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REVIZE	POPIS	DATUM	PODPIS

III/23915 Dřínov-Drchkov

OBJEDNATEL

Krajská správa a údržba silnic Středočeského kraje, příspěvková organizace
Zborovská 11
150 21 Praha 5



SAGASTA s.r.o.

SÍDLLO: NOVODVORSKÁ 1010/14, 142 00 PRAHA 4
IČ: 045 98 555 DIČ: CZ045 98 555



SAGASTA

JTSK Bpv

ČÍSLO SOUPRAVY

ODPOVĚDNÝ PROJEKTANT	VYPRACOVAL	KONTROLA	HIP
ING. STANISLAV KUPKA	ING. STANISLAV KUPKA	ING. PETR PACÁK	ING. PETR PACÁK
<i>ky</i>	<i>ky</i>	<i>P. Pacák</i>	<i>P. Pacák</i>

AKCE

III/23915 Dřínov-Drchkov

ČÍSLO ZAKÁZKY 120-074

DOKUMENTACE PDPS

MĚŘÍTKO -

DATUM 09/2022

POČET FORMÁTŮ -

NÁZEV PŘÍLOHY

VYTÝČENÍ VÝŠKOVÉ ŘEŠENÍ

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ČÍSLO PŘÍLOHY

8.2

DOKUMENTACI LZE UŽÍVAT POUZE VE SMYSLU PŘÍSLUŠNÉ SMLOUVY O DÍLO. VÝKRES, ČI JEHO ČÁST, MŮŽE BÝT KOPÍROVÁN NEBO JINÝM ZPŮSOBEM ROZŠÍŘOVÁN POUZE PO PŘEDCHOZÍM SOUHLASU SAGASTA s.r.o.

Rekonstrukce silnice III/23915 - Výpočet nivelety

SAGASTA s.r.o.

Novodvorská 1010/14, Praha 4

ROADPAC SI32 - VIANIV Interaktivní niveleta

Verze: 2008

Datum: 01.12.2022

Akce: III/23915 Dřínov - Drchkov

Trasa: Silnice III/23915 projekční staničení km 0,000000 - km 3,139111

H L A V N Í B O D Y N I V E L E T Y

Číslo	Staničení	Výška vrcholu	Poloměr	Tečna	Vzepětí	Spád	Délka	Mezipřímá
1,	0,000000	232,756	0,000	0,000	0,000	5,565%	20,000	12,450
2,	0,020000	233,869	-2 000,000	7,550	-0,014	6,320%	20,000	5,934
3,	0,040000	235,133	2 000,000	6,516	0,011	5,668%	40,576	24,149
4,	0,080576	237,433	-2 500,000	9,911	-0,020	6,461%	23,788	9,469
5,	0,104364	238,970	-2 000,000	4,408	-0,005	6,902%	5,636	-0,793
6,	0,110000	239,359	2 000,000	2,021	0,001	6,700%	20,000	9,907
7,	0,130000	240,699	-1 400,000	8,072	-0,023	7,853%	16,019	5,071
8,	0,146019	241,957	-1 000,000	2,876	-0,004	8,428%	5,790	2,509
9,	0,151809	242,445	3 000,000	0,406	0,000	8,401%	2,821	2,415
10,	0,154630	242,682	0,000	0,000	0,000	10,517%	2,881	2,881
11,	0,157511	242,985	0,000	0,000	0,000	1,796%	1,002	1,002
12,	0,158513	243,003	0,000	0,000	0,000	3,607%	0,305	0,305
13,	0,158818	243,014	0,000	0,000	0,000	0,127%	0,786	0,786
14,	0,159604	243,015	0,000	0,000	0,000	1,826%	1,698	1,698
15,	0,161302	243,046	0,000	0,000	0,000	1,297%	1,542	1,542
16,	0,162844	243,066	0,000	0,000	0,000	0,000%	0,662	0,662
17,	0,163506	243,066	0,000	0,000	0,000	-0,587%	0,852	0,852
18,	0,164358	243,061	0,000	0,000	0,000	-1,451%	1,585	1,585
19,	0,165943	243,038	0,000	0,000	0,000	-0,971%	1,853	1,853
20,	0,167796	243,020	0,000	0,000	0,000	-0,395%	1,014	1,014
21,	0,168810	243,016	0,000	0,000	0,000	-0,125%	0,801	0,801
22,	0,169611	243,015	0,000	0,000	0,000	-2,273%	0,660	0,660
23,	0,170271	243,000	0,000	0,000	0,000	0,682%	0,733	0,733
24,	0,171004	243,005	0,000	0,000	0,000	0,000%	0,805	0,805

