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Genome-wide analysis of TNF- α response in pigs challenged with porcine circovirus 2b

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Abstract

Tumor necrosis factor alpha (TNF- α) is a pro-inflammatory cytokine with a role in activating adaptive immunity to viral infections. By inhibiting the capacity of plasmacytoid dendritic cells to produce interferon- α and TNF- α , porcine circovirus 2 (PCV2) limits the maturation of myeloid dendritic cells and impairs their ability to recognize viral and bacterial antigens. Previously, we reported QTL for viremia and immune response in PCV2-infected pigs. In this study, we analyzed phenotypic and genetic relationships between TNF- α protein levels, a potential indicator of predisposition to PCV2 co-infection, and PCV2 susceptibility. Following experimental challenge with PCV2b, TNF- α reached the peak at 21 days post-infection (dpi), at which time a difference was observed between pigs that expressed extreme variation in viremia and growth ($P < 0.10$). A genome-wide association study ($n = 297$) revealed that genotypes of 56 433 SNPs explained 73.9% of the variation in TNF- α at 21 dpi. Major SNPs were identified on SSC8, SSC10 and SSC14. Haplotypes based on SNPs from a SSC8 (9 Mb) 1-Mb window were associated with variation in TNF- α ($P < 0.02$), IgG ($P = 0.05$) and IgM ($P < 0.13$) levels at 21 dpi. Potential overlap of regulatory mechanisms was supported by the correlations between genomic prediction values of TNF- α and PCV2 antibodies (21 dpi, $r > 0.22$), viremia (14–21 dpi, $P > 0.29$) and viral load ($r = 0.31$, $P < 0.0001$). Characterization of the QTL regions uncovered genes that could influence variation in TNF- α levels as well as T- and B-cell development, which can affect disease susceptibility.

Keywords: immunity, porcine circovirus 2, swine, tumor necrosis factor alpha

Porcine circovirus 2 (PCV2) is the primary cause of a group of associated diseases (PCVAD) that includes postweaning multisystemic wasting syndrome (PMWS), characterized by severe weight loss, jaundice, dyspnea, diarrhea, lymphadenopathy and interstitial pneumonia (Carman *et al.* 2008). In natural outbreaks, 99% of the PMWS cases are the result of PCV2 co-infection with other pathogens such as porcine reproductive and respiratory syndrome virus (PRRSV), *Mycoplasma hyopneumoniae*, influenza or parvovirus. PCV2 infection of cells involved in the innate defense impairs the recognition of viral and bacterial antigens and favors secondary infections (Vincent *et al.* 2005, 2007). Specifically, PCV2 reduces the capacity of plasmacytoid dendritic cells to induce interferon- α and tumor necrosis factor alpha (TNF- α), limiting the maturation of associated myeloid dendritic cells. TNF- α is an innate pro-inflammatory cytokine with a role in activating adaptive immunity to viral challenges (Trevejo *et al.* 2001). Variation in

TNF- α following PCV2 infection could affect the ability of innate host defense to trigger the adaptive response, clear the pathogen and respond to secondary infections. We showed recently that high-density SNP genotypes influence variation in viremia (40–61%) and immune response (10–60%) in a population of crossbred pigs ($n = 384$) experimentally infected with PCV2b (McKnite *et al.* 2014). One of the major QTL regions that influenced viremia was mapped on SSC7 from 29 to 34 Mb, overlapping the SLAI complex of genes and also close to the location of the *TNF* gene (27.6 Mb). Taking into account the potential role of TNF- α , directly or indirectly, in the activation of immune response following PCV2 infection, in this study we explored the genetic factors that modulate protein expression of TNF- α and estimate phenotypic and genetic relationships with PCV2 viremia and specific immune response. We hypothesized that TNF- α could represent a potential indicator of predisposition to co-infection in PCV2-infected pigs.

Experimental infection with a PCV2b strain was initiated at 43 days of age. The pigs were infected intranasally and intramuscularly with a titer of 104.0 TCID₅₀/ml as described in McKnite *et al.* (2014); average daily gain (ADG), PCV2-specific antibodies (IgM and IgG) and viremia were measured at 0, 7, 14, 21 and 28 days post-infection (dpi). PCV2-specific antibodies were measured using ELISA (Ingenasa) and viremia was measured by real-time quantitative PCR (McKnite *et al.* 2014). Viral load was calculated as the area under the curve based on viremia profiled over time. High-density genotypes were obtained using the Porcine 60K SNP BeadArray (Illumina). The genome-wide association study (GWAS) included 56 433 SNPs and was performed using a Bayes B model (Kizilkaya *et al.* 2010) with litter, pen and batch as class variables and passive IgG and age at infection as covariates.

The protein serum level of TNF- α was quantified initially in pigs expressing high viral load and low ADG ($n = 6$) and low viral load and high ADG ($n = 6$) using ELISA (R&D Systems). A slight increase in TNF- α level was observed over time, reaching the peak at 21 dpi, where a difference was shown between the two groups ($P < 0.1$) (Fig. 1). At this time point, the rest of the resource population was profiled for TNF- α ($n = 297$). The increase in TNF- α level during viremic states may be characteristic of PCV2; previous studies showed a slight, non-significant increase in TNF- α level in swine influenza virus infections and inhibition of TNF- α expression to evade immune response in PRRSV infections (Murtaugh *et al.* 2002; Khatri *et al.* 2010). Chronic overexpression or inhibition of TNF- α has been shown to be involved in the pathogenesis of several diseases (Clancy *et al.* 2004; McCullough *et al.* 2009).

Pairwise correlations between TNF- α at 21 dpi, viremia and antibody profile across time points were based on residuals obtained from a model that included batch

as a fixed effect, litter and pen as random, and age at infection and level of passive IgG as covariates. TNF- α level was positively correlated with viral load ($r = 0.25$) and with viremia during the last 3 weeks of the challenge ($r = 0.23$ – 0.34) ($P < 0.0001$, Table 1). The relationship between TNF- α (21 dpi) and PCV2-specific antibodies was detected following their surge, starting at 14 dpi for IgM ($r = 0.17$ – 0.32) and at 21 dpi for IgG ($r = 0.17$) ($P < 0.005$). Small negative estimates were obtained between TNF- α and overall ADG ($r = -0.15$) and also with weekly ADG, with the largest estimate observed during the last week of challenge ($r = -0.17$) ($P < 0.01$).

Table 1. Phenotypic and genomic correlations between TNF- α levels at 21 days post-infection (dpi) and indicator traits of PCVAD susceptibility following an experimental infection with PCV2b.

Traits	Correlations with TNF- α (log 10)	
	Phenotypic	Genomic
Viral load	0.248**	0.319**
Viremia 7 dpi	-0.053	0.027
Viremia 14 dpi	0.273**	0.315**
Viremia 21 dpi	0.15*	0.276**
Viremia 28 dpi	0.231**	0.137
IgM 7 dpi	-0.053	-0.051
IgM 14 dpi	0.199**	0.169
IgM 21 dpi	0.284**	0.302**
IgM 28 dpi	0.338**	0.433**
IgG 7 dpi	-0.19**	-0.260**
IgG 14 dpi	-0.254**	-0.198**
IgG 21 dpi	0.19**	0.226**
IgG 28 dpi	0.11*	0.225**
ADG 0 to 28 days	-0.157*	-0.137*
ADG week 1	0.032	-0.063
ADG week 2	-0.058	-0.118
ADG week 3	-0.077	-0.130*
ADG week 4	-0.157*	-0.073

Significance of the correlation estimates: * $P < 0.05$; ** $P < 0.001$

Figure 1. Means and standard errors of TNF- α levels in pigs expressing high viral load and low ADG (HL) and low viral load and high ADG (LH) following an experimental infection with PCV2b.

Figure 2. Genome-wide association study between 56,33 SNPs and TNF- α at 21 days post-infection (dpi) following an experimental infection with PCV2b. Each dot represents the proportion of genetic variance explained by an individual SNP. The x-axis represents the position of each SNP in the swine genome based on build 10.2 of the reference swine genome. The y-axis represents the contribution of each SNP to the genetic variance. Alternate colors represent autosomes, from SSC1 to 18, and chromosome X followed by a set of SNPs without a precise location.

Combined genotypes of the 56 433 SNPs explained 73.9% of the phenotypic variation in TNF- α . Although the proportion of the variation explained by SNPs is substantial, none of the mapped regions explained the majority of the effect. Regions characterized by clusters of SNPs associated with major effects were mapped on build 10.2 of the reference swine genome on SSC8 (9 Mb), SSC10 (73 Mb) and SSC14 (120 and 127 Mb) (Fig. 2). Functional characterization of the genes located in these regions uncovered potential candidates that modulate variation in TNF- α levels. Two transcription factors, KLF6 (SSC10, 73 Mb) and NKX3 (SSC8, 8.7 Mb), are involved in immune system development, with KLF6 specifically involved in B-cell development and differentiation (www.genecards.org). Absence of a major association at the *TNF* locus (SSC7, 27 Mb) indicated a trans-modulation mechanism that influenced its variation in response to PCV2 infection. A 1-Mb window located at the proximal end of SSC8 (9 Mb) explained the largest additive genetic variation of TNF- α (1.27%), having a model frequency of 40%, although the variation explained by this window was not significantly greater than the average ($P < 0.33$) (Table S1). SNP *ASGA0037733* (SSC8, 9.4 Mb), located in this window, was associated with the largest genetic variance. Genotype AA was associated with highest level of TNF- α (1.44 pg/ml) compared to AG (1.37 pg/ml, $P < 0.18$) and GG genotypes (1.28 pg/ml, $P < 0.05$).

