

Nota de Serviço- Estrada São Marcos													
Lado Esquerdo						EIXO			Lado Direito				
Estaca	Acostamento		Borda			Cota Greide	Cota Terreno	Corte (-) Aterro(+)	Borda			Acostamento	
+ FRAÇÃO	Afast. (m)	Cota (m)	Afast. (m)	Cota (m)	i%	(m)	(m)	(m)	Afast. (m)	Cota (m)	i%	Afast. (m)	Cota (m)
1 + 0.000	-4	251,97087	-3	251,99087	2,00%	252,05087	252,259	-0,21	3	251,99087	2,00%	4	251,97087
2 + 0.000	-4	252,45676	-3	252,47676	2,00%	252,53676	253,054	-0,52	3	252,47676	2,00%	4	252,45676
3 + 0.000	-4	252,94266	-3	252,96266	2,00%	253,02266	253,380	-0,36	3	252,96266	2,00%	4	252,94266
4 + 0.000	-4	253,42855	-3	253,44855	2,00%	253,50855	253,628	-0,12	3	253,44855	2,00%	4	253,42855
5 + 0.000	-4	253,91444	-3	253,93444	2,00%	253,99444	253,879	0,12	3	253,93444	2,00%	4	253,91444
6 + 0.000	-4	254,40034	-3	254,42034	2,00%	254,48034	254,129	0,35	3	254,42034	2,00%	4	254,40034
7 + 0.000	-4	254,88623	-3	254,90623	2,00%	254,96623	254,380	0,59	3	254,90623	2,00%	4	254,88623
8 + 0.000	-4	255,37212	-3	255,39212	2,00%	255,45212	254,631	0,82	3	255,39212	2,00%	4	255,37212
9 + 0.000	-4	255,85801	-3	255,87801	2,00%	255,93801	255,113	0,83	3	255,87801	2,00%	4	255,85801
10 + 0.000	-4	256,34391	-3	256,36391	2,00%	256,42391	255,629	0,79	3	256,36391	2,00%	4	256,34391
11 + 0.000	-4	256,8298	-3	256,8498	2,00%	256,9098	256,146	0,76	3	256,8498	2,00%	4	256,8298
12 + 0.000	-4	257,29156	-3	257,31156	2,00%	257,37156	256,664	0,71	3	257,31156	2,00%	4	257,29156
13 + 0.000	-4	257,6934	-3	257,7134	2,00%	257,7734	257,131	0,64	3	257,7134	2,00%	4	257,6934
14 + 0.000	-4	258,03498	-3	258,05498	2,00%	258,11498	257,540	0,57	3	258,05498	2,00%	4	258,03498
15 + 0.000	-4	258,31631	-3	258,33631	2,00%	258,39631	258,085	0,31	3	258,33631	2,00%	4	258,31631
16 + 0.000	-4	258,53738	-3	258,55738	2,00%	258,61738	258,549	0,07	3	258,55738	2,00%	4	258,53738
17 + 0.000	-4	258,69818	-3	258,71818	2,00%	258,77818	258,768	0,01	3	258,71818	2,00%	4	258,69818
18 + 0.000	-4	258,79874	-3	258,81874	2,00%	258,87874	258,791	0,09	3	258,81874	2,00%	4	258,79874
19 + 0.000	-4	258,83903	-3	258,85903	2,00%	258,91903	258,813	0,11	3	258,85903	2,00%	4	258,83903
20 + 0.000	-4	258,81907	-3	258,83907	2,00%	258,89907	258,836	0,06	3	258,83907	2,00%	4	258,81907
21 + 0.000	-4	258,73884	-3	258,75884	2,00%	258,81884	258,886	-0,07	3	258,75884	2,00%	4	258,73884
22 + 0.000	-4	258,62249	-3	258,64249	2,00%	258,70249	258,952	-0,25	3	258,64249	2,00%	4	258,62249
23 + 0.000	-4	258,50581	-3	258,52581	2,00%	258,58581	259,018	-0,43	3	258,52581	2,00%	4	258,50581
24 + 0.000	-4	258,38913	-3	258,40913	2,00%	258,46913	258,991	-0,52	3	258,40913	2,00%	4	258,38913
25 + 0.000	-4	258,27245	-3	258,29245	2,00%	258,35245	258,718	-0,37	3	258,29245	2,00%	4	258,27245
26 + 0.000	-4	258,15576	-3	258,17576	2,00%	258,23576	258,445	-0,21	3	258,17576	2,00%	4	258,15576
27 + 0.000	-4	258,03908	-3	258,05908	2,00%	258,11908	258,206	-0,09	3	258,05908	2,00%	4	258,03908
28 + 0.000	-4	257,91423	-3	257,93423	2,00%	257,99423	257,998	0,00	3	257,93423	2,00%	4	257,91423
29 + 0.000	-4	257,65768	-3	257,67768	2,00%	257,73768	257,789	-0,05	3	257,67768	2,00%	4	257,65768
30 + 0.000	-4	257,22784	-3	257,24784	2,00%	257,30784	257,581	-0,27	3	257,24784	2,00%	4	257,22784
31 + 0.000	-4	256,62471	-3	256,64471	2,00%	256,70471	257,201	-0,50	3	256,64471	2,00%	4	256,62471
32 + 0.000	-4	255,84829	-3	255,86829	2,00%	255,92829	256,237	-0,31	3	255,86829	2,00%	4	255,84829
33 + 0.000	-4	254,89893	-3	254,91893	2,00%	254,97893	255,323	-0,34	3	254,91893	2,00%	4	254,89893
34 + 0.000	-4	253,87372	-3	253,89372	2,00%	253,95372	254,490	-0,54	3	253,89372	2,00%	4	253,87372
