	0.00	0.00	10.68	104.37	3579.20	3579.20	6663.19	-3083.99
130+0.000	942.747	941.390	5.00	0.00	0.00	0.00	11.01	108.43	3579.20	3579.20	6771.61	-3192.42
130+10.00 0	942.735	941.354	5.00	0.00	0.00	0.00	11.24	111.23	3579.20	3579.20	6882.84	-3303.64
131+0.000	942.710	941.276	5.00	0.00	0.00	0.00	11.52	114.05	3579.20	3579.20	6996.89	-3417.69
131+10.00 0	942.670	941.263	5.00	0.00	0.00	0.00	11.73	113.01	3579.20	3579.20	7109.90	-3530.70
132+0.000	942.610	941.396	5.00	0.00	0.00	0.00	10.57	111.51	3579.20	3579.20	7221.41	-3642.21
132+10.00 0	942.534	941.499	5.00	0.00	0.00	0.00	9.60	99.18	3579.20	3579.20	7320.59	-3741.39
133+0.000	942.452	941.577	5.00	0.00	0.00	0.00	8.90	92.49	3579.20	3579.20	7413.07	-3833.88
133+10.00 0	942.370	941.737	5.00	0.00	0.00	0.00	7.61	82.54	3579.20	3579.20	7495.61	-3916.41
134+0.000	942.189	941.886	5.00	0.00	0.00	0.00	4.95	62.78	3579.20	3579.20	7558.39	-3979.20
134+10.00 0	941.820	941.880	5.00	0.47	2.45	2.45	2.03	32.37	3581.64	3581.64	7590.76	-4009.12
135+0.000	941.262	941.315	5.00	0.44	4.52	4.52	2.36	21.95	3586.17	3586.17	7612.72	-4026.55
135+10.00 0	940.516	940.501	5.00	0.27	3.56	3.56	1.67	19.93	3589.73	3589.73	7632.65	-4042.92
136+0.000	939.681	939.526	5.00	0.00	1.36	1.36	0.57	11.23	3591.08	3591.08	7643.88	-4052.79


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136+10.00 0	938.846	938.817	5.00	0.19	0.96	0.96	0.04	3.06	3592.04	3592.04	7646.93	-4054.89
137+0.000	938.011	938.054	5.00	0.69	4.40	4.40	0.00	0.18	3596.45	3596.45	7647.12	-4050.67
137+10.00 0	937.176	937.248	5.00	0.87	7.81	7.81	0.00	0.00	3604.26	3604.26	7647.12	-4042.86
138+0.000	936.443	936.442	5.00	0.37	6.21	6.21	0.00	0.00	3610.47	3610.47	7647.12	-4036.65
138+10.00 0	935.912	935.438	5.00	0.00	1.86	1.86	2.53	12.64	3612.32	3612.32	7659.76	-4047.44
139+0.000	935.583	934.580	5.00	0.00	0.00	0.00	7.41	49.72	3612.32	3612.32	7709.48	-4097.16
139+10.00 0	935.457	934.181	5.00	0.00	0.00	0.00	8.73	80.72	3612.32	3612.32	7790.21	-4177.89
140+0.000	935.431	934.050	5.00	0.00	0.00	0.00	9.95	94.59	3612.32	3612.32	7884.80	-4272.47
140+10.00 0	935.406	933.994	5.00	0.00	0.00	0.00	10.37	101.57	3612.32	3612.32	7986.37	-4374.04
141+0.000	935.381	933.938	5.00	0.00	0.00	0.00	10.84	106.03	3612.32	3612.32	8092.40	-4480.07
141+10.00 0	935.368	933.882	5.00	0.00	0.00	0.00	11.48	111.61	3612.32	3612.32	8204.00	-4591.68
142+0.000	935.369	933.861	5.00	0.00	0.00	0.00	11.77	116.28	3612.32	3612.32	8320.28	-4707.96
142+10.00 0	935.383	933.891	5.00	0.00	0.00	0.00	11.34	115.55	3612.32	3612.32	8435.83	-4823.50
143+0.000	935.409	934.077	5.00	0.00	0.00	0.00	10.67	110.27	3612.32	3612.32	8546.10	-4933.77
143+10.00 0	935.438	934.316	5.00	0.00	0.00	0.00	11.44	110.68	3612.32	3612.32	8656.78	-5044.45
144+0.000	935.467	934.607	5.00	0.00	0.00	0.00	10.11	107.77	3612.32	3612.32	8764.55	-5152.22
144+10.00 0	935.496	935.051	5.00	0.00	0.00	0.00	6.20	82.16	3612.32	3612.32	8846.70	-5234.38
145+0.000	935.432	935.476	5.00	0.33	1.65	1.65	1.82	40.13	3613.98	3613.98	8886.83	-5272.85
145+10.00 0	935.074	935.813	5.00	4.32	23.25	23.25	0.00	9.10	3637.23	3637.23	8895.93	-5258.71
146+0.000	934.416	935.305	5.00	6.27	52.15	52.15	0.00	0.00	3689.38	3689.38	8895.93	-5206.55
146+10.00 0	933.458	934.569	5.00	8.63	74.53	74.53	0.00	0.00	3763.91	3763.91	8895.93	-5132.02
147+0.000	932.293	933.833	5.00	13.40	110.19	110.19	0.00	0.00	3874.10	3874.10	8895.93	-5021.83
147+10.00 0	931.121	932.962	5.00	19.42	168.94	168.94	0.00	0.00	4043.05	4043.05	8895.93	-4852.89
148+0.000	929.949	931.613	5.00	16.22	182.73	182.73	0.00	0.00	4225.77	4225.77	8895.93	-4670.16
148+10.00 0	928.778	929.855	5.00	9.35	128.00	128.00	0.00	0.00	4353.78	4353.78	8895.93	-4542.16
149+0.000	927.606	928.097	5.00	3.84	65.97	65.97	0.00	0.00	4419.74	4419.74	8895.93	-4476.19
149+10.00 0	926.434	926.338	5.00	0.00	19.22	19.22	0.31	1.57	4438.96	4438.96	8897.51	-4458.55
150+0.000	925.327	924.651	5.00	0.00	0.00	0.00	4.07	21.91	4438.96	4438.96	8919.42	-4480.46
150+10.00 0	924.495	923.574	5.00	0.00	0.00	0.00	5.81	49.37	4438.96	4438.96	8968.79	-4529.83
151+0.000	923.954	923.194	5.00	0.00	0.00	0.00	5.36	55.85	4438.96	4438.96	9024.64	-4585.68
151+10.00 0	923.704	922.896	5.00	0.00	0.00	0.00	5.81	55.86	4438.96	4438.96	9080.50	-4641.54
152+0.000	923.679	922.572	5.00	0.00	0.00	0.00	8.88	73.44	4438.96	4438.96	9153.94	-4714.98
152+10.00 0	923.674	922.048	5.00	0.00	0.00	0.00	12.31	105.97	4438.96	4438.96	9259.91	-4820.95
153+0.000	923.671	922.124	5.00	0.00	0.00	0.00	13.29	123.99	4438.96	4438.96	9383.90	-4944.93
153+10.00 0	923.672	922.310	5.00	0.00	0.00	0.00	9.85	115.96	4438.96	4438.96	9499.85	-5060.89
154+0.000	923.675	922.746	5.00	0.00	0.00	0.00	6.26	79.57	4438.96	4438.96	9579.42	-5140.46
154+10.00 0	923.705	923.140	5.00	0.00	0.00	0.00	3.27	47.64	4438.96	4438.96	9627.06	-5188.10
155+0.000	923.866	923.533	5.00	0.00	0.00	0.00	1.59	24.27	4438.96	4438.96	9651.33	-5212.37
155+10.00 0	924.170	923.926	5.00	0.03	0.15	0.15	0.97	12.76	4439.11	4439.11	9664.09	-5224.98
156+0.000	924.618	924.335	5.00	0.00	0.16	0.16	1.20	10.81	4439.28	4439.28	9674.89	-5235.62
156+10.00 0	925.183	924.783	5.00	0.00	0.02	0.02	2.20	16.97	4439.29	4439.29	9691.86	-5252.57
157+0.000	925.760	924.947	5.00	0.00	0.00	0.00	4.89	36.04	4439.29	4439.29	9727.90	-5288.61
157+10.00 0	926.336	925.714	5.00	0.00	0.00	0.00	3.45	41.70	4439.29	4439.29	9769.61	-5330.32
158+0.000	926.913	926.782	5.00	0.08	0.38	0.38	0.47	19.61	4439.67	4439.67	9789.22	-5349.55
158+10.00 0	927.490	928.089	5.00	4.52	22.98	22.98	0.00	2.37	4462.65	4462.65	9791.59	-5328.94


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159+0.000	928.067	929.560	5.00	13.23	88.74	88.74	0.00	0.00	4551.39	4551.39	9791.59	-5240.20
159+10.00 0	928.643	930.582	5.00	17.36	152.76	152.76	0.00	0.00	4704.15	4704.15	9791.59	-5087.44
160+0.000	929.220	930.898	5.00	14.94	162.40	162.40	0.00	0.00	4866.55	4866.55	9791.59	-4925.04
160+10.00 0	929.797	931.126	5.00	11.04	131.89	131.89	0.00	0.00	4998.44	4998.44	9791.59	-4793.15
161+0.000	930.374	931.314	5.00	7.10	90.66	90.66	0.00	0.00	5089.10	5089.10	9791.59	-4702.49
161+10.00 0	930.949	931.502	5.00	3.73	54.14	54.14	0.00	0.00	5143.24	5143.24	9791.59	-4648.35
162+0.000	931.459	931.691	5.00	1.36	25.45	25.45	0.00	0.00	5168.69	5168.69	9791.60	-4622.91
162+10.00 0	931.871	931.879	5.00	0.22	7.89	7.89	0.41	2.07	5176.58	5176.58	9793.67	-4617.09
163+0.000	932.185	932.056	5.00	0.00	1.12	1.12	1.00	7.01	5177.70	5177.70	9800.68	-4622.99
163+10.00 0	932.403	932.209	5.00	0.00	0.00	0.00	1.45	12.29	5177.70	5177.70	9812.97	-4635.27
164+0.000	932.589	932.362	5.00	0.00	0.00	0.00	1.68	15.70	5177.70	5177.70	9828.67	-4650.97
164+10.00 0	932.774	932.515	5.00	0.00	0.00	0.00	1.94	18.13	5177.70	5177.70	9846.80	-4669.10
165+0.000	932.959	932.668	5.00	0.00	0.00	0.00	2.27	21.05	5177.70	5177.70	9867.85	-4690.15
165+10.00 0	933.144	932.769	5.00	0.00	0.00	0.00	2.16	22.21	5177.70	5177.70	9890.06	-4712.37
166+0.000	933.329	932.689	5.00	0.00	0.00	0.00	3.89	30.25	5177.70	5177.70	9920.31	-4742.62
166+10.00 0	933.514	932.609	5.00	0.00	0.00	0.00	6.06	49.79	5177.70	5177.70	9970.10	-4792.41
167+0.000	933.694	932.529	5.00	0.00	0.00	0.00	8.50	72.83	5177.70	5177.70	10042.94	-4865.24
167+10.00 0	933.835	932.504	5.00	0.00	0.00	0.00	10.12	92.97	5177.70	5177.70	10135.91	-4958.22
168+0.000	933.932	932.533	5.00	0.00	0.00	0.00	11.15	106.35	5177.70	5177.70	10242.26	-5064.56
168+10.00 0	933.984	932.561	5.00	0.00	0.00	0.00	11.46	113.04	5177.70	5177.70	10355.30	-5177.61
169+0.000	933.997	932.594	5.00	0.00	0.00	0.00	11.28	113.72	5177.70	5177.70	10469.02	-5291.32
169+10.00 0	934.004	932.635	5.00	0.00	0.00	0.00	10.92	111.00	5177.70	5177.70	10580.01	-5402.32
170+0.000	934.011	932.766	5.00	0.00	0.00	0.00	9.87	104.31	5177.70	5177.70	10684.32	-5506.62
170+10.00 0	934.019	932.872	5.00	0.00	0.00	0.00	8.71	92.89	5177.70	5177.70	10777.21	-5599.52
171+0.000	934.026	932.939	5.00	0.00	0.00	0.00	7.93	83.21	5177.70	5177.70	10860.42	-5682.73
171+10.00 0	934.033	933.051	5.00	0.00	0.00	0.00	6.96	74.45	5177.70	5177.70	10934.87	-5757.18
172+0.000	934.040	933.176	5.00	0.00	0.00	0.00	5.87	64.35	5177.70	5177.70	10999.22	-5821.53
172+10.00 0	934.048	933.369	5.00	0.00	0.00	0.00	4.45	51.69	5177.70	5177.70	11050.91	-5873.22
173+0.000	934.055	933.564	5.00	0.00	0.00	0.00	2.96	37.02	5177.70	5177.70	11087.94	-5910.24
173+10.00 0	934.063	933.764	5.00	0.00	0.00	0.00	1.27	21.11	5177.70	5177.70	11109.05	-5931.35
174+0.000	934.152	934.110	5.00	0.52	2.59	2.59	0.04	6.50	5180.29	5180.29	11115.55	-5935.26
174+10.00 0	934.379	934.561	5.00	2.60	15.54	15.54	0.00	0.18	5195.83	5195.83	11115.72	-5919.89
175+0.000	934.744	935.114	5.00	3.57	30.84	30.84	0.00	0.00	5226.67	5226.67	11115.72	-5889.05
175+10.00 0	935.247	935.615	5.00	3.94	37.56	37.56	0.00	0.00	5264.23	5264.23	11115.72	-5851.49
176+0.000	935.806	936.223	5.00	4.47	41.57	41.57	0.00	0.00	5305.80	5305.80	11115.72	-5809.92
176+10.00 0	936.364	936.999	5.00	6.39	54.26	54.26	0.00	0.00	5360.06	5360.06	11115.72	-5755.66
177+0.000	936.923	937.885	5.00	9.25	77.94	77.94	0.00	0.00	5438.00	5438.00	11115.72	-5677.72
177+10.00 0	937.482	938.746	5.00	11.60	104.24	104.24	0.00	0.00	5542.24	5542.24	11115.72	-5573.48
178+0.000	938.041	939.499	5.00	12.44	120.21	120.21	0.00	0.00	5662.45	5662.45	11115.72	-5453.27
178+10.00 0	938.600	940.135	5.00	13.01	127.43	127.43	0.00	0.00	5789.88	5789.88	11115.72	-5325.84
179+0.000	939.159	940.729	5.00	13.60	133.21	133.21	0.00	0.00	5923.09	5923.09	11115.72	-5192.63
179+10.00 0	939.718	941.324	5.00	14.24	139.21	139.21	0.00	0.00	6062.30	6062.30	11115.72	-5053.42
180+0.000	940.277	941.843	5.00	13.97	141.52	141.52	0.00	0.00	6203.83	6203.83	11115.72	-4911.90
180+10.00 0	940.836	942.313	5.00	12.84	134.60	134.60	0.00	0.00	6338.43	6338.43	11115.72	-4777.29
181+0.000	941.395	942.782	5.00	11.50	121.67	121.67	0.00	0.00	6460.10	6460.10	11115.72	-4655.62


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181+10.00 0	941.954	943.166	5.00	9.93	107.14	107.14	0.00	0.00	6567.24	6567.24	11115.7 2	-4548.49
182+0.000	942.513	943.480	5.00	8.39	91.61	91.61	0.00	0.00	6658.84	6658.84	11115.7 2	-4456.88
182+10.00 0	943.072	944.259	5.00	10.64	95.17	95.17	0.00	0.00	6754.01	6754.01	11115.7 2	-4361.71
183+0.000	943.630	944.862	5.00	10.75	107.01	107.01	0.00	0.00	6861.02	6861.02	11115.7 2	-4254.71
183+10.00 0	944.189	945.209	5.00	8.16	94.63	94.63	0.00	0.00	6955.65	6955.65	11115.7 2	-4160.08
184+0.000	944.748	945.363	5.00	4.57	63.77	63.77	0.00	0.00	7019.42	7019.42	11115.7 2	-4096.30
184+10.00 0	945.307	945.465	5.00	1.74	31.54	31.54	0.00	0.00	7050.97	7050.97	11115.7 2	-4064.76
185+0.000	945.866	945.585	5.00	0.49	11.13	11.13	0.83	4.17	7062.10	7062.10	11119.9 0	-4057.80
185+10.00 0	946.425	945.800	5.00	0.12	3.04	3.04	2.32	15.90	7065.14	7065.14	11135.8 0	-4070.67
186+0.000	946.984	946.190	5.00	0.00	0.61	0.61	3.27	28.28	7065.74	7065.74	11164.0 8	-4098.34
186+10.00 0	947.543	947.119	5.00	0.00	0.00	0.00	1.96	26.17	7065.74	7065.74	11190.2 5	-4124.51
187+0.000	948.102	947.542	5.00	0.00	0.00	0.00	3.55	27.54	7065.74	7065.74	11217.8 0	-4152.05
187+10.00 0	948.661	947.805	5.00	0.00	0.00	0.00	6.01	47.77	7065.74	7065.74	11265.5 7	-4199.82
188+0.000	949.220	948.336	5.00	0.00	0.00	0.00	6.26	61.34	7065.74	7065.74	11326.9 1	-4261.16
188+10.00 0	949.779	949.001	5.00	0.00	0.00	0.00	5.28	57.69	7065.74	7065.74	11384.6 0	-4318.85
189+0.000	950.338	949.730	5.00	0.00	0.00	0.00	4.52	48.99	7065.74	7065.74	11433.5 9	-4367.85
189+10.00 0	950.897	950.217	5.00	0.00	0.00	0.00	4.80	46.52	7065.74	7065.74	11480.1 1	-4414.37
190+0.000	951.455	950.627	5.00	0.00	0.00	0.00	5.31	50.48	7065.74	7065.74	11530.5 9	-4464.84
190+10.00 0	952.014	951.326	5.00	0.00	0.00	0.00	4.16	47.35	7065.74	7065.74	11577.9 4	-4512.20
191+0.000	952.573	952.225	5.00	0.00	0.00	0.00	1.79	29.74	7065.74	7065.74	11607.6 8	-4541.94
191+10.00 0	953.132	953.280	5.00	1.41	7.06	7.06	0.00	8.94	7072.81	7072.81	11616.6 2	-4543.82
192+0.000	953.691	953.979	5.00	2.62	20.16	20.16	0.00	0.00	7092.96	7092.96	11616.6 2	-4523.66
192+10.00 0	954.250	954.774	5.00	4.54	35.86	35.86	0.00	0.00	7128.82	7128.82	11616.6 2	-4487.80
193+0.000	954.809	955.704	5.00	8.09	63.14	63.14	0.00	0.00	7191.96	7191.96	11616.6 2	-4424.66
193+10.00 0	955.368	956.412	5.00	9.84	89.76	89.76	0.00	0.00	7281.72	7281.72	11616.6 2	-4334.90
194+0.000	955.927	956.916	5.00	9.55	96.84	96.84	0.00	0.00	7378.56	7378.56	11616.6 2	-4238.06
194+10.00 0	956.458	957.076	5.00	5.72	76.34	76.34	0.00	0.00	7454.90	7454.90	11616.6 2	-4161.72
195+0.000	956.759	956.797	5.00	0.97	33.42	33.42	0.00	0.00	7488.32	7488.32	11616.6 2	-4128.30
195+10.00 0	956.790	956.388	5.00	0.00	4.86	4.86	1.97	9.86	7493.19	7493.19	11626.4 8	-4133.29
196+0.000	956.553	955.916	5.00	0.00	0.00	0.00	3.56	27.68	7493.19	7493.19	11654.1 5	-4160.97
196+10.00 0	956.200	955.480	5.00	0.00	0.00	0.00	3.73	36.42	7493.19	7493.19	11690.5 7	-4197.39
197+0.000	955.847	955.155	5.00	0.00	0.00	0.00	3.24	35.10	7493.19	7493.19	11725.6 7	-4232.49
197+10.00 0	955.494	955.182	5.00	0.04	0.18	0.18	1.14	21.90	7493.36	7493.36	11747.5 7	-4254.21
198+0.000	955.141	954.956	5.00	0.12	0.77	0.77	0.59	8.62	7494.13	7494.13	11756.1 9	-4262.06
198+10.00 0	954.788	954.606	5.00	0.11	1.13	1.13	0.59	5.88	7495.26	7495.26	11762.0 7	-4266.81
199+0.000	954.435	954.229	5.00	0.05	0.80	0.80	0.74	6.65	7496.06	7496.06	11768.7 2	-4272.65
199+10.00 0	954.083	953.942	5.00	0.15	1.01	1.01	0.41	5.74	7497.07	7497.07	11774.4 6	-4277.39
200+0.000	953.730	953.711	5.00	0.51	3.33	3.33	0.01	2.09	7500.40	7500.40	11776.5 5	-4276.14
200+10.00 0	953.377	953.441	5.00	1.23	8.75	8.75	0.00	0.06	7509.16	7509.16	11776.6 0	-4267.45
201+0.000	953.024	953.174	5.00	1.88	15.55	15.55	0.00	0.00	7524.70	7524.70	11776.6 0	-4251.90
201+10.00 0	952.671	952.932	5.00	2.74	23.00	23.00	0.00	0.00	7547.71	7547.71	11776.6 0	-4228.90
202+0.000	952.318	952.775	5.00	4.36	35.49	35.49	0.00	0.00	7583.20	7583.20	11776.6 0	-4193.40
202+10.00 0	951.965	952.483	5.00	4.90	46.28	46.28	0.00	0.00	7629.48	7629.48	11776.6 0	-4147.12
203+0.000	951.612	952.116	5.00	4.78	48.26	48.26	0.00	0.00	7677.74	7677.74	11776.6 0	-4098.86
203+10.00 0	951.259	951.630	5.00	3.54	41.56	41.56	0.00	0.00	7719.30	7719.30	11776.6 0	-4057.30


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204+0.000	950.906	951.178	5.00	2.73	31.35	31.35	0.00	0.00	7750.65	7750.65	11776.60	-4025.96
204+10.000	950.553	950.751	5.00	2.21	24.75	24.75	0.00	0.00	7775.40	7775.40	11776.60	-4001.21
205+0.000	950.200	950.303	5.00	1.48	18.44	18.44	0.00	0.00	7793.84	7793.84	11776.60	-3982.76
205+10.000	949.847	949.770	5.00	0.30	8.92	8.92	0.11	0.56	7802.76	7802.76	11777.16	-3974.41
206+0.000	949.494	949.148	5.00	0.00	1.51	1.51	1.53	8.22	7804.26	7804.26	11785.39	-3981.12
206+10.000	949.142	948.526	5.00	0.00	0.00	0.00	3.43	24.83	7804.26	7804.26	11810.22	-4005.95
207+0.000	948.789	947.904	5.00	0.00	0.00	0.00	5.60	45.18	7804.26	7804.26	11855.40	-4051.13
207+10.000	948.436	947.282	5.00	0.00	0.00	0.00	8.04	68.23	7804.26	7804.26	11923.62	-4119.36
208+0.000	948.083	947.029	5.00	0.00	0.00	0.00	6.77	73.94	7804.26	7804.26	11997.56	-4193.30
208+10.000	947.730	947.429	5.00	0.11	0.56	0.56	1.15	39.61	7804.83	7804.83	12037.17	-4232.35
209+0.000	947.377	947.241	5.00	0.20	1.54	1.54	0.35	7.52	7806.36	7806.36	12044.69	-4238.33
209+10.000	947.024	946.950	5.00	0.35	2.69	2.69	0.12	2.35	7809.06	7809.06	12047.04	-4237.98
210+0.000	946.671	946.686	5.00	0.89	6.22	6.22	0.00	0.59	7815.28	7815.28	12047.63	-4232.35
210+10.000	946.318	946.255	5.00	0.36	6.25	6.25	0.08	0.39	7821.53	7821.53	12048.02	-4226.50
211+0.000	945.965	945.775	5.00	0.07	2.17	2.17	0.61	3.44	7823.69	7823.69	12051.46	-4227.76
211+10.000	945.612	945.306	5.00	0.00	0.36	0.36	1.28	9.45	7824.06	7824.06	12060.91	-4236.85
212+0.000	945.259	944.837	5.00	0.00	0.00	0.00	2.05	16.68	7824.06	7824.06	12077.59	-4253.53
212+10.000	944.916	944.509	5.00	0.00	0.00	0.00	1.93	19.97	7824.06	7824.06	12097.56	-4273.50
213+0.000	944.646	944.234	5.00	0.00	0.00	0.00	1.95	19.40	7824.06	7824.06	12116.96	-4292.90
213+10.000	944.460	944.000	5.00	0.00	0.00	0.00	2.25	21.00	7824.06	7824.06	12137.96	-4313.90
214+0.000	944.359	943.796	5.00	0.00	0.00	0.00	2.92	25.81	7824.06	7824.06	12163.77	-4339.71
214+10.000	944.333	943.612	5.00	0.00	0.00	0.00	4.15	35.27	7824.06	7824.06	12199.04	-4374.98
215+0.000	944.320	943.474	5.00	0.00	0.00	0.00	5.61	48.82	7824.06	7824.06	12247.86	-4423.80
215+10.000	944.306	943.336	5.00	0.00	0.00	0.00	7.02	63.18	7824.06	7824.06	12311.03	-4486.98
216+0.000	944.292	943.198	5.00	0.00	0.00	0.00	8.42	77.23	7824.06	7824.06	12388.26	-4564.21
216+10.000	944.278	943.066	5.00	0.00	0.00	0.00	9.60	90.34	7824.06	7824.06	12478.61	-4654.55
217+0.000	944.264	943.030	5.00	0.00	0.00	0.00	10.06	98.32	7824.06	7824.06	12576.92	-4752.86
217+10.000	944.250	942.986	5.00	0.00	0.00	0.00	10.16	101.13	7824.06	7824.06	12678.05	-4853.99
218+0.000	944.236	943.245	5.00	0.00	0.00	0.00	9.12	96.24	7824.06	7824.06	12774.29	-4950.23
218+10.000	944.222	942.930	5.00	0.00	0.00	0.00	10.02	95.69	7824.06	7824.06	12869.98	-5045.92
219+0.000	944.209	942.978	5.00	0.00	0.00	0.00	8.27	86.08	7824.06	7824.06	12956.06	-5132.00
219+10.000	944.195	943.180	5.00	0.00	0.00	0.00	6.20	72.34	7824.06	7824.06	13028.40	-5204.34
220+0.000	944.181	943.382	5.00	0.00	0.00	0.00	4.34	52.69	7824.06	7824.06	13081.09	-5257.03
220+10.000	944.168	943.606	5.00	0.00	0.00	0.00	2.43	33.91	7824.06	7824.06	13115.00	-5290.94
221+0.000	944.154	943.796	5.00	0.23	1.14	1.14	0.78	16.07	7825.20	7825.20	13131.07	-5305.87
221+10.000	944.140	943.993	5.00	1.23	7.29	7.29	0.22	5.01	7832.49	7832.49	13136.08	-5303.59
222+0.000	944.186	944.197	5.00	1.96	15.98	15.98	0.00	1.12	7848.47	7848.47	13137.21	-5288.74
222+10.000	944.760	944.821	5.00	0.83	13.95	13.95	0.00	0.00	7862.42	7862.42	13137.21	-5274.79
222+17,54	945.853	946.052	4.62	1.69	11.55	11.55	0.00	0.00	7873.97	7873.97	13137.21	-5263.24


Relatório de Volumes

RAMAL CURRALINHO A SUSSUANHA-TRECHO 02


Estaca Inicial: 13+10

Estaca Final: 152+12.332


Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
13+10.000	902.414	902.860	5,00	2,89	28,36	28,36	0,00	0,00	0,00	0,00	0,00	0,00
14+0.000	902.808	903.189	5,00	2,74	28,30	28,30	0,00	0,00	99,21	99,21	0,00	99,21
14+10.000	903.202	903.523	5,00	2,27	25,14	25,14	0,00	0,00	124,35	124,35	0,00	124,35
15+0.000	903.596	903.869	5,00	1,95	21,23	21,23	0,00	0,00	145,58	145,58	0,00	145,58
15+10.000	903.990	904.234	5,00	1,64	17,97	17,97	0,00	0,00	163,55	163,55	0,00	163,55
16+0.000	904.384	904.337	5,00	0,04	8,44	8,44	0,36	1,81	171,99	171,99	1,81	170,18
16+10.000	904.739	904.523	5,00	0,00	0,20	0,20	1,20	7,84	172,19	172,19	9,65	162,54
17+0.000	905.029	904.862	5,00	0,00	0,00	0,00	0,91	10,57	172,19	172,19	20,22	151,97
17+10.000	905.253	905.096	5,00	0,00	0,00	0,00	0,95	9,36	172,19	172,19	29,58	142,61
18+0.000	905.413	905.323	5,00	0,00	0,00	0,00	0,48	7,22	172,19	172,19	36,80	135,39
18+10.000	905.507	905.594	5,00	0,59	2,95	2,95	0,00	2,39	175,14	175,14	39,19	135,95
19+0.000	905.536	905.692	5,00	1,10	8,41	8,41	0,00	0,00	183,55	183,55	39,19	144,36
19+10.000	905.500	905.689	5,00	1,44	12,76	12,76	0,00	0,00	196,31	196,31	39,19	157,12
20+0.000	905.404	905.493	5,00	1,12	12,83	12,83	0,00	0,00	209,15	209,15	39,19	169,96
20+10.000	905.297	905.370	5,00	0,86	9,90	9,90	0,00	0,00	219,05	219,05	39,19	179,86
21+0.000	905.190	905.284	5,00	0,96	9,06	9,06	0,00	0,00	228,11	228,11	39,19	188,92
21+10.000	905.098	905.208	5,00	1,08	10,19	10,19	0,00	0,00	238,29	238,29	39,19	199,10
22+0.000	905.045	905.136	5,00	1,00	10,37	10,37	0,00	0,00	248,66	248,66	39,19	209,47
22+10.000	905.030	905.069	5,00	0,70	8,46	8,46	0,00	0,00	257,13	257,13	39,19	217,94
23+0.000	905.053	905.074	5,00	0,54	6,21	6,21	0,00	0,00	263,34	263,34	39,19	224,15
23+10.000	905.115	905.118	5,00	0,56	5,56	5,56	0,00	0,00	268,89	268,89	39,19	229,70
24+0.000	905.215	905.204	5,00	0,12	3,41	3,41	0,03	0,13	272,30	272,30	39,32	232,98
24+10.000	905.353	905.306	5,00	0,04	0,78	0,78	0,18	1,02	273,08	273,08	40,34	232,74
25+0.000	905.530	905.421	5,00	0,00	0,18	0,18	0,49	3,34	273,26	273,26	43,68	229,58
25+10.000	905.745	905.556	5,00	0,00	0,00	0,00	0,95	7,24	273,26	273,26	50,92	222,34
26+0.000	905.998	905.797	5,00	0,00	0,00	0,00	0,98	9,68	273,26	273,26	60,60	212,66
26+10.000	906.290	906.055	5,00	0,00	0,00	0,00	1,20	10,90	273,26	273,26	71,50	201,76
27+0.000	906.604	906.314	5,00	0,00	0,00	0,00	1,57	13,86	273,26	273,26	85,36	187,90
27+10.000	906.918	906.571	5,00	0,00	0,00	0,00	1,97	17,71	273,26	273,26	103,07	170,19
28+0.000	907.232	906.817	5,00	0,00	0,00	0,00	2,46	22,16	273,26	273,26	125,23	148,03
28+10.000	907.546	907.127	5,00	0,00	0,00	0,00	2,41	24,37	273,26	273,26	149,60	123,66
29+0.000	907.860	907.486	5,00	0,00	0,00	0,00	2,09	22,53	273,26	273,26	172,13	101,13
29+10.000	908.174	907.845	5,00	0,00	0,00	0,00	1,78	19,35	273,26	273,26	191,48	81,78
30+0.000	908.488	908.270	5,00	0,00	0,00	0,00	0,94	13,60	273,26	273,26	205,08	68,18
30+10.000	908.802	908.789	5,00	0,32	1,62	1,62	0,00	4,73	274,88	274,88	209,81	65,07
31+0.000	909.116	909.258	5,00	1,34	8,34	8,34	0,00	0,02	283,23	283,23	209,83	73,40
31+10.000	909.430	909.693	5,00	2,16	17,51	17,51	0,00	0,00	300,74	300,74	209,83	90,91
32+0.000	909.744	910.084	5,00	2,70	24,27	24,27	0,00	0,00	325,01	325,01	209,83	115,18
32+10.000	910.058	910.457	5,00	3,19	29,44	29,44	0,00	0,00	354,46	354,46	209,83	144,63
33+0.000	910.372	910.791	5,00	3,27	32,32	32,32	0,00	0,00	386,78	386,78	209,83	176,95
33+10.000	910.686	911.051	5,00	2,85	30,60	30,60	0,00	0,00	417,37	417,37	209,83	207,54
34+0.000	911.000	911.324	5,00	2,54	26,94	26,94	0,00	0,00	444,31	444,31	209,83	234,48
34+10.000	911.314	911.623	5,00	2,57	25,53	25,53	0,00	0,00	469,83	469,83	209,83	260,00
35+0.000	911.628	912.046	5,00	3,41	29,87	29,87	0,00	0,00	499,71	499,71	209,83	289,88
35+10.000	911.942	912.353	5,00	2,84	31,25	31,25	0,00	0,00	530,96	530,96	209,83	321,13
36+0.000	912.256	912.579	5,00	1,92	23,86	23,86	0,00	0,00	554,82	554,82	209,83	344,99
36+10.000	912.570	912.699	5,00	0,66	12,89	12,89	0,02	0,09	567,71	567,71	209,92	357,79
37+0.000	912.850	912.757	5,00	0,00	3,33	3,33	0,74	3,75	571,05	571,05	213,67	357,38
37+10.000	913.072	912.768	5,00	0,00	0,00	0,00	1,82	12,82	571,05	571,05	226,49	344,56
38+0.000	913.233	912.838	5,00	0,00	0,00	0,00	2,50	21,64	571,05	571,05	248,13	322,92
38+10.000	913.335	912.895	5,00	0,00	0,00	0,00	2,93	27,16	571,05	571,05	275,29	295,76
39+0.000	913.411	912.934	5,00	0,00	0,00	0,00	3,14	30,32	571,05	571,05	305,61	265,44
39+10.000	913.486	912.993	5,00	0,00	0,00	0,00	3,24	31,88	571,05	571,05	337,49	233,56
40+0.000	913.561	913.056	5,00	0,00	0,00	0,00	3,29	32,68	571,05	571,05	370,17	200,88
40+10.000	913.637	913.123	5,00	0,00	0,00	0,00	3,26	32,76	571,05	571,05	402,93	168,12
41+0.000	913.712	913.218	5,00	0,00	0,00	0,00	3,10	31,81	571,05	571,05	434,74	136,31
41+10.000	913.788	913.314	5,00	0,00	0,00	0,00	2,96	30,33	571,05	571,05	465,07	105,98
42+0.000	913.863	913.403	5,00	0,00	0,00	0,00	2,84	28,98	571,05	571,05	494,05	77,00
42+10.000	913.939	913.479	5,00	0,00	0,00	0,00	2,75	27,94	571,05	571,05	521,99	49,06
43+0.000	914.014	913.553	5,00	0,00	0,00	0,00	2,73	27,41	571,05	571,05	549,40	21,65