25,	0,171809	243,005	0,000	0,000	0,000	1,483%	0,944	0,944
26,	0,172753	243,019	0,000	0,000	0,000	1,702%	2,409	2,409
27,	0,175162	243,060	0,000	0,000	0,000	1,471%	1,428	1,428
28,	0,176590	243,081	0,000	0,000	0,000	1,187%	3,202	3,202
29,	0,179792	243,119	0,000	0,000	0,000	0,942%	2,760	2,760
30,	0,182552	243,145	0,000	0,000	0,000	0,967%	0,517	0,517
31,	0,183069	243,150	0,000	0,000	0,000	-4,762%	0,021	0,021
32,	0,183090	243,149	0,000	0,000	0,000	-2,883%	0,659	0,659
33,	0,183749	243,130	0,000	0,000	0,000	1,709%	0,117	0,117
34,	0,183866	243,132	0,000	0,000	0,000	1,547%	5,559	0,031
35,	0,189425	243,218	-600,000	5,528	-0,025	3,390%	18,379	4,561
36,	0,207804	243,841	-2 500,000	8,290	-0,014	4,053%	37,874	23,422
37,	0,245678	245,376	-1 750,000	6,162	-0,011	4,757%	20,937	1,358
38,	0,266615	246,372	-1 500,000	13,417	-0,060	6,546%	33,180	18,892
39,	0,299795	248,544	-3 000,000	0,870	0,000	6,604%	18,019	7,564
40,	0,317814	249,734	-1 750,000	9,584	-0,026	7,700%	28,937	2,224
41,	0,346751	251,962	1 500,000	17,129	0,098	5,416%	46,181	18,638
42,	0,392932	254,463	750,000	10,414	0,072	2,639%	24,066	7,450
43,	0,416998	255,098	650,000	6,202	0,030	0,730%	26,842	12,499
44,	0,443840	255,294	1 250,000	8,140	0,027	-0,572%	22,193	9,733
45,	0,466033	255,167	500,000	4,319	0,019	-2,300%	15,565	2,728
46,	0,481598	254,809	1 000,000	8,518	0,036	-4,004%	12,164	1,563
47,	0,493762	254,322	1 000,000	2,083	0,002	-4,420%	15,067	6,881
48,	0,508829	253,656	3 000,000	6,103	0,006	-4,827%	23,140	6,646
49,	0,531969	252,539	2 000,000	10,391	0,027	-5,866%	46,998	15,200
50,	0,578967	249,782	-3 000,000	21,408	-0,076	-4,439%	51,205	14,629
51,	0,630172	247,509	-1 250,000	15,168	-0,092	-2,012%	27,334	4,751
52,	0,657506	246,959	-850,000	7,415	-0,032	-0,267%	26,177	2,806
53,	0,683683	246,889	-3 000,000	15,956	-0,042	0,796%	45,209	23,634
54,	0,728892	247,249	-3 000,000	5,620	-0,005	1,171%	13,408	0,626
55,	0,742300	247,406	5 000,000	7,162	0,005	0,885%	46,582	20,078
56,	0,788882	247,818	-3 500,000	19,342	-0,053	1,990%	111,625	73,912
57,	0,900507	250,039	-3 500,000	18,371	-0,048	3,040%	60,208	25,447
58,	0,960715	251,869	-2 000,000	16,390	-0,067	4,678%	34,285	5,542
59,	0,995000	253,473	2 700,000	12,354	0,028	3,763%	30,000	6,121
60,	1,025000	254,602	-2 700,000	11,525	-0,025	4,617%	16,829	0,466
61,	1,041829	255,379	-1 000,000	4,838	-0,012	5,585%	29,187	13,882
62,	1,071016	257,009	5 500,000	10,466	0,010	5,204%	33,051	19,289
63,	1,104067	258,729	-1 000,000	3,295	-0,005	5,863%	30,854	24,781
64,	1,134921	260,538	-2 500,000	2,778	-0,002	6,085%	11,536	3,433
65,	1,146457	261,240	-2 500,000	5,326	-0,006	6,511%	27,260	17,326
66,	1,173717	263,015	-2 000,000	4,608	-0,005	6,972%	31,267	20,108
67,	1,204984	265,195	-750,000	6,551	-0,029	8,719%	26,310	16,730
68,	1,231294	267,489	650,000	3,029	0,007	7,787%	4,135	0,975
69,	1,235429	267,811	500,000	0,131	0,000	7,735%	32,645	30,557
70,	1,268074	270,336	-1 200,000	1,957	-0,002	8,061%	35,083	28,249

71,	1,303157	273,164	-1 200,000	4,877	-0,010	8,874%	18,955	8,981
72,	1,322112	274,846	300,000	5,097	0,043	5,475%	20,528	13,289
73,	1,342640	275,970	-1 200,000	2,142	-0,002	5,832%	32,388	25,997
74,	1,375028	277,859	650,000	4,249	0,014	4,525%	24,972	17,249
75,	1,400000	278,989	-2 000,000	3,474	-0,003	4,873%	28,589	16,466
76,	1,428589	280,382	-2 200,000	8,648	-0,017	5,659%	20,411	4,945
77,	1,449000	281,537	-5 500,000	6,817	-0,004	5,907%	31,998	21,541
78,	1,480998	283,427	5 500,000	3,639	0,001	5,774%	28,142	18,499
79,	1,509140	285,052	1 000,000	6,004	0,018	4,574%	26,741	6,160
80,	1,535881	286,275	500,000	14,577	0,212	-1,257%	32,852	10,615
81,	1,568733	285,862	750,000	7,660	0,039	-3,300%	14,273	0,573
82,	1,583006	285,391	1 000,000	6,039	0,018	-4,508%	19,899	8,916
83,	1,602905	284,494	-750,000	4,944	-0,016	-3,189%	18,530	5,829
84,	1,621435	283,903	200,000	7,757	0,150	-10,947%	43,813	29,443
85,	1,665248	279,107	5 500,000	6,612	0,004	-11,187%	24,752	11,098
86,	1,690000	276,338	1 500,000	7,041	0,017	-12,126%	22,415	1,218
87,	1,712415	273,620	-700,000	14,156	-0,143	-8,081%	18,574	4,418
88,	1,730989	272,119	0,000	0,000	0,000	-5,759%	0,191	0,191
89,	1,731180	272,108	0,000	0,000	0,000	-5,884%	10,657	10,657
90,	1,741837	271,481	0,000	0,000	0,000	-6,306%	0,222	0,222
91,	1,742059	271,467	0,000	0,000	0,000	-4,809%	4,284	4,284
92,	1,746343	271,261	0,000	0,000	0,000	-4,992%	0,621	0,621
93,	1,746964	271,230	0,000	0,000	0,000	1,515%	0,330	0,330
94,	1,747294	271,235	0,000	0,000	0,000	0,230%	1,302	1,302
95,	1,748596	271,238	0,000	0,000	0,000	0,163%	1,224	1,224
96,	1,749820	271,240	0,000	0,000	0,000	3,518%	0,739	0,739
97,	1,750559	271,266	0,000	0,000	0,000	0,769%	0,260	0,260
98,	1,750819	271,268	0,000	0,000	0,000	-3,670%	0,109	0,109
99,	1,750928	271,264	0,000	0,000	0,000	-2,165%	0,462	0,462
100,	1,751390	271,254	0,000	0,000	0,000	0,257%	1,166	1,166
101,	1,752556	271,257	0,000	0,000	0,000	8,125%	1,637	1,637
102,	1,754193	271,390	0,000	0,000	0,000	2,083%	0,144	0,144
103,	1,754337	271,393	0,000	0,000	0,000	1,020%	0,098	0,098
104,	1,754435	271,394	0,000	0,000	0,000	-3,659%	0,082	0,082
105,	1,754517	271,391	0,000	0,000	0,000	1,230%	1,382	1,382
106,	1,755899	271,408	0,000	0,000	0,000	1,124%	0,178	0,178
107,	1,756077	271,410	0,000	0,000	0,000	0,000%	0,035	0,035
108,	1,756112	271,410	0,000	0,000	0,000	-7,445%	0,591	0,591
109,	1,756703	271,366	0,000	0,000	0,000	-7,509%	0,586	0,586
110,	1,757289	271,322	0,000	0,000	0,000	-13,333%	0,015	0,015
111,	1,757304	271,320	0,000	0,000	0,000	-11,765%	0,017	0,017
112,	1,757321	271,318	0,000	0,000	0,000	-7,350%	0,585	0,585
113,	1,757906	271,275	0,000	0,000	0,000	-11,765%	0,017	0,017
114,	1,757923	271,273	0,000	0,000	0,000	-7,477%	0,107	0,107
115,	1,758030	271,265	0,000	0,000	0,000	-7,518%	1,676	0,207
116,	1,759706	271,139	1 000,000	1,469	0,001	-7,812%	4,314	1,678