35 + 0.000	-4	252,8485	-3	252,8685	2,00%	252,9285	253,011	-0,08	3	252,8685	2,00%	4	252,8485
36 + 0.000	-4	251,9981	-3	252,0181	2,00%	252,0781	251,921	0,16	3	252,0181	2,00%	4	251,9981

37 + 0.000	-4	251,54237	-3	251,56237	2,00%	251,62237	251,150	0,47	3	251,56237	2,00%	4	251,54237
38 + 0.000	-4	251,48199	-3	251,50199	2,00%	251,56199	251,306	0,26	3	251,50199	2,00%	4	251,48199
39 + 0.000	-4	251,81309	-3	251,83309	2,00%	251,89309	251,818	0,08	3	251,83309	2,00%	4	251,81309
40 + 0.000	-4	252,29026	-3	252,31026	2,00%	252,37026	252,329	0,04	3	252,31026	2,00%	4	252,29026
41 + 0.000	-4	252,76742	-3	252,78742	2,00%	252,84742	252,820	0,03	3	252,78742	2,00%	4	252,76742
42 + 0.000	-4	253,24459	-3	253,26459	2,00%	253,32459	253,306	0,02	3	253,26459	2,00%	4	253,24459
43 + 0.000	-4	253,72176	-3	253,74176	2,00%	253,80176	253,792	0,01	3	253,74176	2,00%	4	253,72176
44 + 0.000	-4	254,19892	-3	254,21892	2,00%	254,27892	254,278	0,00	3	254,21892	2,00%	4	254,19892
45 + 0.000	-4	254,68633	-3	254,70633	2,00%	254,76633	254,764	0,00	3	254,70633	2,00%	4	254,68633
46 + 0.000	-4	255,32162	-3	255,34162	2,00%	255,40162	255,250	0,15	3	255,34162	2,00%	4	255,32162
47 + 0.000	-4	256,14801	-3	256,16801	2,00%	256,22801	255,961	0,27	3	256,16801	2,00%	4	256,14801
48 + 0.000	-4	257,12172	-3	257,14172	2,00%	257,20172	257,239	-0,04	3	257,14172	2,00%	4	257,12172
49 + 0.000	-4	257,9687	-3	257,9887	2,00%	258,0487	257,881	0,17	3	257,9887	2,00%	4	257,9687
50 + 0.000	-4	258,28847	-3	258,30847	2,00%	258,36847	258,236	0,13	3	258,30847	2,00%	4	258,28847
51 + 0.000	-4	258,48485	-3	258,50485	2,00%	258,56485	258,441	0,12	3	258,50485	2,00%	4	258,48485
52 + 0.000	-4	258,68122	-3	258,70122	2,00%	258,76122	258,555	0,21	3	258,70122	2,00%	4	258,68122
53 + 0.000	-4	258,87759	-3	258,89759	2,00%	258,95759	258,719	0,24	3	258,89759	2,00%	4	258,87759
54 + 0.000	-4	259,07509	-3	259,09509	2,00%	259,15509	258,857	0,30	3	259,09509	2,00%	4	259,07509
55 + 0.000	-4	259,295	-3	259,315	2,00%	259,375	259,220	0,15	3	259,315	2,00%	4	259,295
56 + 0.000	-4	259,5454	-3	259,5654	2,00%	259,6254	259,412	0,21	3	259,5654	2,00%	4	259,5454
57 + 0.000	-4	259,8263	-3	259,8463	2,00%	259,9063	259,661	0,25	3	259,8463	2,00%	4	259,8263
58 + 0.000	-4	260,13769	-3	260,15769	2,00%	260,21769	259,998	0,22	3	260,15769	2,00%	4	260,13769
59 + 0.000	-4	260,47958	-3	260,49958	2,00%	260,55958	260,350	0,21	3	260,49958	2,00%	4	260,47958
60 + 0.000	-4	260,85114	-3	260,87114	2,00%	260,93114	260,945	-0,01	3	260,87114	2,00%	4	260,85114
61 + 0.000	-4	261,23171	-3	261,25171	2,00%	261,31171	261,329	-0,02	3	261,25171	2,00%	4	261,23171
62 + 0.000	-4	261,61228	-3	261,63228	2,00%	261,69228	261,673	0,02	3	261,63228	2,00%	4	261,61228
63 + 0.000	-4	261,99285	-3	262,01285	2,00%	262,07285	262,021	0,05	3	262,01285	2,00%	4	261,99285
64 + 0.000	-4	262,37342	-3	262,39342	2,00%	262,45342	262,295	0,16	3	262,39342	2,00%	4	262,37342
65 + 0.000	-4	262,75399	-3	262,77399	2,00%	262,83399	262,599	0,23	3	262,77399	2,00%	4	262,75399
66 + 0.000	-4	263,13063	-3	263,15063	2,00%	263,21063	263,016	0,19	3	263,15063	2,00%	4	263,13063
67 + 0.000	-4	263,43518	-3	263,45518	2,00%	263,51518	263,273	0,24	3	263,45518	2,00%	4	263,43518
68 + 0.000	-4	263,64284	-3	263,66284	2,00%	263,72284	263,529	0,19	3	263,66284	2,00%	4	263,64284
69 + 0.000	-4	263,75364	-3	263,77364	2,00%	263,83364	263,604	0,23	3	263,77364	2,00%	4	263,75364
70 + 0.000	-4	263,76757	-3	263,78757	2,00%	263,84757	263,670	0,18	3	263,78757	2,00%	4	263,76757