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115+10.00 0	905.607	905.682	5,00	0,71	6,97	6,97	0,00	0,00	960,78	960,78	2453,62	-1492,84
116+0.000	905.437	905.517	5,00	0,70	7,02	7,02	0,00	0,00	967,80	967,80	2453,62	-1485,82
116+10.00 0	905.266	905.333	5,00	0,61	6,52	6,52	0,00	0,00	974,31	974,31	2453,62	-1479,31
117+0.000	905.095	905.143	5,00	0,51	5,60	5,60	0,00	0,00	979,91	979,91	2453,62	-1473,71
117+10.00 0	904.925	904.946	5,00	0,34	4,27	4,27	0,00	0,00	984,18	984,18	2453,62	-1469,44
118+0.000	904.754	904.726	5,00	0,05	1,95	1,95	0,04	0,21	986,13	986,13	2453,83	-1467,70
118+10.00 0	904.583	904.497	5,00	0,00	0,24	0,24	0,35	1,95	986,37	986,37	2455,78	-1469,41
119+0.000	904.413	904.271	5,00	0,00	0,00	0,00	0,69	5,21	986,37	986,37	2460,99	-1474,62
119+10.00 0	904.242	904.043	5,00	0,00	0,00	0,00	1,07	8,84	986,37	986,37	2469,83	-1483,46
120+0.000	904.071	903.811	5,00	0,00	0,00	0,00	1,54	13,09	986,37	986,37	2482,92	-1496,55
120+10.00 0	903.901	903.544	5,00	0,00	0,00	0,00	2,22	18,79	986,37	986,37	2501,71	-1515,34
121+0.000	903.730	903.297	5,00	0,00	0,00	0,00	2,73	24,71	986,37	986,37	2526,42	-1540,05
121+10.00 0	903.560	903.068	5,00	0,00	0,00	0,00	3,18	29,53	986,37	986,37	2555,95	-1569,58
122+0.000	903.389	902.837	5,00	0,00	0,00	0,00	3,65	34,13	986,37	986,37	2590,08	-1603,71
122+10.00 0	903.218	902.626	5,00	0,00	0,00	0,00	3,90	37,76	986,37	986,37	2627,84	-1641,47
123+0.000	903.048	902.440	5,00	0,00	0,00	0,00	4,03	39,69	986,37	986,37	2667,53	-1681,16
123+10.00 0	902.877	902.250	5,00	0,00	0,00	0,00	4,20	41,15	986,37	986,37	2708,68	-1722,31
124+0.000	902.706	902.046	5,00	0,00	0,00	0,00	4,47	43,37	986,37	986,37	2752,05	-1765,68
124+10.00 0	902.536	901.816	5,00	0,00	0,00	0,00	4,86	46,70	986,37	986,37	2798,75	-1812,38
125+0.000	902.365	901.626	5,00	0,00	0,00	0,00	5,08	49,73	986,37	986,37	2848,48	-1862,11
125+10.00 0	902.194	901.439	5,00	0,00	0,00	0,00	5,22	51,49	986,37	986,37	2899,97	-1913,60
126+0.000	902.024	901.232	5,00	0,00	0,00	0,00	5,41	53,11	986,37	986,37	2953,08	-1966,71
126+10.00 0	901.853	901.068	5,00	0,00	0,00	0,00	5,38	53,94	986,37	986,37	3007,02	-2020,65
127+0.000	901.683	900.909	5,00	0,00	0,00	0,00	5,29	53,35	986,37	986,37	3060,37	-2074,00
127+10.00 0	901.512	900.696	5,00	0,00	0,00	0,00	5,41	53,50	986,37	986,37	3113,87	-2127,50
128+0.000	901.341	900.502	5,00	0,00	0,00	0,00	5,51	54,63	986,37	986,37	3168,50	-2182,13
128+10.00 0	901.171	900.342	5,00	0,00	0,00	0,00	5,44	54,74	986,37	986,37	3223,24	-2236,87
129+0.000	901.000	900.401	5,00	0,00	0,00	0,00	4,49	49,64	986,37	986,37	3272,88	-2286,51
129+10.00 0	900.829	900.338	5,00	0,00	0,00	0,00	4,05	42,59	986,37	986,37	3315,47	-2329,10
130+0.000	900.659	900.167	5,00	0,00	0,00	0,00	4,03	40,31	986,37	986,37	3355,78	-2369,41
130+10.00 0	900.488	899.894	5,00	0,00	0,00	0,00	4,43	42,28	986,37	986,37	3398,06	-2411,69
131+0.000	900.317	899.620	5,00	0,00	0,00	0,00	4,82	46,25	986,37	986,37	3444,31	-2457,94
131+10.00 0	900.147	899.389	5,00	0,00	0,00	0,00	4,96	48,91	986,37	986,37	3493,22	-2506,85
132+0.000	899.976	899.244	5,00	0,00	0,00	0,00	4,75	48,53	986,37	986,37	3541,75	-2555,38
132+10.00 0	899.806	899.126	5,00	0,00	0,00	0,00	4,42	45,83	986,37	986,37	3587,58	-2601,21
133+0.000	899.635	899.012	5,00	0,00	0,00	0,00	4,07	42,50	986,37	986,37	3630,08	-2643,71
133+10.00 0	899.464	898.884	5,00	0,00	0,00	0,00	3,74	39,10	986,37	986,37	3669,18	-2682,81
134+0.000	899.294	898.756	5,00	0,00	0,00	0,00	3,40	35,71	986,37	986,37	3704,89	-2718,52
134+10.00 0	899.123	898.627	5,00	0,00	0,00	0,00	3,06	32,29	986,37	986,37	3737,18	-2750,81
135+0.000	898.952	898.493	5,00	0,00	0,00	0,00	2,77	29,15	986,37	986,37	3766,33	-2779,96
135+10.00 0	898.782	898.382	5,00	0,00	0,00	0,00	2,38	25,76	986,37	986,37	3792,09	-2805,72
136+0.000	898.611	898.277	5,00	0,00	0,00	0,00	1,96	21,73	986,37	986,37	3813,82	-2827,45
136+10.00 0	898.440	898.123	5,00	0,00	0,00	0,00	1,72	18,42	986,37	986,37	3832,24	-2845,87
137+0.000	898.270	897.990	5,00	0,00	0,00	0,00	1,49	16,09	986,37	986,37	3848,33	-2861,96
137+10.00 0	898.099	897.876	5,00	0,00	0,00	0,00	1,14	13,19	986,37	986,37	3861,52	-2875,15
138+0.000	897.929	897.804	5,00	0,00	0,00	0,00	0,59	8,65	986,37	986,37	3870,17	-2883,80
138+10.00 0	897.758	897.697	5,00	0,02	0,08	0,08	0,13	3,57	986,45	986,45	3873,74	-2887,29
139+0.000	897.587	897.555	5,00	0,11	0,62	0,62	0,04	0,82	987,08	987,08	3874,56	-2887,48
139+10.00 0	897.417	897.412	5,00	0,25	1,77	1,77	0,00	0,19	988,85	988,85	3874,75	-2885,90
140+0.000	897.246	897.269	5,00	0,42	3,35	3,35	0,00	0,00	992,20	992,20	3874,75	-2882,55
140+10.00 0	897.075	897.166	5,00	0,87	6,46	6,46	0,00	0,00	998,66	998,66	3874,75	-2876,09
141+0.000	896.915	897.050	5,00	1,17	10,19	10,19	0,00	0,00	1008,86	1008,86	3874,75	-2865,89
141+10.00 0	896.781	896.905	5,00	1,09	11,30	11,30	0,00	0,00	1020,16	1020,16	3874,75	-2854,59
142+0.000	896.674	896.788	5,00	1,03	10,60	10,60	0,00	0,00	1030,76	1030,76	3874,75	-2843,99
142+10.00 0	896.593	896.674	5,00	0,81	9,18	9,18	0,00	0,00	1039,94	1039,94	3874,75	-2834,81
143+0.000	896.528	896.556	5,00	0,45	6,31	6,31	0,00	0,00	1046,24	1046,24	3874,75	-2828,51
143+10.00 0	896.463	896.457	5,00	0,24	3,48	3,48	0,00	0,00	1049,73	1049,73	3874,75	-2825,02


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144+0.000	896.398	896.354	5,00	0,07	1,54	1,54	0,07	0,35	1051,27	1051,27	3875,10	-2823,83
144+10.00 0	896.333	896.217	5,00	0,00	0,33	0,33	0,44	2,55	1051,60	1051,60	3877,65	-2826,05
145+0.000	896.268	896.126	5,00	0,00	0,00	0,00	0,59	5,18	1051,60	1051,60	3882,83	-2831,23
145+10.00 0	896.204	896.052	5,00	0,00	0,00	0,00	0,65	6,24	1051,60	1051,60	3889,07	-2837,47
146+0.000	896.139	895.958	5,00	0,00	0,00	0,00	0,84	7,45	1051,60	1051,60	3896,52	-2844,92
146+10.00 0	896.074	895.869	5,00	0,00	0,00	0,00	0,99	9,15	1051,60	1051,60	3905,67	-2854,07
147+0.000	896.009	895.789	5,00	0,00	0,00	0,00	1,08	10,38	1051,60	1051,60	3916,05	-2864,45
147+10.00 0	895.944	895.758	5,00	0,00	0,00	0,00	0,87	9,77	1051,60	1051,60	3925,82	-2874,22
148+0.000	895.879	895.705	5,00	0,00	0,00	0,00	0,79	8,32	1051,60	1051,60	3934,14	-2882,54
148+10.00 0	895.814	895.637	5,00	0,00	0,00	0,00	0,81	8,02	1051,60	1051,60	3942,16	-2890,56
149+0.000	895.749	895.597	5,00	0,00	0,00	0,00	0,66	7,33	1051,60	1051,60	3949,49	-2897,89
149+10.00 0	895.684	895.549	5,00	0,00	0,00	0,00	0,55	6,03	1051,60	1051,60	3955,52	-2903,92
150+0.000	895.620	895.494	5,00	0,00	0,00	0,00	0,49	5,18	1051,60	1051,60	3960,70	-2909,10
150+10.00 0	895.555	895.434	5,00	0,00	0,00	0,00	0,46	4,75	1051,60	1051,60	3965,45	-2913,85
151+0.000	895.490	895.399	5,00	0,00	0,00	0,00	0,27	3,69	1051,60	1051,60	3969,14	-2917,54
151+10.00 0	895.425	895.397	5,00	0,14	0,68	0,68	0,03	1,50	1052,28	1052,28	3970,64	-2918,36
152+0.000	895.360	895.380	5,00	0,41	2,76	2,76	0,00	0,13	1055,04	1055,04	3970,77	-2915,73
152+10.00 0	895.295	895.312	5,00	0,98	6,96	6,96	0,00	0,00	1062,00	1062,00	3970,77	-2908,77
152+12.33 2	895.280	895.280	1,17	1,08	2,41	2,41	0,00	0,00	1064,41	1064,41	3970,77	-2906,36


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Relatório de Volumes

SÍTIO VARZEA DOS ESPINHOS - VARZEA REDONDA


Estaca Inicial: 0+0.000

Estaca Final: 224

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	666.561	666.561	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	666.847	666.897	5.00	0.47	4.34	4.34	0.00	0.00	4.34	4.34	0.00	4.34
1+0.000	667.133	667.176	5.00	0.41	4.42	4.42	0.00	0.00	8.76	8.76	0.00	8.76
1+10.000	667.419	667.389	5.00	0.22	3.13	3.13	0.03	0.16	11.89	11.89	0.16	11.73
2+0.000	667.705	667.677	5.00	0.15	1.86	1.86	0.03	0.29	13.75	13.75	0.45	13.30
2+10.000	667.991	667.920	5.00	0.07	1.13	1.13	0.14	0.82	14.88	14.88	1.27	13.61
3+0.000	668.277	668.213	5.00	0.08	0.75	0.75	0.11	1.24	15.63	15.63	2.51	13.12
3+10.000	668.563	668.524	5.00	0.06	0.69	0.69	0.05	0.81	16.32	16.32	3.32	13.00
4+0.000	668.849	668.823	5.00	0.08	0.69	0.69	0.15	1.01	17.01	17.01	4.33	12.68
4+10.000	669.136	669.023	5.00	0.00	0.39	0.39	0.47	3.12	17.39	17.39	7.45	9.94
5+0.000	669.419	669.236	5.00	0.00	0.00	0.00	0.77	6.20	17.39	17.39	13.66	3.74
5+10.000	669.690	669.459	5.00	0.00	0.00	0.00	1.02	8.94	17.39	17.39	22.60	-5.21
6+0.000	669.947	669.731	5.00	0.00	0.00	0.00	1.02	10.19	17.39	17.39	32.79	-15.40
6+10.000	670.190	670.027	5.00	0.00	0.00	0.00	0.77	8.92	17.39	17.39	41.71	-24.32
7+0.000	670.419	670.353	5.00	0.02	0.12	0.12	0.25	5.08	17.51	17.51	46.79	-29.28
7+10.000	670.635	670.633	5.00	0.25	1.36	1.36	0.00	1.25	18.87	18.87	48.05	-29.18
8+0.000	670.836	670.881	5.00	0.61	4.28	4.28	0.00	0.00	23.15	23.15	48.05	-24.89
8+10.000	671.023	671.083	5.00	0.71	6.59	6.59	0.00	0.00	29.74	29.74	48.05	-18.30
9+0.000	671.196	671.227	5.00	0.50	6.05	6.05	0.00	0.00	35.79	35.79	48.05	-12.25
9+10.000	671.355	671.354	5.00	0.30	3.99	3.99	0.00	0.00	39.78	39.78	48.05	-8.26
10+0.000	671.501	671.481	5.00	0.19	2.44	2.44	0.01	0.06	42.22	42.22	48.11	-5.88
10+10.000	671.632	671.554	5.00	0.00	1.00	1.00	0.20	1.04	43.22	43.22	49.14	-5.92
11+0.000	671.749	671.617	5.00	0.00	0.04	0.04	0.52	3.57	43.26	43.26	52.71	-9.45
11+10.000	671.853	671.716	5.00	0.00	0.00	0.00	0.54	5.30	43.26	43.26	58.01	-14.75
12+0.000	671.942	671.796	5.00	0.00	0.00	0.00	0.60	5.73	43.26	43.26	63.73	-20.47
12+10.000	672.018	671.861	5.00	0.00	0.00	0.00	0.67	6.37	43.26	43.26	70.10	-26.84
13+0.000	672.079	671.923	5.00	0.00	0.00	0.00	0.67	6.70	43.26	43.26	76.80	-33.54
13+10.000	672.127	672.010	5.00	0.00	0.00	0.00	0.42	5.44	43.26	43.26	82.24	-38.98
14+0.000	672.161	672.129	5.00	0.14	0.68	0.68	0.03	2.25	43.94	43.94	84.49	-40.56
14+10.000	672.181	672.189	5.00	0.35	2.40	2.40	0.00	0.16	46.34	46.34	84.65	-38.31
15+0.000	672.200	672.249	5.00	0.61	4.80	4.80	0.00	0.00	51.14	51.14	84.65	-33.51
15+10.000	672.218	672.325	5.00	1.00	8.10	8.10	0.00	0.00	59.23	59.23	84.65	-25.42
16+0.000	672.236	672.392	5.00	1.34	11.72	11.72	0.00	0.00	70.96	70.96	84.65	-13.69
16+10.000	672.254	672.440	5.00	1.54	14.37	14.37	0.00	0.00	85.33	85.33	84.65	0.68
17+0.000	672.272	672.434	5.00	1.37	14.52	14.52	0.00	0.00	99.86	99.86	84.65	15.20
17+10.000	672.290	672.426	5.00	1.18	12.76	12.76	0.00	0.00	112.62	112.62	84.65	27.97
18+0.000	672.309	672.401	5.00	0.88	10.31	10.31	0.00	0.00	122.93	122.93	84.65	38.28
18+10.000	672.327	672.316	5.00	0.21	5.44	5.44	0.00	0.02	128.36	128.36	84.67	43.69
19+0.000	672.345	672.312	5.00	0.12	1.65	1.65	0.04	0.20	130.01	130.01	84.87	45.14
19+10.000	672.363	672.332	5.00	0.12	1.18	1.18	0.03	0.34	131.19	131.19	85.21	45.98
20+0.000	672.353	672.285	5.00	0.01	0.65	0.65	0.16	0.97	131.83	131.83	86.18	45.65
20+10.000	672.288	672.214	5.00	0.00	0.10	0.10	0.19	1.75	131.93	131.93	87.94	43.99
21+0.000	672.168	672.127	5.00	0.08	0.41	0.41	0.06	1.24	132.34	132.34	89.17	43.16
21+10.000	671.992	672.015	5.00	0.42	2.48	2.48	0.00	0.28	134.81	134.81	89.46	45.36
22+0.000	671.788	671.876	5.00	0.84	6.28	6.28	0.00	0.00	141.10	141.10	89.46	51.64
22+10.000	671.585	671.708	5.00	1.08	9.57	9.57	0.00	0.00	150.66	150.66	89.46	61.21
23+0.000	671.390	671.528	5.00	1.17	11.23	11.23	0.00	0.00	161.89	161.89	89.46	72.44
23+10.000	671.209	671.337	5.00	1.10	11.36	11.36	0.00	0.00	173.25	173.25	89.46	83.80
24+0.000	671.040	671.130	5.00	0.84	9.70	9.70	0.00	0.00	182.95	182.95	89.46	93.50
24+10.000	670.885	670.942	5.00	0.63	7.33	7.33	0.00	0.00	190.28	190.28	89.46	100.82
25+0.000	670.743	670.773	5.00	0.46	5.43	5.43	0.00	0.00	195.71	195.71	89.46	106.26
25+10.000	670.614	670.642	5.00	0.45	4.54	4.54	0.00	0.00	200.25	200.25	89.46	110.79
26+0.000	670.498	670.500	5.00	0.28	3.63	3.63	0.00	0.00	203.88	203.88	89.46	114.42
26+10.000	670.395	670.365	5.00	0.12	1.97	1.97	0.03	0.16	205.85	205.85	89.61	116.24
27+0.000	670.306	670.294	5.00	0.21	1.64	1.64	0.00	0.18	207.49	207.49	89.79	117.69
27+10.000	670.229	670.238	5.00	0.33	2.72	2.72	0.00	0.02	210.21	210.21	89.82	120.39
28+0.000	670.165	670.190	5.00	0.44	3.86	3.86	0.00	0.00	214.07	214.07	89.82	124.26
28+10.000	670.115	670.159	5.00	0.56	5.01	5.01	0.00	0.00	219.09	219.09	89.82	129.27
29+0.000	670.078	670.148	5.00	0.74	6.54	6.54	0.00	0.00	225.63	225.63	89.82	135.81
29+10.000	670.053	670.160	5.00	0.99	8.66	8.66	0.00	0.00	234.28	234.28	89.82	144.47


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105+10.00 0	670.452	670.753	5.00	2.01	19.42	19.42	0.00	0.00	919.84	919.84	1302.54	-382.71
106+0.000	670.646	670.876	5.00	1.53	17.68	17.68	0.00	0.00	937.52	937.52	1302.54	-365.02
106+10.00 0	670.837	671.023	5.00	1.19	13.61	13.61	0.00	0.00	951.12	951.12	1302.54	-351.42
107+0.000	671.003	671.167	5.00	1.06	11.25	11.25	0.00	0.00	962.37	962.37	1302.54	-340.17
107+10.00 0	671.141	671.296	5.00	1.01	10.35	10.35	0.00	0.00	972.72	972.72	1302.54	-329.82
108+0.000	671.250	671.362	5.00	0.74	8.76	8.76	0.00	0.00	981.48	981.48	1302.54	-321.07
108+10.00 0	671.330	671.399	5.00	0.48	6.14	6.14	0.00	0.00	987.62	987.62	1302.54	-314.93
109+0.000	671.382	671.377	5.00	0.13	3.04	3.04	0.08	0.40	990.66	990.66	1302.94	-312.29
109+10.00 0	671.405	671.395	5.00	0.11	1.20	1.20	0.14	1.09	991.85	991.85	1304.04	-312.18
110+0.000	671.400	671.426	5.00	0.25	1.82	1.82	0.03	0.81	993.67	993.67	1304.84	-311.18
110+10.00 0	671.366	671.422	5.00	0.42	3.36	3.36	0.00	0.13	997.03	997.03	1304.97	-307.94
111+0.000	671.303	671.376	5.00	0.53	4.77	4.77	0.00	0.00	1001.80	1001.80	1304.97	-303.18
111+10.00 0	671.212	671.294	5.00	0.60	5.67	5.67	0.00	0.00	1007.47	1007.47	1304.97	-297.51
112+0.000	671.092	671.157	5.00	0.47	5.38	5.38	0.00	0.00	1012.85	1012.85	1304.97	-292.13
112+10.00 0	670.943	670.985	5.00	0.37	4.28	4.28	0.00	0.00	1017.13	1017.13	1304.97	-287.84
113+0.000	670.766	670.768	5.00	0.17	2.72	2.72	0.03	0.17	1019.85	1019.85	1305.15	-285.30
113+10.00 0	670.560	670.534	5.00	0.07	1.19	1.19	0.21	1.20	1021.04	1021.04	1306.35	-285.30
114+0.000	670.326	670.239	5.00	0.00	0.35	0.35	0.67	4.34	1021.39	1021.39	1310.69	-289.30
114+10.00 0	670.063	669.839	5.00	0.00	0.00	0.00	1.59	11.28	1021.39	1021.39	1321.96	-300.58
115+0.000	669.793	669.442	5.00	0.00	0.00	0.00	2.27	19.32	1021.39	1021.39	1341.29	-319.90
115+10.00 0	669.522	669.063	5.00	0.00	0.00	0.00	2.65	24.64	1021.39	1021.39	1365.92	-344.53
116+0.000	669.252	668.751	5.00	0.00	0.00	0.00	2.89	27.72	1021.39	1021.39	1393.65	-372.26
116+10.00 0	668.982	668.435	5.00	0.00	0.00	0.00	3.22	30.53	1021.39	1021.39	1424.18	-402.79
117+0.000	668.711	668.145	5.00	0.00	0.00	0.00	3.19	32.05	1021.39	1021.39	1456.23	-434.84
117+10.00 0	668.441	668.064	5.00	0.00	0.00	0.00	2.14	26.64	1021.39	1021.39	1482.87	-461.48
118+0.000	668.172	667.928	5.00	0.00	0.00	0.00	1.25	16.83	1021.39	1021.39	1499.70	-478.31
118+10.00 0	667.925	667.756	5.00	0.00	0.00	0.00	0.72	9.81	1021.39	1021.39	1509.51	-488.12
119+0.000	667.705	667.576	5.00	0.00	0.00	0.00	0.48	6.00	1021.39	1021.39	1515.51	-494.12
119+10.00 0	667.514	667.431	5.00	0.02	0.11	0.11	0.19	3.37	1021.50	1021.50	1518.87	-497.37
120+0.000	667.349	667.322	5.00	0.19	1.08	1.08	0.02	1.06	1022.58	1022.58	1519.94	-497.36
120+10.00 0	667.213	667.231	5.00	0.47	3.33	3.33	0.00	0.11	1025.91	1025.91	1520.05	-494.14
121+0.000	667.104	667.163	5.00	0.77	6.18	6.18	0.00	0.00	1032.08	1032.08	1520.05	-487.97
121+10.00 0	667.022	667.125	5.00	1.09	9.28	9.28	0.00	0.00	1041.36	1041.36	1520.05	-478.69
122+0.000	666.969	667.102	5.00	1.31	11.99	11.99	0.00	0.00	1053.35	1053.35	1520.05	-466.70
122+10.00 0	666.942	667.092	5.00	1.46	13.87	13.87	0.00	0.00	1067.22	1067.22	1520.05	-452.83
123+0.000	666.939	667.106	5.00	1.61	15.39	15.39	0.00	0.00	1082.61	1082.61	1520.05	-437.45
123+10.00 0	666.937	667.157	5.00	2.03	18.22	18.22	0.00	0.00	1100.82	1100.82	1520.05	-419.23
124+0.000	666.936	667.199	5.00	2.18	21.07	21.07	0.00	0.00	1121.89	1121.89	1520.05	-398.16
124+10.00 0	666.934	667.161	5.00	1.83	20.01	20.01	0.00	0.00	1141.90	1141.90	1520.05	-378.15
125+0.000	666.933	667.123	5.00	1.52	16.71	16.71	0.00	0.00	1158.62	1158.62	1520.05	-361.43
125+10.00 0	666.931	667.085	5.00	1.25	13.81	13.81	0.00	0.00	1172.43	1172.43	1520.05	-347.62
126+0.000	666.930	666.829	5.00	0.31	7.77	7.77	0.60	2.99	1180.20	1180.20	1523.04	-342.84
126+10.00 0	666.928	666.120	5.00	0.00	1.53	1.53	5.78	31.96	1181.73	1181.73	1555.00	-373.28
127+0.000	666.927	666.851	5.00	0.29	1.46	1.46	0.25	30.16	1183.18	1183.18	1585.17	-401.98
127+10.00 0	666.925	666.998	5.00	0.72	5.08	5.08	0.00	1.27	1188.26	1188.26	1586.43	-398.17
128+0.000	666.924	666.994	5.00	0.82	7.71	7.71	0.00	0.00	1195.97	1195.97	1586.43	-390.47
128+10.00 0	666.922	667.058	5.00	1.14	9.76	9.76	0.00	0.00	1205.73	1205.73	1586.43	-380.70
129+0.000	666.921	667.067	5.00	1.24	11.86	11.86	0.00	0.00	1217.58	1217.58	1586.43	-368.85
129+10.00 0	666.919	667.059	5.00	1.32	12.80	12.80	0.00	0.00	1230.38	1230.38	1586.43	-356.05
130+0.000	666.918	667.071	5.00	1.52	14.20	14.20	0.00	0.00	1244.58	1244.58	1586.43	-341.85
130+10.00 0	666.916	667.090	5.00	1.68	15.98	15.98	0.00	0.00	1260.56	1260.56	1586.43	-325.87
131+0.000	666.915	667.117	5.00	2.03	18.60	18.60	0.00	0.00	1279.16	1279.16	1586.43	-307.27
131+10.00 0	666.913	667.214	5.00	2.70	23.68	23.68	0.00	0.00	1302.84	1302.84	1586.43	-283.59
132+0.000	666.912	667.300	5.00	3.40	30.48	30.48	0.00	0.00	1333.31	1333.31	1586.43	-253.12
132+10.00 0	666.910	667.371	5.00	3.86	36.29	36.29	0.00	0.00	1369.60	1369.60	1586.43	-216.83
133+0.000	666.909	667.432	5.00	4.04	39.48	39.48	0.00	0.00	1409.08	1409.08	1586.43	-177.35
133+10.00 0	666.907	667.445	5.00	4.03	40.33	40.33	0.00	0.00	1449.40	1449.40	1586.43	-137.03