117,	1,764020	270,802	-1 000,000	1,167	-0,001	-7,578%	16,877	10,513
118,	1,780897	269,523	750,000	5,197	0,018	-8,964%	15,651	4,320
119,	1,796548	268,120	-3 000,000	6,134	-0,006	-8,555%	15,651	-4,015
120,	1,812199	266,781	-1 500,000	13,532	-0,061	-6,751%	19,819	-3,964
121,	1,832018	265,443	-1 500,000	10,251	-0,035	-5,384%	16,734	-3,978
122,	1,848752	264,542	-1 750,000	10,460	-0,031	-4,189%	28,719	1,546
123,	1,877472	263,339	6 000,000	16,713	0,023	-4,746%	28,720	2,051
124,	1,906191	261,976	-5 000,000	9,955	-0,010	-4,348%	32,569	14,061
125,	1,938760	260,560	1 500,000	8,552	0,024	-5,488%	48,852	39,644
126,	1,987612	257,879	3 000,000	0,656	0,000	-5,532%	50,382	28,004
127,	2,037994	255,092	2 750,000	21,722	0,086	-7,112%	30,120	0,139
128,	2,068114	252,950	-4 500,000	8,259	-0,008	-6,745%	50,886	35,379
129,	2,119000	249,518	2 500,000	7,248	0,011	-7,324%	20,152	10,052
130,	2,139152	248,042	-1 500,000	2,852	-0,003	-6,944%	12,471	5,803
131,	2,151623	247,176	-2 000,000	3,816	-0,004	-6,563%	66,362	61,825
132,	2,217985	242,821	-1 200,000	0,720	0,000	-6,442%	5,262	3,439
133,	2,223247	242,482	200,000	1,103	0,003	-7,545%	16,607	14,673
134,	2,239854	241,229	-1 200,000	0,832	0,000	-7,406%	7,291	3,169
135,	2,247145	240,689	-1 000,000	3,290	-0,005	-6,748%	24,139	17,917
136,	2,271284	239,060	-1 000,000	2,933	-0,004	-6,162%	17,170	12,052
137,	2,288454	238,002	-1 000,000	2,185	-0,002	-5,725%	18,009	10,963
138,	2,306463	236,971	650,000	4,861	0,018	-7,221%	24,624	17,751
139,	2,331087	235,193	-1 500,000	2,012	-0,001	-6,952%	25,344	22,693
140,	2,356431	233,431	-5 000,000	0,639	0,000	-6,927%	11,405	9,303
141,	2,367836	232,641	650,000	1,464	0,002	-7,377%	6,615	4,395
142,	2,374451	232,153	5 000,000	0,756	0,000	-7,407%	3,618	0,487
143,	2,378069	231,885	-650,000	2,375	-0,004	-6,677%	6,710	1,598
144,	2,384779	231,437	-1 200,000	2,737	-0,003	-6,221%	9,324	4,382
145,	2,394103	230,857	650,000	2,205	0,004	-6,899%	6,769	2,783
146,	2,400872	230,390	-200,000	1,781	-0,008	-5,118%	7,229	3,707
147,	2,408101	230,020	-200,000	1,741	-0,008	-3,377%	7,788	5,838
148,	2,415889	229,757	-500,000	0,209	0,000	-3,461%	5,664	4,211
149,	2,421553	229,561	-200,000	1,245	-0,004	-2,216%	2,121	0,653
150,	2,423674	229,514	-200,000	0,223	0,000	-1,992%	5,822	3,609
151,	2,429496	229,398	-250,000	1,989	-0,008	-0,401%	9,724	7,005
152,	2,439220	229,359	-250,000	0,730	-0,001	0,183%	26,770	24,464
153,	2,465990	229,408	650,000	1,576	0,002	-0,302%	7,952	5,738
154,	2,473942	229,384	650,000	0,638	0,000	-0,498%	6,222	0,072
155,	2,480164	229,353	-825,000	5,511	-0,018	0,838%	29,480	17,441
156,	2,509644	229,600	-1 000,000	6,528	-0,021	2,143%	23,514	15,194
157,	2,533158	230,104	-1 000,000	1,793	-0,002	2,502%	23,382	17,691
158,	2,556540	230,689	-250,000	3,898	-0,030	5,621%	17,578	10,198
159,	2,574118	231,677	-250,000	3,482	-0,024	8,406%	31,513	26,159
160,	2,605631	234,326	2 000,000	1,872	0,001	8,219%	9,101	3,250
161,	2,614732	235,074	2 000,000	3,979	0,004	7,821%	13,630	9,361
162,	2,628362	236,140	-500,000	0,290	0,000	7,937%	2,482	0,394

163,	2,630844	236,337	-500,000	1,798	-0,003	8,656%	10,836	7,852
164,	2,641680	237,275	200,000	1,186	0,004	7,470%	14,230	12,209
165,	2,655910	238,338	-1 000,000	0,835	0,000	7,637%	12,557	8,574
166,	2,668467	239,297	2 000,000	3,148	0,002	7,322%	7,361	3,203
167,	2,675828	239,836	650,000	1,010	0,001	7,012%	4,949	2,304
168,	2,680777	240,183	650,000	1,635	0,002	6,509%	7,421	1,771
169,	2,688198	240,666	-1 200,000	4,015	-0,007	7,178%	9,404	3,818
170,	2,697602	241,341	1 200,000	1,571	0,001	6,916%	6,550	2,925
171,	2,704152	241,794	-1 500,000	2,055	-0,001	7,190%	20,000	8,059
172,	2,724152	243,232	5 500,000	9,886	0,009	6,831%	47,566	34,780
173,	2,771718	246,481	-3 500,000	2,900	-0,001	6,996%	5,603	0,131
174,	2,777321	246,873	2 750,000	2,572	0,001	6,809%	17,961	8,265
175,	2,795282	248,096	800,000	7,125	0,032	5,028%	16,030	0,299
176,	2,811312	248,902	900,000	8,607	0,041	3,115%	25,807	7,421
177,	2,837119	249,706	-3 500,000	9,779	-0,014	3,674%	23,134	8,070
178,	2,860253	250,556	-1 000,000	5,285	-0,014	4,731%	48,022	36,954
179,	2,908275	252,828	5 500,000	5,783	0,003	4,521%	52,512	33,754
180,	2,960787	255,202	-5 000,000	12,975	-0,017	5,040%	26,707	3,464
181,	2,987494	256,548	-3 500,000	10,268	-0,015	5,627%	18,768	7,031
182,	3,006262	257,604	5 500,000	1,470	0,000	5,573%	47,980	41,771
183,	3,054242	260,278	-5 500,000	4,739	-0,002	5,746%	44,870	31,750
184,	3,099112	262,856	2 500,000	8,381	0,014	5,075%	20,000	5,490
185,	3,119112	263,871	-2 500,000	6,128	-0,008	5,565%	19,999	13,871
186,	3,139111	264,984	0,000	0,000	0,000	0,000%	0,000	0,000