Potential overlap of the genetic control or pathways that influence the variation of multiple traits in response to infection were evidenced by correlations between genomic prediction values of TNF- α and IgM ($r > 0.30$) and IgG ($r > 0.22$) from 21 dpi, viremia from 14 to 21 dpi ($P > 0.27$) and viral load ($r = 0.32$) ($P < 0.0001$) (Table 1). The 1-Mb window located on SSC8 (9 Mb) ranked in the top 2% in the GWAS with IgG at 21 dpi and with IgM at 21 and 28 dpi (McKnite *et al.* 2014).

Haplotypes of the top four SNPs in the respective window on SSC8, including *ASGA0037733*, *MARCO036344*, *MARCO054423* and *MARCO095540*, were associated with variation in IgG ($P = 0.05$) and IgM ($P < 0.15$) at 21 dpi. Haplotype 4, the only haplotype that carries the G allele from *ASGA0037733* and the A allele from *MARCO095540*, was associated with the lowest substitution effect for IgG ($P < 0.10$), IgM ($P < 0.25$) and TNF- α ($P < 0.02$) at 21 dpi (Table S2). Haplotype 2, which varies from haplotype 4 across all four sites and from haplotypes 1 (*MARCO095540*) and 3 (*MARCO036344*) at a single site, was associated with the highest substitution effect and was significantly different from the average for both PCV2 antibodies at 21 dpi ($P < 0.05$). No significant relationships were detected between haplotypes and measures of viremia.

One of the SNPs (*ASGA0091563*, SSC9, 0.70 Mb) that captured the negative relationship between viral load and ADG, reported by McKnite *et al.* (2014), was also associated with variation in TNF- α ($P < 0.05$). The AA genotype was associated with lower levels of TNF- α ($P < 0.05$), lower viral load ($P < 0.01$) and higher ADG ($P < 0.10$) compared to the GG genotype. These results suggest that individuals with a genetic profile that expressed high viral load during challenge experienced reduced growth, high IgM and IgG response (McKnite *et al.* 2014) and high levels of TNF- α . Based on previous reports (Murtaugh *et al.* 2002), a lower or lack of TNF- α surge is not desired due to the ability of the certain pathogens (e.g., PRRSV) to trigger an effective immune response. Future functional characterization of genomic regions that influence variation in TNF- α could lead to better understanding of T- and B-cell development, immune response and the ability of the host to reduce viral replication and susceptibility to PCV2-associated diseases including secondary infections.

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Supporting information

Additional supporting information follows.

Table S1. GWAS between 1 Mb genome windows and TNF α at 21 dpi following an experimental infection with PCV2b. (75 pages)

Table S2. Haplotype substitution effects for TNF- α (21 dpi), PCV2-specific antibodies and viremia based on SNPs ASGA0037733, MARC0036344, MARC0054423 and MARC0095540 located on SSC8 (9–10 Mb). (1 page)

Table S1. GWAS between 1 Mb genome windows and TNF- α at 21 dpi following an experimental infection with PCV2b.

Window	start	end	#SNPs	%Var	Cum%Var	p>0	p>Average	map_pos0	map_posn	chr_Mb	var(ghat)	corr	regr
2593	60204	43262	4681	9.86	0	1	1	21_0	21_0	21_0	0	0.9282	17.2
1180	24046	42205	23	1.27	1.27	0.402402	0.323323	8_9026929	8_9891321	8_9	0	0.8485	11.67
2050	27380	47783	18	0.42	1.69	0.268268	0.222222	14_127001828	14_127981685	14_127	0	0.8462	10.85
2043	27336	11555	18	0.31	2	0.202202	0.161161	14_120063463	14_120986865	14_120	0	0.8369	10.2
360	20868	2246	38	0.27	2.27	0.374374	0.267267	2_44033531	2_44984555	2_44	0	0.8413	10.01
2462	29042	14061	18	0.26	2.53	0.214214	0.141141	19_9077280	19_9970257	19_9	0	0.8433	9.79
1943	10758	26750	27	0.25	2.78	0.281281	0.211211	14_20034189	14_20912572	14_20	0	0.8478	9.6
1942	10729	10757	27	0.22	3	0.303303	0.232232	14_19012273	14_19994178	14_19	0	0.8459	9.28
2016	43880	27194	27	0.2	3.2	0.316316	0.227227	14_93096651	14_93963302	14_93	0	0.8511	9.11
282	20526	52816	31	0.19	3.39	0.276276	0.202202	1_282001963	1_282998551	1_282	0	0.8582	8.97
361	2248	2251	19	0.17	3.56	0.207207	0.157157	2_45026774	2_45986058	2_45	0	0.8562	8.79
1076	46993	23505	34	0.17	3.74	0.335335	0.235235	7_39051601	7_39985401	7_39	0	0.8608	8.69
740	46759	17226	31	0.17	3.91	0.291291	0.205205	4_117005641	4_117950885	4_117	0	0.8616	8.59
358	2224	2235	36	0.17	4.07	0.341341	0.233233	2_42026841	2_42989311	2_42	0	0.8594	8.44
1089	60256	36441	35	0.16	4.24	0.318318	0.226226	7_52038431	7_52978945	7_52	0	0.8653	8.41
1547	31595	25327	19	0.16	4.4	0.186186	0.125125	10_73122633	10_73876295	10_73	0	0.8689	8.35
1618	9013	9025	32	0.16	4.55	0.306306	0.222222	11_66014418	11_66991408	11_66	0	0.8723	8.25
1054	23365	37883	30	0.15	4.71	0.307307	0.211211	7_17027287	7_17994605	7_17	0	0.8757	8.17
508	2890	30765	28	0.15	4.86	0.254254	0.168168	3_30021862	3_30988651	3_30	0	0.8796	8.11
1940	38987	43657	24	0.15	5.01	0.257257	0.183183	14_17079159	14_17981100	14_17	0	0.8787	7.97
2069	44041	62004	35	0.15	5.16	0.301301	0.217217	14_146002787	14_146982251	14_146	0	0.8803	7.88
2463	55031	60055	30	0.15	5.3	0.263263	0.182182	19_10005053	19_10911377	19_10	0	0.8804	7.8
499	2850	31100	26	0.15	5.45	0.273273	0.161161	3_21010393	3_21911837	3_21	0	0.8834	7.78
2036	11487	11494	27	0.15	5.59	0.259259	0.181181	14_113018677	14_113973779	14_113	0	0.8798	7.55
32	36536	19635	35	0.14	5.74	0.345345	0.223223	1_32021937	1_32981735	1_32	0	0.8801	7.46
496	31870	50533	19	0.14	5.88	0.218218	0.16016	3_18042146	3_18985624	3_18	0	0.8834	7.38
1322	16747	31404	28	0.14	6.02	0.238238	0.162162	9_2305353	9_2978499	9_2	0	0.8847	7.33
1075	23496	55765	23	0.14	6.17	0.261261	0.181181	7_38006859	7_38984501	7_38	0	0.8852	7.24
1619	25566	9037	28	0.14	6.31	0.286286	0.203203	11_67039090	11_67975596	11_67	0	0.884	7.12
1543	25307	49263	42	0.14	6.45	0.325325	0.242242	10_69008968	10_69985989	10_69	0	0.8847	7.08
944	48911	5374	25	0.14	6.58	0.226226	0.158158	6_65081101	6_65940489	6_65	0	0.8848	7.04
1068	5924	23446	35	0.13	6.71	0.302302	0.216216	7_31011932	7_31989509	7_31	0	0.8856	7.02