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134+0.000	666.906	667.385	5.00	3.70	38.71	38.71	0.00	0.00	1488.12	1488.12	1586.43	-98.32
134+10.00 0	666.904	667.336	5.00	3.41	35.58	35.58	0.00	0.00	1523.70	1523.70	1586.43	-62.73
135+0.000	666.903	667.286	5.00	3.07	32.43	32.43	0.00	0.00	1556.13	1556.13	1586.43	-30.30
135+10.00 0	666.901	667.226	5.00	2.75	29.07	29.07	0.00	0.00	1585.20	1585.20	1586.43	-1.23
136+0.000	666.900	667.127	5.00	2.38	25.75	25.75	0.00	0.00	1610.95	1610.95	1586.43	24.52
136+10.00 0	666.898	667.007	5.00	1.66	20.44	20.44	0.00	0.00	1631.39	1631.39	1586.43	44.96
137+0.000	666.897	666.857	5.00	0.49	10.76	10.76	0.03	0.17	1642.15	1642.15	1586.60	55.55
137+10.00 0	666.896	666.799	5.00	0.28	3.71	3.71	0.20	1.18	1645.86	1645.86	1587.78	58.08
138+0.000	666.912	666.801	5.00	0.18	2.26	2.26	0.27	2.37	1648.12	1648.12	1590.15	57.97
138+10.00 0	666.951	666.905	5.00	0.14	1.56	1.56	0.06	1.66	1649.68	1649.68	1591.82	57.86
139+0.000	667.012	667.002	5.00	0.31	2.21	2.21	0.00	0.30	1651.89	1651.89	1592.12	59.77
139+10.00 0	667.096	667.095	5.00	0.36	3.35	3.35	0.00	0.01	1655.23	1655.23	1592.13	63.10
140+0.000	667.202	667.210	5.00	0.39	3.77	3.77	0.00	0.00	1659.01	1659.01	1592.13	66.87
140+10.00 0	667.330	667.348	5.00	0.42	4.06	4.06	0.00	0.00	1663.06	1663.06	1592.13	70.93
141+0.000	667.481	667.511	5.00	0.47	4.45	4.45	0.00	0.00	1667.52	1667.52	1592.13	75.38
141+10.00 0	667.654	667.652	5.00	0.29	3.82	3.82	0.00	0.00	1671.33	1671.33	1592.13	79.20
142+0.000	667.846	667.809	5.00	0.10	1.98	1.98	0.05	0.23	1673.31	1673.31	1592.37	80.95
142+10.00 0	668.040	667.985	5.00	0.05	0.76	0.76	0.10	0.72	1674.07	1674.07	1593.09	80.98
143+0.000	668.233	668.173	5.00	0.04	0.42	0.42	0.12	1.10	1674.50	1674.50	1594.19	80.31
143+10.00 0	668.427	668.353	5.00	0.01	0.25	0.25	0.18	1.51	1674.75	1674.75	1595.70	79.05
144+0.000	668.620	668.515	5.00	0.00	0.07	0.07	0.36	2.68	1674.81	1674.81	1598.38	76.44
144+10.00 0	668.814	668.723	5.00	0.00	0.02	0.02	0.27	3.13	1674.83	1674.83	1601.51	73.33
145+0.000	669.007	668.945	5.00	0.03	0.19	0.19	0.13	1.98	1675.02	1675.02	1603.49	71.53
145+10.00 0	669.200	669.170	5.00	0.13	0.83	0.83	0.03	0.79	1675.85	1675.85	1604.28	71.57
146+0.000	669.394	669.377	5.00	0.19	1.62	1.62	0.00	0.20	1677.47	1677.47	1604.48	72.99
146+10.00 0	669.587	669.577	5.00	0.23	2.11	2.11	0.00	0.06	1679.59	1679.59	1604.55	75.04
147+0.000	669.759	669.772	5.00	0.38	3.02	3.02	0.00	0.02	1682.61	1682.61	1604.56	78.04
147+10.00 0	669.900	669.928	5.00	0.47	4.21	4.21	0.00	0.00	1686.82	1686.82	1604.56	82.26
148+0.000	670.010	670.053	5.00	0.56	5.14	5.14	0.00	0.00	1691.96	1691.96	1604.56	87.40
148+10.00 0	670.089	670.099	5.00	0.35	4.56	4.56	0.00	0.00	1696.52	1696.52	1604.56	91.96
149+0.000	670.136	670.142	5.00	0.32	3.38	3.38	0.00	0.00	1699.90	1699.90	1604.56	95.33
149+10.00 0	670.153	670.169	5.00	0.39	3.56	3.56	0.00	0.00	1703.46	1703.46	1604.56	98.90
150+0.000	670.138	670.078	5.00	0.03	2.10	2.10	0.12	0.61	1705.56	1705.56	1605.17	100.38
150+10.00 0	670.092	670.008	5.00	0.00	0.16	0.16	0.23	1.78	1705.72	1705.72	1606.95	98.77
151+0.000	670.015	669.954	5.00	0.03	0.15	0.15	0.12	1.79	1705.87	1705.87	1608.74	97.13
151+10.00 0	669.906	669.863	5.00	0.08	0.54	0.54	0.06	0.93	1706.41	1706.41	1609.66	96.74
152+0.000	669.778	669.738	5.00	0.09	0.82	0.82	0.05	0.57	1707.23	1707.23	1610.24	96.99
152+10.00 0	669.649	669.576	5.00	0.01	0.49	0.49	0.18	1.14	1707.72	1707.72	1611.38	96.33
153+0.000	669.520	669.417	5.00	0.00	0.05	0.05	0.35	2.63	1707.77	1707.77	1614.01	93.76
153+10.00 0	669.391	669.258	5.00	0.00	0.00	0.00	0.53	4.41	1707.77	1707.77	1618.42	89.35
154+0.000	669.261	669.100	5.00	0.00	0.00	0.00	0.71	6.22	1707.77	1707.77	1624.64	83.13
154+10.00 0	669.132	668.947	5.00	0.00	0.00	0.00	0.87	7.88	1707.77	1707.77	1632.52	75.25
155+0.000	669.003	668.809	5.00	0.00	0.00	0.00	0.92	8.93	1707.77	1707.77	1641.45	66.32
155+10.00 0	668.874	668.711	5.00	0.00	0.00	0.00	0.73	8.23	1707.77	1707.77	1649.68	58.09
156+0.000	668.752	668.653	5.00	0.00	0.00	0.00	0.32	5.25	1707.77	1707.77	1654.93	52.84
156+10.00 0	668.659	668.601	5.00	0.03	0.17	0.17	0.11	2.19	1707.94	1707.94	1657.12	50.82
157+0.000	668.598	668.516	5.00	0.00	0.18	0.18	0.23	1.71	1708.12	1708.12	1658.84	49.29
157+10.00 0	668.569	668.426	5.00	0.00	0.00	0.00	0.60	4.12	1708.13	1708.13	1662.96	45.18
158+0.000	668.564	668.327	5.00	0.00	0.00	0.00	1.20	8.98	1708.13	1708.13	1671.94	36.19
158+10.00 0	668.562	668.183	5.00	0.00	0.00	0.00	2.17	16.87	1708.13	1708.13	1688.80	19.33
159+0.000	668.559	668.047	5.00	0.00	0.00	0.00	3.17	26.69	1708.13	1708.13	1715.50	-7.36
159+10.00 0	668.557	667.918	5.00	0.00	0.00	0.00	4.17	36.68	1708.13	1708.13	1752.17	-44.04
160+0.000	668.554	667.812	5.00	0.00	0.00	0.00	5.04	46.05	1708.13	1708.13	1798.22	-90.09
160+10.00 0	668.551	667.702	5.00	0.00	0.00	0.00	5.99	55.13	1708.13	1708.13	1853.35	-145.21
161+0.000	668.549	667.588	5.00	0.00	0.00	0.00	7.01	64.99	1708.13	1708.13	1918.34	-210.21
161+10.00 0	668.546	667.483	5.00	0.00	0.00	0.00	8.01	75.13	1708.13	1708.13	1993.47	-285.34
162+0.000	668.544	667.391	5.00	0.00	0.00	0.00	8.91	84.63	1708.13	1708.13	2078.10	-369.97


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162+10.00 0	668.541	667.314	5.00	0.00	0.00	0.00	9.68	92.99	1708.13	1708.13	2171.09	-462.96
163+0.000	668.539	667.348	5.00	0.00	0.00	0.00	9.29	94.87	1708.13	1708.13	2265.96	-557.83
163+10.00 0	668.536	667.362	5.00	0.00	0.00	0.00	9.13	92.10	1708.13	1708.13	2358.06	-649.92
164+0.000	668.534	667.332	5.00	0.00	0.00	0.00	9.41	92.70	1708.13	1708.13	2450.76	-742.62
164+10.00 0	668.531	667.228	5.00	0.00	0.00	0.00	10.49	99.53	1708.13	1708.13	2550.29	-842.16
165+0.000	668.529	667.129	5.00	0.00	0.00	0.00	11.56	110.30	1708.13	1708.13	2660.59	-952.46
165+10.00 0	668.526	667.105	5.00	0.00	0.00	0.00	11.80	116.84	1708.13	1708.13	2777.42	-1069.29
166+0.000	668.525	667.069	5.00	0.00	0.00	0.00	12.20	120.01	1708.13	1708.13	2897.43	-1189.30
166+10.00 0	668.525	667.044	5.00	0.00	0.00	0.00	12.48	123.38	1708.13	1708.13	3020.82	-1312.68
167+0.000	668.527	667.094	5.00	0.00	0.00	0.00	11.93	122.03	1708.13	1708.13	3142.85	-1434.71
167+10.00 0	668.531	667.111	5.00	0.00	0.00	0.00	11.78	118.56	1708.13	1708.13	3261.41	-1553.28
168+0.000	668.535	667.114	5.00	0.00	0.00	0.00	11.79	117.89	1708.13	1708.13	3379.30	-1671.16
168+10.00 0	668.540	667.184	5.00	0.00	0.00	0.00	11.07	114.30	1708.13	1708.13	3493.59	-1785.46
169+0.000	668.544	667.231	5.00	0.00	0.00	0.00	10.60	108.35	1708.13	1708.13	3601.94	-1893.81
169+10.00 0	668.549	667.257	5.00	0.00	0.00	0.00	10.37	104.87	1708.13	1708.13	3706.81	-1998.68
170+0.000	668.553	667.263	5.00	0.00	0.00	0.00	10.35	103.62	1708.13	1708.13	3810.43	-2102.29
170+10.00 0	668.558	667.254	5.00	0.00	0.00	0.00	10.50	104.26	1708.13	1708.13	3914.69	-2206.56
171+0.000	668.562	667.223	5.00	0.00	0.00	0.00	10.89	106.94	1708.13	1708.13	4021.64	-2313.50
171+10.00 0	668.567	667.251	5.00	0.00	0.00	0.00	10.62	107.56	1708.13	1708.13	4129.20	-2421.07
172+0.000	668.571	667.283	5.00	0.00	0.00	0.00	10.33	104.74	1708.13	1708.13	4233.94	-2525.81
172+10.00 0	668.576	667.293	5.00	0.00	0.00	0.00	10.27	102.96	1708.13	1708.13	4336.90	-2628.77
173+0.000	668.580	667.327	5.00	0.00	0.00	0.00	9.95	101.09	1708.13	1708.13	4437.99	-2729.86
173+10.00 0	668.585	667.369	5.00	0.00	0.00	0.00	9.55	97.52	1708.13	1708.13	4535.52	-2827.38
174+0.000	668.589	667.409	5.00	0.00	0.00	0.00	9.19	93.73	1708.13	1708.13	4629.24	-2921.11
174+10.00 0	668.594	667.456	5.00	0.00	0.00	0.00	8.75	89.69	1708.13	1708.13	4718.93	-3010.80
175+0.000	668.598	667.510	5.00	0.00	0.00	0.00	8.25	85.00	1708.13	1708.13	4803.93	-3095.80
175+10.00 0	668.603	667.563	5.00	0.00	0.00	0.00	7.77	80.10	1708.13	1708.13	4884.03	-3175.90
176+0.000	668.607	667.619	5.00	0.00	0.00	0.00	7.27	75.20	1708.13	1708.13	4959.23	-3251.10
176+10.00 0	668.612	667.680	5.00	0.00	0.00	0.00	6.73	70.03	1708.13	1708.13	5029.27	-3321.14
177+0.000	668.616	667.743	5.00	0.00	0.00	0.00	6.20	64.65	1708.13	1708.13	5093.92	-3385.79
177+10.00 0	668.621	667.818	5.00	0.00	0.00	0.00	5.56	58.78	1708.13	1708.13	5152.71	-3444.57
178+0.000	668.625	667.954	5.00	0.00	0.00	0.00	4.43	49.93	1708.13	1708.13	5202.64	-3494.50
178+10.00 0	668.630	668.025	5.00	0.00	0.00	0.00	3.88	41.56	1708.13	1708.13	5244.20	-3536.07
179+0.000	668.634	668.062	5.00	0.00	0.00	0.00	3.63	37.56	1708.13	1708.13	5281.76	-3573.63
179+10.00 0	668.639	668.120	5.00	0.00	0.00	0.00	3.21	34.20	1708.13	1708.13	5315.96	-3607.82
180+0.000	668.643	668.176	5.00	0.00	0.00	0.00	2.82	30.15	1708.13	1708.13	5346.10	-3637.97
180+10.00 0	668.648	668.231	5.00	0.00	0.00	0.00	2.45	26.32	1708.13	1708.13	5372.42	-3664.29
181+0.000	668.652	668.286	5.00	0.00	0.00	0.00	2.08	22.64	1708.13	1708.13	5395.06	-3686.93
181+10.00 0	668.657	668.334	5.00	0.00	0.00	0.00	1.77	19.28	1708.13	1708.13	5414.34	-3706.21
182+0.000	668.661	668.374	5.00	0.00	0.00	0.00	1.53	16.54	1708.13	1708.13	5430.88	-3722.75
182+10.00 0	668.666	668.438	5.00	0.00	0.00	0.00	1.13	13.33	1708.13	1708.13	5444.22	-3736.08
183+0.000	668.671	668.517	5.00	0.00	0.00	0.00	0.66	8.97	1708.13	1708.13	5453.18	-3745.05
183+10.00 0	668.687	668.618	5.00	0.02	0.08	0.08	0.16	4.08	1708.22	1708.22	5457.26	-3749.05
184+0.000	668.716	668.704	5.00	0.22	1.17	1.17	0.00	0.81	1709.38	1709.38	5458.07	-3748.69
184+10.00 0	668.759	668.787	5.00	0.47	3.45	3.45	0.00	0.02	1712.84	1712.84	5458.10	-3745.26
185+0.000	668.814	668.870	5.00	0.65	5.63	5.63	0.00	0.00	1718.46	1718.46	5458.10	-3739.63


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185+10.00 0	668.873	668.944	5.00	0.75	6.99	6.99	0.00	0.00	1725.45	1725.45	5458.10	-3732.64
186+0.000	668.932	669.014	5.00	0.82	7.83	7.83	0.00	0.00	1733.28	1733.28	5458.10	-3724.82
186+10.00 0	668.991	669.083	5.00	0.89	8.56	8.56	0.00	0.00	1741.84	1741.84	5458.10	-3716.26
187+0.000	669.050	669.153	5.00	0.97	9.29	9.29	0.00	0.00	1751.13	1751.13	5458.10	-3706.97
187+10.00 0	669.109	669.207	5.00	0.93	9.47	9.47	0.00	0.00	1760.60	1760.60	5458.10	-3697.50
188+0.000	669.168	669.223	5.00	0.64	7.84	7.84	0.00	0.00	1768.44	1768.44	5458.10	-3689.66
188+10.00 0	669.227	669.267	5.00	0.55	5.94	5.94	0.00	0.00	1774.38	1774.38	5458.10	-3683.71
189+0.000	669.286	669.318	5.00	0.49	5.19	5.19	0.00	0.00	1779.58	1779.58	5458.10	-3678.52
189+10.00 0	669.345	669.344	5.00	0.28	3.85	3.85	0.00	0.00	1783.42	1783.42	5458.10	-3674.67
190+0.000	669.404	669.387	5.00	0.19	2.34	2.34	0.01	0.05	1785.76	1785.76	5458.15	-3672.38
190+10.00 0	669.463	669.438	5.00	0.15	1.70	1.70	0.02	0.15	1787.46	1787.46	5458.30	-3670.84
191+0.000	669.522	669.487	5.00	0.11	1.30	1.30	0.04	0.30	1788.76	1788.76	5458.60	-3669.83
191+10.00 0	669.581	669.559	5.00	0.17	1.40	1.40	0.01	0.27	1790.16	1790.16	5458.87	-3668.71
192+0.000	669.640	669.650	5.00	0.35	2.61	2.61	0.00	0.07	1792.77	1792.77	5458.94	-3666.17
192+10.00 0	669.698	669.770	5.00	0.76	5.54	5.54	0.00	0.00	1798.31	1798.31	5458.94	-3660.63
193+0.000	669.763	669.891	5.00	1.14	9.47	9.47	0.00	0.00	1807.78	1807.78	5458.94	-3651.16
193+10.00 0	669.869	670.012	5.00	1.24	11.89	11.89	0.00	0.00	1819.67	1819.67	5458.94	-3639.27
194+0.000	670.023	670.182	5.00	1.36	12.98	12.98	0.00	0.00	1832.65	1832.65	5458.94	-3626.29
194+10.00 0	670.225	670.377	5.00	1.31	13.31	13.31	0.00	0.00	1845.96	1845.96	5458.94	-3612.98
195+0.000	670.469	670.618	5.00	1.28	12.95	12.95	0.00	0.00	1858.91	1858.91	5458.94	-3600.03
195+10.00 0	670.720	670.842	5.00	1.09	11.89	11.89	0.00	0.00	1870.79	1870.79	5458.94	-3588.15
196+0.000	670.972	671.056	5.00	0.84	9.67	9.67	0.00	0.00	1880.46	1880.46	5458.94	-3578.48
196+10.00 0	671.223	671.270	5.00	0.60	7.19	7.19	0.00	0.00	1887.65	1887.65	5458.94	-3571.29
197+0.000	671.470	671.496	5.00	0.49	5.42	5.42	0.00	0.00	1893.07	1893.07	5458.94	-3565.87
197+10.00 0	671.710	671.735	5.00	0.37	4.30	4.30	0.00	0.00	1897.37	1897.37	5458.94	-3561.57
198+0.000	671.940	671.920	5.00	0.09	2.34	2.34	0.02	0.11	1899.70	1899.70	5459.05	-3559.35
198+10.00 0	672.163	672.109	5.00	0.08	0.87	0.87	0.10	0.63	1900.57	1900.57	5459.67	-3559.10
199+0.000	672.376	672.313	5.00	0.15	1.15	1.15	0.10	1.03	1901.73	1901.73	5460.70	-3558.97
199+10.00 0	672.582	672.544	5.00	0.24	1.99	1.99	0.03	0.66	1903.72	1903.72	5461.36	-3557.64
200+0.000	672.778	672.781	5.00	0.41	3.29	3.29	0.00	0.15	1907.01	1907.01	5461.51	-3554.50
200+10.00 0	672.966	673.018	5.00	0.66	5.35	5.35	0.00	0.00	1912.37	1912.37	5461.51	-3549.14
201+0.000	673.146	673.256	5.00	0.92	7.86	7.86	0.00	0.00	1920.23	1920.23	5461.51	-3541.28
201+10.00 0	673.317	673.493	5.00	0.99	9.54	9.54	0.00	0.00	1929.77	1929.77	5461.51	-3531.74
202+0.000	673.479	673.621	5.00	0.76	8.78	8.78	0.00	0.00	1938.55	1938.55	5461.51	-3522.96
202+10.00 0	673.633	673.738	5.00	0.47	6.15	6.15	0.00	0.00	1944.70	1944.70	5461.51	-3516.81
203+0.000	673.779	673.855	5.00	0.20	3.33	3.33	0.04	0.19	1948.03	1948.03	5461.71	-3513.68
203+10.00 0	673.916	673.954	5.00	0.03	1.14	1.14	0.21	1.24	1949.17	1949.17	5462.95	-3513.78
204+0.000	674.044	673.983	5.00	0.00	0.15	0.15	0.42	3.16	1949.31	1949.31	5466.11	-3516.79
204+10.00 0	674.164	674.110	5.00	0.00	0.00	0.00	0.52	4.74	1949.32	1949.32	5470.85	-3521.53
205+0.000	674.276	674.261	5.00	0.00	0.00	0.00	0.40	4.57	1949.32	1949.32	5475.42	-3526.11
205+10.00 0	674.379	674.311	5.00	0.00	0.00	0.00	0.62	5.07	1949.32	1949.32	5480.49	-3531.18
206+0.000	674.473	674.350	5.00	0.00	0.00	0.00	1.11	8.56	1949.32	1949.32	5489.05	-3539.74
206+10.00 0	674.559	674.378	5.00	0.00	0.00	0.00	2.08	15.95	1949.32	1949.32	5505.00	-3555.68
207+0.000	674.636	674.376	5.00	0.00	0.00	0.00	2.74	24.23	1949.32	1949.32	5529.23	-3579.91
207+10.00 0	674.705	674.369	5.00	0.00	0.00	0.00	3.18	29.68	1949.32	1949.32	5558.91	-3609.60


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208+0.000	674.765	674.356	5.00	0.00	0.00	0.00	3.38	32.77	1949.32	1949.32	5591.68	-3642.37
208+10.00 0	674.817	674.355	5.00	0.00	0.00	0.00	3.55	34.56	1949.32	1949.32	5626.25	-3676.93
209+0.000	674.860	674.359	5.00	0.00	0.00	0.00	3.59	35.66	1949.32	1949.32	5661.90	-3712.59
209+10.00 0	674.894	674.363	5.00	0.00	0.00	0.00	3.55	35.69	1949.32	1949.32	5697.60	-3748.28
210+0.000	674.921	674.389	5.00	0.00	0.00	0.00	3.47	35.13	1949.32	1949.32	5732.73	-3783.41
210+10.00 0	674.938	674.430	5.00	0.00	0.00	0.00	3.26	33.66	1949.32	1949.32	5766.39	-3817.07
211+0.000	674.947	674.481	5.00	0.00	0.00	0.00	3.03	31.44	1949.32	1949.32	5797.83	-3848.51
211+10.00 0	674.952	674.511	5.00	0.00	0.00	0.00	2.85	29.40	1949.32	1949.32	5827.22	-3877.91
212+0.000	674.957	674.522	5.00	0.00	0.00	0.00	2.77	28.06	1949.32	1949.32	5855.28	-3905.97
212+10.00 0	674.961	674.495	5.00	0.00	0.00	0.00	2.81	27.87	1949.32	1949.32	5883.15	-3933.83
213+0.000	674.966	674.502	5.00	0.00	0.00	0.00	2.88	28.45	1949.32	1949.32	5911.60	-3962.28
213+10.00 0	674.971	674.544	5.00	0.00	0.00	0.00	2.70	27.92	1949.32	1949.32	5939.51	-3990.20
214+0.000	674.975	674.574	5.00	0.00	0.00	0.00	2.51	26.07	1949.32	1949.32	5965.58	-4016.27
214+10.00 0	674.980	674.630	5.00	0.00	0.00	0.00	2.28	23.96	1949.32	1949.32	5989.55	-4040.23
215+0.000	674.984	674.719	5.00	0.00	0.00	0.00	1.83	20.55	1949.32	1949.32	6010.10	-4060.78
215+10.00 0	674.989	674.785	5.00	0.00	0.00	0.00	1.39	16.09	1949.32	1949.32	6026.18	-4076.87
216+0.000	674.994	674.838	5.00	0.00	0.00	0.00	1.00	11.95	1949.32	1949.32	6038.13	-4088.82
216+10.00 0	674.998	674.869	5.00	0.00	0.00	0.00	0.79	9.00	1949.32	1949.32	6047.13	-4097.81
217+0.000	675.003	674.879	5.00	0.00	0.00	0.00	0.66	7.28	1949.32	1949.32	6054.41	-4105.09
217+10.00 0	675.008	674.888	5.00	0.00	0.00	0.00	0.58	6.24	1949.32	1949.32	6060.65	-4111.33
218+0.000	675.012	674.917	5.00	0.00	0.00	0.00	0.46	5.23	1949.32	1949.32	6065.88	-4116.56
218+10.00 0	675.017	674.956	5.00	0.00	0.00	0.00	0.38	4.20	1949.32	1949.32	6070.08	-4120.76
219+0.000	675.022	674.996	5.00	0.00	0.03	0.03	0.24	3.06	1949.34	1949.34	6073.14	-4123.80
219+10.00 0	675.026	674.980	5.00	0.04	0.22	0.22	0.29	2.65	1949.56	1949.56	6075.79	-4126.23
220+0.000	675.022	674.951	5.00	0.02	0.31	0.31	0.49	3.94	1949.88	1949.88	6079.73	-4129.85
220+10.00 0	674.954	674.912	5.00	0.09	0.58	0.58	0.35	4.23	1950.46	1950.46	6083.96	-4133.51
221+0.000	674.812	674.786	5.00	0.28	1.87	1.87	0.22	2.88	1952.33	1952.33	6086.84	-4134.51
221+10.00 0	674.595	674.634	5.00	0.70	4.90	4.90	0.00	1.12	1957.23	1957.23	6087.96	-4130.73
222+0.000	674.312	674.448	5.00	1.34	10.24	10.24	0.00	0.00	1967.47	1967.47	6087.96	-4120.49
222+10.00 0	674.018	674.238	5.00	1.68	15.19	15.19	0.00	0.00	1982.66	1982.66	6087.96	-4105.30
223+0.000	673.725	674.010	5.00	2.28	19.67	19.67	0.00	0.00	2002.33	2002.33	6087.96	-4085.63
223+10.00 0	673.432	673.759	5.00	2.69	24.98	24.98	0.00	0.00	2027.32	2027.32	6087.96	-4060.64
224+0.000	673.139	673.434	5.00	2.28	24.96	24.96	0.00	0.00	2052.28	2052.28	6087.96	-4035.68


Relatório de Volumes

BAIRRO CONCEIÇÃO


Estaca Inicial: 0+0.000

Estaca Final: 200

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m²)	Volume de Corte (m³)	Vol. Reuso (m³)	Área de Aterro (m²)	Volume Aterro (m³)	Vol. Acum. Corte (m³)	Vol. Reuso Acum. (m³)	Vol. Acum. Aterro (m³)	Dif. Vol. Acum. (m³)
0+0.000	956.333	956.333	0.00	1.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	955.664	955.680	5.00	1.18	11.16	11.16	0.00	0.00	11.16	11.16	0.00	11.16
1+0.000	954.995	955.018	5.00	0.97	10.73	10.73	0.00	0.00	21.89	21.89	0.00	21.89
1+10.000	954.326	954.314	5.00	0.76	8.62	8.62	0.00	0.01	30.51	30.51	0.01	30.50
2+0.000	953.657	953.613	5.00	0.61	6.82	6.82	0.02	0.13	37.32	37.32	0.14	37.19
2+10.000	952.988	952.919	5.00	0.50	5.52	5.52	0.06	0.41	42.85	42.85	0.54	42.31
3+0.000	952.319	952.267	5.00	0.37	4.35	4.35	0.07	0.64	47.19	47.19	1.19	46.01
3+10.000	951.650	951.731	5.00	0.82	5.97	5.97	0.00	0.35	53.16	53.16	1.54	51.62
4+0.000	950.981	950.945	5.00	0.30	5.59	5.59	0.03	0.14	58.75	58.75	1.68	57.07
4+10.000	950.312	950.214	5.00	0.02	1.60	1.60	0.29	1.62	60.36	60.36	3.30	57.05
5+0.000	949.644	949.470	5.00	0.00	0.12	0.12	1.19	7.45	60.48	60.48	10.75	49.73
5+10.000	948.975	948.592	5.00	0.00	0.00	0.00	2.04	16.17	60.48	60.48	26.92	33.56
6+0.000	948.306	947.712	5.00	0.00	0.00	0.00	2.60	23.18	60.48	60.48	50.10	10.38
6+10.000	947.637	946.828	5.00	0.00	0.00	0.00	3.03	28.14	60.48	60.48	78.24	-17.76
7+0.000	946.968	946.039	5.00	0.00	0.00	0.00	3.33	31.80	60.48	60.48	110.05	-49.57
7+10.000	946.299	945.521	5.00	0.00	0.00	0.00	3.29	33.13	60.48	60.48	143.18	-82.70
8+0.000	945.630	945.068	5.00	0.00	0.00	0.00	2.72	30.04	60.48	60.48	173.21	-112.74
8+10.000	944.961	944.726	5.00	0.00	0.00	0.00	1.17	19.45	60.48	60.48	192.66	-132.19
9+0.000	944.292	944.396	5.00	1.00	4.98	4.98	0.00	5.88	65.46	65.46	198.54	-133.08
9+10.000	943.639	944.038	5.00	3.91	24.53	24.53	0.00	0.00	90.00	90.00	198.54	-108.55
10+0.000	943.183	943.831	5.00	6.19	50.57	50.57	0.00	0.00	140.56	140.56	198.54	-57.98
10+10.000	942.972	943.900	5.00	8.17	71.80	71.80	0.00	0.00	212.36	212.36	198.54	13.82
11+0.000	943.008	943.394	5.00	4.20	61.60	61.60	0.00	0.00	273.96	273.96	198.54	75.42
11+10.000	943.274	943.271	5.00	0.86	25.21	25.21	0.00	0.00	299.17	299.17	198.55	100.62
12+0.000	943.591	943.183	5.00	0.00	4.33	4.33	2.33	11.63	303.51	303.51	210.18	93.33
12+10.000	943.907	943.380	5.00	0.00	0.00	0.00	3.23	27.78	303.51	303.51	237.96	65.55
13+0.000	944.223	943.657	5.00	0.00	0.00	0.00	3.58	33.93	303.51	303.51	271.89	31.62
13+10.000	944.539	943.825	5.00	0.00	0.00	0.00	4.57	40.72	303.51	303.51	312.61	-9.10
14+0.000	944.855	944.017	5.00	0.00	0.00	0.00	5.63	51.09	303.51	303.51	363.70	-60.20
14+10.000	945.172	944.366	5.00	0.00	0.00	0.00	5.50	55.72	303.51	303.51	419.42	-115.92
15+0.000	945.488	944.769	5.00	0.00	0.00	0.00	4.34	49.20	303.51	303.51	468.63	-165.12
15+10.000	945.804	945.430	5.00	0.00	0.00	0.00	2.17	32.56	303.51	303.51	501.19	-197.68
16+0.000	946.120	945.902	5.00	0.00	0.00	0.00	1.05	16.08	303.51	303.51	517.26	-213.76
16+10.000	946.437	946.422	5.00	0.27	1.33	1.33	0.00	5.27	304.84	304.84	522.53	-217.69
17+0.000	946.753	946.949	5.00	1.72	9.95	9.95	0.00	0.04	314.79	314.79	522.57	-207.78
17+10.000	947.069	947.499	5.00	3.33	25.29	25.29	0.00	0.00	340.07	340.07	522.57	-182.49
18+0.000	947.385	948.052	5.00	5.04	41.82	41.82	0.00	0.00	381.90	381.90	522.57	-140.67
18+10.000	947.702	948.625	5.00	7.04	60.41	60.41	0.00	0.00	442.30	442.30	522.57	-80.26
19+0.000	948.018	949.198	5.00	9.19	81.19	81.19	0.00	0.00	523.50	523.50	522.57	0.93
19+10.000	948.334	949.692	5.00	10.88	100.35	100.35	0.00	0.00	623.85	623.85	522.57	101.28
20+0.000	948.650	950.181	5.00	12.61	117.44	117.44	0.00	0.00	741.29	741.29	522.57	218.73
20+10.000	948.966	950.635	5.00	14.26	134.08	134.08	0.00	0.00	875.37	875.37	522.57	352.80
21+0.000	949.283	951.070	5.00	15.78	150.20	150.20	0.00	0.00	1025.57	1025.57	522.57	503.00
21+10.000	949.599	951.389	5.00	16.18	160.16	160.16	0.00	0.00	1185.73	1185.73	522.57	663.16
22+0.000	949.915	951.678	5.00	16.32	162.50	162.50	0.00	0.00	1348.23	1348.23	522.57	825.66
22+10.000	950.231	952.013	5.00	16.77	165.47	165.47	0.00	0.00	1513.70	1513.70	522.57	991.13
23+0.000	950.548	952.356	5.00	17.12	169.45	169.45	0.00	0.00	1683.14	1683.14	522.57	1160.57
23+10.000	950.864	952.218	5.00	13.41	152.63	152.63	0.00	0.00	1835.77	1835.77	522.57	1313.20
24+0.000	951.180	952.307	5.00	10.67	120.39	120.39	0.00	0.00	1956.16	1956.16	522.57	1433.59
24+10.000	951.496	952.418	5.00	8.28	94.71	94.71	0.00	0.00	2050.87	2050.87	522.57	1528.30
25+0.000	951.813	952.555	5.00	6.17	72.25	72.25	0.00	0.00	2123.12	2123.12	522.57	1600.55
25+10.000	952.129	952.691	5.00	4.22	51.97	51.97	0.00	0.00	2175.09	2175.09	522.57	1652.52
26+0.000	952.445	952.827	5.00	2.68	34.52	34.52	0.00	0.00	2209.60	2209.60	522.57	1687.03
26+10.000	952.761	952.963	5.00	1.38	20.32	20.32	0.00	0.00	2229.92	2229.92	522.57	1707.35
27+0.000	953.077	953.118	5.00	0.32	8.54	8.54	0.02	0.12	2238.46	2238.46	522.69	1715.77
27+10.000	953.394	953.277	5.00	0.00	1.62	1.62	0.70	3.62	2240.08	2240.08	526.31	1713.77
28+0.000	953.710	953.460	5.00	0.00	0.00	0.00	1.67	11.85	2240.08	2240.08	538.15	1701.93
28+10.000	954.026	953.669	5.00	0.00	0.00	0.00	2.48	20.77	2240.08	2240.08	558.92	1681.16
29+0.000	954.342	953.891	5.00	0.00	0.00	0.00	3.15	28.15	2240.08	2240.08	587.07	1653.01
29+10.000	954.659	954.202	5.00	0.00	0.00	0.00	3.34	32.42	2240.08	2240.08	619.49	1620.59