V Ý P O Č E T V Ý Š E K V P O D R O B N Ý C H B O D E C H

Staničení	označení	Výška nivelety	Výška terénu	Spád nivelety

0,000000	V	232,756	232,756	5,565%
0,012450	ZZ	233,449	233,421	5,565%
0,020000	V	233,883	233,869	5,943%
0,027550	KZ	234,346	234,310	6,320%
0,033484	ZZ	234,721	234,653	6,320%
0,040000	V	235,122	235,003	5,994%
0,046516	KZ	235,502	235,349	5,668%
0,060000		236,267	236,081	5,668%
0,070665	ZZ	236,871	236,709	5,668%
0,080000		237,418	237,259	6,042%
0,080576	V	237,453	237,293	6,065%
0,090487	KZ	238,073	237,924	6,461%
0,099956	ZZ	238,685	238,542	6,461%
0,100000		238,688	238,545	6,463%
0,104364	V	238,975	238,830	6,682%

0,107979	ZZ	239,220	239,083	6,902%
0,108772	KZ	239,274	239,138	6,862%
0,110000	V	239,358	239,224	6,801%
0,112021	KZ	239,494	239,366	6,700%
0,120000		240,029	239,932	6,700%
0,121928	ZZ	240,158	240,083	6,700%
0,130000	V	240,722	240,699	7,277%
0,138072	KZ	241,333	241,334	7,853%
0,140000		241,484	241,488	7,853%
0,143143	ZZ	241,731	241,738	7,853%
0,146019	V	241,961	241,968	8,141%
0,148895	KZ	242,199	242,205	8,428%
0,151403	ZZ	242,411	242,412	8,428%
0,151809	V	242,445	242,445	8,415%
0,152215	KZ	242,479	242,479	8,401%
0,154630	KZ ZZ V	242,682	242,682	10,517%
0,157511	KZ ZZ V	242,985	242,985	1,796%
0,158513	KZ ZZ V	243,003	243,003	3,607%
0,158818	KZ ZZ V	243,014	243,014	0,127%
0,159604	KZ ZZ V	243,015	243,015	1,826%
0,160000		243,022	243,022	1,826%
0,161302	KZ ZZ V	243,046	243,046	1,297%
0,162844	KZ ZZ V	243,066	243,066	0,000%
0,163506	KZ ZZ V	243,066	243,066	-0,587%
0,164358	KZ ZZ V	243,061	243,061	-1,451%
0,165943	KZ ZZ V	243,038	243,038	-0,971%
0,167796	KZ ZZ V	243,020	243,020	-0,395%
0,168810	KZ ZZ V	243,016	243,016	-0,125%
0,169611	KZ ZZ V	243,015	243,015	-2,273%
0,170271	VZ KZ ZZ V	243,000	243,000	0,682%
0,171004	KZ ZZ V	243,005	243,005	0,000%
0,171809	KZ ZZ V	243,005	243,005	1,483%
0,172753	KZ ZZ V	243,019	243,019	1,702%
0,175162	KZ ZZ V	243,060	243,060	1,471%
0,176590	KZ ZZ V	243,081	243,081	1,187%
0,179792	KZ ZZ V	243,119	243,119	0,942%
0,180000		243,121	243,121	0,942%
0,182552	KZ ZZ V	243,145	243,145	0,967%
0,183069	VZ KZ ZZ V	243,150	243,150	-4,762%
0,183090	KZ ZZ V	243,149	243,149	-2,883%
0,183749	VZ KZ ZZ V	243,130	243,130	1,709%
0,183866	KZ ZZ V	243,132	243,132	1,547%
0,183897	ZZ	243,132	243,133	1,547%
0,189425	V	243,243	243,218	2,468%
0,194953	KZ	243,405	243,347	3,390%
0,199514	ZZ	243,560	243,455	3,390%

0,200000		243,577	243,466	3,409%
0,207804	V	243,855	243,701	3,721%
0,216094	KZ	244,177	244,002	4,053%
0,220000		244,335	244,156	4,053%
0,239516	ZZ	245,126	244,968	4,053%
0,240000		245,146	244,989	4,081%
0,245678	V	245,387	245,236	4,405%
0,251840	KZ	245,669	245,497	4,757%
0,253198	ZZ	245,734	245,556	4,757%
0,260000		246,073	245,892	5,211%
0,266615	V	246,432	246,232	5,652%
0,280000		247,248	247,112	6,544%
0,280032	KZ	247,250	247,114	6,546%
0,298925	ZZ	248,487	248,347	6,546%
0,299795	V	248,544	248,404	6,575%
0,300000		248,558	248,418	6,582%
0,300665	KZ	248,601	248,461	6,604%
0,308230	ZZ	249,101	248,953	6,604%
0,317814	V	249,760	249,604	7,152%
0,320000		249,918	249,757	7,277%
0,327398	KZ	250,472	250,274	7,700%
0,329622	ZZ	250,643	250,429	7,700%
0,340000		251,406	251,187	7,008%
0,346751	V	251,864	251,676	6,558%
0,360000		252,675	252,487	5,674%
0,363880	KZ	252,890	252,711	5,416%
0,380000		253,763	253,611	5,416%
0,382518	ZZ	253,899	253,745	5,416%
0,392932	V	254,391	254,272	4,027%
0,400000		254,642	254,478	3,085%
0,403346	KZ	254,738	254,572	2,639%
0,410796	ZZ	254,934	254,783	2,639%
0,416998	V	255,068	254,958	1,684%
0,420000		255,112	254,981	1,223%
0,423200	KZ	255,143	255,005	0,730%
0,435700	ZZ	255,235	255,096	0,730%
0,440000		255,259	255,127	0,386%
0,443840	V	255,267	255,154	0,079%
0,444827	VZ	255,268	255,149	0,000%
0,451980	KZ	255,247	255,110	-0,572%
0,460000		255,202	255,065	-0,572%
0,461714	ZZ	255,192	255,054	-0,572%
0,466033	V	255,148	255,027	-1,436%
0,470352	KZ	255,068	254,930	-2,300%
0,473080	ZZ	255,005	254,868	-2,300%
0,480000		254,822	254,708	-2,992%