71 + 0.000	-4	263,68462	-3	263,70462	2,00%	263,76462	263,861	-0,10	3	263,70462	2,00%	4	263,68462
72 + 0.000	-4	263,54746	-3	263,56746	2,00%	263,62746	264,038	-0,41	3	263,56746	2,00%	4	263,54746
73 + 0.000	-4	263,41012	-3	263,43012	2,00%	263,49012	264,057	-0,57	3	263,43012	2,00%	4	263,41012
74 + 0.000	-4	263,27278	-3	263,29278	2,00%	263,35278	264,002	-0,65	3	263,29278	2,00%	4	263,27278
75 + 0.000	-4	263,13544	-3	263,15544	2,00%	263,21544	263,926	-0,71	3	263,15544	2,00%	4	263,13544
76 + 0.000	-4	262,83579	-3	262,85579	2,00%	262,91579	263,727	-0,81	3	262,85579	2,00%	4	262,83579
77 + 0.000	-4	262,18957	-3	262,20957	2,00%	262,26957	262,586	-0,32	3	262,20957	2,00%	4	262,18957

78 + 0.000	-4	261,19661	-3	261,21661	2,00%	261,27661	261,658	-0,38	3	261,21661	2,00%	4	261,19661
79 + 0.000	-4	259,99578	-3	260,01578	2,00%	260,07578	261,124	-1,05	3	260,01578	2,00%	4	259,99578
83 + 0.000	-4	256,64509	-3	256,66509	2,00%	256,72509	255,853	0,87	3	256,66509	2,00%	4	256,64509
84 + 0.000	-4	256,7354	-3	256,7554	2,00%	256,8154	255,858	0,96	3	256,7554	2,00%	4	256,7354
85 + 0.000	-4	256,84205	-3	256,86205	2,00%	256,92205	258,654	-1,73	3	256,86205	2,00%	4	256,84205
86 + 0.000	-4	256,94869	-3	256,96869	2,00%	257,02869	258,629	-1,60	3	256,96869	2,00%	4	256,94869
87 + 0.000	-4	257,05534	-3	257,07534	2,00%	257,13534	258,338	-1,20	3	257,07534	2,00%	4	257,05534
88 + 0.000	-4	257,16198	-3	257,18198	2,00%	257,24198	257,863	-0,62	3	257,18198	2,00%	4	257,16198
91 + 0.000	-4	257,82484	-3	257,84484	2,00%	257,90484	257,607	0,30	3	257,84484	2,00%	4	257,82484
92 + 0.000	-4	258,4082	-3	258,4282	2,00%	258,4882	257,637	0,85	3	258,4282	2,00%	4	258,4082
93 + 0.000	-4	259,19605	-3	259,21605	2,00%	259,27605	258,554	0,72	3	259,21605	2,00%	4	259,19605
94 + 0.000	-4	260,18838	-3	260,20838	2,00%	260,26838	260,100	0,17	3	260,20838	2,00%	4	260,18838
95 + 0.000	-4	261,28719	-3	261,30719	2,00%	261,36719	261,527	-0,16	3	261,30719	2,00%	4	261,28719
96 + 0.000	-4	262,05373	-3	262,07373	2,00%	262,13373	262,138	0,00	3	262,07373	2,00%	4	262,05373
97 + 0.000	-4	262,29055	-3	262,31055	2,00%	262,37055	262,143	0,23	3	262,31055	2,00%	4	262,29055
98 + 0.000	-4	262,19488	-3	262,21488	2,00%	262,27488	261,838	0,44	3	262,21488	2,00%	4	262,19488
99 + 0.000	-4	262,09423	-3	262,11423	2,00%	262,17423	261,652	0,52	3	262,11423	2,00%	4	262,09423
100 + 0.000	-4	261,99359	-3	262,01359	2,00%	262,07359	261,462	0,61	3	262,01359	2,00%	4	261,99359
101 + 0.000	-4	261,89294	-3	261,91294	2,00%	261,97294	261,229	0,74	3	261,91294	2,00%	4	261,89294
102 + 0.000	-4	261,7923	-3	261,8123	2,00%	261,8723	260,997	0,88	3	261,8123	2,00%	4	261,7923
103 + 0.000	-4	261,69165	-3	261,71165	2,00%	261,77165	260,764	1,01	3	261,71165	2,00%	4	261,69165
104 + 0.000	-4	261,59101	-3	261,61101	2,00%	261,67101	260,531	1,14	3	261,61101	2,00%	4	261,59101
105 + 0.000	-4	261,49037	-3	261,51037	2,00%	261,57037	260,485	1,09	3	261,51037	2,00%	4	261,49037
106 + 0.000	-4	261,38972	-3	261,40972	2,00%	261,46972	260,724	0,75	3	261,40972	2,00%	4	261,38972
107 + 0.000	-4	261,28908	-3	261,30908	2,00%	261,36908	261,084	0,29	3	261,30908	2,00%	4	261,28908
108 + 0.000	-4	261,18843	-3	261,20843	2,00%	261,26843	261,444	-0,18	3	261,20843	2,00%	4	261,18843
109 + 0.000	-4	261,08779	-3	261,10779	2,00%	261,16779	261,499	-0,33	3	261,10779	2,00%	4	261,08779
110 + 0.000	-4	260,98715	-3	261,00715	2,00%	261,06715	261,293	-0,23	3	261,00715	2,00%	4	260,98715
111 + 0.000	-4	260,8865	-3	260,9065	2,00%	260,9665	261,088	-0,12	3	260,9065	2,00%	4	260,8865
112 + 0.000	-4	260,78586	-3	260,80586	2,00%	260,86586	261,021	-0,16	3	260,80586	2,00%	4	260,78586