2030	11431	11442	28	0.13	6.84	0.298298	0.206206	14_107033485	14_107993512	14_107	0	0.8825	6.92
1964	26879	26888	26	0.13	6.97	0.241241	0.181181	14_41000376	14_41993819	14_41	0	0.8817	6.81
2310	28331	54335	37	0.13	7.1	0.339339	0.23023	16_75024639	16_75983297	16_75	0	0.8836	6.79
1934	26673	10675	37	0.13	7.22	0.31031	0.215215	14_11022529	14_11989764	14_11	0	0.8828	6.71
1067	37906	5925	37	0.12	7.35	0.328328	0.205205	7_30036530	7_30978428	7_30	0	0.8828	6.66
950	14987	45195	33	0.12	7.47	0.295295	0.205205	6_71001575	6_71995060	6_71	0	0.881	6.59
17	53439	146	41	0.12	7.59	0.34034	0.236236	1_17004757	1_17991862	1_17	0	0.8827	6.59
2074	49549	56774	35	0.12	7.71	0.337337	0.212212	14_151015261	14_151993696	14_151	0	0.8832	6.55
2136	55438	12162	17	0.12	7.83	0.171171	0.121121	15_59124311	15_59950764	15_59	0	0.8854	6.51
1134	6461	56328	35	0.12	7.96	0.315315	0.238238	7_98003978	7_98998276	7_98	0	0.8865	6.48
497	35761	2845	26	0.12	8.07	0.262262	0.17017	3_19077421	3_19951828	3_19	0	0.8866	6.42
1177	33404	60870	23	0.12	8.19	0.208208	0.155155	8_6209812	8_6999002	8_6	0	0.8862	6.37
512	51158	48617	23	0.12	8.31	0.228228	0.162162	3_34016624	3_34989088	3_34	0	0.8857	6.3
15	115	124	32	0.12	8.42	0.289289	0.184184	1_15045014	1_15995234	1_15	0	0.8877	6.28
1244	58287	7095	20	0.12	8.54	0.224224	0.169169	8_73036634	8_73926862	8_73	0	0.887	6.17
1579	42964	54130	25	0.12	8.66	0.242242	0.171171	11_27007918	11_27954931	11_27	0	0.8876	6.13
1320	51548	50018	36	0.11	8.77	0.297297	0.21021	9_21708	9_974310	9_0	0	0.8893	6.12
2012	11281	11289	19	0.11	8.88	0.193193	0.129129	14_89013097	14_89670530	14_89	0	0.889	6.06
1637	25682	9186	21	0.11	8.99	0.213213	0.156156	11_85016603	11_85932032	11_85	0	0.8898	6.05
1937	57122	26708	30	0.11	9.1	0.273273	0.162162	14_14005194	14_14998570	14_14	0	0.889	6.02
631	48689	3465	27	0.11	9.2	0.249249	0.168168	4_8074964	4_8963064	4_8	0	0.8899	6
1329	42430	24481	25	0.11	9.31	0.242242	0.161161	9_9019463	9_9995702	9_9	0	0.89	5.96
1136	6481	42072	21	0.11	9.42	0.21021	0.141141	7_100038150	7_100997092	7_100	0	0.892	5.92
1742	38732	9749	23	0.1	9.52	0.199199	0.14014	13_38085096	13_38948602	13_38	0	0.8929	5.89
2064	39191	27474	37	0.1	9.63	0.334334	0.207207	14_141004641	14_141996996	14_141	0	0.8939	5.88
1176	24032	33119	26	0.1	9.73	0.248248	0.171171	8_5065847	8_5984514	8_5	0	0.8939	5.83
2049	11582	11590	20	0.1	9.83	0.201201	0.136136	14_126018137	14_126980313	14_126	0	0.8915	5.75
1052	37873	58620	26	0.1	9.94	0.243243	0.168168	7_15057420	7_15995030	7_15	0	0.8913	5.7
2353	13407	13417	30	0.1	10.04	0.274274	0.169169	17_31034493	17_31972942	17_31	0	0.8927	5.7
2054	11610	27398	29	0.1	10.15	0.259259	0.173173	14_131033758	14_131991212	14_131	0	0.8945	5.67
657	21900	37432	31	0.1	10.25	0.256256	0.179179	4_34074856	4_34965838	4_34	0	0.8952	5.66
2055	27399	27405	36	0.1	10.35	0.301301	0.189189	14_132022319	14_132972206	14_132	0	0.896	5.64
1385	14587	24724	33	0.1	10.45	0.283283	0.191191	9_65022738	9_65959223	9_65	0	0.8958	5.62
2259	30054	44360	28	0.1	10.55	0.253253	0.154154	16_24096772	16_24940106	16_24	0	0.8964	5.6
529	17458	56912	24	0.1	10.66	0.22022	0.142142	3_51053503	3_51939345	3_51	0	0.8978	5.59

1711	9505	50269	28	0.1	10.76	0.229229	0.153153	13_7091760	13_7981207	13_7	0	0.8979	5.56
14	51106	114	26	0.1	10.86	0.25025	0.166166	1_14038761	1_14874949	1_14	0	0.8982	5.55
660	52747	21926	24	0.1	10.96	0.222222	0.145145	4_37069150	4_37995302	4_37	0	0.8994	5.53
2078	27597	27585	24	0.1	11.05	0.238238	0.159159	15_1015164	15_1975870	15_1	0	0.8998	5.51
1079	57712	58557	23	0.1	11.15	0.216216	0.114114	7_42000072	7_42999450	7_42	0	0.902	5.5
1337	15372	15154	29	0.1	11.25	0.258258	0.163163	9_17004309	9_17992016	9_17	0	0.9028	5.49
1737	48353	43296	21	0.1	11.35	0.188188	0.13013	13_33023006	13_33967886	13_33	0	0.903	5.48
12	88	59266	27	0.1	11.45	0.246246	0.159159	1_12024877	1_12924473	1_12	0	0.9031	5.47
597	21576	3312	36	0.1	11.54	0.302302	0.188188	3_119006428	3_119979845	3_119	0	0.9046	5.46
2129	12115	12118	26	0.1	11.64	0.258258	0.158158	15_52006633	15_52955798	15_52	0	0.9054	5.45
1059	41841	41843	19	0.1	11.74	0.185185	0.135135	7_22026124	7_22987329	7_22	0.001	0.9053	5.42
2383	56176	13628	36	0.1	11.83	0.279279	0.172172	17_61012026	17_61978820	17_61	0.001	0.9059	5.42
630	21720	40992	33	0.1	11.93	0.268268	0.188188	4_7002305	4_7975375	4_7	0.001	0.9058	5.39
1933	10647	10663	28	0.1	12.03	0.236236	0.167167	14_10012490	14_10994010	14_10	0.001	0.9051	5.35
953	23029	16694	41	0.1	12.12	0.337337	0.199199	6_74002918	6_74982947	6_74	0.001	0.9052	5.35
1178	24041	17629	26	0.1	12.22	0.216216	0.142142	8_7050948	8_7964676	8_7	0.001	0.9035	5.31
422	31987	21011	25	0.09	12.31	0.242242	0.158158	2_107011848	2_107975061	2_107	0.001	0.9049	5.3
1700	14464	14590	48	0.09	12.4	0.35035	0.245245	12_60002492	12_60982548	12_60	0.001	0.9055	5.3
2312	56411	56478	29	0.09	12.5	0.253253	0.166166	16_77046740	16_77939638	16_77	0.001	0.9059	5.27
281	1765	30435	33	0.09	12.59	0.276276	0.192192	1_281095974	1_281969962	1_281	0.001	0.907	5.25
1053	5817	37878	28	0.09	12.68	0.26026	0.169169	7_16062680	7_16974151	7_16	0.001	0.9072	5.22
2253	39400	28125	35	0.09	12.78	0.266266	0.185185	16_18027175	16_18998881	16_18	0.001	0.9074	5.21
627	48680	3424	40	0.09	12.87	0.325325	0.2002	4_4001700	4_4957104	4_4	0.001	0.9075	5.19
33	19636	274	36	0.09	12.96	0.287287	0.182182	1_33008187	1_33973260	1_33	0.001	0.9082	5.19
753	4458	4471	35	0.09	13.05	0.31031	0.198198	4_130003887	4_130976284	4_130	0.001	0.9087	5.16
31	15632	54565	32	0.09	13.15	0.284284	0.166166	1_31008523	1_31952459	1_31	0.001	0.9083	5.13
1033	23230	45268	28	0.09	13.24	0.238238	0.156156	6_154110204	6_154972467	6_154	0.001	0.9082	5.11
2013	27176	11298	27	0.09	13.33	0.252252	0.172172	14_90035986	14_90968956	14_90	0.001	0.9074	5.08
629	3436	21719	30	0.09	13.42	0.276276	0.176176	4_6007874	4_6977891	4_6	0.001	0.9072	5.06
440	17984	2606	32	0.09	13.51	0.269269	0.173173	2_125009891	2_125989308	2_125	0.001	0.9085	5.06
509	15333	51401	26	0.09	13.6	0.25025	0.172172	3_31012875	3_31931466	3_31	0.001	0.9086	5.02
745	37490	22359	24	0.09	13.7	0.242242	0.159159	4_122078780	4_122988956	4_122	0.001	0.9091	5.01
535	21371	46483	27	0.09	13.79	0.243243	0.161161	3_57006572	3_57996439	3_57	0.001	0.9092	5
318	45597	40436	23	0.09	13.87	0.197197	0.132132	2_2010989	2_2992926	2_2	0.001	0.91	4.99
1699	52072	14562	29	0.09	13.96	0.247247	0.176176	12_59032217	12_59982065	12_59	0.001	0.9108	4.99