0,481598	V	254,773	254,669	-3,152%
0,490116	KZ	254,468	254,326	-4,004%
0,491679	ZZ	254,405	254,264	-4,004%
0,493762	V	254,320	254,182	-4,212%
0,495845	KZ	254,230	254,098	-4,420%
0,500000		254,046	253,917	-4,420%
0,502726	ZZ	253,926	253,797	-4,420%
0,508829	V	253,650	253,516	-4,624%
0,514932	KZ	253,361	253,209	-4,827%
0,520000		253,117	252,942	-4,827%
0,521578	ZZ	253,041	252,860	-4,827%
0,531969	V	252,512	252,289	-5,347%
0,540000		252,066	251,829	-5,748%
0,542360	KZ	251,929	251,693	-5,866%
0,557559	ZZ	251,038	250,826	-5,866%
0,560000		250,896	250,688	-5,785%
0,578967	V	249,858	249,642	-5,153%
0,580000		249,805	249,594	-5,118%
0,600000		248,848	248,664	-4,452%
0,600375	KZ	248,832	248,646	-4,439%
0,615004	ZZ	248,182	248,009	-4,439%
0,620000		247,971	247,798	-4,039%
0,630172	V	247,601	247,369	-3,226%
0,640000		247,323	247,172	-2,439%
0,645340	KZ	247,204	247,064	-2,012%
0,650091	ZZ	247,108	246,969	-2,012%
0,657506	V	246,991	246,819	-1,140%
0,660000		246,967	246,813	-0,846%
0,664921	KZ	246,939	246,800	-0,267%
0,667727	ZZ	246,932	246,792	-0,267%
0,675750	VZ	246,921	246,770	0,000%
0,680000		246,924	246,759	0,142%
0,683683	V	246,931	246,749	0,264%
0,699639	KZ	247,016	246,867	0,796%
0,700000		247,019	246,869	0,796%
0,720000		247,178	247,030	0,796%
0,723272	ZZ	247,204	247,059	0,796%
0,728892	V	247,254	247,109	0,984%
0,734512	KZ	247,315	247,178	1,171%
0,735138	ZZ	247,322	247,186	1,171%
0,740000		247,377	247,245	1,074%
0,742300	V	247,401	247,266	1,028%
0,749462	KZ	247,469	247,328	0,885%
0,760000		247,563	247,412	0,885%
0,769540	ZZ	247,647	247,494	0,885%
0,780000		247,755	247,594	1,183%

0,788882	V	247,871	247,678	1,437%
0,800000		248,049	247,901	1,755%
0,808224	KZ	248,203	248,065	1,990%
0,820000		248,437	248,296	1,990%
0,840000		248,835	248,677	1,990%
0,860000		249,233	249,061	1,990%
0,880000		249,631	249,461	1,990%
0,882136	ZZ	249,673	249,509	1,990%
0,900000		250,075	249,888	2,500%
0,900507	V	250,087	249,899	2,515%
0,918878	KZ	250,597	250,405	3,040%
0,920000		250,631	250,436	3,040%
0,940000		251,239	251,028	3,040%
0,944325	ZZ	251,371	251,175	3,040%
0,960000		251,909	251,705	3,823%
0,960715	V	251,936	251,729	3,859%
0,977105	KZ	252,636	252,514	4,678%
0,980000		252,771	252,654	4,678%
0,982646	ZZ	252,895	252,781	4,678%
0,995000	V	253,445	253,333	4,221%
1,000000		253,651	253,554	4,036%
1,007354	KZ	253,938	253,878	3,763%
1,013475	ZZ	254,168	254,132	3,763%
1,020000		254,422	254,398	4,005%
1,025000	V	254,627	254,602	4,190%
1,036525	KZ	255,134	255,126	4,617%
1,036991	ZZ	255,156	255,148	4,617%
1,040000		255,299	255,294	4,918%
1,041829	V	255,391	255,379	5,101%
1,046667	KZ	255,649	255,641	5,585%
1,060000		256,394	256,390	5,585%
1,060550	ZZ	256,424	256,421	5,585%
1,071016	V	256,999	257,009	5,394%
1,080000		257,476	257,459	5,231%
1,081482	KZ	257,554	257,533	5,204%
1,100000		258,517	258,505	5,204%
1,100772	ZZ	258,558	258,548	5,204%
1,104067	V	258,734	258,729	5,534%
1,107362	KZ	258,922	258,919	5,863%
1,120000		259,663	259,645	5,863%
1,132143	ZZ	260,375	260,369	5,863%
1,134921	V	260,540	260,538	5,974%
1,137699	KZ	260,707	260,707	6,085%
1,140000		260,847	260,847	6,085%
1,141131	ZZ	260,916	260,915	6,085%
1,146457	V	261,246	261,240	6,298%

1,151783	KZ	261,587	261,577	6,511%
1,160000		262,122	262,105	6,511%
1,169109	ZZ	262,715	262,704	6,511%
1,173717	V	263,020	263,015	6,742%
1,178325	KZ	263,336	263,326	6,972%
1,180000		263,453	263,439	6,972%
1,198433	ZZ	264,738	264,729	6,972%
1,200000		264,849	264,840	7,181%
1,204984	V	265,224	265,195	7,846%
1,211535	KZ	265,766	265,753	8,719%
1,220000		266,504	266,471	8,719%
1,228265	ZZ	267,225	267,214	8,719%
1,231294	V	267,482	267,489	8,253%
1,234323	KZ	267,725	267,725	7,787%
1,235298	ZZ	267,801	267,801	7,787%
1,235429	V	267,811	267,811	7,761%
1,235560	KZ	267,821	267,821	7,735%
1,240000		268,165	268,165	7,735%
1,260000		269,711	269,708	7,735%
1,266117	ZZ	270,185	270,177	7,735%
1,268074	V	270,338	270,336	7,898%
1,270031	KZ	270,494	270,499	8,061%
1,280000		271,297	271,333	8,061%
1,298280	ZZ	272,771	272,778	8,061%
1,300000		272,911	272,910	8,204%
1,303157	V	273,174	273,164	8,467%
1,308034	KZ	273,597	273,602	8,874%
1,317015	ZZ	274,394	274,431	8,874%
1,320000		274,644	274,677	7,879%
1,322112	V	274,803	274,846	7,175%
1,327209	KZ	275,125	275,127	5,475%
1,340000		275,825	275,820	5,475%
1,340498	ZZ	275,853	275,849	5,475%
1,342640	V	275,972	275,970	5,654%
1,344782	KZ	276,095	276,091	5,832%
1,360000		276,983	276,953	5,832%
1,370779	ZZ	277,611	277,598	5,832%
1,375028	V	277,845	277,859	5,179%
1,379277	KZ	278,051	278,047	4,525%
1,380000		278,084	278,079	4,525%
1,396526	ZZ	278,832	278,827	4,525%
1,400000	V	278,992	278,989	4,699%
1,403474	KZ	279,158	279,159	4,873%
1,419941	ZZ	279,961	279,970	4,873%
1,420000		279,964	279,973	4,875%
1,428589	V	280,399	280,382	5,266%