 JOTA BARRAS PROJETOS
 Arthur Moreira Torquato
 Engº Civil - CREA 539000 - CE

105+10.00 0	914.742	914.293	5.00	0.00	0.03	0.03	1.96	29.79	6768.28	6768.28	2534.92	4233.36
106+0.000	914.262	914.099	5.00	0.06	0.31	0.31	0.56	12.63	6768.59	6768.59	2547.55	4221.05
106+10.00 0	913.782	913.896	5.00	0.68	3.67	3.67	0.01	2.88	6772.27	6772.27	2550.43	4221.84
107+0.000	913.302	913.693	5.00	1.34	10.09	10.09	0.00	0.07	6782.36	6782.36	2550.50	4231.86
107+10.00 0	912.822	912.992	5.00	1.02	11.81	11.81	0.00	0.00	6794.16	6794.16	2550.50	4243.66
108+0.000	912.342	912.213	5.00	0.00	5.09	5.09	0.88	4.47	6799.26	6799.26	2554.97	4244.29
108+10.00 0	911.862	911.448	5.00	0.00	0.02	0.02	3.24	20.61	6799.28	6799.28	2575.57	4223.70
109+0.000	911.382	910.703	5.00	0.00	0.00	0.00	5.57	44.08	6799.28	6799.28	2619.65	4179.62
109+10.00 0	910.902	909.967	5.00	0.00	0.00	0.00	7.19	63.82	6799.28	6799.28	2683.47	4115.81
110+0.000	910.422	909.280	5.00	0.00	0.00	0.00	7.53	73.58	6799.28	6799.28	2757.05	4042.22
110+10.00 0	909.942	908.865	5.00	0.00	0.00	0.00	6.94	72.36	6799.28	6799.28	2829.41	3969.86
111+0.000	909.462	908.476	5.00	0.00	0.00	0.00	5.17	60.57	6799.28	6799.28	2889.98	3909.29
111+10.00 0	908.982	908.158	5.00	0.00	0.00	0.00	3.63	43.99	6799.28	6799.28	2933.97	3865.30
112+0.000	908.512	907.949	5.00	0.07	0.35	0.35	2.49	30.59	6799.62	6799.62	2964.57	3835.05
112+10.00 0	908.140	907.792	5.00	0.07	0.70	0.70	1.32	19.03	6800.33	6800.33	2983.60	3816.73
113+0.000	907.886	907.639	5.00	0.10	0.93	0.93	0.87	10.76	6801.25	6801.25	2994.36	3806.89
113+10.00 0	907.750	907.496	5.00	0.00	0.52	0.52	1.14	10.05	6801.78	6801.78	3004.40	3797.37
114+0.000	907.722	907.354	5.00	0.00	0.00	0.00	2.04	15.93	6801.78	6801.78	3020.33	3781.44
114+10.00 0	907.714	907.306	5.00	0.00	0.00	0.00	2.56	23.05	6801.78	6801.78	3043.39	3758.39
115+0.000	907.706	907.193	5.00	0.00	0.00	0.00	3.18	28.68	6801.78	6801.78	3072.07	3729.70
115+10.00 0	907.698	907.118	5.00	0.00	0.00	0.00	3.75	34.62	6801.78	6801.78	3106.69	3695.09
116+0.000	907.691	907.048	5.00	0.00	0.00	0.00	4.30	40.26	6801.78	6801.78	3146.94	3654.83
116+10.00 0	907.683	906.947	5.00	0.00	0.00	0.00	5.05	46.70	6801.78	6801.78	3193.65	3608.13
117+0.000	907.675	906.820	5.00	0.00	0.00	0.00	6.03	55.43	6801.78	6801.78	3249.08	3552.70
117+10.00 0	907.667	906.702	5.00	0.00	0.00	0.00	7.07	65.47	6801.78	6801.78	3314.54	3487.23
118+0.000	907.659	906.586	5.00	0.00	0.00	0.00	8.10	75.81	6801.78	6801.78	3390.36	3411.42
118+10.00 0	907.651	906.480	5.00	0.00	0.00	0.00	9.10	85.98	6801.78	6801.78	3476.34	3325.44
119+0.000	907.644	906.378	5.00	0.00	0.00	0.00	9.91	95.08	6801.78	6801.78	3571.42	3230.36
119+10.00 0	907.636	906.336	5.00	0.00	0.00	0.00	10.30	101.05	6801.78	6801.78	3672.47	3129.31
120+0.000	907.628	906.298	5.00	0.00	0.00	0.00	10.64	104.72	6801.78	6801.78	3777.19	3024.59
120+10.00 0	907.620	906.268	5.00	0.00	0.00	0.00	10.85	107.45	6801.78	6801.78	3884.64	2917.14
121+0.000	907.613	906.238	5.00	0.00	0.00	0.00	10.88	108.62	6801.78	6801.78	3993.26	2808.52
121+10.00 0	907.611	906.240	5.00	0.00	0.00	0.00	10.77	108.26	6801.78	6801.78	4101.52	2700.26
122+0.000	907.614	906.240	5.00	0.00	0.00	0.00	10.66	80.43	6801.78	6801.78	4181.95	2619.83
122+10.00 0	907.623	906.287	5.00	0.00	0.00	0.00	10.35	105.30	6801.78	6801.78	4287.25	2514.53
123+0.000	907.638	906.388	5.00	0.00	0.00	0.00	9.18	97.83	6801.78	6801.78	4385.08	2416.70
123+10.00 0	907.656	906.538	5.00	0.00	0.00	0.00	7.25	82.18	6801.78	6801.78	4467.26	2334.52
124+0.000	907.673	906.825	5.00	0.00	0.00	0.00	4.82	60.34	6801.78	6801.78	4527.59	2274.18
124+10.00 0	907.691	907.114	5.00	0.54	2.71	2.71	1.25	30.37	6804.49	6804.49	4557.96	2246.52
125+0.000	907.718	908.010	5.00	7.96	42.49	42.49	0.00	6.26	6846.97	6846.97	4564.22	2282.75
125+10.00 0	907.930	908.919	5.00	13.75	108.54	108.54	0.00	0.00	6955.52	6955.52	4564.22	2391.30
126+0.000	908.396	909.550	5.00	14.77	142.63	142.63	0.00	0.00	7098.15	7098.15	4564.22	2533.93
126+10.00 0	909.116	910.049	5.00	11.99	133.83	133.83	0.00	0.00	7231.98	7231.98	4564.22	2667.76
127+0.000	910.081	910.513	5.00	7.43	97.10	97.10	0.00	0.00	7329.09	7329.09	4564.22	2764.86
127+10.00 0	911.114	911.001	5.00	5.24	64.32	64.32	0.14	0.71	7393.40	7393.40	4564.93	2828.47
128+0.000	912.148	911.716	5.00	3.58	46.22	46.22	1.17	6.54	7439.62	7439.62	4571.48	2868.15
128+10.00 0	913.181	912.633	5.00	0.23	19.55	19.55	2.15	16.59	7459.17	7459.17	4588.07	2871.11
129+0.000	914.214	913.648	5.00	0.00	1.03	1.03	2.85	25.03	7460.20	7460.20	4613.09	2847.11
129+10.00 0	915.248	914.987	5.00	0.00	0.00	0.00	1.31	20.78	7460.20	7460.20	4633.87	2826.33
130+0.000	916.281	915.884	5.00	0.00	0.00	0.00	3.47	24.00	7460.20	7460.20	4657.87	2802.33
130+10.00 0	917.223	916.801	5.00	0.00	0.00	0.00	6.47	50.07	7460.20	7460.20	4707.94	2752.26
131+0.000	917.956	917.776	5.00	0.00	0.00	0.00	8.69	75.81	7460.20	7460.20	4783.76	2676.45
131+10.00 0	918.480	918.812	5.00	1.14	5.71	5.71	10.95	98.21	7465.92	7465.92	4881.97	2583.95
132+0.000	918.794	919.902	5.00	2.26	17.00	17.00	11.71	113.33	7482.92	7482.92	4995.30	2487.62
132+10.00 0	918.898	919.805	5.00	2.62	24.07	24.07	8.96	107.60	7506.99	7506.99	5102.90	2404.09
133+0.000	918.794	919.190	5.00	1.67	21.45	21.45	3.99	64.75	7528.44	7528.44	5167.65	2360.79
133+10.00 0	918.480	918.579	5.00	0.72	11.62	11.62	11.69	84.07	7540.06	7540.06	5251.72	2288.34


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134+0.000	917.965	917.924	5.00	0.51	6.04	6.04	11.18	117.65	7546.10	7546.10	5369.37	2176.73
134+10.00 0	917.398	917.284	5.00	0.30	4.06	4.06	11.95	113.18	7550.15	7550.15	5482.56	2067.60
135+0.000	916.831	916.224	5.00	0.00	1.50	1.50	16.33	138.84	7551.65	7551.65	5621.39	1930.26
135+10.00 0	916.264	914.885	5.00	0.00	0.00	0.00	21.06	184.61	7551.65	7551.65	5806.01	1745.65
136+0.000	915.697	913.619	5.00	0.00	0.00	0.00	22.69	224.73	7551.65	7551.65	6030.74	1520.92
136+10.00 0	915.130	912.840	5.00	0.00	0.00	0.00	20.31	215.00	7551.65	7551.65	6245.74	1305.92
137+0.000	914.563	912.061	5.00	0.00	0.00	0.00	18.70	195.05	7551.65	7551.65	6440.78	1110.87
137+10.00 0	913.996	911.447	5.00	0.00	0.00	0.00	17.30	180.86	7551.65	7551.65	6621.64	930.01
138+0.000	913.429	910.901	5.00	0.00	0.00	0.00	16.63	169.69	7551.65	7551.65	6791.33	760.33
138+10.00 0	912.862	910.493	5.00	0.00	0.00	0.00	16.29	164.62	7551.65	7551.65	6955.95	595.70
139+0.000	912.295	910.088	5.00	0.00	0.00	0.00	15.17	157.31	7551.65	7551.65	7113.26	438.40
139+10.00 0	911.728	909.726	5.00	0.00	0.00	0.00	13.15	141.58	7551.65	7551.65	7254.83	296.82
140+0.000	911.161	909.363	5.00	0.00	0.00	0.00	10.22	116.82	7551.65	7551.65	7371.65	180.00
140+10.00 0	910.593	909.347	5.00	0.13	0.65	0.65	6.25	82.34	7552.30	7552.30	7454.00	98.31
141+0.000	910.026	909.404	5.00	0.20	1.66	1.66	2.70	44.55	7553.97	7553.97	7498.55	55.42
141+10.00 0	909.459	909.470	5.00	0.82	5.13	5.13	0.00	13.44	7559.09	7559.09	7511.99	47.10
142+0.000	908.892	909.196	5.00	2.03	14.23	14.23	0.00	0.00	7573.32	7573.32	7511.99	61.33
142+10.00 0	908.325	908.696	5.00	2.83	24.28	24.28	0.00	0.00	7597.60	7597.60	7511.99	85.61
143+0.000	907.758	908.196	5.00	3.79	33.08	33.08	0.00	0.00	7630.68	7630.68	7511.99	118.69
143+10.00 0	907.191	907.733	5.00	4.79	43.07	43.07	0.00	0.00	7673.75	7673.75	7511.99	161.76
144+0.000	906.624	907.320	5.00	5.89	53.40	53.40	0.00	0.00	7727.15	7727.15	7511.99	215.16
144+10.00 0	906.057	906.911	5.00	6.92	64.02	64.02	0.00	0.00	7791.17	7791.17	7511.99	279.18
145+0.000	905.490	906.503	5.00	8.05	74.82	74.82	0.00	0.00	7865.98	7865.98	7511.99	353.99
145+10.00 0	904.923	906.091	5.00	9.21	86.37	86.37	0.00	0.00	7952.35	7952.35	7511.99	440.36
146+0.000	904.356	905.353	5.00	9.26	92.35	92.35	0.00	0.00	8044.70	8044.70	7511.99	532.71
146+10.00 0	903.789	904.852	5.00	9.65	94.51	94.51	0.00	0.00	8139.21	8139.21	7511.99	627.22
147+0.000	903.222	903.948	5.00	7.19	84.39	84.39	0.00	0.00	8223.61	8223.61	7511.99	711.62
147+10.00 0	902.655	903.114	5.00	4.89	60.44	60.44	0.00	0.00	8284.04	8284.04	7511.99	772.05
148+0.000	902.111	902.427	5.00	3.62	42.13	42.13	0.00	0.00	8326.18	8326.18	7511.99	814.19
148+10.00 0	901.696	901.910	5.00	3.06	32.97	32.97	0.00	0.00	8359.15	8359.15	7511.99	847.16
149+0.000	901.423	901.468	5.00	1.72	23.89	23.89	0.00	0.00	8383.04	8383.04	7511.99	871.05
149+10.00 0	901.292	901.146	5.00	0.64	11.54	11.54	0.38	1.90	8394.58	8394.58	7513.89	880.68
150+0.000	901.279	900.950	5.00	0.07	3.57	3.57	1.32	8.46	8398.15	8398.15	7522.35	875.80
150+10.00 0	901.279	900.895	5.00	0.00	0.35	0.35	2.07	16.91	8398.50	8398.50	7539.27	859.24
151+0.000	901.279	900.841	5.00	0.00	0.00	0.00	2.64	23.53	8398.50	8398.50	7562.80	835.70
151+10.00 0	901.279	900.746	5.00	0.00	0.00	0.00	3.21	29.23	8398.50	8398.50	7592.03	806.47
152+0.000	901.279	900.640	5.00	0.00	0.00	0.00	3.98	35.95	8398.50	8398.50	7627.99	770.52
152+10.00 0	901.279	900.564	5.00	0.00	0.00	0.00	4.82	44.02	8398.50	8398.50	7672.00	726.50
153+0.000	901.279	900.465	5.00	0.00	0.00	0.00	5.73	52.71	8398.50	8398.50	7724.71	673.79
153+10.00 0	901.279	900.395	5.00	0.00	0.00	0.00	6.26	59.94	8398.50	8398.50	7784.66	613.85
154+0.000	901.279	900.228	5.00	0.00	0.00	0.00	7.04	66.04	8398.50	8398.50	7850.70	547.80
154+10.00 0	901.279	900.123	5.00	0.00	0.00	0.00	8.04	75.38	8398.50	8398.50	7926.08	472.42
155+0.000	901.279	900.086	5.00	0.00	0.00	0.00	8.62	83.55	8398.50	8398.50	8009.63	388.87
155+10.00 0	901.279	900.138	5.00	0.00	0.00	0.00	8.34	85.07	8398.50	8398.50	8094.70	303.80
156+0.000	901.279	900.003	5.00	0.00	0.00	0.00	8.80	85.19	8398.50	8398.50	8179.90	218.61
156+10.00 0	901.279	900.067	5.00	0.00	0.00	0.00	9.26	90.32	8398.50	8398.50	8270.22	128.28
157+0.000	901.279	900.002	5.00	0.00	0.00	0.00	9.88	95.74	8398.50	8398.50	8365.95	32.55
157+10.00 0	901.280	899.930	5.00	0.00	0.00	0.00	10.18	100.40	8398.50	8398.50	8466.36	-67.85
158+0.000	901.284	899.967	5.00	0.00	0.00	0.00	10.12	91.90	8398.50	8398.50	8558.26	-159.75
158+10.00 0	901.291	900.140	5.00	0.00	0.00	0.00	8.69	94.20	8398.50	8398.50	8652.45	-253.95
159+0.000	901.301	900.206	5.00	0.00	0.00	0.00	8.09	83.93	8398.50	8398.50	8736.39	-337.88
159+10.00 0	901.313	900.205	5.00	0.00	0.00	0.00	8.13	81.15	8398.50	8398.50	8817.53	-419.03
160+0.000	901.325	900.253	5.00	0.00	0.00	0.00	7.48	78.16	8398.50	8398.50	8895.69	-497.19
160+10.00 0	901.337	900.390	5.00	0.00	0.00	0.00	5.99	67.50	8398.50	8398.50	8963.19	-564.68
161+0.000	901.349	900.453	5.00	0.00	0.00	0.00	5.05	55.20	8398.50	8398.50	9018.39	-619.89
161+10.00 0	901.361	900.531	5.00	0.00	0.00	0.00	4.37	47.07	8398.50	8398.50	9065.46	-666.96
162+0.000	901.373	900.654	5.00	0.03	0.13	0.13	3.38	39.09	8398.63	8398.63	9104.56	-705.92


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162+10.00 0	901.385	900.892	5.00	0.48	2.52	2.52	1.95	26.62	8401.15	8401.15	9131.18	-730.03
163+0.000	901.425	901.085	5.00	1.15	8.12	8.12	1.00	14.74	8409.27	8409.27	9145.92	-736.65
163+10.00 0	901.660	901.322	5.00	0.46	8.04	8.04	1.41	12.06	8417.31	8417.31	9157.97	-740.66
164+0.000	902.118	901.888	5.00	0.20	3.33	3.33	0.86	11.37	8420.64	8420.64	9169.34	-748.70
164+10.00 0	902.800	902.873	5.00	1.13	6.59	6.59	0.00	4.37	8427.23	8427.23	9173.72	-746.49
165+0.000	903.678	903.969	5.00	3.60	23.63	23.63	0.00	0.00	8450.86	8450.86	9173.72	-722.86
165+10.00 0	904.584	905.160	5.00	4.53	40.64	40.64	0.00	0.00	8491.51	8491.51	9173.72	-682.21
166+0.000	905.490	906.141	5.00	6.92	57.26	57.26	0.00	0.00	8548.77	8548.77	9173.72	-624.95
166+10.00 0	906.396	907.249	5.00	11.40	88.81	88.81	0.00	0.00	8637.58	8637.58	9173.72	-536.14
167+0.000	907.302	908.443	5.00	14.30	128.48	128.48	0.00	0.00	8766.06	8766.06	9173.72	-407.66
167+10.00 0	908.207	909.672	5.00	17.98	162.73	162.73	0.00	0.00	8928.79	8928.79	9173.72	-244.93
168+0.000	909.113	910.344	5.00	19.23	187.55	187.55	0.00	0.00	9116.34	9116.34	9173.72	-57.38
168+10.00 0	910.006	910.742	5.00	10.83	150.28	150.28	0.00	0.00	9266.62	9266.62	9173.72	92.90
169+0.000	910.760	911.139	5.00	4.73	77.78	77.78	0.00	0.00	9344.40	9344.40	9173.72	170.68
169+10.00 0	911.344	911.523	5.00	2.28	34.65	34.65	0.00	0.00	9379.05	9379.05	9173.72	205.33
170+0.000	911.759	911.748	5.00	0.43	13.42	13.42	0.00	0.02	9392.47	9392.47	9173.74	218.73
170+10.00 0	912.004	911.869	5.00	0.02	2.25	2.25	0.47	2.37	9394.72	9394.72	9176.11	218.62
171+0.000	912.079	912.029	5.00	0.02	0.20	0.20	0.25	3.58	9394.92	9394.92	9179.68	215.24
171+10.00 0	911.984	912.093	5.00	0.62	3.21	3.21	0.00	1.23	9398.13	9398.13	9180.91	217.21
172+0.000	911.720	911.702	5.00	0.05	3.32	3.32	0.22	1.10	9401.45	9401.45	9182.01	219.43
172+10.00 0	911.369	911.311	5.00	0.00	0.23	0.23	0.42	3.22	9401.68	9401.68	9185.24	216.44
173+0.000	911.019	910.885	5.00	0.00	0.00	0.00	0.82	6.22	9401.68	9401.68	9191.46	210.22
173+10.00 0	910.669	910.460	5.00	0.00	0.00	0.00	1.17	9.99	9401.68	9401.68	9201.44	200.24
174+0.000	910.319	910.066	5.00	0.00	0.00	0.00	1.47	13.23	9401.68	9401.68	9214.67	187.01
174+10.00 0	909.969	909.672	5.00	0.00	0.00	0.00	2.18	18.24	9401.68	9401.68	9232.91	168.77
175+0.000	909.619	909.232	5.00	0.00	0.00	0.00	4.01	30.96	9401.68	9401.68	9263.87	137.81
175+10.00 0	909.268	908.643	5.00	0.00	0.00	0.00	5.92	49.70	9401.68	9401.68	9313.56	88.12
176+0.000	908.918	908.102	5.00	0.00	0.00	0.00	6.94	64.58	9401.68	9401.68	9378.14	23.54
176+10.00 0	908.568	907.716	5.00	0.00	0.00	0.00	7.27	71.09	9401.68	9401.68	9449.24	-47.55
177+0.000	908.218	907.331	5.00	0.00	0.00	0.00	7.31	72.93	9401.68	9401.68	9522.17	-120.49
177+10.00 0	907.868	906.971	5.00	0.00	0.00	0.00	6.35	68.15	9401.68	9401.68	9590.32	-188.64
178+0.000	907.518	906.772	5.00	0.00	0.00	0.00	5.05	56.99	9401.68	9401.68	9647.30	-245.62
178+10.00 0	907.167	906.583	5.00	0.00	0.00	0.00	3.67	43.82	9401.68	9401.68	9691.13	-289.44
179+0.000	906.817	906.437	5.00	0.00	0.00	0.00	2.13	29.00	9401.68	9401.68	9720.12	-318.44
179+10.00 0	906.467	906.324	5.00	0.25	1.24	1.24	0.79	14.74	9402.92	9402.92	9734.86	-331.94
180+0.000	906.178	906.372	5.00	1.02	6.35	6.35	0.06	4.25	9409.27	9409.27	9739.11	-329.84
180+10.00 0	906.087	906.419	5.00	1.18	11.00	11.00	0.00	0.30	9420.27	9420.27	9739.41	-319.14
181+0.000	906.200	906.467	5.00	0.84	10.09	10.09	0.00	0.05	9430.36	9430.36	9739.46	-309.10
181+10.00 0	906.517	906.705	5.00	0.59	7.17	7.17	0.61	3.06	9437.53	9437.53	9742.52	-304.99
182+0.000	906.976	907.254	5.00	0.91	7.51	7.51	1.53	10.69	9445.04	9445.04	9753.21	-308.18
182+10.00 0	907.440	907.803	5.00	1.29	11.01	11.01	1.67	15.99	9456.05	9456.05	9769.21	-313.15
183+0.000	907.828	908.099	5.00	1.34	13.10	13.10	0.60	11.48	9469.16	9469.16	9780.68	-311.53
183+10.00 0	908.017	908.288	5.00	1.66	15.02	15.02	0.01	3.05	9484.17	9484.17	9783.73	-299.55
184+0.000	908.007	908.094	5.00	0.84	12.50	12.50	0.00	0.05	9496.67	9496.67	9783.78	-287.11
184+10.00 0	907.797	907.560	5.00	0.00	4.14	4.14	1.04	5.20	9500.82	9500.82	9788.98	-288.16
185+0.000	907.387	907.059	5.00	0.00	0.00	0.00	1.62	13.31	9500.82	9500.82	9802.29	-301.47
185+10.00 0	906.777	906.566	5.00	0.00	0.00	0.00	0.94	12.78	9500.82	9500.82	9815.07	-314.26
186+0.000	906.046	906.052	5.00	0.35	1.75	1.75	0.00	4.70	9502.57	9502.57	9819.78	-317.21
186+10.00 0	905.314	905.536	5.00	1.58	9.64	9.64	0.00	0.00	9512.21	9512.21	9819.78	-307.57
187+0.000	904.582	904.800	5.00	1.85	17.14	17.14	0.00	0.00	9529.35	9529.35	9819.78	-290.42
187+10.00 0	903.850	904.021	5.00	1.76	18.05	18.05	0.00	0.00	9547.40	9547.40	9819.78	-272.38
188+0.000	903.129	903.032	5.00	0.92	13.28	13.28	0.24	1.19	9560.68	9560.68	9820.96	-260.28
188+10.00 0	902.540	902.077	5.00	0.30	5.96	5.96	1.93	10.92	9566.64	9566.64	9831.89	-265.24
189+0.000	902.121	901.415	5.00	0.00	1.49	1.49	3.74	28.34	9568.13	9568.13	9860.22	-292.09
189+10.00 0	901.873	900.757	5.00	0.00	0.00	0.00	6.96	53.61	9568.13	9568.13	9913.84	-345.70
190+0.000	901.785	900.422	5.00	0.00	0.00	0.00	10.78	89.16	9568.13	9568.13	10003.0 0	-434.87


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190+10.00 0	901.756	900.338	5.00	0.00	0.00	0.00	11.33	107.40	9568.13	9568.13	10110.4 0	-542.27
191+0.000	901.754	900.459	5.00	0.00	0.00	0.00	10.04	106.69	9568.13	9568.13	10217.1 0	-648.97
191+10.00 0	901.773	900.723	5.00	0.00	0.00	0.00	8.03	90.28	9568.13	9568.13	10307.3 8	-739.25
192+0.000	901.793	900.920	5.00	0.00	0.00	0.00	6.26	71.41	9568.13	9568.13	10378.7 9	-810.65
192+10.00 0	901.813	901.088	5.00	0.00	0.00	0.00	4.18	52.21	9568.13	9568.13	10431.0 0	-862.87
193+0.000	901.930	901.499	5.00	0.13	0.64	0.64	1.28	27.28	9568.77	9568.77	10458.2 8	-889.51
193+10.00 0	902.253	902.069	5.00	3.58	18.54	18.54	0.22	7.50	9587.31	9587.31	10465.7 8	-878.47
194+0.000	902.781	902.828	5.00	7.56	56.06	56.06	0.00	1.10	9643.37	9643.37	10466.8 7	-823.50
194+10.00 0	903.515	903.784	5.00	8.48	80.22	80.22	0.00	0.00	9723.59	9723.59	10466.8 7	-743.28
195+0.000	904.357	904.702	5.00	7.54	79.95	79.95	0.00	0.00	9803.54	9803.54	10466.8 7	-663.33
195+10.00 0	905.198	905.600	5.00	6.32	69.27	69.27	0.00	0.00	9872.81	9872.81	10466.8 7	-594.06
196+0.000	906.018	906.403	5.00	4.30	52.69	52.69	0.00	0.00	9925.50	9925.50	10466.8 7	-541.37
196+10.00 0	906.777	907.154	5.00	3.23	37.68	37.68	0.11	0.56	9963.18	9963.18	10467.4 3	-504.25
197+0.000	907.474	907.829	5.00	2.50	28.68	28.68	0.57	3.41	9991.86	9991.86	10470.8 4	-478.99
197+10.00 0	908.110	908.482	5.00	1.50	20.02	20.02	0.79	6.82	10011.88	10011.8 8	10477.6 7	-465.79
198+0.000	908.685	908.930	5.00	0.56	10.36	10.36	1.02	8.97	10022.24	10022.2 4	10486.6 3	-464.39
198+10.00 0	909.199	909.363	5.00	0.25	4.05	4.05	1.13	10.51	10026.29	10026.2 9	10497.1 4	-470.85
199+0.000	909.651	909.635	5.00	0.00	1.22	1.22	1.68	14.18	10027.51	10027.5 1	10511.3 1	-483.80
199+10.00 0	910.043	909.945	5.00	0.00	0.00	0.00	2.18	19.32	10027.51	10027.5 1	10530.6 4	-503.12
200+0.000	910.372	910.253	5.00	0.00	0.00	0.00	2.27	22.29	10027.51	10027.5 1	10552.9 2	-525.41


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Relatório de Volumes

TRECHO QUICE A SUSSUANHA DO MOSTEIRO (BAIUCA)

Estaca Inicial: 0+0.000

Estaca Final: 274+11.811

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	891.020	891.020	0.00	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0+10.000	891.210	891.129	5.00	0.08	3.01	3.01	0.37	1.87	3.01	3.01	1.87	1.15
1+0.000	891.400	891.286	5.00	0.01	0.44	0.44	0.54	4.58	3.45	3.45	6.45	-3.00
1+10.000	891.590	891.474	5.00	0.00	0.06	0.06	0.37	4.57	3.51	3.51	11.02	-7.51
2+0.000	891.780	891.778	5.00	0.31	1.56	1.56	0.00	1.85	5.07	5.07	12.87	-7.80
2+10.000	891.970	891.746	5.00	0.06	1.84	1.84	0.63	3.16	6.91	6.91	16.04	-9.13
3+0.000	892.160	891.991	5.00	0.06	0.60	0.60	0.39	5.09	7.51	7.51	21.13	-13.62
3+10.000	892.350	892.225	5.00	0.08	0.70	0.70	0.27	3.30	8.21	8.21	24.43	-16.22
4+0.000	892.540	892.436	5.00	0.10	0.90	0.90	0.20	2.35	9.11	9.11	26.78	-17.67
4+10.000	892.731	892.697	5.00	0.20	1.50	1.50	0.04	1.17	10.61	10.61	27.95	-17.34
5+0.000	892.921	892.917	5.00	0.30	2.48	2.48	0.00	0.19	13.09	13.09	28.13	-15.05
5+10.000	893.111	893.028	5.00	0.04	1.71	1.71	0.24	1.20	14.80	14.80	29.34	-14.54
6+0.000	893.301	893.176	5.00	0.00	0.22	0.22	0.93	5.87	15.02	15.02	35.21	-20.19
6+10.000	893.484	893.349	5.00	0.00	0.01	0.01	1.86	14.00	15.03	15.03	49.21	-34.18
7+0.000	893.565	893.530	5.00	0.00	0.00	0.00	2.03	19.46	15.03	15.03	68.67	-53.64
7+10.000	893.513	893.547	5.00	0.10	0.51	0.51	1.39	17.11	15.53	15.53	85.77	-70.24
8+0.000	893.328	893.200	5.00	0.00	0.50	0.50	1.09	12.39	16.04	16.04	98.17	-82.13
8+10.000	893.017	892.855	5.00	0.00	0.00	0.00	0.60	8.48	16.04	16.04	106.65	-90.61
9+0.000	892.676	892.535	5.00	0.00	0.01	0.01	0.52	5.60	16.05	16.05	112.25	-96.20
9+10.000	892.336	892.251	5.00	0.00	0.02	0.02	0.23	3.75	16.07	16.07	116.00	-99.93
10+0.000	891.995	891.967	5.00	0.15	0.75	0.75	0.02	1.27	16.83	16.83	117.27	-100.45
10+10.000	891.654	891.684	5.00	0.49	3.19	3.19	0.00	0.12	20.01	20.01	117.39	-97.38
11+0.000	891.313	891.379	5.00	0.74	6.13	6.13	0.00	0.00	26.14	26.14	117.39	-91.25
11+10.000	890.972	890.955	5.00	0.19	4.62	4.62	0.01	0.05	30.76	30.76	117.44	-86.68
12+0.000	890.631	890.846	5.00	1.74	9.67	9.67	0.00	0.05	40.43	40.43	117.50	-77.07
12+10.000	890.291	890.737	5.00	3.53	26.36	26.36	0.00	0.00	66.78	66.78	117.50	-50.71
13+0.000	889.950	890.628	5.00	5.52	45.25	45.25	0.00	0.00	112.03	112.03	117.50	-5.46
13+10.000	889.609	890.298	5.00	5.66	55.91	55.91	0.00	0.00	167.94	167.94	117.50	50.45
14+0.000	889.268	889.712	5.00	3.54	45.98	45.98	0.00	0.00	213.93	213.93	117.50	96.43
14+10.000	888.927	889.126	5.00	1.66	25.97	25.97	0.00	0.00	239.90	239.90	117.50	122.40
15+0.000	888.613	888.540	5.00	0.47	10.65	10.65	0.07	0.34	250.55	250.55	117.84	132.71
15+10.000	888.379	888.230	5.00	0.20	3.35	3.35	0.42	2.46	253.89	253.89	120.29	133.60
16+0.000	888.227	887.940	5.00	0.01	1.05	1.05	1.32	8.68	254.95	254.95	128.97	125.98
16+10.000	888.157	887.745	5.00	0.00	0.05	0.05	2.41	18.67	255.00	255.00	147.64	107.36
17+0.000	888.142	887.575	5.00	0.00	0.00	0.00	3.32	28.66	255.00	255.00	176.29	78.71
17+10.000	888.130	887.401	5.00	0.00	0.00	0.00	4.15	37.35	255.00	255.00	213.65	41.35
18+0.000	888.117	887.227	5.00	0.00	0.00	0.00	4.93	45.39	255.00	255.00	259.04	-4.04
18+10.000	888.104	887.085	5.00	0.00	0.00	0.00	5.81	53.64	255.00	255.00	312.67	-57.67
19+0.000	888.092	886.948	5.00	0.00	0.00	0.00	6.77	62.90	255.00	255.00	375.57	-120.57
19+10.000	888.079	886.835	5.00	0.00	0.00	0.00	7.75	72.62	255.00	255.00	448.19	-193.19
20+0.000	888.066	886.735	5.00	0.00	0.00	0.00	8.68	82.19	255.00	255.00	530.37	-275.37
20+10.000	888.054	886.645	5.00	0.00	0.00	0.00	9.89	92.50	255.00	255.00	622.87	-367.87
21+0.000	888.041	886.566	5.00	0.00	0.00	0.00	11.25	105.67	255.00	255.00	728.54	-473.54
21+10.000	888.030	886.503	5.00	0.00	0.00	0.00	12.50	118.78	255.00	255.00	847.32	-592.32
22+0.000	888.025	886.487	5.00	0.00	0.00	0.00	13.01	127.58	255.00	255.00	974.91	-719.91
22+10.000	888.024	886.619	5.00	0.00	0.00	0.00	11.91	124.61	255.00	255.00	1099.52	-844.52
23+0.000	888.028	886.753	5.00	0.00	0.00	0.00	10.53	112.20	255.00	255.00	1211.72	-956.72
23+10.000	888.036	886.924	5.00	0.00	0.00	0.00	8.89	97.25	255.00	255.00	1308.97	-1053.97
24+0.000	888.043	887.107	5.00	0.00	0.00	0.00	7.24	80.68	255.00	255.00	1389.65	-1134.65
24+10.000	888.050	887.290	5.00	0.00	0.00	0.00	5.67	64.57	255.00	255.00	1454.22	-1199.22
25+0.000	888.057	887.458	5.00	0.00	0.00	0.00	4.36	49.93	255.00	255.00	1504.15	-1249.15
25+10.000	888.064	887.608	5.00	0.00	0.00	0.00	3.30	38.28	255.00	255.00	1542.44	-1287.44
26+0.000	888.072	887.758	5.00	0.00	0.00	0.00	2.24	27.72	255.00	255.00	1570.16	-1315.16
26+10.000	888.079	887.879	5.00	0.00	0.00	0.00	1.22	17.21	255.00	255.00	1587.37	-1332.37
27+0.000	888.086	888.029	5.00	0.10	0.49	0.49	0.63	9.26	255.49	255.49	1596.63	-1341.14