2417	62026	28864	30	0.09	14.05	0.255255	0.161161	18_25027827	18_25981606	18_25	0.001	0.9116	4.98
1182	32605	6807	38	0.09	14.14	0.296296	0.192192	8_11003327	8_11977623	8_11	0.001	0.9118	4.96
456	2711	31847	47	0.09	14.23	0.371371	0.23023	2_141030437	2_141983114	2_141	0.001	0.912	4.96
1049	23328	23337	27	0.09	14.32	0.242242	0.14014	7_12019377	7_12984109	7_12	0.001	0.9128	4.95
872	41582	22893	31	0.09	14.41	0.263263	0.183183	5_105059227	5_105954521	5_105	0.001	0.9133	4.95
1674	32709	43177	39	0.09	14.49	0.316316	0.205205	12_34002369	12_34995000	12_34	0.001	0.9133	4.95
1382	38268	24708	27	0.09	14.58	0.229229	0.167167	9_62083176	9_62996659	9_62	0.001	0.9144	4.95
1729	16980	32836	32	0.09	14.67	0.291291	0.194194	13_25073183	13_25929578	13_25	0.001	0.9148	4.93
2063	44017	47824	40	0.09	14.76	0.335335	0.206206	14_140004840	14_140944805	14_140	0.001	0.9146	4.91
1095	23626	23629	20	0.09	14.84	0.163163	0.102102	7_58003125	7_58927990	7_58	0.001	0.9152	4.91
866	5160	5146	34	0.09	14.93	0.275275	0.169169	5_99010975	5_99972762	5_99	0.001	0.9155	4.88
635	21769	3500	37	0.09	15.02	0.289289	0.175175	4_12003384	4_12980361	4_12	0.001	0.9162	4.88
747	46767	4417	28	0.09	15.1	0.24024	0.149149	4_124043519	4_124982191	4_124	0.001	0.9163	4.87
2018	11327	51323	18	0.09	15.19	0.21021	0.152152	14_95195496	14_95961878	14_95	0.001	0.9153	4.83
1091	6132	45578	35	0.09	15.27	0.279279	0.181181	7_54010631	7_54997566	7_54	0.001	0.9154	4.82
1069	5937	41868	28	0.09	15.36	0.246246	0.168168	7_32016844	7_32997273	7_32	0.001	0.9154	4.81
1135	59132	42070	21	0.09	15.44	0.187187	0.134134	7_99021825	7_99992288	7_99	0.001	0.9154	4.79
266	1657	1670	30	0.09	15.53	0.258258	0.14014	1_266007391	1_266974660	1_266	0.001	0.9161	4.79
1739	26070	62127	27	0.09	15.62	0.228228	0.152152	13_35018578	13_35985818	13_35	0.001	0.9167	4.78
1658	50249	54233	30	0.09	15.7	0.261261	0.171171	12_18147178	12_18890652	12_18	0.001	0.9165	4.77
1956	57718	26827	20	0.09	15.79	0.184184	0.133133	14_33040198	14_33959799	14_33	0.001	0.9174	4.76
1004	16509	5563	30	0.08	15.87	0.255255	0.168168	6_125030939	6_125996452	6_125	0.001	0.9173	4.74
1046	37854	5772	31	0.08	15.96	0.265265	0.154154	7_9003631	7_9976814	7_9	0.001	0.9176	4.73
1467	56527	42719	33	0.08	16.04	0.286286	0.188188	9_147006399	9_147992536	9_147	0.001	0.9184	4.72
1535	8530	58456	37	0.08	16.13	0.314314	0.209209	10_61014593	10_61965891	10_61	0.001	0.9185	4.71
1993	11130	39052	24	0.08	16.21	0.218218	0.135135	14_70019958	14_70993366	14_70	0.001	0.9184	4.7
492	37254	55645	37	0.08	16.29	0.336336	0.218218	3_14007265	3_14998247	3_14	0.001	0.9184	4.69
2573	29194	29203	31	0.08	16.38	0.259259	0.157157	19_125006304	19_125972086	19_125	0.001	0.9186	4.68
146	999	46082	21	0.08	16.46	0.199199	0.124124	1_146032525	1_146954950	1_146	0.001	0.9198	4.68
1624	43040	9077	26	0.08	16.55	0.234234	0.15015	11_72031850	11_72966366	11_72	0.001	0.9207	4.66
2041	27326	11539	25	0.08	16.63	0.229229	0.158158	14_118017826	14_118988272	14_118	0.001	0.9188	4.62
348	20826	2148	31	0.08	16.71	0.261261	0.186186	2_32027800	2_32993535	2_32	0.001	0.919	4.61
1221	24189	7023	16	0.08	16.8	0.168168	0.124124	8_50029364	8_50863927	8_50	0.001	0.9201	4.6
908	61575	5328	27	0.08	16.88	0.251251	0.143143	6_29076106	6_29958963	6_29	0.001	0.9207	4.6
2010	43864	61591	29	0.08	16.97	0.247247	0.156156	14_87034503	14_87975446	14_87	0.001	0.9205	4.59

2498	29543	44930	25	0.08	17.05	0.187187	0.132132	19_45004996	19_45972443	19_45	0.001	0.9215	4.59
769	41347	53366	28	0.08	17.13	0.246246	0.169169	5_2021416	5_2975876	5_2	0.001	0.9218	4.58
2358	28563	44588	31	0.08	17.21	0.279279	0.177177	17_36007878	17_36999204	17_36	0.001	0.9215	4.57
507	15353	15494	29	0.08	17.3	0.275275	0.166166	3_29024154	3_29894909	3_29	0.001	0.9219	4.55
1041	5722	5729	28	0.08	17.38	0.243243	0.162162	7_4033259	7_4988931	7_4	0.001	0.9221	4.55
1454	8073	42675	13	0.08	17.46	0.133133	0.101101	9_134004914	9_134966767	9_134	0.001	0.9233	4.54
334	2047	40469	40	0.08	17.54	0.324324	0.206206	2_18091227	2_18926886	2_18	0.001	0.9241	4.54
2569	30481	14437	15	0.08	17.63	0.121121	0.089089	19_121196405	19_121945530	19_121	0.001	0.9247	4.53
2135	27745	12154	16	0.08	17.71	0.139139	0.098098	15_58049980	15_58956076	15_58	0.001	0.925	4.51
1128	38033	23780	34	0.08	17.79	0.295295	0.183183	7_92008578	7_92964028	7_92	0.001	0.9253	4.51
1093	60723	57604	39	0.08	17.87	0.284284	0.185185	7_56025148	7_56971231	7_56	0.001	0.9253	4.5
867	35078	22872	19	0.08	17.95	0.178178	0.119119	5_100037065	5_100814675	5_100	0.001	0.9252	4.48
2034	43926	27299	30	0.08	18.03	0.286286	0.175175	14_111089602	14_111970799	14_111	0.001	0.923	4.44
1555	34294	25349	24	0.08	18.11	0.213213	0.142142	11_3313496	11_3991836	11_3	0.001	0.9236	4.43
588	21527	3257	29	0.08	18.19	0.223223	0.145145	3_110005181	3_110998569	3_110	0.001	0.9241	4.43
1633	38630	25654	34	0.08	18.27	0.306306	0.195195	11_81016745	11_81997858	11_81	0.001	0.924	4.42
1324	24449	24456	26	0.08	18.35	0.235235	0.161161	9_4014490	9_4990218	9_4	0.001	0.9246	4.42
1090	37937	52186	34	0.08	18.43	0.298298	0.187187	7_53018942	7_53981796	7_53	0.001	0.9247	4.41
742	4366	22338	27	0.08	18.51	0.246246	0.169169	4_119022315	4_119974157	4_119	0.001	0.9251	4.4
1328	49162	24474	22	0.08	18.59	0.195195	0.128128	9_8047973	9_8994791	9_8	0.001	0.9254	4.39
1989	11090	11108	31	0.08	18.67	0.258258	0.164164	14_66049762	14_66992067	14_66	0.001	0.925	4.38
1957	47600	26837	26	0.08	18.75	0.233233	0.161161	14_34028866	14_34991538	14_34	0.001	0.9252	4.37
1935	26683	10686	33	0.08	18.83	0.267267	0.177177	14_12010383	14_12997847	14_12	0.001	0.9253	4.36
1085	6062	32577	26	0.08	18.91	0.229229	0.145145	7_48105743	7_48953568	7_48	0.001	0.9257	4.34
1718	14782	9567	37	0.08	18.99	0.293293	0.189189	13_14054487	13_14975251	13_14	0.001	0.9258	4.34
60	36637	19773	28	0.08	19.07	0.243243	0.16016	1_60022622	1_60987629	1_60	0.001	0.926	4.33
511	30935	2918	18	0.08	19.15	0.172172	0.118118	3_33145490	3_33947247	3_33	0.001	0.9256	4.32
1070	23457	5953	34	0.08	19.23	0.277277	0.207207	7_33017627	7_33991469	7_33	0.001	0.925	4.3
1716	45087	9550	37	0.08	19.3	0.281281	0.175175	13_12004442	13_12986957	13_12	0.001	0.9251	4.29
1476	25011	8213	32	0.08	19.38	0.282282	0.168168	10_2015307	10_2870481	10_2	0.001	0.9255	4.29
2363	13478	13488	33	0.08	19.46	0.266266	0.165165	17_41034762	17_41957670	17_41	0.001	0.9257	4.29
34	275	39857	38	0.08	19.54	0.306306	0.197197	1_34001467	1_34993536	1_34	0.001	0.9259	4.27
947	59771	23021	35	0.08	19.62	0.286286	0.189189	6_68066489	6_68993837	6_68	0.001	0.9261	4.26
2140	12176	12190	21	0.08	19.7	0.209209	0.137137	15_63029841	15_63998627	15_63	0.001	0.9262	4.25
2061	34382	27446	34	0.08	19.77	0.284284	0.18018	14_138031007	14_138987380	14_138	0.001	0.9257	4.24