1,437237	KZ	280,871	280,794	5,659%
1,440000		281,028	280,926	5,659%
1,442183	ZZ	281,151	281,030	5,659%
1,449000	V	281,541	281,397	5,783%
1,455817	KZ	281,940	281,776	5,907%
1,460000		282,187	282,009	5,907%
1,477359	ZZ	283,212	283,056	5,907%
1,480000		283,367	283,224	5,859%
1,480998	V	283,426	283,287	5,841%
1,484637	KZ	283,637	283,518	5,774%
1,500000		284,524	284,384	5,774%
1,503136	ZZ	284,705	284,554	5,774%
1,509140	V	285,034	284,880	5,174%
1,515144	KZ	285,327	285,165	4,574%
1,520000		285,549	285,369	4,574%
1,521304	ZZ	285,608	285,425	4,574%
1,535881	V	286,063	285,920	1,658%
1,540000		286,114	285,947	0,834%
1,544172	VZ	286,131	285,959	0,000%
1,550458	KZ	286,092	285,974	-1,257%
1,560000		285,972	285,864	-1,257%
1,561073	ZZ	285,958	285,849	-1,257%
1,568733	V	285,823	285,722	-2,279%
1,576393	KZ	285,609	285,472	-3,300%
1,576967	ZZ	285,590	285,453	-3,300%
1,580000		285,486	285,353	-3,603%
1,583006	V	285,373	285,251	-3,904%
1,589045	KZ	285,119	284,969	-4,508%
1,597961	ZZ	284,717	284,551	-4,508%
1,600000		284,628	284,470	-4,236%
1,602905	V	284,510	284,354	-3,849%
1,607849	KZ	284,336	284,163	-3,189%
1,613678	ZZ	284,150	283,983	-3,189%
1,620000		283,849	283,840	-6,351%
1,621435	V	283,753	283,763	-7,068%
1,629192	KZ	283,054	282,943	-10,947%
1,640000		281,871	281,705	-10,947%
1,658636	ZZ	279,831	279,670	-10,947%
1,660000		279,681	279,525	-10,971%
1,665248	V	279,103	278,967	-11,067%
1,671860	KZ	278,367	278,249	-11,187%
1,680000		277,457	277,329	-11,187%
1,682959	ZZ	277,126	276,995	-11,187%
1,690000	V	276,321	276,198	-11,656%
1,697041	KZ	275,484	275,392	-12,126%
1,698259	ZZ	275,337	275,209	-12,126%

1,700000		275,128	274,946	-11,877%
1,712415	V	273,763	273,620	-10,104%
1,720000		273,038	273,007	-9,020%
1,726571	KZ	272,476	272,476	-8,081%
1,730989	KZ ZZ V	272,119	272,119	-5,759%
1,731180	KZ ZZ V	272,108	272,108	-5,884%
1,740000		271,589	271,589	-5,884%
1,741837	KZ ZZ V	271,481	271,481	-6,306%
1,742059	KZ ZZ V	271,467	271,467	-4,809%
1,746343	KZ ZZ V	271,261	271,261	-4,992%
1,746964	VZ KZ ZZ V	271,230	271,230	1,515%
1,747294	KZ ZZ V	271,235	271,235	0,230%
1,748596	KZ ZZ V	271,238	271,238	0,163%
1,749820	KZ ZZ V	271,240	271,240	3,518%
1,750559	KZ ZZ V	271,266	271,266	0,769%
1,750819	VZ KZ ZZ V	271,268	271,268	-3,670%
1,750928	KZ ZZ V	271,264	271,264	-2,165%
1,751390	VZ KZ ZZ V	271,254	271,254	0,257%
1,752556	KZ ZZ V	271,257	271,257	8,125%
1,754193	KZ ZZ V	271,390	271,390	2,083%
1,754337	KZ ZZ V	271,393	271,393	1,020%
1,754435	VZ KZ ZZ V	271,394	271,394	-3,659%
1,754517	VZ KZ ZZ V	271,391	271,391	1,230%
1,755899	KZ ZZ V	271,408	271,408	1,124%
1,756077	KZ ZZ V	271,410	271,410	0,000%
1,756112	KZ ZZ V	271,410	271,410	-7,445%
1,756703	KZ ZZ V	271,366	271,366	-7,509%
1,757289	KZ ZZ V	271,322	271,322	-13,333%
1,757304	KZ ZZ V	271,320	271,320	-11,765%
1,757321	KZ ZZ V	271,318	271,318	-7,350%
1,757906	KZ ZZ V	271,275	271,275	-11,765%
1,757923	KZ ZZ V	271,273	271,273	-7,477%
1,758030	KZ ZZ V	271,265	271,265	-7,518%
1,758237	ZZ	271,249	271,250	-7,518%
1,759706	V	271,138	271,139	-7,665%
1,760000		271,115	271,107	-7,694%
1,761175	KZ	271,024	270,979	-7,812%
1,762853	ZZ	270,893	270,795	-7,812%
1,764020	V	270,803	270,705	-7,695%
1,765187	KZ	270,714	270,618	-7,578%
1,775700	ZZ	269,917	269,804	-7,578%
1,780000		269,579	269,461	-8,152%
1,780897	V	269,505	269,383	-8,271%
1,786094	KZ	269,057	268,917	-8,964%
1,790414	ZZ	268,670	268,530	-8,964%
1,796548	V	268,126	267,980	-8,760%