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27+10.000	888.093	888.091	5.00	0.14	1.17	1.17	0.67	6.51	256.66	256.66	1603.14	-1346.48
28+0.000	888.064	888.094	5.00	0.24	1.90	1.90	0.67	6.74	258.56	258.56	1609.89	-1351.32
28+10.000	887.972	888.085	5.00	0.60	4.21	4.21	0.51	5.92	262.77	262.77	1615.81	-1353.04
29+0.000	887.817	887.799	5.00	0.19	3.93	3.93	0.28	3.97	266.70	266.70	1619.77	-1353.08
29+10.000	887.598	887.520	5.00	0.04	1.16	1.16	0.21	2.43	267.86	267.86	1622.20	-1354.34
30+0.000	887.352	887.292	5.00	0.05	0.44	0.44	0.24	2.20	268.29	268.29	1624.40	-1356.11
30+10.000	887.105	887.081	5.00	0.10	0.74	0.74	0.08	1.60	269.03	269.03	1626.00	-1356.97
31+0.000	886.859	886.941	5.00	0.79	4.47	4.47	0.00	0.41	273.50	273.50	1626.42	-1352.92
31+10.000	886.612	886.843	5.00	1.79	12.88	12.88	0.00	0.00	286.38	286.38	1626.42	-1340.04
32+0.000	886.366	886.724	5.00	2.74	22.63	22.63	0.00	0.00	309.00	309.00	1626.42	-1317.41
32+10.000	886.119	886.370	5.00	2.55	26.43	26.43	0.00	0.00	335.44	335.44	1626.42	-1290.98
33+0.000	885.873	886.077	5.00	2.34	24.40	24.40	0.00	0.00	359.84	359.84	1626.42	-1266.58
33+10.000	885.626	885.922	5.00	2.64	24.88	24.88	0.00	0.00	384.72	384.72	1626.42	-1241.70
34+0.000	885.380	885.768	5.00	3.00	28.17	28.17	0.00	0.00	412.88	412.88	1626.42	-1213.53
34+10.000	885.133	885.602	5.00	3.54	32.71	32.71	0.00	0.00	445.60	445.60	1626.42	-1180.82
35+0.000	884.887	885.351	5.00	4.23	38.87	38.87	0.00	0.00	484.47	484.47	1626.42	-1141.95
35+10.000	884.640	885.386	5.00	5.87	50.49	50.49	0.00	0.00	534.95	534.95	1626.42	-1091.46
36+0.000	884.394	885.260	5.00	7.24	65.57	65.57	0.00	0.00	600.52	600.52	1626.42	-1025.90
36+10.000	884.147	885.135	5.00	8.46	78.52	78.52	0.00	0.00	679.04	679.04	1626.42	-947.38
37+0.000	883.901	884.947	5.00	8.34	83.98	83.98	0.00	0.00	763.02	763.02	1626.42	-863.39
37+10.000	883.655	884.620	5.00	7.24	77.89	77.89	0.00	0.00	840.91	840.91	1626.42	-785.50
38+0.000	883.408	884.293	5.00	5.34	62.82	62.82	0.00	0.00	903.74	903.74	1626.42	-722.68
38+10.000	883.162	883.837	5.00	4.16	46.98	46.98	0.00	0.00	950.71	950.71	1626.42	-675.70
39+0.000	882.915	883.369	5.00	3.06	36.13	36.13	0.00	0.00	986.84	986.84	1626.42	-639.58
39+10.000	882.669	882.914	5.00	1.92	24.98	24.98	0.00	0.00	1011.82	1011.82	1626.42	-614.60
40+0.000	882.422	882.669	5.00	1.69	18.01	18.01	0.00	0.00	1029.83	1029.83	1626.42	-596.58
40+10.000	882.176	882.581	5.00	2.31	20.05	20.05	0.00	0.00	1049.88	1049.88	1626.42	-576.54
41+0.000	881.929	882.388	5.00	2.73	25.21	25.21	0.00	0.00	1075.09	1075.09	1626.42	-551.33
41+10.000	881.683	882.186	5.00	3.20	29.63	29.63	0.00	0.00	1104.71	1104.71	1626.42	-521.70
42+0.000	881.436	881.844	5.00	3.24	32.19	32.19	0.00	0.00	1136.91	1136.91	1626.42	-489.51
42+10.000	881.190	881.514	5.00	3.04	31.41	31.41	0.00	0.00	1168.32	1168.32	1626.42	-458.10
43+0.000	880.943	881.394	5.00	2.92	29.80	29.80	0.00	0.00	1198.12	1198.12	1626.42	-428.30
43+10.000	880.697	881.275	5.00	2.96	29.39	29.39	0.00	0.00	1227.51	1227.51	1626.42	-398.90
44+0.000	880.450	881.053	5.00	3.25	30.99	30.99	0.00	0.00	1258.50	1258.50	1626.42	-367.92
44+10.000	880.204	880.797	5.00	3.31	32.83	32.83	0.00	0.00	1291.32	1291.32	1626.42	-335.09
45+0.000	879.957	880.071	5.00	1.85	26.60	26.60	0.03	0.14	1317.93	1317.93	1626.55	-308.63
45+10.000	879.711	879.417	5.00	0.23	10.39	10.39	1.04	5.35	1328.32	1328.32	1631.90	-303.59
46+0.000	879.464	879.032	5.00	0.00	1.16	1.16	2.09	15.68	1329.48	1329.48	1647.58	-318.10
46+10.000	879.218	878.687	5.00	0.00	0.00	0.00	2.81	24.53	1329.48	1329.48	1672.11	-342.63
47+0.000	878.971	878.448	5.00	0.00	0.00	0.00	2.88	28.46	1329.48	1329.48	1700.58	-371.10
47+10.000	878.725	878.210	5.00	0.00	0.00	0.00	2.60	27.42	1329.48	1329.48	1728.00	-398.52
48+0.000	878.478	877.971	5.00	0.00	0.00	0.00	2.42	25.10	1329.48	1329.48	1753.11	-423.63
48+10.000	878.232	877.903	5.00	0.00	0.00	0.00	1.79	21.07	1329.48	1329.48	1774.18	-444.70
49+0.000	877.985	877.608	5.00	0.00	0.00	0.00	2.03	19.21	1329.48	1329.48	1793.39	-463.91
49+10.000	877.739	877.424	5.00	0.00	0.00	0.00	1.63	18.32	1329.48	1329.48	1811.71	-482.23
50+0.000	877.493	877.241	5.00	0.00	0.00	0.00	1.22	14.27	1329.48	1329.48	1825.98	-496.50
50+10.000	877.246	877.065	5.00	0.00	0.00	0.00	0.83	10.27	1329.48	1329.48	1836.25	-506.77
51+0.000	877.032	876.906	5.00	0.00	0.00	0.00	0.51	6.72	1329.48	1329.48	1842.96	-513.48
51+10.000	876.880	876.747	5.00	0.00	0.00	0.00	0.54	5.24	1329.48	1329.48	1848.20	-518.72
52+0.000	876.789	876.502	5.00	0.00	0.00	0.00	1.60	10.84	1329.48	1329.48	1859.04	-529.56
52+10.000	876.758	876.313	5.00	0.00	0.00	0.00	2.69	21.84	1329.48	1329.48	1880.88	-551.40
53+0.000	876.756	876.205	5.00	0.00	0.00	0.00	3.67	32.01	1329.48	1329.48	1912.89	-583.41
53+10.000	876.754	876.063	5.00	0.00	0.00	0.00	4.59	41.32	1329.48	1329.48	1954.20	-624.72
54+0.000	876.752	875.922	5.00	0.00	0.00	0.00	5.79	51.90	1329.48	1329.48	2006.10	-676.62
54+10.000	876.750	875.789	5.00	0.00	0.00	0.00	6.97	63.64	1329.48	1329.48	2069.74	-740.26
55+0.000	876.748	875.673	5.00	0.00	0.00	0.00	8.21	75.88	1329.48	1329.48	2145.62	-816.14
55+10.000	876.746	875.555	5.00	0.00	0.00	0.00	9.32	87.09	1329.48	1329.48	2232.71	-903.23
56+0.000	876.744	875.428	5.00	0.00	0.00	0.00	10.73	100.22	1329.48	1329.48	2332.93	-1003.45
56+10.000	876.742	875.361	5.00	0.00	0.00	0.00	11.67	109.76	1329.48	1329.48	2442.69	-1113.21
57+0.000	876.740	875.046	5.00	0.00	0.00	0.00	13.67	126.22	1329.48	1329.48	2568.91	-1239.43
57+10.000	876.738	874.732	5.00	0.00	0.00	0.00	13.98	138.21	1329.48	1329.48	2707.12	-1377.64



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58+0.000	876.736	874.999	5.00	0.00	0.00	0.00	12.45	132.15	1329.48	1329.48	2839.27	-1509.79
58+10.000	876.735	875.265	5.00	0.00	0.00	0.00	11.42	119.36	1329.48	1329.48	2958.63	-1629.15
59+0.000	876.733	875.385	5.00	0.00	0.00	0.00	11.14	112.78	1329.48	1329.48	3071.41	-1741.93
59+10.000	876.731	875.461	5.00	0.00	0.00	0.00	11.07	111.01	1329.48	1329.48	3182.42	-1852.94
60+0.000	876.729	875.385	5.00	0.00	0.00	0.00	11.80	114.46	1329.48	1329.48	3296.88	-1967.41
60+10.000	876.727	875.210	5.00	0.00	0.00	0.00	12.87	123.38	1329.48	1329.48	3420.26	-2090.78
61+0.000	876.725	875.064	5.00	0.00	0.00	0.00	14.11	134.91	1329.48	1329.48	3555.18	-2225.70
61+10.000	876.723	874.947	5.00	0.00	0.00	0.00	15.58	148.44	1329.48	1329.48	3703.61	-2374.13
62+0.000	876.721	874.845	5.00	0.00	0.00	0.00	16.73	161.66	1329.48	1329.48	3865.27	-2535.79
62+10.000	876.719	874.808	5.00	0.00	0.00	0.00	17.57	171.52	1329.48	1329.48	4036.79	-2707.31
63+0.000	876.717	874.770	5.00	0.00	0.00	0.00	18.23	179.04	1329.48	1329.48	4215.83	-2886.35
63+10.000	876.715	874.694	5.00	0.00	0.00	0.00	18.92	185.79	1329.48	1329.48	4401.62	-3072.14
64+0.000	876.713	874.609	5.00	0.00	0.00	0.00	19.58	192.49	1329.48	1329.48	4594.11	-3264.63
64+10.000	876.711	874.731	5.00	0.00	0.00	0.00	18.18	188.77	1329.48	1329.48	4782.88	-3453.40
65+0.000	876.709	874.776	5.00	0.00	0.00	0.00	17.24	177.12	1329.48	1329.48	4960.00	-3630.52
65+10.000	876.707	874.933	5.00	0.00	0.00	0.00	15.54	163.92	1329.48	1329.48	5123.92	-3794.44
66+0.000	876.705	875.089	5.00	0.00	0.00	0.00	14.32	149.29	1329.48	1329.48	5273.21	-3943.73
66+10.000	876.703	875.208	5.00	0.00	0.00	0.00	13.23	137.75	1329.48	1329.48	5410.96	-4081.48
67+0.000	876.701	875.327	5.00	0.00	0.00	0.00	12.06	126.44	1329.48	1329.48	5537.39	-4207.91
67+10.000	876.699	875.348	5.00	0.00	0.00	0.00	10.35	111.94	1329.48	1329.48	5649.33	-4319.85
68+0.000	876.697	875.606	5.00	0.00	0.00	0.00	7.93	91.40	1329.48	1329.48	5740.73	-4411.25
68+10.000	876.695	875.797	5.00	0.00	0.00	0.00	5.86	68.84	1329.48	1329.48	5809.58	-4480.10
69+0.000	876.693	875.965	5.00	0.00	0.00	0.00	3.88	48.72	1329.48	1329.48	5858.30	-4528.82
69+10.000	876.713	876.193	5.00	0.00	0.00	0.00	2.08	29.84	1329.48	1329.48	5888.14	-4558.66
70+0.000	876.820	876.576	5.00	0.48	2.38	2.38	0.49	12.87	1331.86	1331.86	5901.01	-4569.15
70+10.000	877.018	876.960	5.00	2.56	15.20	15.20	0.01	2.52	1347.06	1347.06	5903.52	-4556.46
71+0.000	877.308	877.344	5.00	4.92	37.43	37.43	0.00	0.07	1384.49	1384.49	5903.59	-4519.10
71+10.000	877.666	878.796	5.00	7.14	59.25	59.25	0.00	0.00	1443.74	1443.74	5903.59	-4459.85
72+0.000	878.029	880.582	5.00	9.78	84.62	84.62	0.00	0.00	1528.35	1528.35	5903.59	-4375.24
72+10.000	878.391	882.342	5.00	12.29	110.20	110.20	0.00	0.00	1638.55	1638.55	5903.59	-4265.04
73+0.000	878.754	881.575	5.00	13.64	129.67	129.67	0.00	0.00	1768.22	1768.22	5903.59	-4135.37
73+10.000	879.116	880.807	5.00	12.85	132.45	132.45	0.00	0.00	1900.67	1900.67	5903.59	-4002.92
74+0.000	879.479	880.380	5.00	10.17	114.70	114.70	0.00	0.00	2015.37	2015.37	5903.59	-3888.22
74+10.000	879.842	880.816	5.00	8.58	93.75	93.75	0.00	0.00	2109.12	2109.12	5903.59	-3794.47
75+0.000	880.204	881.253	5.00	8.90	87.30	87.30	0.00	0.00	2196.42	2196.42	5903.59	-3707.17
75+10.000	880.567	881.571	5.00	8.74	88.20	88.20	0.00	0.00	2284.62	2284.62	5903.59	-3618.97
76+0.000	880.930	881.937	5.00	8.70	87.19	87.19	0.00	0.00	2371.82	2371.82	5903.59	-3531.77
76+10.000	881.292	882.138	5.00	7.46	80.83	80.83	0.00	0.00	2452.65	2452.65	5903.59	-3450.94
77+0.000	881.655	882.307	5.00	6.32	69.03	69.03	0.00	0.00	2521.67	2521.67	5903.59	-3381.92
77+10.000	882.018	882.455	5.00	4.88	56.00	56.00	0.00	0.00	2577.67	2577.67	5903.59	-3325.92
78+0.000	882.380	882.743	5.00	3.44	41.60	41.60	0.00	0.00	2619.27	2619.27	5903.59	-3284.32
78+10.000	882.743	883.048	5.00	2.57	30.05	30.05	0.00	0.00	2649.32	2649.32	5903.59	-3254.27
79+0.000	883.105	883.042	5.00	0.57	15.55	15.55	0.09	0.46	2664.87	2664.87	5904.05	-3239.19
79+10.000	883.468	883.269	5.00	0.20	3.87	3.87	0.64	3.67	2668.73	2668.73	5907.72	-3238.99
80+0.000	883.831	883.496	5.00	0.00	1.02	1.02	1.38	10.12	2669.76	2669.76	5917.84	-3248.09


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80+10.000	884.193	883.729	5.00	0.00	0.02	0.02	2.34	18.62	2669.78	2669.78	5936.46	-3266.68
81+0.000	884.556	883.962	5.00	0.00	0.00	0.00	3.47	29.08	2669.78	2669.78	5965.54	-3295.76
81+10.000	884.919	884.130	5.00	0.00	0.00	0.00	4.87	41.82	2669.78	2669.78	6007.36	-3337.58
82+0.000	885.281	884.296	5.00	0.00	0.00	0.00	6.45	56.62	2669.78	2669.78	6063.98	-3394.21
82+10.000	885.644	884.531	5.00	0.00	0.00	0.00	7.56	70.68	2669.78	2669.78	6134.67	-3464.89
83+0.000	886.007	884.930	5.00	0.00	0.00	0.00	7.58	75.71	2669.78	2669.78	6210.38	-3540.60
83+10.000	886.369	885.244	5.00	0.00	0.00	0.00	8.52	80.48	2669.78	2669.78	6290.85	-3621.08
84+0.000	886.732	885.405	5.00	0.00	0.00	0.00	9.74	91.28	2669.78	2669.78	6382.14	-3712.36
84+10.000	887.094	885.850	5.00	0.00	0.00	0.00	8.81	92.95	2669.78	2669.78	6475.09	-3805.31
85+0.000	887.457	886.312	5.00	0.00	0.00	0.00	8.07	84.39	2669.78	2669.78	6559.48	-3889.70
85+10.000	887.820	886.657	5.00	0.00	0.00	0.00	8.19	81.26	2669.78	2669.78	6640.74	-3970.96
86+0.000	888.182	886.989	5.00	0.00	0.00	0.00	8.39	82.90	2669.78	2669.78	6723.65	-4053.87
86+10.000	888.545	887.458	5.00	0.00	0.00	0.00	7.70	80.56	2669.78	2669.78	6804.21	-4134.43
87+0.000	888.908	887.990	5.00	0.00	0.00	0.00	6.49	70.97	2669.78	2669.78	6875.18	-4205.40
87+10.000	889.270	888.519	5.00	0.00	0.00	0.00	5.10	57.88	2669.78	2669.78	6933.07	-4263.29
88+0.000	889.633	889.042	5.00	0.00	0.00	0.00	3.81	44.52	2669.78	2669.78	6977.59	-4307.81
88+10.000	889.996	889.579	5.00	0.00	0.00	0.00	2.49	31.49	2669.78	2669.78	7009.09	-4339.31
89+0.000	890.358	890.075	5.00	0.00	0.00	0.00	1.54	20.15	2669.78	2669.78	7029.24	-4359.46
89+10.000	890.721	890.303	5.00	0.00	0.00	0.00	1.76	16.48	2669.78	2669.78	7045.72	-4375.94
90+0.000	891.083	890.869	5.00	0.00	0.00	0.00	0.94	13.49	2669.78	2669.78	7059.20	-4389.42
90+10.000	891.446	891.242	5.00	0.00	0.04	0.04	0.83	8.82	2669.82	2669.82	7068.02	-4398.21
91+0.000	891.801	891.562	5.00	0.00	0.04	0.04	1.19	10.06	2669.86	2669.86	7078.08	-4408.22
91+10.000	892.100	891.757	5.00	0.00	0.00	0.00	1.81	15.01	2669.86	2669.86	7093.09	-4423.23
92+0.000	892.335	891.891	5.00	0.00	0.00	0.00	2.49	21.50	2669.86	2669.86	7114.59	-4444.73
92+10.000	892.505	892.014	5.00	0.00	0.00	0.00	2.73	26.13	2669.86	2669.86	7140.72	-4470.86
93+0.000	892.618	892.179	5.00	0.00	0.00	0.00	2.15	24.41	2669.86	2669.86	7165.13	-4495.27
93+10.000	892.723	892.455	5.00	0.00	0.00	0.00	1.34	17.43	2669.86	2669.86	7182.56	-4512.70
94+0.000	892.829	892.478	5.00	0.00	0.00	0.00	1.38	13.62	2669.86	2669.86	7196.17	-4526.31
94+10.000	892.934	892.493	5.00	0.00	0.00	0.00	1.88	16.31	2669.86	2669.86	7212.48	-4542.62
95+0.000	893.039	892.744	5.00	0.00	0.00	0.00	1.54	17.10	2669.86	2669.86	7229.58	-4559.72
95+10.000	893.144	892.846	5.00	0.00	0.00	0.00	1.37	14.51	2669.86	2669.86	7244.09	-4574.23
96+0.000	893.249	892.986	5.00	0.00	0.00	0.00	1.10	12.32	2669.86	2669.86	7256.40	-4586.54
96+10.000	893.354	893.174	5.00	0.00	0.00	0.00	0.74	9.18	2669.86	2669.86	7265.58	-4595.72
97+0.000	893.459	893.313	5.00	0.00	0.00	0.00	0.45	5.97	2669.86	2669.86	7271.55	-4601.69
97+10.000	893.564	893.522	5.00	0.06	0.31	0.31	0.10	2.78	2670.17	2670.17	7274.33	-4604.16
98+0.000	893.669	893.755	5.00	0.31	1.84	1.84	0.05	0.75	2672.00	2672.00	7275.08	-4603.08
98+10.000	893.774	893.776	5.00	0.10	1.99	1.99	0.10	0.76	2673.99	2673.99	7275.84	-4601.85
99+0.000	893.879	893.594	5.00	0.00	0.48	0.48	1.37	7.33	2674.47	2674.47	7283.17	-4608.70
99+10.000	893.984	893.559	5.00	0.00	0.00	0.00	2.35	18.59	2674.47	2674.47	7301.77	-4627.29
100+0.000	894.089	893.628	5.00	0.00	0.00	0.00	2.65	25.02	2674.47	2674.47	7326.79	-4652.31
100+10.000	894.194	893.766	5.00	0.00	0.00	0.00	2.44	25.70	2674.47	2674.47	7352.49	-4678.01
101+0.000	894.299	893.907	5.00	0.00	0.00	0.00	2.25	23.45	2674.47	2674.47	7375.94	-4701.47
101+10.000	894.405	893.936	5.00	0.00	0.00	0.00	2.54	24.13	2674.47	2674.47	7400.07	-4725.60
102+0.000	894.510	894.164	5.00	0.00	0.00	0.00	1.78	21.61	2674.47	2674.47	7421.69	-4747.21
102+10.000	894.615	894.468	5.00	0.50	2.47	2.47	0.38	10.82	2676.95	2676.95	7432.51	-4755.56

103+0.000	894.720	894.710	5.00	1.60	10.51	10.51	0.00	1.95	2687.46	2687.46	7434.46	-4747.01
103+10.00 0	894.825	894.952	5.00	2.02	18.12	18.12	0.00	0.03	2705.57	2705.57	7434.50	-4728.92
104+0.000	894.930	894.999	5.00	1.60	17.63	17.63	0.00	0.00	2723.20	2723.20	7434.50	-4711.29
104+10.00 0	895.035	895.261	5.00	1.84	17.66	17.66	0.00	0.00	2740.86	2740.86	7434.50	-4693.64
105+0.000	895.140	895.374	5.00	2.00	19.19	19.19	0.00	0.00	2760.05	2760.05	7434.50	-4674.45
105+10.00 0	895.245	895.474	5.00	2.15	20.74	20.74	0.00	0.00	2780.78	2780.78	7434.50	-4653.71
106+0.000	895.350	895.590	5.00	2.43	22.89	22.89	0.00	0.00	2803.68	2803.68	7434.50	-4630.82
106+10.00 0	895.455	895.808	5.00	2.84	26.25	26.25	0.00	0.00	2829.93	2829.93	7434.50	-4604.57
107+0.000	895.560	896.071	5.00	3.19	30.17	30.17	0.00	0.00	2860.10	2860.10	7434.50	-4574.40
107+10.00 0	895.665	896.115	5.00	2.86	30.27	30.27	0.00	0.00	2890.36	2890.36	7434.50	-4544.13
108+0.000	895.770	896.131	5.00	2.34	25.94	25.94	0.00	0.00	2916.31	2916.31	7434.50	-4518.19
108+10.00 0	895.875	896.167	5.00	2.28	23.06	23.06	0.00	0.00	2939.37	2939.37	7434.50	-4495.13
109+0.000	895.980	896.293	5.00	2.64	24.59	24.59	0.00	0.00	2963.96	2963.96	7434.50	-4470.54
109+10.00 0	896.086	896.464	5.00	2.91	27.75	27.75	0.00	0.00	2991.71	2991.71	7434.50	-4442.79
110+0.000	896.191	896.600	5.00	3.01	29.58	29.58	0.00	0.00	3021.29	3021.29	7434.50	-4413.21
110+10.00 0	896.296	896.698	5.00	3.30	31.53	31.53	0.00	0.00	3052.81	3052.81	7434.50	-4381.68
111+0.000	896.401	896.793	5.00	3.99	36.44	36.44	0.00	0.00	3089.25	3089.25	7434.50	-4345.25
111+10.00 0	896.506	896.873	5.00	4.41	41.97	41.97	0.00	0.00	3131.22	3131.22	7434.50	-4303.27
112+0.000	896.611	896.951	5.00	4.27	43.40	43.40	0.00	0.00	3174.62	3174.62	7434.50	-4259.87
112+10.00 0	896.716	897.007	5.00	3.97	41.22	41.22	0.00	0.00	3215.84	3215.84	7434.50	-4218.66
113+0.000	896.821	897.062	5.00	3.54	37.55	37.55	0.00	0.00	3253.39	3253.39	7434.50	-4181.11
113+10.00 0	896.926	897.096	5.00	3.04	32.92	32.92	0.00	0.00	3286.31	3286.31	7434.50	-4148.19
114+0.000	897.031	897.122	5.00	2.40	27.22	27.22	0.00	0.00	3313.53	3313.53	7434.50	-4120.96
114+10.00 0	897.136	897.168	5.00	1.82	21.02	21.02	0.00	0.00	3334.55	3334.55	7434.50	-4099.95
115+0.000	897.241	897.262	5.00	1.96	18.89	18.89	0.00	0.00	3353.44	3353.44	7434.50	-4081.05
115+10.00 0	897.346	897.357	5.00	2.03	19.92	19.92	0.00	0.00	3373.37	3373.37	7434.50	-4061.13
116+0.000	897.451	897.460	5.00	1.67	18.45	18.45	0.00	0.00	3391.82	3391.82	7434.50	-4042.68
116+10.00 0	897.556	897.564	5.00	1.39	15.29	15.29	0.00	0.00	3407.10	3407.10	7434.50	-4027.39
117+0.000	897.672	897.641	5.00	1.25	13.19	13.19	0.00	0.05	3420.30	3420.30	7434.54	-4014.24
117+10.00 0	897.827	897.701	5.00	0.88	10.66	10.66	0.15	0.80	3430.96	3430.96	7435.34	-4004.38
118+0.000	898.024	897.915	5.00	0.41	6.65	6.65	0.31	2.27	3437.60	3437.60	7437.61	-4000.00
118+10.00 0	898.262	898.263	5.00	0.37	3.93	3.93	0.00	1.53	3441.54	3441.54	7439.13	-3997.59
119+0.000	898.532	898.422	5.00	0.86	6.17	6.17	0.10	0.50	3447.71	3447.71	7439.63	-3991.93
119+10.00 0	898.804	899.149	5.00	3.76	23.01	23.01	0.00	0.50	3470.72	3470.72	7440.13	-3969.42
120+0.000	899.076	899.889	5.00	7.06	54.07	54.07	0.00	0.00	3524.79	3524.79	7440.13	-3915.34
120+10.00 0	899.349	900.337	5.00	9.17	81.58	81.58	0.00	0.00	3606.36	3606.36	7440.13	-3833.77
121+0.000	899.621	900.706	5.00	11.21	101.90	101.90	0.00	0.00	3708.26	3708.26	7440.13	-3731.87
121+10.00 0	899.893	901.181	5.00	14.25	127.27	127.27	0.00	0.00	3835.53	3835.53	7440.13	-3604.60
122+0.000	900.165	901.684	5.00	17.05	156.52	156.52	0.00	0.00	3992.05	3992.05	7440.13	-3448.09
122+10.00 0	900.437	902.154	5.00	19.16	180.98	180.98	0.00	0.00	4173.03	4173.03	7440.13	-3267.11
123+0.000	900.709	902.613	5.00	20.82	199.89	199.89	0.00	0.00	4372.92	4372.92	7440.13	-3067.22
123+10.00 0	900.981	903.022	5.00	21.65	212.36	212.36	0.00	0.00	4585.28	4585.28	7440.13	-2854.85
124+0.000	901.253	903.347	5.00	22.05	218.50	218.50	0.00	0.00	4803.78	4803.78	7440.13	-2636.35
124+10.00 0	901.525	903.673	5.00	22.41	222.28	222.28	0.00	0.00	5026.06	5026.06	7440.13	-2414.08
125+0.000	901.797	903.932	5.00	22.59	224.58	224.58	0.00	0.00	5250.64	5250.64	7440.13	-2189.49


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125+10.00 0	902.069	904.186	5.00	22.58	225.82	225.82	0.00	0.00	5476.46	5476.46	7440.13	-1963.67
126+0.000	902.341	904.355	5.00	21.96	222.72	222.72	0.00	0.00	5699.18	5699.18	7440.13	-1740.95
126+10.00 0	902.613	904.516	5.00	21.01	214.86	214.86	0.00	0.00	5914.04	5914.04	7440.13	-1526.09
127+0.000	902.885	904.922	5.00	21.75	213.78	213.78	0.00	0.00	6127.82	6127.82	7440.13	-1312.31
127+10.00 0	903.158	904.889	5.00	18.64	201.95	201.95	0.00	0.00	6329.77	6329.77	7440.13	-1110.36
128+0.000	903.430	904.955	5.00	16.50	175.61	175.61	0.00	0.00	6505.38	6505.38	7440.13	-934.75
128+10.00 0	903.702	905.087	5.00	14.65	155.75	155.75	0.00	0.00	6661.14	6661.14	7440.13	-779.00
129+0.000	903.974	905.218	5.00	12.95	138.19	138.19	0.00	0.00	6799.33	6799.33	7440.13	-640.81
129+10.00 0	904.246	905.347	5.00	11.34	121.47	121.47	0.00	0.00	6920.80	6920.80	7440.13	-519.33
130+0.000	904.518	905.477	5.00	10.00	106.74	106.74	0.00	0.00	7027.54	7027.54	7440.13	-412.60
130+10.00 0	904.790	905.678	5.00	9.26	96.46	96.46	0.00	0.00	7124.00	7124.00	7440.13	-316.13
131+0.000	905.062	905.881	5.00	8.55	89.04	89.04	0.00	0.00	7213.04	7213.04	7440.13	-227.09
131+10.00 0	905.334	906.114	5.00	8.08	83.31	83.31	0.00	0.00	7296.35	7296.35	7440.13	-143.78
132+0.000	905.606	906.357	5.00	7.46	77.71	77.71	0.00	0.00	7374.06	7374.06	7440.13	-66.07
132+10.00 0	905.878	906.555	5.00	6.39	69.24	69.24	0.00	0.00	7443.31	7443.31	7440.13	3.18
133+0.000	906.150	906.709	5.00	5.32	58.56	58.56	0.00	0.00	7501.87	7501.87	7440.13	61.74
133+10.00 0	906.422	906.855	5.00	4.18	47.45	47.45	0.00	0.00	7549.32	7549.32	7440.13	109.19
134+0.000	906.694	906.968	5.00	3.05	36.13	36.13	0.00	0.00	7585.45	7585.45	7440.13	145.32
134+10.00 0	906.967	907.082	5.00	2.36	27.09	27.09	0.00	0.00	7612.54	7612.54	7440.13	172.41
135+0.000	907.239	907.323	5.00	1.98	21.82	21.82	0.00	0.00	7634.36	7634.36	7440.13	194.23
135+10.00 0	907.511	907.566	5.00	1.43	17.09	17.09	0.00	0.00	7651.45	7651.45	7440.13	211.31
136+0.000	907.783	907.744	5.00	0.70	10.68	10.68	0.02	0.09	7662.13	7662.13	7440.22	221.91
136+10.00 0	908.055	907.900	5.00	0.25	4.77	4.77	0.29	1.55	7666.89	7666.89	7441.78	225.12
137+0.000	908.327	908.092	5.00	0.13	1.91	1.91	0.73	5.13	7668.81	7668.81	7446.90	221.90
137+10.00 0	908.599	908.324	5.00	0.07	1.00	1.00	1.03	8.79	7669.80	7669.80	7455.70	214.11
138+0.000	908.871	908.537	5.00	0.00	0.35	0.35	1.38	11.98	7670.15	7670.15	7467.68	202.47
138+10.00 0	909.143	908.728	5.00	0.00	0.02	0.02	1.92	16.50	7670.17	7670.17	7484.18	185.99
139+0.000	909.415	908.933	5.00	0.00	0.00	0.00	2.53	22.24	7670.17	7670.17	7506.42	163.75
139+10.00 0	909.687	909.158	5.00	0.00	0.00	0.00	3.03	27.79	7670.17	7670.17	7534.21	135.96
140+0.000	909.959	909.381	5.00	0.00	0.00	0.00	3.42	32.33	7670.17	7670.17	7566.54	103.63
140+10.00 0	910.231	909.583	5.00	0.00	0.00	0.00	3.67	35.45	7670.17	7670.17	7601.99	68.18
141+0.000	910.504	909.786	5.00	0.00	0.00	0.00	4.06	38.65	7670.17	7670.17	7640.64	29.53
141+10.00 0	910.776	910.285	5.00	0.00	0.00	0.00	2.96	35.16	7670.17	7670.17	7675.80	-5.63
142+0.000	911.048	910.673	5.00	0.00	0.00	0.00	1.96	24.63	7670.17	7670.17	7700.43	-30.26
142+10.00 0	911.320	911.104	5.00	0.00	0.03	0.03	0.77	13.67	7670.20	7670.20	7714.10	-43.90
143+0.000	911.592	911.585	5.00	0.54	2.74	2.74	0.00	3.86	7672.95	7672.95	7717.96	-45.01
143+10.00 0	911.864	912.047	5.00	1.87	12.07	12.07	0.00	0.00	7685.01	7685.01	7717.96	-32.95
144+0.000	912.136	912.451	5.00	3.31	25.90	25.90	0.00	0.00	7710.92	7710.92	7717.96	-7.05
144+10.00 0	912.408	912.844	5.00	4.47	39.19	39.19	0.00	0.00	7750.10	7750.10	7717.96	32.14
145+0.000	912.680	913.181	5.00	4.99	47.32	47.32	0.00	0.00	7797.42	7797.42	7717.96	79.46
145+10.00 0	912.952	913.519	5.00	5.36	51.75	51.75	0.00	0.00	7849.17	7849.17	7717.96	131.21
146+0.000	913.224	913.823	5.00	5.59	54.73	54.73	0.00	0.00	7903.91	7903.91	7717.96	185.94
146+10.00 0	913.496	914.125	5.00	5.91	57.48	57.48	0.00	0.00	7961.39	7961.39	7717.96	243.43
147+0.000	913.768	914.452	5.00	6.53	61.89	61.89	0.00	0.00	8023.28	8023.28	7717.96	305.32
147+10.00 0	914.040	914.793	5.00	7.29	69.09	69.09	0.00	0.00	8092.38	8092.38	7717.96	374.41
148+0.000	914.313	915.149	5.00	7.98	76.53	76.53	0.00	0.00	8168.90	8168.90	7717.96	450.94
148+10.00 0	914.585	915.530	5.00	8.62	82.96	82.96	0.00	0.00	8251.86	8251.86	7717.96	533.90
149+0.000	914.857	915.895	5.00	9.49	90.16	90.16	0.00	0.00	8342.02	8342.02	7717.96	624.06
149+10.00 0	915.129	916.219	5.00	10.43	99.62	99.62	0.00	0.00	8441.64	8441.64	7717.96	723.68
150+0.000	915.401	916.542	5.00	10.87	106.52	106.52	0.00	0.00	8548.16	8548.16	7717.96	830.20
150+10.00 0	915.673	916.809	5.00	10.62	107.91	107.91	0.00	0.00	8656.07	8656.07	7717.96	938.11
151+0.000	915.945	917.061	5.00	10.12	103.71	103.71	0.00	0.00	8759.78	8759.78	7717.96	1041.82
151+10.00 0	916.217	917.314	5.00	9.55	98.43	98.43	0.00	0.00	8858.21	8858.21	7717.96	1140.25
152+0.000	916.489	917.568	5.00	9.18	93.68	93.68	0.00	0.00	8951.89	8951.89	7717.96	1233.93
152+10.00 0	916.761	917.786	5.00	8.73	89.62	89.62	0.00	0.00	9041.51	9041.51	7717.96	1323.55
153+0.000	917.033	917.983	5.00	8.09	84.06	84.06	0.00	0.00	9125.57	9125.57	7717.96	1407.61