2373	16275	32952	32	0.08	19.85	0.253253	0.156156	17_51005799	17_51974554	17_51	0.001	0.9258	4.24
2552	52052	29148	14	0.08	19.93	0.141141	0.092092	19_104042870	19_104939296	19_104	0.001	0.9267	4.23
2344	13336	54404	27	0.08	20.01	0.234234	0.136136	17_22009494	17_22937340	17_22	0.001	0.9266	4.22
1682	16358	50592	44	0.08	20.08	0.34034	0.208208	12_42035618	12_42984312	12_42	0.001	0.9266	4.22
1316	29295	19170	43	0.08	20.16	0.334334	0.203203	8_145036187	8_145994240	8_145	0.001	0.9269	4.22
2382	28702	13616	29	0.08	20.24	0.254254	0.167167	17_60017456	17_60992562	17_60	0.001	0.9275	4.21
1078	6014	6023	27	0.08	20.32	0.238238	0.15015	7_41004531	7_41984352	7_41	0.001	0.9276	4.2
1330	57942	35967	35	0.08	20.39	0.272272	0.188188	9_10050483	9_10972428	9_10	0.001	0.9271	4.18
2032	49505	11462	30	0.08	20.47	0.244244	0.148148	14_109016085	14_109988613	14_109	0.001	0.926	4.16
2492	48158	49782	30	0.08	20.55	0.24024	0.172172	19_39062455	19_39994318	19_39	0.001	0.9267	4.16
1530	25247	42843	31	0.08	20.62	0.246246	0.162162	10_56024865	10_56998330	10_56	0.001	0.9271	4.16
2079	11871	53733	32	0.08	20.7	0.287287	0.185185	15_2009887	15_2990508	15_2	0.001	0.9275	4.16
954	33596	30815	31	0.08	20.78	0.295295	0.192192	6_75138271	6_75952956	6_75	0.001	0.9277	4.15
302	46407	1927	32	0.08	20.85	0.263263	0.161161	1_302009919	1_302980607	1_302	0.001	0.9283	4.14
481	37250	33526	27	0.08	20.93	0.219219	0.125125	3_3029529	3_3936783	3_3	0.001	0.9284	4.13
554	37294	15024	20	0.08	21.01	0.195195	0.117117	3_76044809	3_76994672	3_76	0.001	0.9292	4.13
1544	8576	53828	33	0.08	21.08	0.281281	0.176176	10_70020888	10_70904101	10_70	0.001	0.9298	4.12
498	31622	21277	32	0.08	21.16	0.297297	0.183183	3_20058173	3_20983778	3_20	0.001	0.9302	4.12
764	41334	4564	27	0.08	21.23	0.248248	0.155155	4_141117946	4_141966625	4_141	0.001	0.9299	4.1
504	61170	18828	32	0.08	21.31	0.278278	0.176176	3_26002460	3_26978899	3_26	0.001	0.93	4.09
1074	23489	5987	34	0.08	21.38	0.273273	0.179179	7_37026669	7_37967748	7_37	0.001	0.9295	4.08
951	60140	17969	24	0.08	21.46	0.228228	0.147147	6_72055444	6_72949935	6_72	0.001	0.9289	4.06
1630	25634	47412	30	0.07	21.53	0.278278	0.174174	11_78000180	11_78952414	11_78	0.001	0.9289	4.05
470	33029	32699	39	0.07	21.61	0.313313	0.205205	2_155011592	2_155939920	2_155	0.001	0.9289	4.05
2309	13096	13106	32	0.07	21.68	0.271271	0.166166	16_74053569	16_74982852	16_74	0.001	0.9291	4.04
1174	31570	24030	26	0.07	21.76	0.221221	0.15015	8_3027824	8_3982853	8_3	0.001	0.9291	4.03
960	45681	48918	30	0.07	21.83	0.255255	0.171171	6_81021081	6_81987568	6_81	0.001	0.9285	4.02
757	41307	58188	32	0.07	21.91	0.283283	0.17017	4_134029125	4_134976773	4_134	0.001	0.929	4.01
400	37125	40589	30	0.07	21.98	0.253253	0.162162	2_85036318	2_85956326	2_85	0.001	0.9288	4
472	18404	2779	37	0.07	22.06	0.332332	0.204204	2_157004735	2_157957344	2_157	0.001	0.9289	4
1952	52661	43688	32	0.07	22.13	0.249249	0.156156	14_29004529	14_29985434	14_29	0.001	0.9283	3.98
1247	50137	7117	31	0.07	22.21	0.267267	0.179179	8_76109453	8_76977941	8_76	0.001	0.9288	3.97
2024	39109	47718	21	0.07	22.28	0.201201	0.135135	14_101124119	14_101995631	14_101	0.001	0.9284	3.96
483	52620	48594	31	0.07	22.36	0.262262	0.164164	3_5004645	3_5897010	3_5	0.001	0.9284	3.96
2490	53138	29090	16	0.07	22.43	0.157157	0.118118	19_37029211	19_37990102	19_37	0.001	0.9289	3.96

1642	43103	30214	25	0.07	22.5	0.209209	0.125125	12_2065310	12_2979580	12_2	0.001	0.9295	3.95
1092	56408	51854	34	0.07	22.58	0.275275	0.184184	7_55030156	7_55985056	7_55	0.001	0.9294	3.95
1051	37863	5807	28	0.07	22.65	0.232232	0.155155	7_14059560	7_14901075	7_14	0.001	0.9293	3.94
2272	61969	28200	24	0.07	22.73	0.214214	0.135135	16_37039866	16_37966104	16_37	0.001	0.9298	3.93
1055	5833	5843	32	0.07	22.8	0.241241	0.151151	7_18009952	7_18984509	7_18	0.001	0.9298	3.93
436	21064	21074	35	0.07	22.88	0.273273	0.174174	2_121032595	2_121991931	2_121	0.001	0.9301	3.93
351	57275	37093	23	0.07	22.95	0.18018	0.126126	2_35054445	2_35962897	2_35	0.001	0.9303	3.92
1189	24087	58423	33	0.07	23.02	0.283283	0.191191	8_18001094	8_18974551	8_18	0.001	0.93	3.91
1314	7432	34330	33	0.07	23.1	0.288288	0.179179	8_143011607	8_143998135	8_143	0.001	0.9299	3.9
1246	52937	7109	25	0.07	23.17	0.235235	0.152152	8_75063893	8_75981660	8_75	0.001	0.9299	3.89
737	4304	4323	33	0.07	23.24	0.301301	0.187187	4_114013243	4_114969990	4_114	0.001	0.9301	3.89
1750	26109	9793	24	0.07	23.32	0.235235	0.138138	13_46015081	13_46975890	13_46	0.001	0.9301	3.88
439	15493	54534	30	0.07	23.39	0.25025	0.164164	2_124021778	2_124984584	2_124	0.001	0.9306	3.88
1044	37848	23298	27	0.07	23.46	0.235235	0.153153	7_7001964	7_7981170	7_7	0.001	0.9309	3.88
540	29679	52501	26	0.07	23.54	0.224224	0.149149	3_62059336	3_62994493	3_62	0.001	0.9317	3.88
898	22948	5282	22	0.07	23.61	0.201201	0.127127	6_19002312	6_19952347	6_19	0.001	0.9318	3.87
2345	28486	48036	25	0.07	23.68	0.197197	0.122122	17_23024619	17_23961801	17_23	0.001	0.9317	3.87
1664	25781	45651	31	0.07	23.76	0.256256	0.158158	12_24025660	12_24979525	12_24	0.001	0.932	3.87
1620	9035	25582	31	0.07	23.83	0.27027	0.181181	11_68089906	11_68982930	11_68	0.001	0.9319	3.85
874	58913	41588	30	0.07	23.9	0.276276	0.183183	5_107002379	5_107978337	5_107	0.001	0.9322	3.84
2065	11741	11750	25	0.07	23.98	0.235235	0.156156	14_142014167	14_142951787	14_142	0.001	0.9328	3.84
1190	32735	24097	36	0.07	24.05	0.271271	0.173173	8_19014542	8_19969058	8_19	0.001	0.9325	3.83
29	224	227	31	0.07	24.12	0.267267	0.16016	1_29026999	1_29949287	1_29	0.001	0.9324	3.82
58	36632	39914	33	0.07	24.2	0.279279	0.165165	1_58006061	1_58990256	1_58	0.001	0.9335	3.83
1042	41768	5734	31	0.07	24.27	0.268268	0.176176	7_5020698	7_5975746	7_5	0.001	0.9334	3.82
1200	6915	57731	26	0.07	24.34	0.236236	0.161161	8_29026480	8_29990918	8_29	0.001	0.9336	3.82
1164	23981	23992	29	0.07	24.41	0.25025	0.159159	7_128019403	7_128999444	7_128	0.001	0.9342	3.81
2590	31214	14353	18	0.07	24.49	0.123123	0.097097	19_142000976	19_142984588	19_142	0.001	0.9342	3.81
1998	27107	11179	28	0.07	24.56	0.224224	0.139139	14_75048108	14_75991444	14_75	0.001	0.9339	3.8
973	18094	41675	22	0.07	24.63	0.199199	0.131131	6_94015473	6_94838066	6_94	0.001	0.9339	3.8
1667	9300	25792	31	0.07	24.7	0.277277	0.167167	12_27013251	12_27972588	12_27	0.001	0.9339	3.8
768	29255	41348	27	0.07	24.78	0.232232	0.156156	5_1007763	5_1981830	5_1	0.001	0.9345	3.79
1631	9121	59190	25	0.07	24.85	0.24024	0.141141	11_79016735	11_79920806	11_79	0.001	0.9348	3.79
30	19613	31537	35	0.07	24.92	0.29029	0.174174	1_30017551	1_30978281	1_30	0.001	0.9345	3.78
2406	53817	61408	23	0.07	24.99	0.221221	0.156156	18_14053458	18_14934067	18_14	0.001	0.9346	3.77