1,798667	ZZ	267,941	267,790	-8,689%
1,800000		267,825	267,671	-8,467%
1,802682	KZ	267,601	267,440	-8,288%
1,812199	V	266,842	266,641	-7,653%
1,820000		266,265	266,078	-7,133%
1,821767	ZZ	266,135	265,944	-6,751%
1,825731	KZ	265,873	265,695	-6,487%
1,832018	V	265,478	265,303	-6,068%
1,838292	ZZ	265,110	264,952	-5,649%
1,840000		265,014	264,860	-5,287%
1,842269	KZ	264,896	264,738	-5,157%
1,848752	V	264,573	264,402	-4,787%
1,859212	KZ	264,104	263,956	-4,189%
1,860000		264,071	263,923	-4,189%
1,860758	ZZ	264,039	263,890	-4,189%
1,877472	V	263,316	263,151	-4,467%
1,880000		263,202	263,035	-4,510%
1,894185	KZ	262,546	262,376	-4,746%
1,896236	ZZ	262,448	262,281	-4,746%
1,900000		262,271	262,108	-4,671%
1,906191	V	261,986	261,836	-4,547%
1,916146	KZ	261,543	261,402	-4,348%
1,920000		261,376	261,241	-4,348%
1,930208	ZZ	260,932	260,816	-4,348%
1,938760	V	260,536	260,420	-4,918%
1,940000		260,474	260,359	-5,001%
1,947312	KZ	260,091	259,999	-5,488%
1,960000		259,394	259,320	-5,488%
1,980000		258,297	258,183	-5,488%
1,986956	ZZ	257,915	257,777	-5,488%
1,987612	V	257,879	257,739	-5,510%
1,988268	KZ	257,843	257,701	-5,532%
2,000000		257,194	256,991	-5,532%
2,016272	ZZ	256,294	255,959	-5,532%
2,020000		256,085	255,721	-5,667%
2,037994	V	255,006	254,613	-6,322%
2,040000		254,879	254,491	-6,395%
2,059716	KZ	253,547	253,308	-7,112%
2,059855	ZZ	253,537	253,300	-7,112%
2,060000		253,527	253,291	-7,108%
2,068114	V	252,958	252,810	-6,928%
2,076373	KZ	252,393	252,258	-6,745%
2,080000		252,148	252,009	-6,745%
2,100000		250,799	250,629	-6,745%
2,111752	ZZ	250,007	249,796	-6,745%
2,119000	V	249,507	249,378	-7,034%

2,120000		249,437	249,312	-7,074%
2,126248	KZ	248,987	248,903	-7,324%
2,136300	ZZ	248,251	248,243	-7,324%
2,139152	V	248,045	248,042	-7,134%
2,140000		247,984	247,982	-7,078%
2,142004	KZ	247,844	247,840	-6,944%
2,147807	ZZ	247,441	247,430	-6,944%
2,151623	V	247,180	247,176	-6,753%
2,155439	KZ	246,926	246,926	-6,563%
2,160000		246,626	246,641	-6,563%
2,180000		245,314	245,391	-6,563%
2,200000		244,001	244,019	-6,563%
2,217265	ZZ	242,868	242,868	-6,563%
2,217985	V	242,821	242,821	-6,503%
2,218705	KZ	242,775	242,775	-6,442%
2,220000		242,691	242,691	-6,442%
2,222144	ZZ	242,553	242,554	-6,442%
2,223247	V	242,479	242,482	-6,994%
2,224350	KZ	242,399	242,402	-7,545%
2,239022	ZZ	241,292	241,289	-7,545%
2,239854	V	241,229	241,229	-7,476%
2,240000		241,218	241,218	-7,464%
2,240686	KZ	241,167	241,168	-7,406%
2,243855	ZZ	240,933	240,935	-7,406%
2,247145	V	240,694	240,689	-7,077%
2,250435	KZ	240,467	240,467	-6,748%
2,260000		239,821	239,820	-6,748%
2,268351	ZZ	239,258	239,259	-6,748%
2,271284	V	239,064	239,060	-6,455%
2,274217	KZ	238,879	238,867	-6,162%
2,280000		238,523	238,517	-6,162%
2,286269	ZZ	238,137	238,135	-6,162%
2,288454	V	238,004	238,002	-5,943%
2,290639	KZ	237,877	237,869	-5,725%
2,300000		237,341	237,338	-5,725%
2,301602	ZZ	237,249	237,247	-5,725%
2,306463	V	236,953	236,971	-6,473%
2,311324	KZ	236,620	236,626	-7,221%
2,320000		235,994	235,996	-7,221%
2,329075	ZZ	235,338	235,334	-7,221%
2,331087	V	235,194	235,193	-7,087%
2,333099	KZ	235,053	235,053	-6,952%
2,340000		234,573	234,570	-6,952%
2,355792	ZZ	233,475	233,475	-6,952%
2,356431	V	233,431	233,431	-6,940%
2,357070	KZ	233,387	233,386	-6,927%

2,360000		233,184	233,183	-6,927%
2,366372	ZZ	232,742	232,742	-6,927%
2,367836	V	232,639	232,640	-7,152%
2,369300	KZ	232,533	232,537	-7,377%
2,373695	ZZ	232,209	232,204	-7,377%
2,374451	V	232,153	232,146	-7,392%
2,375207	KZ	232,097	232,087	-7,407%
2,375694	ZZ	232,061	232,050	-7,407%
2,378069	V	231,889	231,885	-7,042%
2,380000		231,756	231,757	-6,745%
2,380444	KZ	231,726	231,727	-6,677%
2,382042	ZZ	231,620	231,620	-6,677%
2,384779	V	231,440	231,437	-6,449%
2,387516	KZ	231,267	231,266	-6,221%
2,391898	ZZ	230,994	230,996	-6,221%
2,394103	V	230,853	230,857	-6,560%
2,396308	KZ	230,705	230,704	-6,899%
2,399091	ZZ	230,513	230,513	-6,899%
2,400000		230,452	230,450	-6,445%
2,400872	V	230,398	230,390	-6,009%
2,402653	KZ	230,299	230,298	-5,118%
2,406360	ZZ	230,109	230,109	-5,118%
2,408101	V	230,028	230,020	-4,248%
2,409842	KZ	229,961	229,960	-3,377%
2,415680	ZZ	229,764	229,764	-3,377%
2,415889	V	229,757	229,757	-3,335%
2,416098	KZ	229,750	229,749	-3,461%
2,420000		229,615	229,616	-3,461%
2,420308	ZZ	229,604	229,604	-3,461%
2,421553	V	229,565	229,561	-2,838%
2,422798	KZ	229,533	229,534	-2,216%
2,423451	ZZ	229,519	229,520	-2,216%
2,423674	V	229,514	229,515	-2,104%
2,423897	KZ	229,510	229,511	-1,992%
2,427507	ZZ	229,438	229,438	-1,992%
2,429496	V	229,406	229,398	-1,197%
2,431485	KZ	229,390	229,391	-0,401%
2,438490	ZZ	229,362	229,363	-0,401%
2,439220	V	229,360	229,359	-0,109%
2,439493	VZ	229,360	229,357	0,000%
2,439950	KZ	229,360	229,355	0,183%
2,440000		229,360	229,354	0,183%
2,460000		229,397	229,398	0,183%
2,464414	ZZ	229,405	229,405	0,183%
2,465604	VZ	229,406	229,407	0,000%
2,465990	V	229,406	229,407	-0,059%