113 + 0.000	-4	260,68521	-3	260,70521	2,00%	260,76521	260,970	-0,20	3	260,70521	2,00%	4	260,68521
114 + 0.000	-4	260,58457	-3	260,60457	2,00%	260,66457	260,848	-0,18	3	260,60457	2,00%	4	260,58457
115 + 0.000	-4	260,48393	-3	260,50393	2,00%	260,56393	260,707	-0,14	3	260,50393	2,00%	4	260,48393
116 + 0.000	-4	260,38328	-3	260,40328	2,00%	260,46328	260,569	-0,11	3	260,40328	2,00%	4	260,38328
117 + 0.000	-4	260,28264	-3	260,30264	2,00%	260,36264	260,431	-0,07	3	260,30264	2,00%	4	260,28264
118 + 0.000	-4	260,18199	-3	260,20199	2,00%	260,26199	260,293	-0,03	3	260,20199	2,00%	4	260,18199
119 + 0.000	-4	260,08135	-3	260,10135	2,00%	260,16135	260,244	-0,08	3	260,10135	2,00%	4	260,08135
120 + 0.000	-4	259,9807	-3	260,0007	2,00%	260,0607	260,199	-0,14	3	260,0007	2,00%	4	259,9807
121 + 0.000	-4	259,88006	-3	259,90006	2,00%	259,96006	260,155	-0,19	3	259,90006	2,00%	4	259,88006
122 + 0.000	-4	259,7614	-3	259,7814	2,00%	259,8414	260,110	-0,27	3	259,7814	2,00%	4	259,7614

123 + 0.000	-4	259,40976	-3	259,42976	2,00%	259,48976	260,065	-0,58	3	259,42976	2,00%	4	259,40976
124 + 0.000	-4	258,76252	-3	258,78252	2,00%	258,84252	259,789	-0,95	3	258,78252	2,00%	4	258,76252
125 + 0.000	-4	257,81968	-3	257,83968	2,00%	257,89968	258,682	-0,78	3	257,83968	2,00%	4	257,81968
126 + 0.000	-4	256,61234	-3	256,63234	2,00%	256,69234	257,417	-0,72	3	256,63234	2,00%	4	256,61234
127 + 0.000	-4	255,36169	-3	255,38169	2,00%	255,44169	255,573	-0,13	3	255,38169	2,00%	4	255,36169
128 + 0.000	-4	254,11105	-3	254,13105	2,00%	254,19105	253,652	0,54	3	254,13105	2,00%	4	254,11105
129 + 0.000	-4	252,88284	-3	252,90284	2,00%	252,96284	252,451	0,51	3	252,90284	2,00%	4	252,88284
130 + 0.000	-4	252,06106	-3	252,08106	2,00%	252,14106	251,873	0,27	3	252,08106	2,00%	4	252,06106
131 + 0.000	-4	251,78423	-3	251,80423	2,00%	251,86423	252,029	-0,16	3	251,80423	2,00%	4	251,78423
132 + 0.000	-4	252,05234	-3	252,07234	2,00%	252,13234	252,283	-0,15	3	252,07234	2,00%	4	252,05234
133 + 0.000	-4	252,80079	-3	252,82079	2,00%	252,88079	252,704	0,18	3	252,82079	2,00%	4	252,80079
134 + 0.000	-4	253,62095	-3	253,64095	2,00%	253,70095	253,126	0,57	3	253,64095	2,00%	4	253,62095
135 + 0.000	-4	254,44111	-3	254,46111	2,00%	254,52111	253,547	0,97	3	254,46111	2,00%	4	254,44111
136 + 0.000	-4	255,26127	-3	255,28127	2,00%	255,34127	254,541	0,80	3	255,28127	2,00%	4	255,26127
137 + 0.000	-4	256,08143	-3	256,10143	2,00%	256,16143	255,619	0,54	3	256,10143	2,00%	4	256,08143
138 + 0.000	-4	256,90159	-3	256,92159	2,00%	256,98159	256,578	0,40	3	256,92159	2,00%	4	256,90159
139 + 0.000	-4	257,72175	-3	257,74175	2,00%	257,80175	257,572	0,23	3	257,74175	2,00%	4	257,72175
140 + 0.000	-4	258,5419	-3	258,5619	2,00%	258,6219	258,536	0,09	3	258,5619	2,00%	4	258,5419
141 + 0.000	-4	259,36947	-3	259,38947	2,00%	259,44947	259,508	-0,06	3	259,38947	2,00%	4	259,36947
142 + 0.000	-4	260,32787	-3	260,34787	2,00%	260,40787	260,466	-0,06	3	260,34787	2,00%	4	260,32787
143 + 0.000	-4	261,46102	-3	261,48102	2,00%	261,54102	261,506	0,04	3	261,48102	2,00%	4	261,46102
144 + 0.000	-4	262,76892	-3	262,78892	2,00%	262,84892	262,917	-0,07	3	262,78892	2,00%	4	262,76892
145 + 0.000	-4	264,25157	-3	264,27157	2,00%	264,33157	264,358	-0,03	3	264,27157	2,00%	4	264,25157
146 + 0.000	-4	265,90898	-3	265,92898	2,00%	265,98898	266,110	-0,12	3	265,92898	2,00%	4	265,90898
147 + 0.000	-4	267,74113	-3	267,76113	2,00%	267,82113	268,037	-0,22	3	267,76113	2,00%	4	267,74113
148 + 0.000	-4	269,72626	-3	269,74626	2,00%	269,80626	269,964	-0,16	3	269,74626	2,00%	4	269,72626