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153+10.00 0	917.305	918.186	5.00	7.44	77.65	77.65	0.00	0.00	9203.22	9203.22	7717.96	1485.26
154+0.000	917.577	918.395	5.00	6.79	71.15	71.15	0.00	0.00	9274.37	9274.37	7717.96	1556.41
154+10.00 0	917.849	918.600	5.00	6.14	64.71	64.71	0.00	0.00	9339.08	9339.08	7717.96	1621.12
155+0.000	918.122	918.795	5.00	5.46	57.98	57.98	0.00	0.00	9397.06	9397.06	7717.96	1679.10
155+10.00 0	918.394	918.997	5.00	5.06	52.58	52.58	0.00	0.00	9449.65	9449.65	7717.96	1731.68
156+0.000	918.666	919.214	5.00	5.07	50.65	50.65	0.00	0.00	9500.30	9500.30	7717.96	1782.33
156+10.00 0	918.938	919.441	5.00	5.41	52.72	52.72	0.00	0.00	9553.02	9553.02	7717.96	1835.06
157+0.000	919.210	919.705	5.00	5.43	54.20	54.20	0.00	0.00	9607.22	9607.22	7717.96	1889.26
157+10.00 0	919.482	919.986	5.00	5.40	54.28	54.28	0.00	0.00	9661.50	9661.50	7717.96	1943.54
158+0.000	919.754	920.476	5.00	6.05	57.23	57.23	0.00	0.00	9718.73	9718.73	7717.96	2000.77
158+10.00 0	920.026	920.515	5.00	4.47	52.62	52.62	0.00	0.00	9771.35	9771.35	7717.96	2053.39
159+0.000	920.298	920.641	5.00	3.27	38.75	38.75	0.00	0.00	9810.10	9810.10	7717.96	2092.14
159+10.00 0	920.570	920.824	5.00	2.53	29.02	29.02	0.00	0.00	9839.12	9839.12	7717.96	2121.16
160+0.000	920.842	921.044	5.00	2.08	22.96	22.96	0.00	0.00	9862.08	9862.08	7717.96	2144.12
160+10.00 0	921.114	921.286	5.00	1.76	19.21	19.21	0.00	0.00	9881.29	9881.29	7717.96	2163.33
161+0.000	921.386	921.523	5.00	1.41	15.80	15.80	0.00	0.00	9897.09	9897.09	7717.96	2179.13
161+10.00 0	921.658	921.753	5.00	1.12	12.65	12.65	0.00	0.00	9909.74	9909.74	7717.96	2191.78
162+0.000	921.931	921.985	5.00	0.84	9.77	9.77	0.00	0.00	9919.51	9919.51	7717.96	2201.55
162+10.00 0	922.203	922.228	5.00	0.65	7.46	7.46	0.00	0.00	9926.98	9926.98	7717.96	2209.01
163+0.000	922.475	922.471	5.00	0.49	5.73	5.73	0.00	0.00	9932.71	9932.71	7717.97	2214.75
163+10.00 0	922.747	922.725	5.00	0.42	4.56	4.56	0.01	0.05	9937.27	9937.27	7718.02	2219.26
164+0.000	923.019	922.980	5.00	0.40	4.10	4.10	0.03	0.21	9941.37	9941.37	7718.22	2223.15
164+10.00 0	923.291	923.242	5.00	0.37	3.89	3.89	0.04	0.38	9945.27	9945.27	7718.61	2226.66
165+0.000	923.563	923.508	5.00	0.32	3.47	3.47	0.06	0.51	9948.74	9948.74	7719.11	2229.62
165+10.00 0	923.835	923.774	5.00	0.28	3.02	3.02	0.07	0.63	9951.76	9951.76	7719.75	2232.01
166+0.000	924.107	924.035	5.00	0.28	2.83	2.83	0.13	1.00	9954.59	9954.59	7720.75	2233.84
166+10.00 0	924.379	924.281	5.00	0.40	3.43	3.43	0.19	1.62	9958.01	9958.01	7722.36	2235.65
167+0.000	924.651	924.544	5.00	0.58	4.91	4.91	0.11	1.51	9962.93	9962.93	7723.87	2239.05
167+10.00 0	924.923	924.878	5.00	0.76	6.70	6.70	0.02	0.64	9969.63	9969.63	7724.51	2245.12
168+0.000	925.195	925.213	5.00	0.83	7.96	7.96	0.00	0.10	9977.59	9977.59	7724.61	2252.98
168+10.00 0	925.468	925.547	5.00	0.76	7.95	7.95	0.01	0.07	9985.53	9985.53	7724.67	2260.86
169+0.000	925.740	925.883	5.00	0.71	7.34	7.34	0.18	0.98	9992.88	9992.88	7725.65	2267.23
169+10.00 0	926.012	926.222	5.00	0.94	8.29	8.29	0.28	2.30	10001.16	10001.16	7727.95	2273.21
170+0.000	926.284	926.556	5.00	1.29	11.14	11.14	0.14	2.10	10012.31	10012.31	7730.06	2282.25
170+10.00 0	926.556	926.879	5.00	1.65	14.68	14.68	0.02	0.82	10026.99	10026.99	7730.88	2296.11
171+0.000	926.828	927.203	5.00	1.99	18.17	18.17	0.00	0.13	10045.16	10045.16	7731.01	2314.15
171+10.00 0	927.100	927.526	5.00	2.35	21.67	21.67	0.00	0.00	10066.83	10066.83	7731.01	2335.81
172+0.000	927.372	927.845	5.00	2.70	25.28	25.28	0.00	0.00	10092.11	10092.11	7731.01	2361.09
172+10.00 0	927.644	928.137	5.00	2.97	28.36	28.36	0.00	0.00	10120.47	10120.47	7731.01	2389.46
173+0.000	927.916	928.429	5.00	3.28	31.26	31.26	0.00	0.00	10151.73	10151.73	7731.01	2420.72
173+10.00 0	928.188	928.800	5.00	3.45	33.68	33.68	0.00	0.00	10185.41	10185.41	7731.01	2454.40
174+0.000	928.460	929.137	5.00	4.12	37.32	37.32	0.00	0.00	10222.73	10222.73	7731.01	2491.71
174+10.00 0	928.732	929.346	5.00	4.01	40.64	40.64	0.00	0.00	10263.37	10263.37	7731.01	2532.36
175+0.000	929.004	929.459	5.00	3.48	37.62	37.62	0.00	0.00	10300.99	10300.99	7731.01	2569.97
175+10.00 0	929.277	929.563	5.00	2.83	31.60	31.60	0.00	0.00	10332.59	10332.59	7731.01	2601.57
176+0.000	929.549	929.694	5.00	2.18	25.14	25.14	0.00	0.00	10357.73	10357.73	7731.01	2626.71
176+10.00 0	929.821	930.007	5.00	2.41	22.93	22.93	0.00	0.00	10380.65	10380.65	7731.01	2649.64
177+0.000	930.093	930.346	5.00	2.71	26.48	26.48	0.00	0.00	10407.13	10407.13	7731.01	2676.12
177+10.00 0	930.365	930.749	5.00	3.17	29.39	29.39	0.00	0.00	10436.52	10436.52	7731.01	2705.50
178+0.000	930.637	931.030	5.00	3.85	35.12	35.12	0.00	0.00	10471.63	10471.63	7731.01	2740.62
178+10.00 0	930.909	931.406	5.00	4.83	43.78	43.78	0.00	0.00	10515.42	10515.42	7731.01	2784.40
179+0.000	931.181	931.855	5.00	5.33	50.81	50.81	0.00	0.00	10566.23	10566.23	7731.01	2835.21


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179+10.00 0	931.453	932.167	5.00	5.44	53.83	53.83	0.00	0.00	10620.05	10620.05	7731.01	2889.04
180+0.000	931.725	932.254	5.00	5.13	52.83	52.83	0.00	0.00	10672.89	10672.89	7731.01	2941.87
180+10.00 0	931.997	932.442	5.00	4.48	48.08	48.08	0.00	0.00	10720.96	10720.96	7731.01	2989.95
181+0.000	932.269	932.783	5.00	4.28	43.80	43.80	0.00	0.00	10764.76	10764.76	7731.01	3033.75
181+10.00 0	932.541	932.809	5.00	3.23	37.56	37.56	0.00	0.00	10802.32	10802.32	7731.01	3071.31
182+0.000	932.813	933.065	5.00	2.56	28.95	28.95	0.00	0.00	10831.28	10831.28	7731.01	3100.26
182+10.00 0	933.086	933.321	5.00	1.75	21.54	21.54	0.00	0.00	10852.81	10852.81	7731.01	3121.80
183+0.000	933.358	933.544	5.00	1.46	15.98	15.98	0.00	0.00	10868.79	10868.79	7731.01	3137.78
183+10.00 0	933.630	933.760	5.00	1.50	14.76	14.76	0.00	0.00	10883.56	10883.56	7731.01	3152.54
184+0.000	933.902	933.973	5.00	1.05	12.76	12.76	0.00	0.00	10896.32	10896.32	7731.01	3165.30
184+10.00 0	934.174	934.184	5.00	0.62	8.33	8.33	0.00	0.00	10904.65	10904.65	7731.01	3173.64
185+0.000	934.446	934.396	5.00	0.27	4.44	4.44	0.05	0.24	10909.09	10909.09	7731.25	3177.84
185+10.00 0	934.718	934.702	5.00	0.22	2.46	2.46	0.01	0.29	10911.55	10911.55	7731.54	3180.01
186+0.000	934.990	935.011	5.00	0.45	3.35	3.35	0.00	0.05	10914.90	10914.90	7731.59	3183.31
186+10.00 0	935.262	935.301	5.00	0.61	5.28	5.28	0.00	0.00	10920.19	10920.19	7731.59	3188.60
187+0.000	935.534	935.573	5.00	0.61	6.12	6.12	0.00	0.00	10926.31	10926.31	7731.59	3194.72
187+10.00 0	935.749	935.845	5.00	1.00	8.08	8.08	0.00	0.00	10934.39	10934.39	7731.59	3202.80
188+0.000	935.780	935.904	5.00	1.15	11.07	11.07	0.00	0.00	10945.46	10945.46	7731.59	3213.87
188+10.00 0	935.625	935.790	5.00	1.61	13.81	13.81	0.00	0.00	10959.27	10959.27	7731.59	3227.68
189+0.000	935.283	935.173	5.00	0.42	11.51	11.51	0.18	0.87	10970.77	10970.77	7732.46	3238.31
189+10.00 0	934.812	934.425	5.00	0.00	2.08	2.08	1.65	9.17	10972.85	10972.85	7741.63	3231.22
190+0.000	934.337	933.678	5.00	0.00	0.00	0.00	3.81	27.18	10972.85	10972.85	7768.81	3204.04
190+10.00 0	933.862	933.042	5.00	0.00	0.00	0.00	5.53	46.53	10972.85	10972.85	7815.35	3157.50
191+0.000	933.387	932.417	5.00	0.00	0.00	0.00	6.92	62.23	10972.85	10972.85	7877.58	3095.27
191+10.00 0	932.911	931.834	5.00	0.00	0.00	0.00	7.93	74.23	10972.85	10972.85	7951.80	3021.05
192+0.000	932.436	931.289	5.00	0.00	0.00	0.00	8.16	80.43	10972.85	10972.85	8032.23	2940.62
192+10.00 0	931.961	930.952	5.00	0.00	0.00	0.00	7.45	77.64	10972.85	10972.85	8109.87	2862.98
193+0.000	931.485	930.530	5.00	0.00	0.00	0.00	6.75	71.10	10972.85	10972.85	8180.96	2791.89
193+10.00 0	931.010	930.125	5.00	0.00	0.00	0.00	6.24	64.94	10972.85	10972.85	8245.91	2726.94
194+0.000	930.535	929.728	5.00	0.00	0.00	0.00	6.10	61.59	10972.85	10972.85	8307.49	2665.36
194+10.00 0	930.059	929.220	5.00	0.00	0.00	0.00	6.26	61.73	10972.85	10972.85	8369.23	2603.63
195+0.000	929.584	928.766	5.00	0.00	0.00	0.00	6.45	63.56	10972.85	10972.85	8432.79	2540.06
195+10.00 0	929.109	928.319	5.00	0.00	0.00	0.00	6.28	64.50	10972.85	10972.85	8497.29	2475.56
196+0.000	928.633	927.929	5.00	0.00	0.00	0.00	5.04	56.64	10972.85	10972.85	8553.93	2418.92
196+10.00 0	928.158	927.539	5.00	0.00	0.00	0.00	4.03	45.36	10972.85	10972.85	8599.29	2373.57
197+0.000	927.683	927.093	5.00	0.00	0.00	0.00	3.64	38.33	10972.85	10972.85	8637.61	2335.24
197+10.00 0	927.208	926.629	5.00	0.00	0.00	0.00	3.58	36.11	10972.85	10972.85	8673.72	2299.13
198+0.000	926.732	926.129	5.00	0.00	0.00	0.00	3.92	37.44	10972.85	10972.85	8711.16	2261.69
198+10.00 0	926.257	925.601	5.00	0.00	0.00	0.00	3.97	39.48	10972.85	10972.85	8750.65	2222.21
199+0.000	925.782	925.034	5.00	0.00	0.00	0.00	4.05	40.08	10972.85	10972.85	8790.73	2182.12
199+10.00 0	925.306	924.419	5.00	0.00	0.00	0.00	4.43	42.39	10972.85	10972.85	8833.11	2139.74
200+0.000	924.831	923.895	5.00	0.00	0.00	0.00	5.05	47.33	10972.85	10972.85	8880.44	2092.41
200+10.00 0	924.356	923.744	5.00	0.00	0.00	0.00	4.20	46.23	10972.85	10972.85	8926.67	2046.18
201+0.000	923.880	923.055	5.00	0.00	0.00	0.00	5.39	47.96	10972.85	10972.85	8974.64	1998.22
201+10.00 0	923.405	922.530	5.00	0.00	0.00	0.00	6.63	60.11	10972.85	10972.85	9034.74	1938.11


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202+0.000	922.930	922.005	5.00	0.00	0.00	0.00	7.99	73.14	10972.85	10972.85	9107.88	1864.97
202+10.000	922.455	921.566	5.00	0.00	0.00	0.00	8.15	82.11	10972.85	10972.85	9189.99	1782.86
203+0.000	921.979	921.144	5.00	0.00	0.00	0.00	8.91	85.31	10972.85	10972.85	9275.30	1697.55
203+10.000	921.504	920.627	5.00	0.00	0.00	0.00	9.94	94.92	10972.85	10972.85	9370.21	1602.64
204+0.000	921.029	920.080	5.00	0.00	0.00	0.00	11.00	104.71	10972.85	10972.85	9474.92	1497.93
204+10.000	920.553	919.530	5.00	0.00	0.00	0.00	11.57	113.42	10972.85	10972.85	9588.34	1384.51
205+0.000	920.078	918.979	5.00	0.00	0.00	0.00	10.72	111.47	10972.85	10972.85	9699.82	1273.04
205+10.000	919.603	918.430	5.00	0.00	0.00	0.00	8.91	98.63	10972.85	10972.85	9798.44	1174.41
206+0.000	919.127	917.939	5.00	0.00	0.00	0.00	9.05	89.79	10972.85	10972.85	9888.24	1084.62
206+10.000	918.652	917.448	5.00	0.00	0.00	0.00	9.61	93.31	10972.85	10972.85	9981.55	991.31
207+0.000	918.177	916.939	5.00	0.00	0.00	0.00	10.11	98.65	10972.85	10972.85	10080.19	892.66
207+10.000	917.702	916.423	5.00	0.00	0.00	0.00	10.42	102.67	10972.85	10972.85	10182.86	789.99
208+0.000	917.226	915.906	5.00	0.00	0.00	0.00	10.81	106.15	10972.85	10972.85	10289.01	683.84
208+10.000	916.751	915.410	5.00	0.00	0.00	0.00	10.98	109.35	10972.85	10972.85	10398.36	574.49
209+0.000	916.276	914.926	5.00	0.00	0.00	0.00	10.48	107.27	10972.85	10972.85	10505.63	467.22
209+10.000	915.800	914.633	5.00	0.00	0.00	0.00	9.21	98.64	10972.85	10972.85	10604.27	368.58
210+0.000	915.325	914.459	5.00	0.00	0.00	0.00	6.69	79.47	10972.85	10972.85	10683.74	289.11
210+10.000	914.850	914.284	5.00	0.00	0.00	0.00	4.16	54.21	10972.85	10972.85	10737.96	234.90
211+0.000	914.374	914.081	5.00	0.00	0.00	0.00	2.72	34.38	10972.85	10972.85	10772.34	200.51
211+10.000	913.899	913.849	5.00	0.00	0.00	0.00	1.65	21.86	10972.85	10972.85	10794.20	178.65
212+0.000	913.424	913.524	5.00	0.27	1.37	1.37	0.23	9.54	10974.22	10974.22	10803.74	170.47
212+10.000	912.940	913.069	5.00	1.00	6.36	6.36	0.00	1.16	10980.58	10980.58	10804.90	175.68
213+0.000	912.342	912.470	5.00	0.93	9.56	9.56	0.00	0.00	10990.14	10990.14	10804.90	185.24
213+10.000	911.596	911.615	5.00	0.38	6.32	6.32	0.10	0.55	10996.46	10996.46	10805.45	191.01
214+0.000	910.702	910.713	5.00	1.31	8.63	8.63	0.00	0.56	11005.09	11005.09	10806.01	199.08
214+10.000	909.669	909.567	5.00	2.94	22.17	22.17	0.27	1.31	11027.26	11027.26	10807.33	219.93
215+0.000	908.602	908.153	5.00	1.61	23.70	23.70	1.48	8.59	11050.96	11050.96	10815.92	235.04
215+10.000	907.535	906.886	5.00	0.50	10.55	10.55	2.30	18.87	11061.50	11061.50	10834.99	226.71
216+0.000	906.511	905.620	5.00	0.46	4.79	4.79	3.68	29.87	11066.29	11066.29	10864.66	201.63
216+10.000	905.620	904.822	5.00	0.60	5.08	5.08	2.46	31.16	11071.38	11071.38	10895.82	175.56
217+0.000	904.862	904.298	5.00	0.54	5.67	5.67	1.50	19.80	11077.05	11077.05	10915.62	161.43
217+10.000	904.237	903.904	5.00	0.14	3.48	3.48	0.89	11.87	11080.53	11080.53	10927.49	153.04
218+0.000	903.747	903.716	5.00	1.29	7.14	7.14	0.00	4.49	11087.67	11087.67	10931.97	155.70
218+10.000	903.390	903.573	5.00	2.98	21.30	21.30	0.00	0.04	11108.97	11108.97	10932.02	176.95
219+0.000	903.167	903.498	5.00	4.13	35.52	35.52	0.00	0.00	11144.49	11144.49	10932.02	212.47
219+10.000	903.078	903.455	5.00	4.64	43.86	43.86	0.00	0.00	11188.35	11188.35	10932.02	256.33
220+0.000	903.122	903.445	5.00	4.38	45.11	45.11	0.00	0.00	11233.46	11233.46	10932.02	301.44
220+10.000	903.300	903.472	5.00	3.24	38.10	38.10	0.00	0.00	11271.56	11271.56	10932.02	339.55
221+0.000	903.597	903.513	5.00	1.04	21.78	21.78	0.06	0.28	11293.35	11293.35	10932.02	361.05
221+10.000	903.912	903.687	5.00	0.82	9.83	9.83	0.39	2.18	11303.18	11303.18	10934.88	368.69
222+0.000	904.227	903.896	5.00	0.70	7.78	7.78	0.63	5.04	11310.96	11310.96	10939.53	371.43
222+10.000	904.542	904.276	5.00	0.28	4.85	4.85	0.90	7.68	11315.81	11315.81	10947.21	368.60
223+0.000	904.857	904.603	5.00	0.16	2.12	2.12	0.96	9.36	11317.93	11317.93	10956.57	361.36
223+10.000	905.172	904.928	5.00	0.00	0.79	0.79	0.92	9.38	11318.72	11318.72	10965.95	352.78
224+0.000	905.487	905.249	5.00	0.00	0.00	0.00	1.08	9.98	11318.72	11318.72	10975.92	342.80


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224+10.00 0	905.802	905.575	5.00	0.00	0.00	0.00	1.36	12.18	11318.72	11318.7 2	10988.1 0	330.62
225+0.000	906.117	906.083	5.00	0.00	0.00	0.00	0.49	9.24	11318.72	11318.7 2	10997.3 5	321.38
225+10.00 0	906.360	906.297	5.00	0.04	0.23	0.23	0.28	3.71	11318.95	11318.9 5	11001.0 6	317.89
226+0.000	906.484	906.371	5.00	0.00	0.22	0.22	0.44	3.58	11319.17	11319.1 7	11004.6 4	314.54
226+10.00 0	906.490	906.425	5.00	0.00	0.02	0.02	0.93	6.84	11319.19	11319.1 9	11011.4 8	307.71
227+0.000	906.378	906.268	5.00	0.00	0.00	0.00	1.27	11.04	11319.19	11319.1 9	11022.5 2	296.67
227+10.00 0	906.218	906.078	5.00	0.00	0.00	0.00	1.71	14.89	11319.19	11319.1 9	11037.4 1	281.79
228+0.000	906.059	905.808	5.00	0.00	0.00	0.00	2.44	20.74	11319.19	11319.1 9	11058.1 5	261.05
228+10.00 0	905.899	905.537	5.00	0.00	0.00	0.00	3.22	28.33	11319.19	11319.1 9	11086.4 8	232.72
229+0.000	905.739	905.247	5.00	0.00	0.00	0.00	4.20	37.17	11319.19	11319.1 9	11123.6 5	195.55
229+10.00 0	905.580	904.956	5.00	0.00	0.00	0.00	4.55	43.73	11319.19	11319.1 9	11167.3 7	151.82
230+0.000	905.420	904.701	5.00	0.00	0.00	0.00	5.24	48.96	11319.19	11319.1 9	11216.3 3	102.86
230+10.00 0	905.260	904.449	5.00	0.00	0.00	0.00	5.83	55.36	11319.19	11319.1 9	11271.7 0	47.49
231+0.000	905.101	904.201	5.00	0.00	0.00	0.00	6.42	61.20	11319.19	11319.1 9	11332.9 0	-13.71
231+10.00 0	904.941	903.953	5.00	0.00	0.00	0.00	6.81	66.15	11319.19	11319.1 9	11399.0 5	-79.85
232+0.000	904.781	903.759	5.00	0.00	0.00	0.00	6.96	68.89	11319.19	11319.1 9	11467.9 3	-148.74
232+10.00 0	904.622	903.619	5.00	0.00	0.00	0.00	7.05	70.03	11319.19	11319.1 9	11537.9 6	-218.77
233+0.000	904.462	903.473	5.00	0.00	0.00	0.00	7.16	71.05	11319.19	11319.1 9	11609.0 1	-289.82
233+10.00 0	904.302	903.304	5.00	0.00	0.00	0.00	7.27	72.14	11319.19	11319.1 9	11681.1 6	-361.97
234+0.000	904.143	903.135	5.00	0.00	0.00	0.00	7.33	72.97	11319.19	11319.1 9	11754.1 3	-434.93
234+10.00 0	903.983	902.955	5.00	0.00	0.00	0.00	7.36	73.41	11319.19	11319.1 9	11827.5 4	-508.34
235+0.000	903.823	902.773	5.00	0.00	0.00	0.00	7.25	73.08	11319.19	11319.1 9	11900.6 2	-581.43
235+10.00 0	903.664	902.619	5.00	0.00	0.00	0.00	7.17	72.03	11319.19	11319.1 9	11972.6 5	-653.46
236+0.000	903.504	902.470	5.00	0.00	0.00	0.00	7.13	71.50	11319.19	11319.1 9	12044.1 5	-724.96
236+10.00 0	903.344	902.313	5.00	0.00	0.00	0.00	7.10	71.11	11319.19	11319.1 9	12115.2 6	-796.06
237+0.000	903.185	902.153	5.00	0.00	0.00	0.00	7.07	70.85	11319.19	11319.1 9	12186.1 1	-866.91
237+10.00 0	903.025	902.000	5.00	0.00	0.00	0.00	7.03	70.55	11319.19	11319.1 9	12256.6 5	-937.46
238+0.000	902.865	901.852	5.00	0.00	0.00	0.00	6.97	70.00	11319.19	11319.1 9	12326.6 6	-1007.46
238+10.00 0	902.706	901.791	5.00	0.00	0.00	0.00	6.57	67.69	11319.19	11319.1 9	12394.3 4	-1075.15
239+0.000	902.546	901.650	5.00	0.00	0.00	0.00	6.38	64.77	11319.19	11319.1 9	12459.1 1	-1139.92
239+10.00 0	902.386	901.509	5.00	0.00	0.00	0.00	6.12	62.53	11319.19	11319.1 9	12521.6 4	-1202.44
240+0.000	902.227	901.388	5.00	0.00	0.00	0.00	5.82	59.73	11319.19	11319.1 9	12581.3 6	-1262.17
240+10.00 0	902.067	901.267	5.00	0.00	0.00	0.00	5.54	56.77	11319.19	11319.1 9	12638.1 3	-1318.94
241+0.000	901.907	901.130	5.00	0.00	0.00	0.00	5.27	54.04	11319.19	11319.1 9	12692.1 7	-1372.98
241+10.00 0	901.748	900.976	5.00	0.00	0.00	0.00	5.01	51.40	11319.19	11319.1 9	12743.5 7	-1424.38
242+0.000	901.588	900.822	5.00	0.00	0.00	0.00	4.76	48.83	11319.19	11319.1 9	12792.4 0	-1473.21
242+10.00 0	901.428	900.723	5.00	0.00	0.00	0.00	4.51	46.34	11319.19	11319.1 9	12838.7 4	-1519.55
243+0.000	901.268	900.629	5.00	0.00	0.00	0.00	4.24	43.78	11319.19	11319.1 9	12882.5 2	-1563.32
243+10.00 0	901.109	900.531	5.00	0.00	0.00	0.00	3.91	40.77	11319.19	11319.1 9	12923.2 9	-1604.09
244+0.000	900.949	900.427	5.00	0.00	0.00	0.00	3.51	37.15	11319.19	11319.1 9	12960.4 3	-1641.24
244+10.00 0	900.789	900.323	5.00	0.00	0.00	0.00	3.12	33.19	11319.19	11319.1 9	12993.6 2	-1674.43
245+0.000	900.630	900.157	5.00	0.00	0.00	0.00	3.04	30.77	11319.19	11319.1 9	13024.3 9	-1705.20
245+10.00 0	900.470	899.983	5.00	0.00	0.00	0.00	3.02	30.33	11319.19	11319.1 9	13054.7 2	-1735.53
246+0.000	900.310	899.812	5.00	0.00	0.00	0.00	3.00	30.14	11319.19	11319.1 9	13084.8 6	-1765.66
246+10.00 0	900.151	899.644	5.00	0.00	0.00	0.00	2.98	29.93	11319.19	11319.1 9	13114.7 8	-1795.59


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247+0.000	899.991	899.477	5.00	0.00	0.00	0.00	2.98	29.78	11319.19	11319.19	13144.57	-1825.37
247+10.000	899.831	899.405	5.00	0.00	0.00	0.00	2.79	28.84	11319.19	11319.19	13173.41	-1854.22
248+0.000	899.672	899.372	5.00	0.00	0.00	0.00	2.44	26.15	11319.19	11319.19	13199.56	-1880.37
248+10.000	899.512	899.275	5.00	0.00	0.00	0.00	2.03	22.29	11319.19	11319.19	13221.86	-1902.66
249+0.000	899.352	899.062	5.00	0.00	0.00	0.00	1.75	18.86	11319.19	11319.19	13240.72	-1921.53
249+10.000	899.193	898.849	5.00	0.00	0.00	0.00	1.63	16.88	11319.19	11319.19	13257.60	-1938.41
250+0.000	899.033	898.698	5.00	0.00	0.00	0.00	1.55	15.91	11319.19	11319.19	13273.51	-1954.32
250+10.000	898.873	898.552	5.00	0.00	0.00	0.00	1.45	15.00	11319.19	11319.19	13288.51	-1969.31
251+0.000	898.714	898.481	5.00	0.02	0.11	0.11	1.18	13.18	11319.30	11319.30	13301.68	-1982.38
251+10.000	898.554	898.288	5.00	0.00	0.11	0.11	1.43	13.05	11319.42	11319.42	13314.73	-1995.31
252+0.000	898.394	898.097	5.00	0.00	0.04	0.04	1.48	14.59	11319.46	11319.46	13329.32	-2009.86
252+10.000	898.235	898.038	5.00	0.02	0.16	0.16	1.09	12.84	11319.62	11319.62	13342.16	-2022.55
253+0.000	898.075	897.902	5.00	0.00	0.11	0.11	1.10	10.91	11319.73	11319.73	13353.08	-2033.34
253+10.000	897.915	897.744	5.00	0.00	0.00	0.00	1.27	11.81	11319.73	11319.73	13364.89	-2045.16
254+0.000	897.747	897.582	5.00	0.00	0.00	0.00	1.24	12.57	11319.73	11319.73	13377.46	-2057.73
254+10.000	897.547	897.375	5.00	0.00	0.02	0.02	0.93	10.90	11319.75	11319.75	13388.36	-2068.61
255+0.000	897.314	897.104	5.00	0.05	0.25	0.25	1.14	10.40	11320.00	11320.00	13398.76	-2078.76
255+10.000	897.050	896.827	5.00	0.39	2.30	2.30	0.55	8.61	11322.30	11322.30	13407.37	-2085.08
256+0.000	896.763	896.788	5.00	1.63	10.10	10.10	0.20	3.78	11332.40	11332.40	13411.55	-2078.75
256+10.000	896.475	896.455	5.00	0.62	11.23	11.23	0.01	1.05	11343.63	11343.63	13412.20	-2068.57
257+0.000	896.186	896.382	5.00	1.74	11.80	11.80	0.00	0.05	11355.43	11355.43	13412.25	-2056.82
257+10.000	895.898	896.055	5.00	1.71	17.27	17.27	0.00	0.00	11372.70	11372.70	13412.25	-2039.55
258+0.000	895.610	895.924	5.00	2.43	20.73	20.73	0.00	0.00	11393.43	11393.43	13412.25	-2018.82
258+10.000	895.322	895.698	5.00	2.65	25.38	25.38	0.00	0.00	11418.81	11418.81	13412.25	-1993.45
259+0.000	895.033	895.417	5.00	2.46	25.57	25.57	0.00	0.00	11444.37	11444.37	13412.25	-1967.88
259+10.000	894.745	895.001	5.00	1.99	22.28	22.28	0.00	0.00	11466.65	11466.65	13412.25	-1945.60
260+0.000	894.457	894.619	5.00	1.52	17.57	17.57	0.00	0.00	11484.22	11484.22	13412.25	-1928.03
260+10.000	894.169	894.335	5.00	1.42	14.61	14.61	0.00	0.00	11498.83	11498.83	13412.25	-1913.42
261+0.000	893.880	894.003	5.00	1.32	13.73	13.73	0.00	0.00	11512.56	11512.56	13412.25	-1899.69
261+10.000	893.592	893.683	5.00	1.62	14.68	14.68	0.00	0.00	11527.23	11527.23	13412.25	-1885.02
262+0.000	893.304	893.407	5.00	1.78	16.98	16.98	0.00	0.00	11544.22	11544.22	13412.25	-1868.04
262+10.000	893.016	893.139	5.00	1.52	16.50	16.50	0.00	0.00	11560.72	11560.72	13412.25	-1851.54
263+0.000	892.728	893.056	5.00	2.53	20.26	20.26	0.00	0.00	11580.97	11580.97	13412.25	-1831.28
263+10.000	892.439	892.743	5.00	2.64	25.83	25.83	0.00	0.00	11606.80	11606.80	13412.25	-1805.45
264+0.000	892.151	892.436	5.00	2.50	25.70	25.70	0.00	0.00	11632.51	11632.51	13412.25	-1779.74
264+10.000	891.863	892.130	5.00	3.01	27.44	27.44	0.00	0.00	11659.95	11659.95	13412.25	-1752.30
265+0.000	891.575	892.093	5.00	4.34	36.46	36.46	0.00	0.00	11696.41	11696.41	13412.25	-1715.84
265+10.000	891.286	891.430	5.00	3.62	39.82	39.82	0.00	0.00	11736.23	11736.23	13412.25	-1676.02
266+0.000	890.998	891.095	5.00	2.59	30.88	30.88	0.00	0.00	11767.11	11767.11	13412.25	-1645.15
266+10.000	890.710	891.016	5.00	3.19	28.90	28.90	0.00	0.00	11796.01	11796.01	13412.25	-1616.24
267+0.000	890.422	890.669	5.00	3.53	33.74	33.74	0.00	0.00	11829.75	11829.75	13412.25	-1582.50
267+10.000	890.133	890.642	5.00	4.43	39.82	39.82	0.00	0.00	11869.57	11869.57	13412.25	-1542.68
268+0.000	889.845	890.223	5.00	3.94	41.85	41.85	0.00	0.00	11911.42	11911.42	13412.25	-1500.83
268+10.000	889.557	890.040	5.00	4.41	41.73	41.73	0.00	0.00	11953.15	11953.15	13412.25	-1459.10
269+0.000	889.269	889.708	5.00	4.93	46.98	46.98	0.00	0.00	12000.13	12000.13	13412.25	-1412.12