2,467566	KZ	229,403	229,404	-0,302%
2,473304	ZZ	229,386	229,386	-0,302%
2,473942	V	229,384	229,384	-0,400%
2,474580	KZ	229,381	229,381	-0,498%
2,474653	ZZ	229,380	229,381	-0,498%
2,478763	VZ	229,370	229,361	0,000%
2,480000		229,371	229,354	0,150%
2,480164	V	229,371	229,353	0,170%
2,485675	KZ	229,399	229,403	0,838%
2,500000		229,519	229,521	0,838%
2,503116	ZZ	229,545	229,546	0,838%
2,509644	V	229,621	229,600	1,491%
2,516172	KZ	229,740	229,733	2,143%
2,520000		229,822	229,814	2,143%
2,531365	ZZ	230,066	230,064	2,143%
2,533158	V	230,106	230,104	2,323%
2,534951	KZ	230,149	230,145	2,502%
2,540000		230,275	230,261	2,502%
2,552642	ZZ	230,591	230,588	2,502%
2,556540	V	230,719	230,689	4,061%
2,560000		230,884	230,884	5,445%
2,560438	KZ	230,908	230,909	5,621%
2,570636	ZZ	231,481	231,482	5,621%
2,574118	V	231,701	231,677	7,013%
2,577600	KZ	231,970	231,968	8,406%
2,580000		232,171	232,169	8,406%
2,600000		233,853	233,848	8,406%
2,603759	ZZ	234,169	234,168	8,406%
2,605631	V	234,325	234,326	8,313%
2,607503	KZ	234,480	234,480	8,219%
2,610753	ZZ	234,747	234,748	8,219%
2,614732	V	235,070	235,074	8,020%
2,618711	KZ	235,385	235,393	7,821%
2,620000		235,486	235,492	7,821%
2,628072	ZZ	236,117	236,118	7,821%
2,628362	V	236,140	236,140	7,879%
2,628652	KZ	236,163	236,162	7,937%
2,629046	ZZ	236,194	236,193	7,937%
2,630844	V	236,340	236,337	8,297%
2,632642	KZ	236,493	236,492	8,656%
2,640000		237,130	237,129	8,656%
2,640494	ZZ	237,172	237,172	8,656%
2,641680	V	237,271	237,275	8,063%
2,642866	KZ	237,364	237,365	7,470%
2,655075	ZZ	238,276	238,275	7,470%
2,655910	V	238,338	238,338	7,554%

2,656745	KZ	238,402	238,400	7,637%
2,660000		238,650	238,650	7,637%
2,665319	ZZ	239,057	239,055	7,637%
2,668467	V	239,295	239,297	7,480%
2,671615	KZ	239,528	239,527	7,322%
2,674818	ZZ	239,762	239,761	7,322%
2,675828	V	239,835	239,836	7,167%
2,676838	KZ	239,907	239,910	7,012%
2,679142	ZZ	240,068	240,071	7,012%
2,680000		240,128	240,129	6,880%
2,680777	V	240,181	240,183	6,760%
2,682412	KZ	240,289	240,288	6,509%
2,684183	ZZ	240,405	240,404	6,509%
2,688198	V	240,673	240,666	6,843%
2,692213	KZ	240,954	240,956	7,178%
2,696031	ZZ	241,228	241,229	7,178%
2,697602	V	241,340	241,341	7,047%
2,699173	KZ	241,450	241,452	6,916%
2,700000		241,507	241,510	6,916%
2,702097	ZZ	241,652	241,654	6,916%
2,704152	V	241,795	241,794	7,053%
2,706207	KZ	241,942	241,935	7,190%
2,714266	ZZ	242,521	242,483	7,190%
2,720000		242,930	242,834	7,086%
2,724152	V	243,223	243,092	7,010%
2,734038	KZ	243,907	243,702	6,831%
2,740000		244,314	244,072	6,831%
2,760000		245,681	245,480	6,831%
2,768818	ZZ	246,283	246,127	6,831%
2,771718	V	246,482	246,341	6,913%
2,774618	KZ	246,684	246,555	6,996%
2,774749	ZZ	246,693	246,564	6,996%
2,777321	V	246,872	246,754	6,903%
2,779893	KZ	247,048	246,926	6,809%
2,780000		247,055	246,933	6,809%
2,788157	ZZ	247,611	247,477	6,809%
2,795282	V	248,064	247,956	5,919%
2,800000		248,330	248,194	5,329%
2,802407	KZ	248,454	248,315	5,028%
2,802705	ZZ	248,469	248,330	5,028%
2,811312	V	248,861	248,762	4,072%
2,819919	KZ	249,170	249,033	3,115%
2,820000		249,173	249,035	3,115%
2,827340	ZZ	249,401	249,264	3,115%
2,837119	V	249,720	249,566	3,395%
2,840000		249,819	249,656	3,477%

2,846898	KZ	250,065	249,887	3,674%
2,854968	ZZ	250,362	250,199	3,674%
2,860000		250,559	250,406	4,177%
2,860253	V	250,570	250,416	4,203%
2,865538	KZ	250,806	250,653	4,731%
2,880000		251,490	251,335	4,731%
2,900000		252,436	252,292	4,731%
2,902492	ZZ	252,554	252,412	4,731%
2,908275	V	252,825	252,688	4,626%
2,914058	KZ	253,089	252,935	4,521%
2,920000		253,358	253,186	4,521%
2,940000		254,262	254,038	4,521%
2,947812	ZZ	254,615	254,423	4,521%
2,960000		255,181	255,023	4,765%
2,960787	V	255,219	255,062	4,780%
2,973762	KZ	255,856	255,704	5,040%
2,977226	ZZ	256,031	255,881	5,040%
2,980000		256,171	256,023	5,119%
2,987494	V	256,563	256,408	5,333%
2,997762	KZ	257,126	256,933	5,627%
3,000000		257,252	257,049	5,627%
3,004792	ZZ	257,521	257,353	5,627%
3,006262	V	257,604	257,464	5,600%
3,007732	KZ	257,686	257,531	5,573%
3,020000		258,370	258,187	5,573%
3,040000		259,484	259,331	5,573%
3,049503	ZZ	260,014	259,871	5,573%
3,054242	V	260,280	260,138	5,659%
3,058981	KZ	260,550	260,406	5,746%
3,060000		260,609	260,464	5,746%
3,080000		261,758	261,588	5,746%
3,090731	ZZ	262,374	262,219	5,746%
3,099112	V	262,842	262,714	5,410%
3,100000		262,890	262,766	5,375%
3,107493	KZ	263,281	263,206	5,075%
3,112984	ZZ	263,560	263,524	5,075%
3,119112	V	263,879	263,871	5,320%
3,120000		263,926	263,921	5,356%
3,125240	KZ	264,212	264,217	5,565%

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