149 + 0.000	-4	271,73332	-3	271,75332	2,00%	271,81332	271,890	-0,08	3	271,75332	2,00%	4	271,73332
150 + 0.000	-4	273,74037	-3	273,76037	2,00%	273,82037	273,817	0,00	3	273,76037	2,00%	4	273,74037
151 + 0.000	-4	275,70215	-3	275,72215	2,00%	275,78215	275,764	0,02	3	275,72215	2,00%	4	275,70215
152 + 0.000	-4	277,468	-3	277,488	2,00%	277,548	277,717	-0,17	3	277,488	2,00%	4	277,468
153 + 0.000	-4	279,02589	-3	279,04589	2,00%	279,10589	279,350	-0,24	3	279,04589	2,00%	4	279,02589
154 + 0.000	-4	280,37583	-3	280,39583	2,00%	280,45583	280,266	0,19	3	280,39583	2,00%	4	280,37583
155 + 0.000	-4	281,5178	-3	281,5378	2,00%	281,5978	281,183	0,41	3	281,5378	2,00%	4	281,5178
156 + 0.000	-4	282,46495	-3	282,48495	2,00%	282,54495	282,099	0,45	3	282,48495	2,00%	4	282,46495
157 + 0.000	-4	283,36888	-3	283,38888	2,00%	283,44888	283,008	0,44	3	283,38888	2,00%	4	283,36888
158 + 0.000	-4	284,27282	-3	284,29282	2,00%	284,35282	283,911	0,44	3	284,29282	2,00%	4	284,27282
159 + 0.000	-4	285,17675	-3	285,19675	2,00%	285,25675	284,814	0,44	3	285,19675	2,00%	4	285,17675
160 + 0.000	-4	286,08068	-3	286,10068	2,00%	286,16068	285,836	0,32	3	286,10068	2,00%	4	286,08068
161 + 0.000	-4	286,98462	-3	287,00462	2,00%	287,06462	286,754	0,31	3	287,00462	2,00%	4	286,98462
162 + 0.000	-4	287,88855	-3	287,90855	2,00%	287,96855	287,671	0,30	3	287,90855	2,00%	4	287,88855
163 + 0.000	-4	288,79248	-3	288,81248	2,00%	288,87248	288,589	0,28	3	288,81248	2,00%	4	288,79248

164 + 0.000	-4	289,69642	-3	289,71642	2,00%	289,77642	289,506	0,27	3	289,71642	2,00%	4	289,69642
165 + 0.000	-4	290,60035	-3	290,62035	2,00%	290,68035	290,449	0,23	3	290,62035	2,00%	4	290,60035
166 + 0.000	-4	291,50428	-3	291,52428	2,00%	291,58428	291,399	0,19	3	291,52428	2,00%	4	291,50428
167 + 0.000	-4	292,40822	-3	292,42822	2,00%	292,48822	292,349	0,14	3	292,42822	2,00%	4	292,40822
168 + 0.000	-4	293,31215	-3	293,33215	2,00%	293,39215	293,302	0,09	3	293,33215	2,00%	4	293,31215
169 + 0.000	-4	294,21608	-3	294,23608	2,00%	294,29608	294,254	0,04	3	294,23608	2,00%	4	294,21608
170 + 0.000	-4	295,12002	-3	295,14002	2,00%	295,20002	295,207	-0,01	3	295,14002	2,00%	4	295,12002
171 + 0.000	-4	296,02395	-3	296,04395	2,00%	296,10395	296,159	-0,06	3	296,04395	2,00%	4	296,02395
172 + 0.000	-4	296,92788	-3	296,94788	2,00%	297,00788	297,052	-0,04	3	296,94788	2,00%	4	296,92788
173 + 0.000	-4	297,83182	-3	297,85182	2,00%	297,91182	297,641	0,27	3	297,85182	2,00%	4	297,83182
174 + 0.000	-4	298,73575	-3	298,75575	2,00%	298,81575	298,229	0,59	3	298,75575	2,00%	4	298,73575
175 + 0.000	-4	299,63968	-3	299,65968	2,00%	299,71968	298,817	0,90	3	299,65968	2,00%	4	299,63968
176 + 0.000	-4	300,54362	-3	300,56362	2,00%	300,62362	299,406	1,22	3	300,56362	2,00%	4	300,54362
177 + 0.000	-4	301,44755	-3	301,46755	2,00%	301,52755	301,211	0,32	3	301,46755	2,00%	4	301,44755
178 + 0.000	-4	302,35149	-3	302,37149	2,00%	302,43149	302,503	-0,07	3	302,37149	2,00%	4	302,35149
179 + 0.000	-4	303,25542	-3	303,27542	2,00%	303,33542	303,964	-0,63	3	303,27542	2,00%	4	303,25542
180 + 0.000	-4	304,15935	-3	304,17935	2,00%	304,23935	304,957	-0,72	3	304,17935	2,00%	4	304,15935
181 + 0.000	-4	305,06329	-3	305,08329	2,00%	305,14329	305,801	-0,66	3	305,08329	2,00%	4	305,06329
182 + 0.000	-4	305,96722	-3	305,98722	2,00%	306,04722	306,750	-0,70	3	305,98722	2,00%	4	305,96722
183 + 0.000	-4	306,87115	-3	306,89115	2,00%	306,95115	307,737	-0,79	3	306,89115	2,00%	4	306,87115
184 + 0.000	-4	307,77126	-3	307,79126	2,00%	307,85126	308,724	-0,87	3	307,79126	2,00%	4	307,77126