1705	43234	25916	22	0.07	25.06	0.196196	0.128128	13_1022508	13_1982864	13_1	0.001	0.9351	3.77
1107	23672	23687	27	0.07	25.14	0.233233	0.152152	7_70000093	7_70954287	7_70	0.001	0.9354	3.76
752	4447	4457	28	0.07	25.21	0.27027	0.165165	4_129016956	4_129991207	4_129	0.001	0.936	3.76
36	39862	308	38	0.07	25.28	0.282282	0.175175	1_36021536	1_36976294	1_36	0.001	0.9362	3.75
1698	43220	33169	26	0.07	25.35	0.213213	0.146146	12_58042164	12_58992046	12_58	0.001	0.9366	3.75
732	50660	22279	31	0.07	25.42	0.262262	0.174174	4_109015657	4_109969089	4_109	0.001	0.9366	3.74
144	55775	20103	21	0.07	25.49	0.177177	0.116116	1_144001096	1_144941329	1_144	0.001	0.937	3.74
1358	7645	7660	35	0.07	25.57	0.278278	0.203203	9_38006578	9_38993114	9_38	0.001	0.9369	3.74
2317	44476	28376	38	0.07	25.64	0.307307	0.196196	16_82017160	16_82981442	16_82	0.001	0.9369	3.73
1936	10687	38982	27	0.07	25.71	0.214214	0.139139	14_13030843	14_13982953	14_13	0.001	0.9368	3.73
2208	16001	58144	32	0.07	25.78	0.252252	0.176176	15_131030369	15_131996123	15_131	0.001	0.9371	3.73
2267	39421	12836	30	0.07	25.85	0.239239	0.149149	16_32024005	16_32979912	16_32	0.001	0.9369	3.72
636	41007	3514	29	0.07	25.92	0.252252	0.164164	4_13008743	4_13903080	4_13	0.001	0.9372	3.71
489	52392	2817	36	0.07	25.99	0.29029	0.194194	3_11054114	3_11960567	3_11	0.001	0.9374	3.71
744	22346	41275	34	0.07	26.06	0.254254	0.169169	4_121010319	4_121989854	4_121	0.001	0.9379	3.7
1160	49073	14910	29	0.07	26.14	0.232232	0.15015	7_124018132	7_124941962	7_124	0.001	0.938	3.7
2077	31605	11886	21	0.07	26.21	0.188188	0.132132	15_4535	15_993283	15_0	0.001	0.9381	3.7
1260	60446	7160	21	0.07	26.28	0.174174	0.117117	8_89162153	8_89981457	8_89	0.001	0.9384	3.69
784	56684	48832	29	0.07	26.35	0.257257	0.163163	5_17055970	5_17949392	5_17	0.001	0.9388	3.69
10	58158	61852	32	0.07	26.42	0.268268	0.155155	1_10010333	1_10949247	1_10	0.001	0.9386	3.68
1951	10819	49467	35	0.07	26.49	0.296296	0.195195	14_28021727	14_28972892	14_28	0.001	0.9383	3.68
836	22766	16572	36	0.07	26.56	0.264264	0.186186	5_69012014	5_69897370	5_69	0.001	0.9385	3.67
505	29633	21295	28	0.07	26.63	0.237237	0.147147	3_27041644	3_27988181	3_27	0.001	0.9386	3.67
2009	11258	35673	21	0.07	26.7	0.201201	0.132132	14_86073571	14_86979241	14_86	0.001	0.9382	3.66
1939	31367	26720	31	0.07	26.77	0.25025	0.171171	14_16009830	14_16993535	14_16	0.001	0.9382	3.66
645	53331	3610	28	0.07	26.84	0.244244	0.145145	4_22012168	4_22978568	4_22	0.001	0.9382	3.65
2241	59592	28090	35	0.07	26.91	0.261261	0.158158	16_6013914	16_6989080	16_6	0.001	0.9383	3.65
1161	49076	23969	30	0.07	26.98	0.256256	0.16016	7_125008742	7_125986792	7_125	0.001	0.9384	3.65
1485	50926	25069	31	0.07	27.05	0.266266	0.159159	10_11045137	10_11986190	10_11	0.001	0.9385	3.64
939	18379	14676	29	0.07	27.12	0.228228	0.158158	6_60051563	6_60993805	6_60	0.001	0.9387	3.64
632	21742	3476	26	0.07	27.19	0.227227	0.15015	4_9005118	4_9946393	4_9	0.001	0.9386	3.64
892	45319	18258	27	0.07	27.27	0.251251	0.154154	6_13006700	6_13977172	6_13	0.001	0.9389	3.63
1381	42570	24702	28	0.07	27.34	0.271271	0.167167	9_61003307	9_61986456	9_61	0.001	0.9394	3.63
2362	35513	44612	17	0.07	27.41	0.161161	0.11011	17_40081486	17_40996438	17_40	0.001	0.9398	3.63
1528	61080	15089	23	0.07	27.48	0.226226	0.135135	10_54096851	10_54960155	10_54	0.001	0.9402	3.63

1243	57506	24214	13	0.07	27.55	0.109109	0.084084	8_72077897	8_72893479	8_72	0.001	0.9395	3.61
754	4472	4484	26	0.07	27.62	0.213213	0.135135	4_131001920	4_131918945	4_131	0.001	0.9397	3.6
1264	33341	56846	36	0.07	27.69	0.287287	0.184184	8_93062852	8_93956344	8_93	0.001	0.9398	3.6
9	39769	75	28	0.07	27.76	0.231231	0.134134	1_9151288	1_9984842	1_9	0.001	0.9399	3.59
2087	39210	27582	23	0.07	27.83	0.226226	0.149149	15_10038766	15_10975125	15_10	0.001	0.9398	3.59
2255	44339	30785	33	0.07	27.9	0.249249	0.148148	16_20018423	16_20966185	16_20	0.001	0.9403	3.59
2359	44589	44602	28	0.07	27.96	0.221221	0.163163	17_37018486	17_37982038	17_37	0.001	0.9401	3.58
834	51848	4950	32	0.07	28.03	0.28028	0.181181	5_67063213	5_67994769	5_67	0.001	0.9402	3.58
1347	7606	33018	26	0.07	28.1	0.232232	0.153153	9_27001512	9_27995647	9_27	0.001	0.9407	3.58
1245	7096	56258	23	0.07	28.17	0.231231	0.138138	8_74017045	8_74976900	8_74	0.001	0.9402	3.56
625	54334	21676	23	0.07	28.24	0.182182	0.113113	4_2035615	4_2990838	4_2	0.001	0.9406	3.56
1368	7693	7706	32	0.07	28.31	0.241241	0.153153	9_48020021	9_48972341	9_48	0.001	0.9408	3.56
1635	25663	60061	26	0.07	28.38	0.237237	0.152152	11_83011472	11_83976808	11_83	0.001	0.9411	3.56
268	60483	1693	31	0.07	28.45	0.255255	0.165165	1_268014122	1_268986440	1_268	0.001	0.941	3.56
639	3531	16086	38	0.07	28.52	0.335335	0.198198	4_16001400	4_16995545	4_16	0.001	0.9413	3.55
1941	10745	10730	24	0.07	28.59	0.218218	0.156156	14_18052581	14_18990098	14_18	0.001	0.941	3.54
640	17151	34932	32	0.07	28.66	0.282282	0.189189	4_17033119	4_17975684	4_17	0.001	0.9411	3.54
2212	27983	12553	33	0.07	28.73	0.248248	0.156156	15_135059821	15_135999617	15_135	0.001	0.941	3.54
1536	59203	58479	29	0.07	28.8	0.252252	0.165165	10_62022807	10_62976922	10_62	0.001	0.941	3.53
185	1202	40165	32	0.07	28.86	0.244244	0.135135	1_185048329	1_185965822	1_185	0.001	0.9411	3.53
534	53018	56376	23	0.07	28.93	0.213213	0.135135	3_56005947	3_56950047	3_56	0.001	0.9409	3.52
2352	61285	50865	27	0.07	29	0.234234	0.135135	17_30009989	17_30994140	17_30	0.001	0.942	3.52
1740	43305	43310	29	0.07	29.07	0.234234	0.161161	13_36016140	13_36964009	13_36	0.001	0.9428	3.51
450	32857	29616	35	0.07	29.14	0.271271	0.167167	2_135007186	2_135935412	2_135	0.001	0.9429	3.51
309	56395	1963	25	0.07	29.21	0.232232	0.152152	1_309037070	1_309932123	1_309	0.001	0.9431	3.51
2014	43877	43878	19	0.07	29.27	0.186186	0.121121	14_91013066	14_91762659	14_91	0.001	0.9427	3.5
835	22760	48846	29	0.07	29.34	0.27027	0.162162	5_68011832	5_68998629	5_68	0.001	0.9434	3.5
528	55209	34822	21	0.07	29.41	0.202202	0.124124	3_50118060	3_50856818	3_50	0.001	0.9434	3.49
2355	13423	49666	29	0.07	29.48	0.245245	0.144144	17_33009145	17_33993354	17_33	0.001	0.9433	3.49
758	41310	34359	29	0.07	29.55	0.258258	0.159159	4_135010909	4_135982856	4_135	0.001	0.9436	3.49
1763	17218	26152	38	0.07	29.62	0.307307	0.184184	13_59015422	13_59941517	13_59	0.001	0.9436	3.49
861	5106	5116	28	0.07	29.68	0.239239	0.142142	5_94018164	5_94958858	5_94	0.001	0.9438	3.48
1488	15962	31220	23	0.07	29.75	0.197197	0.114114	10_14031320	10_14993971	10_14	0.001	0.9439	3.48
1133	23805	59484	25	0.07	29.82	0.22022	0.143143	7_97036575	7_97981809	7_97	0.001	0.9437	3.47
760	60100	4539	33	0.07	29.89	0.255255	0.161161	4_137017974	4_137950544	4_137	0.001	0.9438	3.47