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269+10.00 0	888.981	889.540	5.00	5.45	51.85	51.85	0.00	0.00	12051.99	12051.9 9	13412.2 5	-1360.27
270+0.000	888.692	889.373	5.00	6.11	57.80	57.80	0.00	0.00	12109.78	12109.7 8	13412.2 5	-1302.47
270+10.00 0	888.404	889.135	5.00	6.63	63.70	63.70	0.00	0.00	12173.48	12173.4 8	13412.2 5	-1238.77
271+0.000	888.116	888.824	5.00	7.02	68.22	68.22	0.00	0.00	12241.71	12241.7 1	13412.2 5	-1170.54
271+10.00 0	887.828	888.701	5.00	6.90	69.42	69.42	0.00	0.00	12311.13	12311.1 3	13412.2 5	-1101.12
272+0.000	887.539	888.129	5.00	4.73	58.15	58.15	0.00	0.00	12369.28	12369.2 8	13412.2 5	-1042.97
272+10.00 0	887.251	887.690	5.00	3.54	41.40	41.40	0.00	0.00	12410.69	12410.6 9	13412.2 5	-1001.57
273+0.000	886.963	887.245	5.00	2.49	30.15	30.15	0.00	0.00	12440.83	12440.8 3	13412.2 5	-971.42
273+10.00 0	886.675	886.712	5.00	1.13	18.16	18.16	0.00	0.00	12458.99	12458.9 9	13412.2 5	-953.26
274+0.000	886.386	886.159	5.00	0.05	5.92	5.92	0.96	4.80	12464.92	12464.9 2	13417.0 6	-952.14
274+10.00 0	886.098	886.063	5.00	0.36	2.06	2.06	0.73	8.43	12466.97	12466.9 7	13425.4 9	-958.51
274+11.81 1	886.046	886.046	0.91	0.55	0.82	0.82	0.36	0.98	12467.79	12467.7 9	13426.4 7	-958.68


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Relatório de Volumes

RAMAL SITIO CACIMBA DO MEIO

Estaca Inicial: 0+0.000

Estaca Final: 175 + 10.00

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0.000	925.357	925.357	0.00	0.42	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00
0+10.000	925.525	925.602	5.00	0.84	6.32	6.32	0.00	0.47	6.32	6.32	0.47	5.86
1+0.000	925.694	925.843	5.00	1.30	10.70	10.70	0.00	0.00	17.02	17.02	0.47	16.56
1+10.000	925.862	926.008	5.00	1.35	13.25	13.25	0.00	0.00	30.27	30.27	0.47	29.80
2+0.000	926.031	926.074	5.00	0.68	10.13	10.13	0.03	0.17	40.40	40.40	0.64	39.76
2+10.000	926.199	926.070	5.00	0.13	4.02	4.02	0.66	3.48	44.42	44.42	4.12	40.30
3+0.000	926.357	926.081	5.00	0.00	0.67	0.67	1.48	10.78	45.09	45.09	14.90	30.19
3+10.000	926.403	926.181	5.00	0.04	0.26	0.26	1.25	13.72	45.34	45.34	28.62	16.72
4+0.000	926.309	926.122	5.00	0.09	0.66	0.66	1.04	11.50	46.00	46.00	40.12	5.88
4+10.000	926.075	925.925	5.00	0.15	1.20	1.20	0.84	9.38	47.20	47.20	49.50	-2.30
5+0.000	925.710	925.729	5.00	0.69	4.22	4.22	0.15	4.95	51.43	51.43	54.45	-3.03
5+10.000	925.318	925.571	5.00	2.21	14.49	14.49	0.00	0.76	65.91	65.91	55.22	10.70
6+0.000	924.926	925.369	5.00	3.72	29.61	29.61	0.00	0.00	95.52	95.52	55.22	40.31
6+10.000	924.534	925.121	5.00	4.93	43.23	43.23	0.00	0.00	138.75	138.75	55.22	83.54
7+0.000	924.143	924.843	5.00	6.06	54.93	54.93	0.00	0.00	193.69	193.69	55.22	138.47
7+10.000	923.751	924.565	5.00	7.16	66.10	66.10	0.00	0.00	259.78	259.78	55.22	204.57
8+0.000	923.359	924.225	5.00	7.69	74.25	74.25	0.00	0.00	334.03	334.03	55.22	278.81
8+10.000	922.967	923.831	5.00	7.64	76.64	76.64	0.00	0.00	410.68	410.68	55.22	355.46
9+0.000	922.575	923.387	5.00	6.73	72.59	72.59	0.00	0.00	483.26	483.26	55.22	428.05
9+10.000	922.183	922.775	5.00	4.84	58.33	58.33	0.00	0.00	541.59	541.59	55.22	486.37
10+0.000	921.792	922.148	5.00	2.88	38.83	38.83	0.00	0.00	580.42	580.42	55.22	525.20
10+10.000	921.448	921.553	5.00	1.15	20.14	20.14	0.00	0.00	600.56	600.56	55.22	545.35
11+0.000	921.191	920.997	5.00	0.00	5.91	5.91	0.91	4.54	606.47	606.47	59.76	546.71
11+10.000	921.020	920.416	5.00	0.00	0.00	0.00	3.89	24.05	606.47	606.47	83.81	522.65
12+0.000	920.936	919.809	5.00	0.00	0.00	0.00	8.75	63.23	606.47	606.47	147.05	459.42
12+10.000	920.925	919.620	5.00	0.00	0.00	0.00	10.71	97.30	606.47	606.47	244.34	362.12
13+0.000	920.954	919.904	5.00	0.00	0.00	0.00	8.28	95.49	606.47	606.47	339.83	266.64
13+10.000	920.983	920.253	5.00	0.00	0.00	0.00	5.10	66.90	606.47	606.47	406.73	199.74
14+0.000	921.013	920.759	5.00	0.02	0.08	0.08	1.46	32.80	606.55	606.55	439.53	167.02
14+10.000	921.113	921.236	5.00	1.25	6.34	6.34	0.07	7.63	612.89	612.89	447.16	165.73
15+0.000	921.356	921.583	5.00	2.19	17.14	17.14	0.00	0.34	630.03	630.03	447.50	182.53
15+10.000	921.742	921.905	5.00	1.77	19.78	19.78	0.00	0.01	649.80	649.80	447.51	202.29
16+0.000	922.271	922.265	5.00	0.85	13.11	13.11	0.48	2.40	662.91	662.91	449.92	212.99
16+10.000	922.874	922.637	5.00	0.21	5.33	5.33	0.00	2.40	668.24	668.24	452.32	215.92
17+0.000	923.476	923.016	5.00	0.00	1.05	1.05	0.00	0.00	669.29	669.29	452.32	216.97
17+10.000	924.079	923.438	5.00	0.00	0.00	0.00	4.70	23.50	669.29	669.29	475.83	193.47
18+0.000	924.681	923.857	5.00	0.00	0.00	0.00	6.32	55.12	669.29	669.29	530.94	138.35
18+10.000	925.284	924.545	5.00	0.00	0.00	0.00	5.69	60.76	669.29	669.29	591.71	77.59
19+0.000	925.886	925.279	5.00	0.00	0.00	0.00	4.49	50.94	669.29	669.29	642.64	26.65
19+10.000	926.489	926.028	5.00	0.00	0.00	0.00	3.27	38.83	669.30	669.30	681.47	-12.17
20+0.000	927.091	926.779	5.00	0.13	0.64	0.64	2.19	27.31	669.94	669.94	708.78	-38.85
20+10.000	927.693	927.518	5.00	0.00	0.63	0.63	1.38	17.83	670.56	670.56	726.61	-56.05
21+0.000	928.296	928.230	5.00	0.85	4.27	4.27	1.01	11.95	674.83	674.83	738.56	-63.73
21+10.000	928.898	928.789	5.00	0.79	8.20	8.20	1.22	11.17	683.03	683.03	749.73	-66.70
22+0.000	929.401	929.348	5.00	1.01	8.96	8.96	0.95	10.86	691.99	691.99	760.59	-68.60
22+10.000	929.637	929.708	5.00	1.70	14.54	14.54	0.39	6.26	706.52	706.52	766.85	-60.33
23+0.000	929.606	929.580	5.00	1.04	14.37	14.37	0.81	5.73	720.90	720.90	772.58	-51.68
23+10.000	929.307	929.276	5.00	0.97	10.07	10.07	0.77	7.88	730.96	730.96	780.45	-49.49
24+0.000	928.840	928.959	5.00	1.71	13.43	13.43	0.25	5.08	744.39	744.39	785.54	-41.14
24+10.000	928.370	928.642	5.00	2.75	22.31	22.31	0.02	1.33	766.70	766.70	786.87	-20.16
25+0.000	927.900	928.318	5.00	3.95	33.49	33.49	0.00	0.08	800.19	800.19	786.94	13.25
25+10.000	927.431	927.969	5.00	5.01	44.79	44.79	0.00	0.00	844.98	844.98	786.94	58.04
26+0.000	926.961	927.644	5.00	6.39	56.97	56.97	0.00	0.00	901.95	901.95	786.94	115.01
26+10.000	926.491	927.061	5.00	5.29	58.35	58.35	0.00	0.00	960.31	960.31	786.94	173.36
27+0.000	926.022	926.464	5.00	4.14	47.11	47.11	0.00	0.00	1007.42	1007.42	786.94	220.47
27+10.000	925.552	925.969	5.00	3.72	39.28	39.28	0.00	0.00	1046.70	1046.70	786.94	259.76
28+0.000	925.082	925.488	5.00	3.70	37.10	37.10	0.00	0.00	1083.80	1083.80	786.94	296.86
28+10.000	924.618	924.848	5.00	2.29	29.94	29.94	0.02	0.08	1113.74	1113.74	787.02	326.72
29+0.000	924.276	924.286	5.00	0.87	15.51	15.51	0.36	1.94	1129.25	1129.25	788.96	340.29
29+10.000	924.105	924.130	5.00	0.96	8.43	8.43	0.35	3.88	1137.68	1137.68	792.84	344.84


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30+0.000	924.105	924.266	5.00	1.61	12.14	12.14	0.01	1.96	1149.82	1149.82	794.79	355.03
30+10.000	924.271	924.440	5.00	1.67	16.39	16.39	0.00	0.11	1166.21	1166.21	794.91	371.30
31+0.000	924.484	924.614	5.00	1.41	15.38	15.38	0.00	0.04	1181.59	1181.59	794.95	386.63
31+10.000	924.698	924.768	5.00	1.13	12.71	12.71	0.28	1.39	1194.29	1194.29	796.35	397.95
32+0.000	924.912	924.956	5.00	1.13	11.00	11.00	0.34	3.20	1205.29	1205.29	799.55	405.75
32+10.000	925.125	925.174	5.00	1.15	11.44	11.44	0.33	3.35	1216.73	1216.73	802.89	413.83
33+0.000	925.339	925.334	5.00	0.00	5.77	5.77	0.49	4.11	1222.50	1222.50	807.00	415.49
33+10.000	925.576	925.481	5.00	0.56	2.78	2.78	0.89	6.91	1225.28	1225.28	813.91	411.36
34+0.000	925.942	925.742	5.00	0.35	4.12	4.12	1.52	12.86	1229.40	1229.40	826.78	402.62
34+10.000	926.449	926.402	5.00	0.00	1.59	1.59	0.59	11.29	1230.99	1230.99	838.07	392.92
35+0.000	927.097	927.431	5.00	2.82	13.63	13.63	0.00	3.15	1244.62	1244.62	841.22	403.40
35+10.000	927.862	928.524	5.00	5.53	41.75	41.75	0.00	0.00	1286.37	1286.37	841.22	445.15
36+0.000	928.639	929.348	5.00	6.27	59.03	59.03	0.00	0.00	1345.40	1345.40	841.22	504.18
36+10.000	929.416	930.173	5.00	6.73	65.02	65.02	0.00	0.00	1410.42	1410.42	841.22	569.20
37+0.000	930.193	930.938	5.00	0.00	34.02	34.02	0.00	0.00	1444.43	1444.43	841.22	603.21
37+10.000	930.970	931.664	5.00	6.26	31.32	31.32	0.00	0.00	1475.75	1475.75	841.22	634.53
38+0.000	931.747	932.435	5.00	6.22	62.41	62.41	0.00	0.00	1538.16	1538.16	841.22	696.94
38+10.000	932.524	933.160	5.00	5.70	59.58	59.58	0.00	0.00	1597.74	1597.74	841.22	756.53
39+0.000	933.301	933.722	5.00	3.90	47.98	47.98	0.00	0.00	1645.72	1645.72	841.22	804.50
39+10.000	934.078	934.191	5.00	1.52	27.28	27.28	0.00	0.00	1673.00	1673.00	841.22	831.79
40+0.000	934.849	934.499	5.00	0.05	7.93	7.93	2.40	11.95	1680.93	1680.93	853.17	827.76
40+10.000	935.464	934.806	5.00	0.00	0.27	0.27	4.88	36.37	1681.20	1681.20	889.54	791.66
41+0.000	935.851	935.112	5.00	0.00	0.00	0.00	5.59	52.35	1681.20	1681.20	941.89	739.31
41+10.000	936.010	935.419	5.00	0.00	0.00	0.00	4.29	49.42	1681.20	1681.20	991.31	689.89
42+0.000	935.947	935.581	5.00	0.04	0.22	0.22	2.64	34.65	1681.42	1681.42	1025.95	655.47
42+10.000	935.814	935.554	5.00	0.27	1.56	1.56	1.91	22.77	1682.98	1682.98	1048.73	634.26
43+0.000	935.681	935.577	5.00	0.71	4.89	4.89	1.10	15.05	1687.87	1687.87	1063.78	624.09
43+10.000	935.548	935.548	5.00	1.02	8.62	8.62	0.56	8.27	1696.49	1696.49	1072.05	624.44
44+0.000	935.415	935.409	5.00	0.99	10.02	10.02	0.58	5.69	1706.51	1706.51	1077.74	628.77
44+10.000	935.282	935.269	5.00	0.97	9.79	9.79	0.61	5.94	1716.30	1716.30	1083.68	632.61
45+0.000	935.149	935.202	5.00	1.20	10.87	10.87	0.33	4.70	1727.17	1727.17	1088.39	638.78
45+10.000	935.016	935.169	5.00	0.00	6.02	6.02	0.10	2.18	1733.19	1733.19	1090.57	642.62
46+0.000	934.883	935.135	5.00	2.33	11.65	11.65	0.00	0.53	1744.84	1744.84	1091.10	653.74
46+10.000	934.750	934.941	5.00	1.92	21.23	21.23	0.02	0.12	1766.07	1766.07	1091.21	674.85
47+0.000	934.617	934.677	5.00	1.11	15.44	15.44	0.23	1.24	1781.50	1781.50	1092.45	689.05
47+10.000	934.483	934.381	5.00	0.48	7.96	7.96	0.84	5.40	1789.47	1789.47	1097.85	691.61
48+0.000	934.350	934.196	5.00	0.29	3.86	3.86	1.05	9.46	1793.32	1793.32	1107.31	686.01
48+10.000	934.217	934.042	5.00	0.25	2.70	2.70	1.16	11.01	1796.02	1796.02	1118.33	677.69
49+0.000	934.084	933.889	5.00	0.19	2.20	2.20	1.27	12.11	1798.22	1798.22	1130.44	667.78
49+10.000	933.951	933.675	5.00	0.04	1.19	1.19	1.68	14.74	1799.41	1799.41	1145.18	654.23
50+0.000	933.818	933.439	5.00	0.00	0.21	0.21	2.40	20.40	1799.62	1799.62	1165.58	634.05
50+10.000	933.685	933.212	5.00	0.00	0.00	0.00	3.06	27.31	1799.62	1799.62	1192.89	606.74
51+0.000	933.552	933.120	5.00	0.00	0.00	0.00	2.76	29.14	1799.62	1799.62	1222.03	577.60
51+10.000	933.419	933.027	5.00	0.00	0.00	0.00	2.46	26.11	1799.62	1799.62	1248.13	551.49
52+0.000	933.286	932.935	5.00	0.00	0.00	0.00	2.18	23.21	1799.62	1799.62	1271.35	528.28
52+10.000	933.153	932.697	5.00	0.00	0.00	0.00	2.89	24.84	1799.62	1799.62	1296.19	503.43
53+0.000	933.020	932.399	5.00	0.00	0.00	0.00	4.21	35.49	1799.62	1799.62	1331.68	467.94
53+10.000	932.887	932.244	5.00	0.00	0.00	0.00	4.36	42.85	1799.62	1799.62	1374.53	425.09
54+0.000	932.754	932.229	5.00	0.00	0.00	0.00	3.38	38.71	1799.62	1799.62	1413.25	386.38
54+10.000	932.621	932.265	5.00	0.00	0.00	0.00	2.15	27.67	1799.62	1799.62	1440.91	358.71
55+0.000	932.488	932.308	5.00	0.11	0.56	0.56	1.02	15.84	1800.18	1800.18	1456.75	343.43
55+10.000	932.355	932.351	5.00	0.49	3.00	3.00	0.24	6.27	1803.18	1803.18	1463.02	340.16
56+0.000	932.222	932.344	5.00	1.15	8.20	8.20	0.00	1.19	1811.38	1811.38	1464.21	347.17
56+10.000	932.089	932.252	5.00	0.00	5.76	5.76	0.00	0.00	1817.14	1817.14	1464.21	352.93
57+0.000	931.960	932.113	5.00	1.37	7.03	7.03	0.00	0.00	1824.17	1824.17	1464.21	359.96
57+10.000	931.859	931.870	5.00	0.47	9.26	9.26	0.07	0.35	1833.43	1833.43	1464.56	368.86
58+0.000	931.786	931.626	5.00	0.07	2.71	2.71	0.79	4.30	1836.14	1836.14	1468.86	367.28
58+10.000	931.743	931.404	5.00	0.00	0.34	0.34	1.97	13.82	1836.47	1836.47	1482.68	353.80
59+0.000	931.724	931.143	5.00	0.00	0.00	0.00	3.81	28.91	1836.47	1836.47	1511.59	324.88
59+10.000	931.708	930.880	5.00	0.00	0.00	0.00	5.93	48.66	1836.47	1836.47	1560.25	276.22
60+0.000	931.693	930.617	5.00	0.00	0.00	0.00	8.30	71.11	1836.47	1836.47	1631.36	205.11
60+10.000	931.685	930.355	5.00	0.00	0.00	0.00	10.99	96.69	1836.47	1836.47	1728.05	108.42
61+0.000	931.688	930.244	5.00	0.00	0.00	0.00	12.35	119.12	1836.47	1836.47	1847.17	-10.70
61+10.000	931.702	930.306	5.00	0.00	0.00	0.00	11.80	121.16	1836.47	1836.47	1968.34	-131.86
62+0.000	931.725	930.516	5.00	0.00	0.00	0.00	9.72	109.18	1836.47	1836.47	2077.51	-241.04
62+10.000	931.750	930.804	5.00	0.00	0.00	0.00	0.00	48.58	1836.47	1836.47	2126.09	-289.62
63+0.000	931.775	931.140	5.00	0.00	0.00	0.00	4.30	21.50	1836.47	1836.47	2147.59	-311.11
63+10.000	931.835	931.476	5.00	0.00	0.00	0.00	2.15	32.25	1836.47	1836.47	2179.83	-343.36
64+0.000	931.969	931.812	5.00	0.12	0.61	0.61	0.86	15.06	1837.09	1837.09	2194.90	-357.81
64+10.000	932.179	932.215	5.00	0.69	4.27	4.27	0.09	4.61	1841.35	1841.35	2199.50	-358.15
65+0.000	932.464	932.488	5.00	0.67	7.04	7.04	0.14	1.11	1848.40	1848.40	2200.61	-352.22
65+10.000	932.790	932.741	5.00	0.40	5.38	5.38	0.39	2.65	1853.77	1853.77	2203.27	-349.49
66+0.000	933.116	932.993	5.00	0.21	3.06	3.06	0.71	5.51	1856.83	1856.83	2208.78	-351.95
66+10.000	933.442	933.245	5.00	0.07	1.41	1.41	1.06	8.85	1858.24	1858.24	2217.63	-359.39
67+0.000	933.768	933.515	5.00	0.00	0.37	0.37	1.37	12.12	1858.61	1858.61	2229.76	-371.15
67+10.000	934.094	933.912	5.00	0.01	0.05	0.05	0.88	11.58	1858.66	1858.66	2241.33	-382.68
68+0.000	934.420	934.370	5.00	0.22	1.17	1.17	0.23	5.58	1859.82	1859.82	2246.91	-387.09


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68+10.000	934.746	934.732	5.00	0.24	2.32	2.32	0.03	1.30	1862.14	1862.14	2248.21	-386.07
69+0.000	935.072	934.973	5.00	0.05	1.45	1.45	0.38	2.03	1863.59	1863.59	2250.24	-386.65
69+10.000	935.398	935.213	5.00	0.00	0.25	0.25	0.84	6.10	1863.83	1863.83	2256.34	-392.50
70+0.000	935.724	935.578	5.00	0.00	0.01	0.01	0.62	7.35	1863.84	1863.84	2263.69	-399.85
70+10.000	936.050	936.068	5.00	0.41	2.01	2.01	0.00	3.15	1865.85	1865.85	2266.84	-400.99
71+0.000	936.376	936.499	5.00	1.10	7.54	7.54	0.00	0.00	1873.39	1873.39	2266.84	-393.45
71+10.000	936.655	936.735	5.00	0.81	9.57	9.57	0.00	0.00	1882.96	1882.96	2266.84	-383.88
72+0.000	936.817	936.914	5.00	0.93	9.07	9.07	0.00	0.00	1892.03	1892.03	2266.84	-374.81
72+10.000	936.861	936.878	5.00	0.40	7.20	7.20	0.00	0.00	1899.24	1899.24	2266.84	-367.60
73+0.000	936.787	936.716	5.00	0.06	2.34	2.34	0.21	1.04	1901.57	1901.57	2267.88	-366.31
73+10.000	936.642	936.481	5.00	0.00	0.32	0.32	0.72	4.67	1901.89	1901.89	2272.55	-370.67
74+0.000	936.496	936.351	5.00	0.01	0.07	0.07	0.63	6.77	1901.95	1901.95	2279.33	-377.37
74+10.000	936.350	936.221	5.00	0.02	0.17	0.17	0.54	5.86	1902.12	1902.12	2285.18	-383.06
75+0.000	936.204	936.074	5.00	0.07	0.46	0.46	0.58	5.58	1902.58	1902.58	2290.77	-388.19
75+10.000	936.058	935.955	5.00	0.21	1.41	1.41	0.43	5.02	1903.99	1903.99	2295.79	-391.80
76+0.000	935.912	935.865	5.00	0.44	3.25	3.25	0.32	3.77	1907.25	1907.25	2299.56	-392.31
76+10.000	935.766	935.801	5.00	0.75	5.92	5.92	0.12	2.21	1913.17	1913.17	2301.78	-388.61
77+0.000	935.621	935.737	5.00	1.23	9.87	9.87	0.00	0.63	1923.04	1923.04	2302.40	-379.36
77+10.000	935.475	935.620	5.00	1.41	13.19	13.19	0.00	0.03	1936.23	1936.23	2302.44	-366.21
78+0.000	935.329	935.485	5.00	1.49	14.48	14.48	0.00	0.00	1950.71	1950.71	2302.44	-351.73
78+10.000	935.183	935.292	5.00	1.20	13.43	13.43	0.00	0.01	1964.14	1964.14	2302.45	-338.31
79+0.000	935.037	935.145	5.00	1.12	11.60	11.60	0.00	0.03	1975.74	1975.74	2302.48	-326.75
79+10.000	934.891	934.998	5.00	1.11	11.17	11.17	0.00	0.04	1986.91	1986.91	2302.52	-315.61
80+0.000	934.759	934.851	5.00	1.02	10.65	10.65	0.01	0.09	1997.56	1997.56	2302.61	-305.05
80+10.000	934.723	934.683	5.00	0.39	7.05	7.05	0.32	1.66	2004.61	2004.61	2304.27	-299.65
81+0.000	934.796	934.599	5.00	0.04	2.14	2.14	1.03	6.75	2006.76	2006.76	2311.02	-304.26
81+10.000	934.977	934.739	5.00	0.00	0.21	0.21	1.24	11.37	2006.97	2006.97	2322.39	-315.42
82+0.000	935.253	934.940	5.00	0.00	0.03	0.03	1.77	15.06	2007.00	2007.00	2337.45	-330.45
82+10.000	935.542	935.227	5.00	0.00	0.00	0.00	1.79	17.78	2007.00	2007.00	2355.23	-348.23
83+0.000	935.831	935.514	5.00	0.00	0.00	0.00	1.78	17.81	2007.00	2007.00	2373.04	-366.04
83+10.000	936.121	935.820	5.00	0.00	0.00	0.00	1.65	17.16	2007.00	2007.00	2390.20	-383.19
84+0.000	936.410	936.149	5.00	0.00	0.00	0.00	1.39	15.24	2007.00	2007.00	2405.43	-398.43
84+10.000	936.699	936.482	5.00	0.00	0.00	0.00	1.11	12.51	2007.00	2007.00	2417.95	-410.94
85+0.000	936.988	936.815	5.00	0.00	0.01	0.01	0.85	9.80	2007.01	2007.01	2427.75	-420.73
85+10.000	937.277	937.140	5.00	0.02	0.12	0.12	0.59	7.19	2007.13	2007.13	2434.94	-427.81
86+0.000	937.566	937.541	5.00	0.21	1.15	1.15	0.06	3.24	2008.28	2008.28	2438.18	-429.90
86+10.000	937.855	937.951	5.00	0.93	5.68	5.68	0.00	0.30	2013.96	2013.96	2438.47	-424.51
87+0.000	938.144	938.360	5.00	1.77	13.49	13.49	0.00	0.00	2027.45	2027.45	2438.47	-411.02
87+10.000	938.433	938.722	5.00	2.31	20.42	20.42	0.00	0.00	2047.88	2047.88	2438.47	-390.60
88+0.000	938.722	939.049	5.00	2.61	24.62	24.62	0.00	0.00	2072.49	2072.49	2438.47	-365.98
88+10.000	939.011	939.384	5.00	2.95	27.83	27.83	0.00	0.00	2100.32	2100.32	2438.47	-338.15
89+0.000	939.300	939.710	5.00	3.25	31.04	31.04	0.00	0.00	2131.37	2131.37	2438.47	-307.11
89+10.000	939.589	939.792	5.00	1.72	24.88	24.88	0.00	0.00	2156.25	2156.25	2438.47	-282.22
90+0.000	939.878	939.938	5.00	0.70	12.12	12.12	0.00	0.00	2168.38	2168.38	2438.47	-270.10
90+10.000	940.168	940.094	5.00	0.15	4.26	4.26	0.31	1.55	2172.64	2172.64	2440.03	-267.39
91+0.000	940.452	940.211	5.00	0.00	0.75	0.75	1.21	7.58	2173.39	2173.39	2447.61	-274.22
91+10.000	940.600	940.365	5.00	0.00	0.00	0.00	1.24	12.24	2173.39	2173.39	2459.85	-286.46
92+0.000	940.555	940.518	5.00	0.31	1.54	1.54	0.22	7.33	2174.93	2174.93	2467.18	-292.25
92+10.000	940.318	940.648	5.00	2.70	15.01	15.01	0.00	1.12	2189.95	2189.95	2468.30	-278.36
93+0.000	939.893	940.054	5.00	1.45	20.72	20.72	0.00	0.00	2210.67	2210.67	2468.30	-257.64
93+10.000	939.411	939.506	5.00	1.02	12.09	12.09	0.00	0.02	2222.75	2222.75	2468.33	-245.57
94+0.000	938.928	939.005	5.00	0.91	9.63	9.63	0.02	0.12	2232.39	2232.39	2468.44	-236.05
94+10.000	938.446	938.504	5.00	0.80	8.55	8.55	0.04	0.31	2240.94	2240.94	2468.75	-227.81
95+0.000	937.963	938.004	5.00	0.71	7.57	7.57	0.08	0.59	2248.51	2248.51	2469.34	-220.84
95+10.000	937.485	937.503	5.00	0.61	6.60	6.60	0.13	1.03	2255.11	2255.11	2470.37	-215.27
96+0.000	937.099	937.002	5.00	0.24	4.26	4.26	0.56	3.44	2259.36	2259.36	2473.81	-214.45
96+10.000	936.843	936.618	5.00	0.14	1.52	1.52	1.41	11.16	2260.88	2260.88	2484.97	-224.09
97+0.000	936.716	936.679	5.00	0.64	3.93	3.93	0.52	9.61	2264.82	2264.82	2494.58	-229.77
97+10.000	936.716	936.718	5.00	0.78	7.09	7.09	0.35	4.35	2271.91	2271.91	2498.93	-227.02
98+0.000	936.783	936.747	5.00	0.66	7.19	7.19	0.52	4.38	2279.10	2279.10	2503.31	-224.21
98+10.000	936.952	936.773	5.00	0.23	4.47	4.47	1.17	8.46	2283.57	2283.57	2511.77	-228.20
99+0.000	937.228	937.224	5.00	0.52	3.00	3.00	0.19	7.86	2286.57	2286.57	2519.63	-233.06
99+10.000	937.610	938.030	5.00	3.45	19.85	19.85	0.00	0.97	2306.42	2306.42	2520.60	-214.18
100+0.000	938.066	938.810	5.00	0.00	17.26	17.26	0.00	0.00	2323.68	2323.68	2520.60	-196.92
100+10.000	938.526	939.585	5.00	9.54	47.71	47.71	0.00	0.00	2371.40	2371.40	2520.60	-149.20
101+0.000	938.986	940.126	5.00	10.76	105.77	105.77	0.00	0.00	2477.16	2477.16	2520.60	-43.44
101+10.000	939.446	940.591	5.00	10.82	107.89	107.89	0.00	0.00	2585.05	2585.05	2520.60	64.45
102+0.000	939.905	941.069	5.00	11.05	109.36	109.36	0.00	0.00	2694.40	2694.40	2520.60	173.80
102+10.000	940.365	941.494	5.00	10.67	108.60	108.60	0.00	0.00	2803.00	2803.00	2520.60	282.40
103+0.000	940.825	941.872	5.00	9.89	102.80	102.80	0.00	0.00	2905.80	2905.80	2520.60	385.20
103+10.000	941.285	942.250	5.00	9.00	94.48	94.48	0.00	0.00	3000.28	3000.28	2520.60	479.68
104+0.000	941.745	942.778	5.00	9.52	90.80	90.80	0.00	0.00	3091.08	3091.08	2520.60	570.47
104+10.000	942.204	943.344	5.00	10.93	102.29	102.29	0.00	0.00	3193.37	3193.37	2520.60	672.76
105+0.000	942.664	943.909	5.00	12.20	115.69	115.69	0.00	0.00	3309.05	3309.05	2520.60	788.45