185 + 0.000	-4	308,66313	-3	308,68313	2,00%	308,74313	309,784	-1,04	3	308,68313	2,00%	4	308,66313
186 + 0.000	-4	309,54678	-3	309,56678	2,00%	309,62678	310,865	-1,24	3	309,56678	2,00%	4	309,54678
187 + 0.000	-4	310,4222	-3	310,4422	2,00%	310,5022	311,446	-0,94	3	310,4422	2,00%	4	310,4222
188 + 0.000	-4	311,2894	-3	311,3094	2,00%	311,3694	312,028	-0,66	3	311,3094	2,00%	4	311,2894
189 + 0.000	-4	312,14836	-3	312,16836	2,00%	312,22836	312,624	-0,40	3	312,16836	2,00%	4	312,14836
190 + 0.000	-4	312,99909	-3	313,01909	2,00%	313,07909	313,283	-0,20	3	313,01909	2,00%	4	312,99909
191 + 0.000	-4	313,84159	-3	313,86159	2,00%	313,92159	313,943	-0,02	3	313,86159	2,00%	4	313,84159
192 + 0.000	-4	314,67587	-3	314,69587	2,00%	314,75587	314,599	0,16	3	314,69587	2,00%	4	314,67587
193 + 0.000	-4	315,50191	-3	315,52191	2,00%	315,58191	315,221	0,36	3	315,52191	2,00%	4	315,50191
194 + 0.000	-4	316,32356	-3	316,34356	2,00%	316,40356	315,843	0,56	3	316,34356	2,00%	4	316,32356
195 + 0.000	-4	317,1452	-3	317,1652	2,00%	317,2252	316,462	0,76	3	317,1652	2,00%	4	317,1452
196 + 0.000	-4	317,96684	-3	317,98684	2,00%	318,04684	316,914	1,13	3	317,98684	2,00%	4	317,96684
197 + 0.000	-4	318,78849	-3	318,80849	2,00%	318,86849	317,447	1,42	3	318,80849	2,00%	4	318,78849
198 + 0.000	-4	319,61013	-3	319,63013	2,00%	319,69013	318,315	1,38	3	319,63013	2,00%	4	319,61013
199 + 0.000	-4	320,43177	-3	320,45177	2,00%	320,51177	319,155	1,36	3	320,45177	2,00%	4	320,43177
200 + 0.000	-4	321,25341	-3	321,27341	2,00%	321,33341	319,996	1,34	3	321,27341	2,00%	4	321,25341
201 + 0.000	-4	322,07505	-3	322,09505	2,00%	322,15505	320,872	1,28	3	322,09505	2,00%	4	322,07505
202 + 0.000	-4	322,89669	-3	322,91669	2,00%	322,97669	321,758	1,22	3	322,91669	2,00%	4	322,89669
203 + 0.000	-4	323,71834	-3	323,73834	2,00%	323,79834	322,645	1,15	3	323,73834	2,00%	4	323,71834
204 + 0.000	-4	324,53998	-3	324,55998	2,00%	324,61998	323,531	1,09	3	324,55998	2,00%	4	324,53998

205 + 0.000	-4	325,36162	-3	325,38162	2,00%	325,44162	324,417	1,02	3	325,38162	2,00%	4	325,36162
206 + 0.000	-4	326,18326	-3	326,20326	2,00%	326,26326	325,304	0,96	3	326,20326	2,00%	4	326,18326
207 + 0.000	-4	327,0049	-3	327,0249	2,00%	327,0849	326,241	0,84	3	327,0249	2,00%	4	327,0049
208 + 0.000	-4	327,82654	-3	327,84654	2,00%	327,90654	327,171	0,74	3	327,84654	2,00%	4	327,82654
209 + 0.000	-4	328,64819	-3	328,66819	2,00%	328,72819	328,098	0,63	3	328,66819	2,00%	4	328,64819
210 + 0.000	-4	329,46983	-3	329,48983	2,00%	329,54983	329,040	0,51	3	329,48983	2,00%	4	329,46983
211 + 0.000	-4	330,29147	-3	330,31147	2,00%	330,37147	329,933	0,44	3	330,31147	2,00%	4	330,29147
212 + 0.000	-4	331,11311	-3	331,13311	2,00%	331,19311	330,399	0,79	3	331,13311	2,00%	4	331,11311
213 + 0.000	-4	331,93475	-3	331,95475	2,00%	332,01475	330,775	1,24	3	331,95475	2,00%	4	331,93475
214 + 0.000	-4	332,75639	-3	332,77639	2,00%	332,83639	331,414	1,42	3	332,77639	2,00%	4	332,75639
215 + 0.000	-4	333,57759	-3	333,59759	2,00%	333,65759	331,867	1,79	3	333,59759	2,00%	4	333,57759
216 + 0.000	-4	334,34302	-3	334,36302	2,00%	334,42302	332,604	1,82	3	334,36302	2,00%	4	334,34302
217 + 0.000	-4	335,01437	-3	335,03437	2,00%	335,09437	333,919	1,18	3	335,03437	2,00%	4	335,01437
218 + 0.000	-4	335,59163	-3	335,61163	2,00%	335,67163	335,159	0,51	3	335,61163	2,00%	4	335,59163
219 + 0.000	-4	336,07481	-3	336,09481	2,00%	336,15481	336,213	-0,06	3	336,09481	2,00%	4	336,07481
220 + 0.000	-4	336,4639	-3	336,4839	2,00%	336,5439	336,418	0,13	3	336,4839	2,00%	4	336,4639
221 + 0.000	-4	336,75891	-3	336,77891	2,00%	336,83891	336,542	0,30	3	336,77891	2,00%	4	336,75891