1457	8091	8104	34	0.07	29.95	0.279279	0.18018	9_137007027	9_137947776	9_137	0.001	0.9437	3.47
1348	32410	59968	41	0.07	30.02	0.32032	0.204204	9_28035750	9_28998609	9_28	0.001	0.9441	3.47
718	46728	56180	34	0.07	30.09	0.285285	0.194194	4_95000157	4_95988078	4_95	0.001	0.9441	3.47
2037	34461	27313	23	0.07	30.15	0.22022	0.14014	14_114007859	14_114987900	14_114	0.001	0.9429	3.45
1372	29331	49183	22	0.07	30.22	0.183183	0.102102	9_52065210	9_52973032	9_52	0.001	0.9432	3.45
730	52513	35537	30	0.07	30.29	0.23023	0.139139	4_107002176	4_107959349	4_107	0.001	0.9432	3.45
2053	61369	27393	24	0.07	30.36	0.219219	0.14014	14_130079124	14_130962219	14_130	0.001	0.9433	3.44
1331	7522	7528	31	0.07	30.42	0.273273	0.163163	9_11012156	9_11997728	9_11	0.001	0.9433	3.44
613	40955	30011	31	0.07	30.49	0.272272	0.161161	3_135011301	3_135940918	3_135	0.001	0.9437	3.43
1397	34397	7834	20	0.07	30.56	0.183183	0.125125	9_77019488	9_77970228	9_77	0.001	0.9437	3.43
432	2541	2549	26	0.07	30.62	0.226226	0.151151	2_117038311	2_117962577	2_117	0.001	0.9437	3.43
1492	25101	57818	28	0.07	30.69	0.23023	0.147147	10_18001886	10_18973140	10_18	0.001	0.9437	3.43
1653	25745	45545	33	0.07	30.76	0.293293	0.19019	12_13007194	12_13901807	12_13	0.001	0.9438	3.43
1263	7178	42323	34	0.07	30.82	0.278278	0.171171	8_92067978	8_92963940	8_92	0.001	0.9439	3.42
2447	18489	19199	24	0.07	30.89	0.216216	0.14014	18_55026793	18_55963572	18_55	0.001	0.9443	3.42
1760	47450	9861	26	0.07	30.96	0.238238	0.137137	13_56018886	13_56933573	13_56	0.001	0.9445	3.41
2379	28680	28687	33	0.07	31.02	0.257257	0.15015	17_57039720	17_57942798	17_57	0.001	0.9444	3.41
1533	60045	32115	30	0.07	31.09	0.266266	0.168168	10_59082877	10_59954227	10_59	0.001	0.9444	3.4
1014	46941	5609	19	0.07	31.16	0.17017	0.106106	6_135074196	6_135878484	6_135	0.001	0.9447	3.4
1369	24652	33877	29	0.07	31.22	0.216216	0.139139	9_49030981	9_49997890	9_49	0.001	0.9449	3.4
886	5242	5251	34	0.07	31.29	0.27027	0.162162	6_7000417	6_7943484	6_7	0.001	0.9451	3.4
2349	13377	13386	21	0.07	31.35	0.178178	0.115115	17_27035671	17_27855668	17_27	0.001	0.9452	3.4
946	34221	45175	32	0.07	31.42	0.26026	0.169169	6_67024466	6_67975744	6_67	0.001	0.9451	3.39
1202	6931	37353	27	0.07	31.49	0.245245	0.158158	8_31034477	8_31972646	8_31	0.001	0.9452	3.39
1749	38737	9783	26	0.07	31.55	0.257257	0.151151	13_45053798	13_45985901	13_45	0.001	0.9451	3.38
2217	49597	12580	31	0.07	31.62	0.284284	0.169169	15_140007776	15_140944699	15_140	0.001	0.9454	3.38
1039	52963	23259	27	0.07	31.68	0.226226	0.138138	7_2034057	7_2936612	7_2	0.001	0.9455	3.38
11	45674	39779	30	0.07	31.75	0.244244	0.153153	1_11012998	1_11945736	1_11	0.001	0.9455	3.37
1938	26709	61669	30	0.07	31.82	0.264264	0.164164	14_15020070	14_15993135	14_15	0.001	0.9455	3.37
503	19654	31842	23	0.07	31.88	0.197197	0.123123	3_25018550	3_25990903	3_25	0.001	0.9456	3.36
283	20534	40334	33	0.07	31.95	0.247247	0.165165	1_283010283	1_283959003	1_283	0.001	0.9456	3.35
1313	17875	50899	28	0.07	32.01	0.22022	0.149149	8_142117695	8_142950987	8_142	0.001	0.9458	3.35
915	14585	32592	16	0.07	32.08	0.165165	0.096096	6_36106926	6_36964748	6_36	0.001	0.9459	3.35
2386	55455	49703	39	0.07	32.14	0.315315	0.184184	17_64009869	17_64997324	17_64	0.001	0.946	3.34
2027	27255	11416	30	0.07	32.21	0.264264	0.161161	14_104029253	14_104954378	14_104	0.001	0.9458	3.34

1077	62009	41903	33	0.07	32.28	0.265265	0.171171	7_40007647	7_40992238	7_40	0.001	0.9461	3.34
658	21908	41054	27	0.07	32.34	0.209209	0.143143	4_35008828	4_35896350	4_35	0.001	0.9464	3.33
746	37493	4409	42	0.07	32.41	0.305305	0.192192	4_123019301	4_123983260	4_123	0.001	0.9463	3.33
1346	52819	30658	32	0.07	32.47	0.259259	0.166166	9_26005437	9_26987809	9_26	0.001	0.9467	3.33
1992	27075	39049	28	0.07	32.54	0.235235	0.137137	14_69015482	14_69980983	14_69	0.001	0.9464	3.32
1148	6579	6588	19	0.07	32.6	0.18018	0.124124	7_112053041	7_112991344	7_112	0.001	0.9466	3.32
2227	31461	31910	39	0.07	32.67	0.316316	0.175175	15_150020921	15_150963456	15_150	0.001	0.9467	3.32
1179	14449	6790	16	0.07	32.73	0.139139	0.104104	8_8145247	8_8993808	8_8	0.001	0.9463	3.31
1625	14740	43042	37	0.07	32.8	0.272272	0.164164	11_73002067	11_73978500	11_73	0.001	0.9466	3.31
653	3655	3663	24	0.07	32.86	0.21021	0.145145	4_30026623	4_30990527	4_30	0.001	0.9467	3.31
541	35473	37273	27	0.07	32.93	0.219219	0.138138	3_63016890	3_63964964	3_63	0.001	0.947	3.31
972	58007	56126	28	0.06	32.99	0.223223	0.143143	6_93012456	6_93942039	6_93	0.001	0.9469	3.3
1647	58634	33422	30	0.06	33.06	0.25025	0.163163	12_7009507	12_7976640	12_7	0.001	0.9471	3.3
611	30377	50036	29	0.06	33.12	0.239239	0.144144	3_133094186	3_133992535	3_133	0.001	0.9472	3.29
1735	38727	45082	24	0.06	33.19	0.188188	0.124124	13_31070091	13_31969896	13_31	0.001	0.9473	3.29
1288	7293	7305	29	0.06	33.25	0.219219	0.143143	8_117017825	8_117981832	8_117	0.001	0.9471	3.29
328	2029	35259	38	0.06	33.32	0.296296	0.191191	2_12047540	2_12999985	2_12	0.001	0.9471	3.29
1966	26893	26901	26	0.06	33.38	0.227227	0.144144	14_43015985	14_43990421	14_43	0.002	0.9465	3.28
48	374	19715	22	0.06	33.45	0.199199	0.14014	1_48013733	1_48925115	1_48	0.002	0.9464	3.27
2026	27250	58170	20	0.06	33.51	0.16016	0.109109	14_103045309	14_103936269	14_103	0.002	0.9457	3.26
1646	48323	29730	39	0.06	33.58	0.303303	0.191191	12_6120038	12_6998897	12_6	0.002	0.9457	3.25
2347	13361	61623	25	0.06	33.64	0.208208	0.127127	17_25073964	17_25894376	17_25	0.002	0.9456	3.25
1738	18534	26069	25	0.06	33.71	0.228228	0.17017	13_34112306	13_34993798	13_34	0.002	0.9455	3.24
24	50659	197	33	0.06	33.77	0.268268	0.16016	1_24006028	1_24953606	1_24	0.002	0.9461	3.24
1459	24933	36226	36	0.06	33.84	0.278278	0.172172	9_139005603	9_139976454	9_139	0.002	0.9461	3.24
1458	8103	24932	34	0.06	33.9	0.296296	0.175175	9_138014373	9_138986678	9_138	0.002	0.9461	3.24
459	16843	31979	37	0.06	33.96	0.302302	0.188188	2_144000942	2_144958040	2_144	0.002	0.9464	3.24
1697	14997	9441	30	0.06	34.03	0.269269	0.18018	12_57002739	12_57950908	12_57	0.002	0.9468	3.24
1205	60701	53391	29	0.06	34.09	0.206206	0.129129	8_34026040	8_34996041	8_34	0.002	0.9469	3.24
1954	47592	10856	31	0.06	34.16	0.276276	0.171171	14_31036695	14_31983579	14_31	0.002	0.9466	3.23
1629	25626	25633	36	0.06	34.22	0.276276	0.155155	11_77015017	11_77964900	11_77	0.002	0.9468	3.23
1384	56775	56245	23	0.06	34.29	0.188188	0.126126	9_64024041	9_64983107	9_64	0.002	0.9471	3.23
612	15104	21645	25	0.06	34.35	0.196196	0.125125	3_134008198	3_134990636	3_134	0.002	0.9471	3.22
2497	44927	30069	14	0.06	34.42	0.121121	0.088088	19_44092699	19_44988606	19_44	0.002	0.9473	3.21
1576	8755	8764	30	0.06	34.48	0.266266	0.172172	11_24007939	11_24974538	11_24	0.002	0.9475	3.21