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105+10.00 0	943.124	944.475	5.00	13.44	128.21	128.21	0.00	0.00	3437.26	3437.26	2520.60	916.66
106+0.000	943.584	944.682	5.00	10.57	120.03	120.03	0.00	0.00	3557.30	3557.30	2520.60	1036.70
106+10.00 0	944.044	944.803	5.00	6.96	87.61	87.61	0.00	0.00	3644.91	3644.91	2520.60	1124.31
107+0.000	944.503	944.932	5.00	3.89	54.20	54.20	0.00	0.00	3699.11	3699.11	2520.60	1178.51
107+10.00 0	944.963	945.071	5.00	1.49	26.85	26.85	0.19	0.93	3725.97	3725.97	2521.53	1204.44
108+0.000	945.423	945.208	5.00	0.26	8.74	8.74	1.52	8.55	3734.71	3734.71	2530.09	1204.62
108+10.00 0	945.883	945.344	5.00	0.00	1.32	1.32	3.85	26.85	3736.03	3736.03	2556.94	1179.09
109+0.000	946.343	945.478	5.00	0.00	0.00	0.00	6.77	53.07	3736.03	3736.03	2610.01	1126.02
109+10.00 0	946.802	945.859	5.00	0.00	0.00	0.00	7.49	71.31	3736.03	3736.03	2681.32	1054.71
110+0.000	947.262	946.432	5.00	0.00	0.00	0.00	6.40	69.45	3736.03	3736.03	2750.78	985.25
110+10.00 0	947.712	946.993	5.00	0.00	0.00	0.00	5.32	58.41	3736.03	3736.03	2809.19	926.84
111+0.000	948.141	947.552	5.00	0.00	0.00	0.00	4.20	47.62	3736.03	3736.03	2856.80	879.23
111+10.00 0	948.547	948.165	5.00	0.00	0.03	0.03	2.54	33.71	3736.06	3736.06	2890.51	845.55
112+0.000	948.932	948.758	5.00	0.30	1.54	1.54	1.20	18.69	3737.60	3737.60	2909.20	828.40
112+10.00 0	949.295	949.352	5.00	1.18	7.43	7.43	0.24	7.21	3745.03	3745.03	2916.41	828.63
113+0.000	949.635	950.072	5.00	4.01	25.99	25.99	0.00	1.22	3771.03	3771.03	2917.63	853.39
113+10.00 0	949.954	951.059	5.00	10.78	73.99	73.99	0.00	0.00	3845.01	3845.01	2917.63	927.38
114+0.000	950.252	951.624	5.00	14.11	139.35	139.35	0.00	0.00	3984.36	3984.36	2917.63	1066.73
114+10.00 0	950.527	951.252	5.00	6.86	107.96	107.96	0.00	0.00	4092.32	4092.32	2917.63	1174.69
115+0.000	950.780	950.861	5.00	1.53	41.95	41.95	0.36	1.78	4134.27	4134.27	2919.41	1214.86
115+10.00 0	951.012	950.516	5.00	0.00	7.67	7.67	3.70	20.26	4141.94	4141.94	2939.68	1202.26
116+0.000	951.221	950.184	5.00	0.00	0.02	0.02	8.91	63.01	4141.96	4141.96	3002.68	1139.27
116+10.00 0	951.409	950.030	5.00	0.00	0.00	0.00	12.55	114.78	4141.96	4141.96	3117.46	1024.49
117+0.000	951.575	950.341	5.00	0.00	0.00	0.00	10.92	117.35	4141.96	4141.96	3234.82	907.14
117+10.00 0	951.719	950.653	5.00	0.00	0.00	0.00	9.11	100.14	4141.96	4141.96	3334.95	807.00
118+0.000	951.841	950.868	5.00	0.00	0.00	0.00	8.09	85.99	4141.96	4141.96	3420.94	721.02
118+10.00 0	951.949	951.057	5.00	0.00	0.00	0.00	7.28	76.81	4141.96	4141.96	3497.75	644.20
119+0.000	952.056	951.245	5.00	0.00	0.00	0.00	6.50	68.86	4141.96	4141.96	3566.61	575.35
119+10.00 0	952.163	951.428	5.00	0.00	0.00	0.00	6.03	62.64	4141.96	4141.96	3629.25	512.71
120+0.000	952.270	951.453	5.00	0.00	0.00	0.00	6.82	64.28	4141.96	4141.96	3693.53	448.43
120+10.00 0	952.377	951.463	5.00	0.00	0.00	0.00	7.80	73.11	4141.96	4141.96	3766.64	375.32
121+0.000	952.483	951.474	5.00	0.00	0.00	0.00	9.02	84.12	4141.96	4141.96	3850.76	291.20
121+10.00 0	952.590	951.418	5.00	0.00	0.00	0.00	10.78	99.04	4141.96	4141.96	3949.79	192.16
122+0.000	952.697	951.670	5.00	0.00	0.00	0.00	9.07	105.14	4141.96	4141.96	4054.93	87.03
122+10.00 0	952.804	952.054	5.00	0.00	0.00	0.00	6.23	76.47	4141.96	4141.96	4131.40	10.55
123+0.000	952.911	952.437	5.00	0.05	0.23	0.23	3.74	49.85	4142.19	4142.19	4181.26	-39.06
123+10.00 0	953.018	952.809	5.00	0.55	2.97	2.97	1.88	28.09	4145.16	4145.16	4209.35	-64.18
124+0.000	953.125	953.099	5.00	1.18	8.64	8.64	0.91	13.91	4153.80	4153.80	4223.26	-69.46
124+10.00 0	953.232	953.407	5.00	2.26	17.21	17.21	0.26	5.83	4171.01	4171.01	4229.09	-58.08
125+0.000	953.339	953.704	5.00	3.75	30.07	30.07	0.00	1.31	4201.08	4201.08	4230.40	-29.32
125+10.00 0	953.446	953.858	5.00	4.06	39.07	39.07	0.00	0.00	4240.15	4240.15	4230.40	9.75
126+0.000	953.553	953.911	5.00	3.60	38.31	38.31	0.00	0.00	4278.46	4278.46	4230.41	48.06
126+10.00 0	953.654	953.997	5.00	3.39	34.95	34.95	0.00	0.00	4313.41	4313.41	4230.41	83.00
127+0.000	953.728	953.990	5.00	2.60	29.93	29.93	0.01	0.05	4343.34	4343.34	4230.46	112.88
127+10.00 0	953.775	953.445	5.00	0.14	13.01	13.01	2.22	11.63	4356.35	4356.35	4242.09	114.26
128+0.000	953.794	953.409	5.00	0.04	0.86	0.86	2.59	24.54	4357.22	4357.22	4266.62	90.59
128+10.00 0	953.792	953.398	5.00	0.01	0.23	0.23	0.00	12.95	4357.45	4357.45	4279.57	77.88
129+0.000	953.789	953.319	5.00	0.00	0.06	0.06	3.26	16.30	4357.50	4357.50	4295.87	61.63
129+10.00 0	953.785	953.212	5.00	0.00	0.00	0.00	4.15	37.05	4357.50	4357.50	4332.92	24.58
130+0.000	953.782	953.089	5.00	0.00	0.00	0.00	5.18	46.64	4357.50	4357.50	4379.56	-22.06
130+10.00 0	953.778	952.958	5.00	0.00	0.00	0.00	6.04	56.08	4357.50	4357.50	4435.64	-78.13
131+0.000	953.775	952.925	5.00	0.00	0.00	0.00	6.20	61.18	4357.50	4357.50	4496.82	-139.32
131+10.00 0	953.771	952.913	5.00	0.00	0.00	0.00	6.33	62.67	4357.50	4357.50	4559.49	-201.98
132+0.000	953.768	952.902	5.00	0.00	0.00	0.00	0.00	31.67	4357.50	4357.50	4591.16	-233.66
132+10.00 0	953.764	952.773	5.00	0.00	0.00	0.00	7.61	37.54	4357.50	4357.50	4628.70	-271.20
133+0.000	953.761	952.572	5.00	0.00	0.00	0.00	9.57	85.90	4357.50	4357.50	4714.61	-357.10
133+10.00 0	953.757	952.389	5.00	0.00	0.00	0.00	11.44	105.05	4357.50	4357.50	4819.66	-462.16


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134+0.000	953.754	952.289	5.00	0.00	0.00	0.00	12.62	120.31	4357.50	4357.50	4939.97	-582.46
134+10.00	0											
	953.751	952.308	5.00	0.00	0.00	0.00	12.34	124.81	4357.50	4357.50	5064.77	-707.27
135+0.000	953.747	952.328	5.00	0.00	0.00	0.00	11.88	121.13	4357.50	4357.50	5185.90	-828.40
135+10.00	0											
	953.744	952.390	5.00	0.00	0.00	0.00	11.16	115.24	4357.50	4357.50	5301.14	-943.63
136+0.000	953.740	952.458	5.00	0.00	0.00	0.00	10.39	107.77	4357.50	4357.50	5408.91	-1051.41
136+10.00	0											
	953.737	952.456	5.00	0.00	0.00	0.00	10.38	101.25	4357.50	4357.50	5510.16	-1152.66
137+0.000	953.749	952.358	5.00	0.00	0.00	0.00	11.54	109.63	4357.50	4357.50	5619.78	-1262.28
137+10.00	0											
	953.779	952.419	5.00	0.00	0.00	0.00	11.29	114.14	4357.50	4357.50	5733.92	-1376.42
138+0.000	953.829	952.736	5.00	0.00	0.00	0.00	8.38	98.33	4357.50	4357.50	5832.25	-1474.75
138+10.00	0											
	953.897	953.078	5.00	0.00	0.00	0.00	5.80	70.91	4357.50	4357.50	5903.17	-1545.66
139+0.000	954.010	953.420	5.00	0.00	0.00	0.00	3.85	48.27	4357.50	4357.50	5951.44	-1593.94
139+10.00	0											
	954.282	953.882	5.00	0.00	0.00	0.00	2.41	31.33	4357.50	4357.50	5982.77	-1625.26
140+0.000	954.722	954.474	5.00	0.00	0.00	0.00	1.35	18.81	4357.51	4357.51	6001.57	-1644.06
140+10.00	0											
	955.330	955.065	5.00	0.00	0.00	0.00	1.46	14.01	4357.52	4357.52	6015.59	-1658.07
141+0.000	956.065	955.657	5.00	0.00	0.00	0.00	2.47	19.64	4357.52	4357.52	6035.23	-1677.71
141+10.00	0											
	956.808	956.307	5.00	0.00	0.00	0.00	3.18	28.25	4357.52	4357.52	6063.48	-1705.96
142+0.000	957.551	956.981	5.00	0.00	0.00	0.00	3.73	34.53	4357.52	4357.52	6098.01	-1740.49
142+10.00	0											
	958.295	957.647	5.00	0.00	0.00	0.00	4.36	40.42	4357.52	4357.52	6138.43	-1780.91
143+0.000	959.038	958.346	5.00	0.00	0.00	0.00	4.57	44.62	4357.52	4357.52	6183.05	-1825.53
143+10.00	0											
	959.781	959.241	5.00	0.00	0.00	0.00	3.42	39.95	4357.52	4357.52	6223.01	-1865.49
144+0.000	960.524	960.151	5.00	0.00	0.00	0.00	2.18	28.00	4357.52	4357.52	6251.01	-1893.49
144+10.00	0											
	961.267	961.063	5.00	0.00	0.01	0.01	0.95	15.66	4357.53	4357.53	6266.68	-1909.14
145+0.000	962.010	962.033	5.00	0.44	2.21	2.21	0.00	4.77	4359.74	4359.74	6271.45	-1911.70
145+10.00	0											
	962.754	962.933	5.00	1.51	9.77	9.77	0.00	0.00	4369.52	4369.52	6271.45	-1901.93
146+0.000	963.497	963.834	5.00	2.63	20.73	20.73	0.00	0.00	4390.25	4390.25	6271.45	-1881.20
146+10.00	0											
	964.240	964.723	5.00	3.80	31.87	31.87	0.00	0.00	4422.12	4422.12	6271.45	-1849.32
147+0.000	964.983	965.611	5.00	5.09	44.46	44.46	0.00	0.00	4466.58	4466.58	6271.45	-1804.86
147+10.00	0											
	965.726	966.451	5.00	6.03	55.61	55.61	0.00	0.00	4522.19	4522.19	6271.45	-1749.25
148+0.000	966.469	967.305	5.00	7.04	65.35	65.35	0.00	0.00	4587.54	4587.54	6271.45	-1683.91
148+10.00	0											
	967.213	968.160	5.00	8.13	75.86	75.86	0.00	0.00	4663.40	4663.40	6271.45	-1608.05
149+0.000	967.956	968.998	5.00	9.10	86.01	86.01	0.00	0.00	4749.41	4749.41	6271.45	-1522.04
149+10.00	0											
	968.699	969.840	5.00	10.16	96.28	96.28	0.00	0.00	4845.69	4845.69	6271.45	-1425.75
150+0.000	969.442	970.683	5.00	11.32	107.39	107.39	0.00	0.00	4953.08	4953.08	6271.45	-1318.37
150+10.00	0											
	970.185	971.350	5.00	10.42	108.68	108.68	0.00	0.00	5061.76	5061.76	6271.45	-1209.69
151+0.000	970.925	971.786	5.00	7.25	88.35	88.35	0.00	0.00	5150.10	5150.10	6271.45	-1121.34
151+10.00	0											
	971.599	972.222	5.00	5.03	61.40	61.40	0.00	0.00	5211.51	5211.51	6271.45	-1059.94
152+0.000	972.183	972.657	5.00	3.76	43.93	43.93	0.00	0.00	5255.43	5255.43	6271.45	-1016.01
152+10.00	0											
	972.677	973.033	5.00	2.82	32.86	32.86	0.00	0.00	5288.29	5288.29	6271.45	-983.15
153+0.000	973.080	973.410	5.00	2.61	27.13	27.13	0.00	0.00	5315.43	5315.43	6271.45	-956.02
153+10.00	0											
	973.393	973.786	5.00	3.10	28.55	28.55	0.00	0.00	5343.98	5343.98	6271.45	-927.47
154+0.000	973.616	973.951	5.00	2.65	28.75	28.75	0.00	0.00	5372.73	5372.73	6271.45	-898.72
154+10.00	0											
	973.748	973.967	5.00	1.80	22.24	22.24	0.00	0.00	5394.97	5394.97	6271.45	-876.48
155+0.000	973.791	973.995	5.00	1.70	17.47	17.47	0.00	0.00	5412.44	5412.44	6271.45	-859.01
155+10.00	0											
	973.743	974.000	5.00	2.06	18.79	18.79	0.00	0.00	5431.23	5431.23	6271.45	-840.21
156+0.000	973.604	973.809	5.00	1.67	18.66	18.66	0.00	0.00	5449.90	5449.90	6271.45	-821.55
156+10.00	0											
	973.376	973.618	5.00	1.89	17.81	17.81	0.00	0.00	5467.71	5467.71	6271.45	-803.73
157+0.000	973.063	973.407	5.00	2.72	23.05	23.05	0.00	0.00	5490.76	5490.76	6271.45	-780.69
157+10.00	0											
	972.733	973.179	5.00	3.54	31.28	31.28	0.00	0.00	5522.04	5522.04	6271.45	-749.41


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158+0.000	972.403	972.940	5.00	4.33	39.33	39.33	0.00	0.00	5561.36	5561.36	6271.45	-710.08
158+10.00	0											
158+10.00	972.072	972.690	5.00	5.03	46.78	46.78	0.00	0.00	5608.15	5608.15	6271.45	-663.30
159+0.000	971.742	972.383	5.00	5.24	51.35	51.35	0.00	0.00	5659.50	5659.50	6271.45	-611.95
159+10.00	0											
159+10.00	971.412	972.076	5.00	5.45	53.45	53.45	0.00	0.00	5712.95	5712.95	6271.45	-558.50
160+0.000	971.082	971.770	5.00	5.66	55.57	55.57	0.00	0.00	5768.52	5768.52	6271.45	-502.93
160+10.00	0											
160+10.00	970.751	971.445	5.00	5.70	57.08	57.08	0.00	0.00	5825.60	5825.60	6271.45	-445.85
161+0.000	970.421	971.099	5.00	5.56	56.30	56.30	0.00	0.00	5881.89	5881.89	6271.45	-389.55
161+10.00	0											
161+10.00	970.091	970.728	5.00	5.19	53.73	53.73	0.00	0.00	5935.62	5935.62	6271.45	-335.83
162+0.000	969.760	970.356	5.00	4.82	50.05	50.05	0.00	0.00	5985.67	5985.67	6271.45	-285.78
162+10.00	0											
162+10.00	969.430	969.947	5.00	4.13	44.78	44.78	0.00	0.00	6030.44	6030.44	6271.45	-241.00
163+0.000	969.100	969.473	5.00	2.97	35.51	35.51	0.00	0.00	6065.95	6065.95	6271.45	-205.49
163+10.00	0											
163+10.00	968.770	969.000	5.00	1.89	24.27	24.27	0.00	0.00	6090.23	6090.23	6271.45	-181.22
164+0.000	968.439	968.527	5.00	0.94	14.12	14.12	0.00	0.00	6104.34	6104.34	6271.45	-167.10
164+10.00	0											
164+10.00	968.109	968.081	5.00	0.16	5.48	5.48	0.04	0.20	6109.82	6109.82	6271.65	-161.83
165+0.000	967.779	967.647	5.00	0.00	0.81	0.81	0.54	2.88	6110.63	6110.63	6274.53	-163.90
165+10.00	0											
165+10.00	967.449	967.280	5.00	0.00	0.01	0.01	0.76	6.47	6110.64	6110.64	6281.00	-170.35
166+0.000	967.118	966.915	5.00	0.00	0.00	0.00	0.98	8.69	6110.64	6110.64	6289.69	-179.05
166+10.00	0											
166+10.00	966.788	966.704	5.00	0.08	0.39	0.39	0.32	6.50	6111.04	6111.04	6296.19	-185.15
167+0.000	966.458	966.610	5.00	1.32	7.02	7.02	0.00	1.60	6118.05	6118.05	6297.79	-179.74
167+10.00	0											
167+10.00	966.127	966.484	5.00	2.83	21.15	21.15	0.00	0.00	6139.20	6139.20	6297.79	-158.59
168+0.000	965.838	966.273	5.00	3.52	31.75	31.75	0.00	0.00	6170.95	6170.95	6297.79	-126.84
168+10.00	0											
168+10.00	965.628	966.017	5.00	3.42	34.71	34.71	0.00	0.00	6205.65	6205.65	6297.79	-92.14
169+0.000	965.498	965.760	5.00	2.83	31.23	31.23	0.00	0.00	6236.89	6236.89	6297.79	-60.90
169+10.00	0											
169+10.00	965.448	965.562	5.00	2.27	25.47	25.47	0.00	0.00	6262.36	6262.36	6297.79	-35.43
170+0.000	965.436	965.399	5.00	1.75	20.07	20.07	0.00	0.00	6282.43	6282.43	6297.79	-15.36
170+10.00	0											
170+10.00	965.425	965.193	5.00	0.97	13.59	13.59	0.00	0.00	6296.02	6296.02	6297.79	-1.77
171+0.000	965.414	965.140	5.00	1.32	11.46	11.46	0.00	0.00	6307.48	6307.48	6297.79	9.69
171+10.00	0											
171+10.00	965.402	965.316	5.00	3.37	23.46	23.46	0.00	0.00	6330.94	6330.94	6297.79	33.15
172+0.000	965.391	965.480	5.00	5.62	44.96	44.96	0.00	0.00	6375.90	6375.90	6297.79	78.11
172+10.00	0											
172+10.00	965.380	965.646	5.00	8.14	68.82	68.82	0.00	0.00	6444.72	6444.72	6297.79	146.93
173+0.000	965.369	965.781	5.00	10.55	94.98	94.98	0.00	0.00	6539.70	6539.70	6297.79	241.91
173+10.00	0											
173+10.00	965.357	965.738	5.00	11.13	108.43	108.43	0.00	0.00	6648.13	6648.13	6297.79	350.34
174+0.000	965.346	965.669	5.00	11.46	112.98	112.98	0.00	0.00	6761.11	6761.11	6297.79	463.32
174+10.00	0											
174+10.00	965.335	965.594	5.00	11.55	115.08	115.08	0.00	0.00	6876.19	6876.19	6297.79	578.40
175+0.000	965.324	965.465	5.00	11.23	113.90	113.90	0.00	0.00	6990.09	6990.09	6297.79	692.30
175+10.00	0											
175+10.00	965.312	965.312	5.00	10.82	110.22	110.22	0.00	0.00	7100.31	7100.31	6297.79	802.52


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Relatório de Volumes

BICA CRUZ DAS ALMAS

Estaca Inicial: 0+0,000

Estaca Final: 61 + 00,00

Estaca	Cota projeto	Cota terreno	Semi Distância (m)	Área de Corte (m ²)	Volume de Corte (m ³)	Vol. Reuso (m ³)	Área de Aterro (m ²)	Volume Aterro (m ³)	Vol. Acum. Corte (m ³)	Vol. Reuso Acum. (m ³)	Vol. Acum. Aterro (m ³)	Dif. Vol. Acum. (m ³)
0+0,000	942.635	942.635	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
0+10,000	942.568	942.553	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1+0,000	942.074	942.074	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
1+10,000	941.870	941.870	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2+0,000	941.729	941.729	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
2+10,000	941.583	941.583	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3+0,000	941.702	941.725	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
3+10,000	941.844	941.873	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
4+0,000	942.013	942.018	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
4+10,000	942.189	942.188	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
5+0,000	942.418	942.412	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
5+10,000	942.708	942.708	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6+0,000	943.262	943.262	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
6+10,000	944.104	944.107	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7+0,000	944.911	944.928	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
7+10,000	944.961	944.915	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
8+0,000	944.690	944.584	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
8+10,000	944.418	944.242	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
9+0,000	944.147	943.899	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
9+10,000	943.876	943.539	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
10+0,000	943.605	943.178	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
10+10,000	943.333	942.832	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
11+0,000	943.062	942.526	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
11+10,000	942.791	942.219	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
12+0,000	942.520	941.853	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
12+10,000	942.232	941.447	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
13+0,000	941.900	940.952	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
13+10,000	941.525	940.365	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
14+0,000	941.107	939.753	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
14+10,000	940.662	939.118	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
15+0,000	940.217	938.558	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
15+10,000	939.771	938.176	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
16+0,000	939.326	937.767	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
16+10,000	938.883	937.534	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
17+0,000	938.540	937.303	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
17+10,000	938.339	937.072	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
18+0,000	938.200	936.828	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
18+10,000	938.061	936.569	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
19+0,000	937.923	936.286	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
19+10,000	937.784	936.042	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
20+0,000	937.645	935.889	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
20+10,000	937.506	935.837	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
21+0,000	937.368	935.660	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
21+10,000	937.229	935.446	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
22+0,000	937.090	935.376	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
22+10,000	936.951	935.286	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
23+0,000	936.813	935.116	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
23+10,000	936.674	935.036	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
24+0,000	936.536	934.923	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
24+10,000	936.482	934.804	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
25+0,000	936.469	934.696	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
25+10,000	936.457	934.778	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
26+0,000	936.444	934.929	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
26+10,000	936.431	934.971	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
27+0,000	936.419	934.795	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
27+10,000	936.406	935.045	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
28+0,000	936.394	935.433	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00
28+10,000	936.335	935.619	5,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00


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29+0,000	936.097	935.805	5,00	2,54	0,00	0,00	0,09	0,00	0,00	0,00	0,00	0,00	0,00
29+10,000	935.670	935.507	5,00	3,57	31,1	31,1	0,07	0,79	31,1	31,1	0,79	30,31	
30+0,000	935.063	935.063	5,00	3,88	38,06	38,06	0	0,35	69,16	69,16	1,14	68,02	
30+10,000	934.826	934.826	5,00	0,33	20,72	20,72	0,02	0,1	89,88	89,88	1,24	88,64	
31+0,000	934.666	934.664	5,00	0,27	3,01	3,01	0,02	0,19	92,89	92,89	1,43	91,46	
31+10,000	934.523	934.524	5,00	0,24	2,57	2,57	0,05	0,35	95,46	95,46	1,78	93,68	
32+0,000	934.312	934.312	5,00	0,33	2,87	2,87	0,04	0,43	98,33	98,33	2,21	96,12	
32+10,000	934.078	934.087	5,00	0,25	2,89	2,89	0,02	0,25	101,22	101,22	2,46	98,76	
33+0,000	933.811	933.783	5,00	5,53	28,96	28,96	0,05	0,31	130,18	130,18	2,77	127,41	
33+10,000	933.800	933.526	5,00	2,39	39,54	39,54	1,04	5,35	169,72	169,72	8,12	161,6	
34+0,000	933.737	933.179	5,00	1,38	18,86	18,86	2,25	16,41	188,58	188,58	24,53	164,05	
34+10,000	933.582	933.031	5,00	1,72	15,5	15,5	2,46	23,56	204,08	204,08	48,09	155,99	
35+0,000	933.420	932.828	5,00	2,18	19,48	19,48	2,6	25,31	223,56	223,56	73,4	150,16	
35+10,000	933.181	932.586	5,00	3,47	28,25	28,25	2,64	26,24	251,81	251,81	99,64	152,17	
36+0,000	932.939	932.350	5,00	7,03	50,2	50,2	2,65	26,4	302,01	302,01	126,04	175,97	
36+10,000	932.732	932.096	5,00	6,69	68,6	68,6	2,7	26,72	370,61	370,61	152,76	217,85	
37+0,000	932.562	931.895	5,00	6,22	64,56	64,56	2,55	26,24	435,17	435,17	179	256,17	
37+10,000	932.426	931.780	5,00	6,18	62,35	62,35	2,33	24,33	497,52	497,52	203,33	294,19	
38+0,000	932.299	931.923	5,00	5,04	57,99	57,99	2,48	23,66	555,51	555,51	226,99	328,52	
38+10,000	932.167	932.089	5,00	6,39	58,03	58,03	2,8	26,22	613,54	613,54	253,21	360,33	
39+0,000	932.035	931.071	5,00	4,81	55,99	55,99	3,63	32,15	669,53	669,53	285,36	384,17	
39+10,000	931.902	930.808	5,00	2,17	34,91	34,91	4,54	40,87	704,44	704,44	326,23	378,21	
40+0,000	931.769	930.648	5,00	0,65	14,14	14,14	5,2	48,71	718,58	718,58	374,94	343,64	
40+10,000	931.637	930.511	5,00	0,00	3,27	3,27	6,32	57,58	721,85	721,85	432,52	289,33	
41+0,000	931.504	930.341	5,00	0,00	0,00	0,00	7,27	67,73	721,85	721,85	500,25	221,6	
41+10,000	931.371	929.817	5,00	0,00	0,00	0,00	9,49	83,65	721,85	721,85	583,9	137,95	
42+0,000	931.042	929.308	5,00	0,00	0,00	0,00	11,77	106,17	721,85	721,85	690,07	31,78	
42+10,000	930.360	928.740	5,00	0,00	0,00	0,00	10,44	111,05	721,85	721,85	801,12	-79,27	
43+0,000	929.679	928.179	5,00	0,00	0,00	0,00	9,76	101,17	721,85	721,85	902,29	-180,44	
43+10,000	928.998	927.554	5,00	0,00	0,00	0,00	8,59	91,76	721,85	721,85	994,05	-272,2	
44+0,000	928.317	927.046	5,00	0,26	1,29	1,29	6,72	76,52	723,14	723,14	1070,57	-347,43	
44+10,000	927.635	926.782	5,00	1,01	6,36	6,36	4,54	56,27	729,5	729,5	1126,84	-397,34	
45+0,000	926.954	926.283	5,00	1,43	12,89	12,89	3,53	40,14	742,39	742,39	1166,98	-424,59	
45+10,000	926.272	925.665	5,00	1,81	16,2	16,2	3,00	32,64	758,59	758,59	1199,62	-441,03	
46+0,000	925.588	925.158	5,00	3,17	22,18	22,18	1,91	25,01	780,77	780,77	1224,63	-443,86	
46+10,000	924.901	924.679	5,00	5,08	41,21	41,21	0,85	13,8	821,98	821,98	1238,43	-416,45	
47+0,000	924.216	924.214	5,00	0,97	30,21	30,21	0,04	4,46	852,19	852,19	1242,89	-390,7	
47+10,000	923.864	923.864	5,00	0,94	9,54	9,54	0,02	0,31	861,73	861,73	1243,2	-381,47	
48+0,000	923.575	923.571	5,00	0,24	5,76	5,76	0,03	0,23	867,49	867,49	1243,43	-375,94	
48+10,000	923.275	923.279	5,00	0,3	2,7	2,7	0,01	0,19	870,19	870,19	1243,62	-373,43	
49+0,000	922.973	922.960	5,00	0,25	2,73	2,73	0,02	0,16	872,92	872,92	1243,78	-370,86	
49+10,000	922.671	922.668	5,00	0,23	2,4	2,4	0,02	0,21	875,32	875,32	1243,99	-368,67	
50+0,000	922.276	922.277	5,00	0,22	2,26	2,26	0,10	0,62	877,58	877,58	1244,61	-367,03	
50+10,000	921.685	921.729	5,00	0,54	3,78	3,78	0,01	0,56	881,36	881,36	1245,17	-363,81	
51+0,000	921.021	921.029	5,00	0,48	5,07	5,07	0,00	0,10	886,43	886,43	1245,27	-358,84	
51+10,000	920.347	920.349	5,00	0,58	5,31	5,31	0,00	0,07	891,74	891,74	1245,34	-353,6	
52+0,000	919.738	919.735	5,00	0,52	5,52	5,52	0,00	0,05	897,26	897,26	1245,39	-348,13	
52+10,000	919.205	919.193	5,00	0,42	4,7	4,7	0,03	0,19	901,96	901,96	1245,58	-343,62	
53+0,000	918.622	918.619	5,00	0,5	4,65	4,65	0,03	0,3	906,61	906,61	1245,88	-339,27	
53+10,000	917.979	917.976	5,00	0,6	5,51	5,51	0,05	0,42	912,12	912,12	1246,3	-334,18	
54+0,000	917.647	917.519	5,00	10,62	52,1	52,1	0,48	2,71	964,22	964,22	1249,01	-284,79	
54+10,000	917.499	917.199	5,00	7,62	91,22	91,22	1,23	8,54	1055,44	1055,44	1257,55	-202,11	
55+0,000	917.351	916.844	5,00	5,19	59,7	59,7	2,44	18,58	1115,14	1115,14	1276,13	-160,99	
55+10,000	917.203	916.277	5,00	1,97	35,78	35,78	5,11	37,73	1150,92	1150,92	1313,86	-162,94	
56+0,000	917.054	915.790	5,00	0,00	9,84	9,84	8,26	66,85	1160,76	1160,76	1380,71	-219,95	
56+10,000	916.906	915.362	5,00	0,00	0,00	0,00	11,95	102,5	1160,76	1160,76	1483,21	-322,45	
57+0,000	916.696	915.104	5,00	0,00	0,00	0,00	12,36	121,53	1160,76	1160,76	1604,74	-443,98	
57+10,000	916.190	914.869	5,00	0,00	0,00	0,00	9,16	107,62	1160,76	1160,76	1712,36	-551,6	
58+0,000	915.364	914.310	5,00	0,00	0,00	0,00	6,67	78,83	1160,76	1160,76	1791,19	-630,43	
58+10,000	914.346	913.700	5,00	2,06	10,29	10,29	3,44	50,55	1171,05	1171,05	1841,74	-670,69	
59+0,000	913.356	912.768	5,00	2,94	25,34	25,34	3,08	32,53	1196,39	1196,39	1874,27	-677,88	
59+10,000	912.359	911.785	5,00	3,2	30,69	30,69	2,88	29,79	1227,08	1227,08	1904,06	-676,98	
60+0,000	911.314	910.812	5,00	3,84	30,36	30,36	2,55	27,67	1257,44	1257,44	1931,73	-674,29	
60+10,000	910.219	909.936	5,00	4,42	41,3	41,3	1,52	20,34	1298,74	1298,74	1952,07	-653,33	
61+0,000	909.080	909.000	5,00	8,06	62,42	62,42	0,39	9,56	1361,16	1361,16	1961,63	-600,47	

ESTACAS E0 A E29+10 - TERRAPLANAGEM SERÁ EXECUTADA ATRAVES DO CONVENIO PT 1071913-77


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