222 + 0.000	-4	336,99764	-3	337,01764	2,00%	337,07764	336,803	0,27	3	337,01764	2,00%	4	336,99764
223 + 0.000	-4	337,23587	-3	337,25587	2,00%	337,31587	337,141	0,17	3	337,25587	2,00%	4	337,23587
224 + 0.000	-4	337,51791	-3	337,53791	2,00%	337,59791	337,491	0,11	3	337,53791	2,00%	4	337,51791
225 + 0.000	-4	337,99209	-3	338,01209	2,00%	338,07209	338,147	-0,07	3	338,01209	2,00%	4	337,99209
226 + 0.000	-4	338,67061	-3	338,69061	2,00%	338,75061	339,227	-0,48	3	338,69061	2,00%	4	338,67061
227 + 0.000	-4	339,55344	-3	339,57344	2,00%	339,63344	340,105	-0,47	3	339,57344	2,00%	4	339,55344
228 + 0.000	-4	340,61837	-3	340,63837	2,00%	340,69837	341,020	-0,32	3	340,63837	2,00%	4	340,61837
229 + 0.000	-4	341,71241	-3	341,73241	2,00%	341,79241	342,053	-0,26	3	341,73241	2,00%	4	341,71241
230 + 0.000	-4	342,80645	-3	342,82645	2,00%	342,88645	343,121	-0,23	3	342,82645	2,00%	4	342,80645
231 + 0.000	-4	343,90049	-3	343,92049	2,00%	343,98049	344,503	-0,52	3	343,92049	2,00%	4	343,90049
232 + 0.000	-4	344,99452	-3	345,01452	2,00%	345,07452	345,588	-0,51	3	345,01452	2,00%	4	344,99452
233 + 0.000	-4	346,08856	-3	346,10856	2,00%	346,16856	346,557	-0,39	3	346,10856	2,00%	4	346,08856
234 + 0.000	-4	347,1826	-3	347,2026	2,00%	347,2626	347,524	-0,26	3	347,2026	2,00%	4	347,1826
235 + 0.000	-4	348,27663	-3	348,29663	2,00%	348,35663	348,491	-0,13	3	348,29663	2,00%	4	348,27663
236 + 0.000	-4	349,37067	-3	349,39067	2,00%	349,45067	349,822	-0,37	3	349,39067	2,00%	4	349,37067
237 + 0.000	-4	350,46471	-3	350,48471	2,00%	350,54471	351,062	-0,52	3	350,48471	2,00%	4	350,46471
238 + 0.000	-4	351,55874	-3	351,57874	2,00%	351,63874	352,203	-0,56	3	351,57874	2,00%	4	351,55874
239 + 0.000	-4	352,65278	-3	352,67278	2,00%	352,73278	353,528	-0,80	3	352,67278	2,00%	4	352,65278
240 + 0.000	-4	353,74682	-3	353,76682	2,00%	353,82682	354,932	-1,11	3	353,76682	2,00%	4	353,74682
241 + 0.000	-4	354,84085	-3	354,86085	2,00%	354,92085	355,549	-0,63	3	354,86085	2,00%	4	354,84085
242 + 0.000	-4	355,93489	-3	355,95489	2,00%	356,01489	355,647	0,37	3	355,95489	2,00%	4	355,93489
243 + 0.000	-4	357,02893	-3	357,04893	2,00%	357,10893	356,083	1,03	3	357,04893	2,00%	4	357,02893
244 + 0.000	-4	358,12296	-3	358,14296	2,00%	358,20296	356,837	1,37	3	358,14296	2,00%	4	358,12296
245 + 0.000	-4	359,217	-3	359,237	2,00%	359,297	357,517	1,78	3	359,237	2,00%	4	359,217

246 + 0.000	-4	360,31104	-3	360,33104	2,00%	360,39104	359,301	1,09	3	360,33104	2,00%	4	360,31104
247 + 0.000	-4	361,40442	-3	361,42442	2,00%	361,48442	361,237	0,25	3	361,42442	2,00%	4	361,40442
248 + 0.000	-4	362,48537	-3	362,50537	2,00%	362,56537	363,181	-0,62	3	362,50537	2,00%	4	362,48537
249 + 0.000	-4	363,54949	-3	363,56949	2,00%	363,62949	364,493	-0,86	3	363,56949	2,00%	4	363,54949
250 + 0.000	-4	364,59679	-3	364,61679	2,00%	364,67679	365,314	-0,64	3	364,61679	2,00%	4	364,59679
251 + 0.000	-4	365,62727	-3	365,64727	2,00%	365,70727	366,050	-0,34	3	365,64727	2,00%	4	365,62727
252 + 0.000	-4	366,64092	-3	366,66092	2,00%	366,72092	366,873	-0,15	3	366,66092	2,00%	4	366,64092
253 + 0.000	-4	367,63775	-3	367,65775	2,00%	367,71775	367,657	0,06	3	367,65775	2,00%	4	367,63775
254 + 0.000	-4	368,61775	-3	368,63775	2,00%	368,69775	368,441	0,26	3	368,63775	2,00%	4	368,61775
255 + 0.000	-4	369,58093	-3	369,60093	2,00%	369,66093	369,112	0,55	3	369,60093	2,00%	4	369,58093
256 + 0.000	-4	370,52729	-3	370,54729	2,00%	370,60729	369,720	0,89	3	370,54729	2,00%	4	370,52729
257 + 0.000	-4	371,45747	-3	371,47747	2,00%	371,53747	370,417	1,12	3	371,47747	2,00%	4	371,45747
258 + 0.000	-4	372,38328	-3	372,40328	2,00%	372,46328	371,268	1,20	3	372,40328	2,00%	4	372,38328
259 + 0.000	-4	373,30908	-3	373,32908	2,00%	373,38908	372,195	1,19	3	373,32908	2,00%	4	373,30908
260 + 0.000	-4	374,23488	-3	374,25488	2,00%	374,31488	373,483	0,83	3	374,25488	2,00%	4	374,23488
261 + 0.000	-4	374,98378	-3	375,00378	2,00%	375,06378	374,896	0,17	3	375,00378	2,00%	4	374,98378
262 + 0.000	-4	375,14687	-3	375,16687	2,00%	375,22687	375,704	-0,48	3	375,16687	2,00%	4	375,14687
263 + 0.000	-4	374,70773	-3	374,72773	2,00%	374,78773	375,620	-0,83	3	374,72773	2,00%	4	374,70773
264 + 0.000	-4	373,66636	-3	373,68636	2,00%	373,74636	374,733	-0,99	3	373,68636	2,00%	4	373,66636
265 + 0.000	-4	372,09813	-3	372,11813	2,00%	372,17813	373,076	-0,90	3	372,11813	2,00%	4	372,09813
266 + 0.000	-4	370,45472	-3	370,47472	2,00%	370,53472	370,710	-0,18	3	370,47472	2,00%	4	370,45472
267 + 0.000	-4	368,93513	-3	368,95513	2,00%	369,01513	368,924	0,09	3	368,95513	2,00%	4	368,93513
268 + 0.000	-4	367,8556	-3	367,8756	2,00%	367,9356	368,158	-0,22	3	367,8756	2,00%	4	367,8556
269 + 0.000	-4	367,08245	-3	367,10245	2,00%	367,16245	367,568	-0,41	3	367,10245	2,00%	4	367,08245
270 + 0.000	-4	366,31756	-3	366,33756	2,00%	366,39756	367,010	-0,61	3	366,33756	2,00%	4	366,31756
271 + 0.000	-4	365,55267	-3	365,57267	2,00%	365,63267	366,201	-0,57	3	365,57267	2,00%	4	365,55267
272 + 0.000	-4	364,78778	-3	364,80778	2,00%	364,86778	365,281	-0,41	3	364,80778	2,00%	4	364,78778
273 + 0.000	-4	364,07193	-3	364,09193	2,00%	364,15193	364,353	-0,20	3	364,09193	2,00%	4	364,07193
274 + 0.000	-4	363,7523	-3	363,7723	2,00%	363,8323	363,421	0,41	3	363,7723	2,00%	4	363,7523
275 + 0.000	-4	363,89653	-3	363,91653	2,00%	363,97653	363,428	0,55	3	363,91653	2,00%	4	363,89653
276 + 0.000	-4	364,50463	-3	364,52463	2,00%	364,58463	364,492	0,09	3	364,52463	2,00%	4	364,50463
277 + 0.000	-4	365,50894	-3	365,52894	2,00%	365,58894	365,534	0,05	3	365,52894	2,00%	4	365,50894
278 + 0.000	-4	366,5623	-3	366,5823	2,00%	366,6423	366,575	0,07	3	366,5823	2,00%	4	366,5623
279 + 0.000	-4	367,61566	-3	367,63566	2,00%	367,69566	367,616	0,08	3	367,63566	2,00%	4	367,61566
280 + 0.000	-4	368,66903	-3	368,68903	2,00%	368,74903	368,657	0,09	3	368,68903	2,00%	4	368,66903
281 + 0.000	-4	369,72239	-3	369,74239	2,00%	369,80239	369,698	0,10	3	369,74239	2,00%	4	369,72239
282 + 0.000	-4	370,77575	-3	370,79575	2,00%	370,85575	370,769	0,09	3	370,79575	2,00%	4	370,77575
283 + 0.000	-4	371,82911	-3	371,84911	2,00%	371,90911	371,845	0,06	3	371,84911	2,00%	4	371,82911
284 + 0.000	-4	372,88326	-3	372,90326	2,00%	372,96326	372,922	0,04	3	372,90326	2,00%	4	372,88326
285 + 0.000	-4	374,11193	-3	374,13193	2,00%	374,19193	373,998	0,19	3	374,13193	2,00%	4	374,11193
286 + 0.000	-4	375,64718	-3	375,66718	2,00%	375,72718	375,306	0,42	3	375,66718	2,00%	4	375,64718

287 + 0.000	-4	377,489	-3	377,509	2,00%	377,569	377,522	0,05	3	377,509	2,00%	4	377,489
288 + 0.000	-4	379,62022	-3	379,64022	2,00%	379,70022	379,718	-0,02	3	379,64022	2,00%	4	379,62022
289 + 0.000	-4	381,81929	-3	381,83929	2,00%	381,89929	381,914	-0,01	3	381,83929	2,00%	4	381,81929
290 + 0.000	-4	384,01836	-3	384,03836	2,00%	384,09836	384,111	-0,01	3	384,03836	2,00%	4	384,01836
291 + 0.000	-4	386,21744	-3	386,23744	2,00%	386,29744	386,308	-0,01	3	386,23744	2,00%	4	386,21744
292 + 0.000	-4	388,41651	-3	388,43651	2,00%	388,49651	388,505	-0,01	3	388,43651	2,00%	4	388,41651
293 + 0.000	-4	390,61558	-3	390,63558	2,00%	390,69558	390,703	-0,01	3	390,63558	2,00%	4	390,61558