502	33625	15928	24	0.06	34.54	0.224224	0.141141	3_24010664	3_24976420	3_24	0.002	0.9476	3.21
301	40386	40397	31	0.06	34.61	0.267267	0.174174	1_301003643	1_301983854	1_301	0.002	0.9477	3.2
1383	24709	58649	21	0.06	34.67	0.171171	0.122122	9_63029187	9_63978822	9_63	0.002	0.948	3.2
426	60980	37178	27	0.06	34.73	0.211211	0.135135	2_111019898	2_111947482	2_111	0.002	0.948	3.2
1064	23420	23424	28	0.06	34.8	0.226226	0.158158	7_27019705	7_27999311	7_27	0.002	0.9481	3.2
860	19256	5107	25	0.06	34.86	0.234234	0.149149	5_93029076	5_93996098	5_93	0.002	0.9486	3.19
897	49937	5274	38	0.06	34.92	0.286286	0.173173	6_18019907	6_18982722	6_18	0.002	0.9487	3.19
1197	24112	47190	24	0.06	34.99	0.219219	0.148148	8_26012508	8_26961266	8_26	0.002	0.9489	3.19
2042	27333	43955	12	0.06	35.05	0.132132	0.085085	14_119011148	14_119983210	14_119	0.002	0.9479	3.17
100	19961	766	23	0.06	35.11	0.21021	0.133133	1_100021690	1_100995739	1_100	0.002	0.9482	3.17
545	54159	31836	25	0.06	35.18	0.251251	0.167167	3_67011470	3_67954066	3_67	0.002	0.9482	3.17
421	17823	55280	18	0.06	35.24	0.159159	0.106106	2_106206301	2_106982661	2_106	0.002	0.9483	3.17
1540	14859	25303	25	0.06	35.3	0.231231	0.151151	10_66020622	10_66971701	10_66	0.002	0.9484	3.16
2003	27127	11219	29	0.06	35.37	0.231231	0.14014	14_80010535	14_80976085	14_80	0.002	0.9482	3.16
1186	56317	24076	32	0.06	35.43	0.268268	0.166166	8_15012662	8_15992070	8_15	0.002	0.9482	3.16
2351	13393	39515	26	0.06	35.49	0.23023	0.144144	17_29081895	17_29964161	17_29	0.002	0.9485	3.16
1650	25726	53234	23	0.06	35.56	0.222222	0.14014	12_10017988	12_10938363	12_10	0.002	0.9488	3.16
1071	5954	46984	29	0.06	35.62	0.253253	0.155155	7_34026230	7_34978383	7_34	0.002	0.9488	3.15
1066	35927	5911	26	0.06	35.68	0.234234	0.152152	7_29040724	7_29987393	7_29	0.002	0.9488	3.15
1733	9684	9690	33	0.06	35.74	0.255255	0.158158	13_29002222	13_29980015	13_29	0.002	0.9489	3.15
1865	26437	43503	24	0.06	35.81	0.235235	0.167167	13_161008278	13_161962013	13_161	0.002	0.9491	3.15
998	35291	15499	32	0.06	35.87	0.263263	0.166166	6_119079398	6_119994720	6_119	0.002	0.9491	3.15
1204	6944	6946	25	0.06	35.93	0.191191	0.117117	8_33033004	8_33985796	8_33	0.002	0.9491	3.14
656	52078	3692	29	0.06	35.99	0.243243	0.147147	4_33016884	4_33955625	4_33	0.002	0.9493	3.14
1129	6407	23771	28	0.06	36.05	0.261261	0.164164	7_93005460	7_93885374	7_93	0.002	0.9493	3.14
1666	55925	43162	27	0.06	36.12	0.223223	0.141141	12_26022727	12_26969612	12_26	0.002	0.9493	3.14
803	61241	22675	26	0.06	36.18	0.231231	0.142142	5_36115758	5_36973186	5_36	0.002	0.9494	3.13
1648	25713	25719	39	0.06	36.24	0.295295	0.199199	12_8013844	12_8987734	12_8	0.002	0.9494	3.13
13	39783	19509	31	0.06	36.3	0.264264	0.157157	1_13005744	1_13972300	1_13	0.002	0.9494	3.13
1455	24905	8082	29	0.06	36.36	0.249249	0.165165	9_135034104	9_135899713	9_135	0.002	0.9496	3.13
974	60765	55766	23	0.06	36.43	0.219219	0.141141	6_95085460	6_95959657	6_95	0.002	0.9495	3.13
2356	13429	44578	27	0.06	36.49	0.225225	0.149149	17_34032332	17_34975107	17_34	0.002	0.9495	3.12
2389	44718	28759	30	0.06	36.55	0.238238	0.164164	17_67014254	17_67991230	17_67	0.002	0.9495	3.12
366	32305	31301	24	0.06	36.61	0.219219	0.136136	2_50036228	2_50999217	2_50	0.002	0.95	3.12
644	3583	37400	36	0.06	36.67	0.301301	0.187187	4_21086107	4_21990523	4_21	0.002	0.95	3.12

2449	29007	14015	20	0.06	36.73	0.173173	0.115115	18_57033078	18_57957917	18_57	0.002	0.95	3.11
452	2669	21148	31	0.06	36.79	0.254254	0.159159	2_137046877	2_137986855	2_137	0.002	0.9501	3.11
1158	42143	49072	17	0.06	36.86	0.18018	0.108108	7_122018910	7_122910008	7_122	0.002	0.9503	3.11
1327	7496	57828	37	0.06	36.92	0.279279	0.175175	9_7010644	9_7987695	9_7	0.002	0.9504	3.11
952	29480	23030	22	0.06	36.98	0.209209	0.12012	6_73127988	6_73980831	6_73	0.002	0.9502	3.1
1754	30265	38788	16	0.06	37.04	0.153153	0.089089	13_50015957	13_50853035	13_50	0.002	0.9501	3.1
1023	5657	16282	21	0.06	37.1	0.183183	0.124124	6_144026033	6_144977414	6_144	0.002	0.9504	3.09
1310	38197	39652	36	0.06	37.16	0.291291	0.173173	8_139013496	8_139970751	8_139	0.002	0.9505	3.09
1795	35327	38815	28	0.06	37.22	0.283283	0.177177	13_91031788	13_91993044	13_91	0.002	0.9505	3.09
1577	8768	34020	32	0.06	37.28	0.276276	0.175175	11_25001589	11_25970861	11_25	0.002	0.9506	3.09
2574	14299	14303	9	0.06	37.35	0.106106	0.068068	19_126033395	19_126992902	19_126	0.002	0.9507	3.08
1655	29638	9253	32	0.06	37.41	0.261261	0.163163	12_15000817	12_15974791	12_15	0.002	0.9506	3.08
756	34031	35791	34	0.06	37.47	0.275275	0.185185	4_133019096	4_133997198	4_133	0.002	0.9507	3.08
1489	36031	42771	26	0.06	37.53	0.219219	0.149149	10_15042704	10_15992149	10_15	0.002	0.9509	3.08
2142	56423	12204	22	0.06	37.59	0.172172	0.115115	15_65014590	15_65866223	15_65	0.002	0.9511	3.07
457	17525	2723	27	0.06	37.65	0.258258	0.162162	2_142053892	2_142924314	2_142	0.002	0.9512	3.07
1522	25211	49249	31	0.06	37.71	0.255255	0.161161	10_48014763	10_48960017	10_48	0.002	0.9512	3.07
1836	51019	10186	22	0.06	37.77	0.187187	0.124124	13_132017643	13_132985654	13_132	0.002	0.9516	3.07
1386	24725	54763	32	0.06	37.83	0.255255	0.137137	9_66001271	9_66941538	9_66	0.002	0.9513	3.07
1017	26600	46943	19	0.06	37.89	0.148148	0.099099	6_138009749	6_138921625	6_138	0.002	0.9515	3.06
2387	61707	13664	29	0.06	37.95	0.267267	0.171171	17_65109674	17_65995368	17_65	0.002	0.9514	3.06
1758	56247	38751	20	0.06	38.01	0.182182	0.125125	13_54028991	13_54983756	13_54	0.002	0.9514	3.06
727	41212	22251	27	0.06	38.07	0.233233	0.156156	4_104027961	4_104999962	4_104	0.002	0.9513	3.06
659	3717	54368	23	0.06	38.13	0.192192	0.117117	4_36005051	4_36930500	4_36	0.002	0.9514	3.05
349	58230	40519	21	0.06	38.19	0.167167	0.102102	2_33011231	2_33982064	2_33	0.002	0.9515	3.05
490	62076	51843	26	0.06	38.25	0.263263	0.179179	3_12001168	3_12944285	3_12	0.002	0.9515	3.05
955	17656	5390	27	0.06	38.31	0.19019	0.128128	6_76056354	6_76948482	6_76	0.002	0.9515	3.04
1969	36069	54351	33	0.06	38.37	0.248248	0.157157	14_46043439	14_46983442	14_46	0.002	0.9513	3.04
1654	61557	49358	29	0.06	38.43	0.261261	0.161161	12_14013189	12_14984702	12_14	0.002	0.9513	3.04
2093	36390	45309	25	0.06	38.49	0.208208	0.12012	15_16070249	15_16953219	15_16	0.002	0.9515	3.04
1035	61205	49847	25	0.06	38.55	0.205205	0.131131	6_156179469	6_156993286	6_156	0.002	0.9513	3.03
893	31738	5262	25	0.06	38.61	0.237237	0.135135	6_14016657	6_14947951	6_14	0.002	0.9513	3.03
741	22325	17379	28	0.06	38.67	0.236236	0.151151	4_118076498	4_118994554	4_118	0.002	0.9512	3.02
1707	49399	16338	30	0.06	38.73	0.241241	0.145145	13_3072331	13_3982402	13_3	0.002	0.9513	3.02
1238	50172	7082	12	0.06	38.79	0.128128	0.092092	8_67026060	8_67911215	8_67	0.002	0.9518	3.02

2020	27213	50842	31	0.06	38.85	0.26026	0.158158	14_97018128	14_97994997	14_97	0.002	0.9518	3.02
1295	7326	7332	21	0.06	38.91	0.184184	0.115115	8_124059371	8_124932778	8_124	0.002	0.9517	3.02
884	30000	37752	30	0.06	38.97	0.232232	0.146146	6_5041803	6_5951885	6_5	0.002	0.9519	3.02
2001	11332	27119	30	0.06	39.03	0.242242	0.15015	14_78011535	14_78995471	14_78	0.002	0.9518	3.01
1575	47339	25448	30	0.06	39.09	0.253253	0.157157	11_23031513	11_23991998	11_23	0.002	0.9521	3.01
41	334	36576	24	0.06	39.15	0.213213	0.136136	1_41017553	1_41894961	1_41	0.002	0.9521	3.01
781	58093	4674	30	0.06	39.21	0.269269	0.164164	5_14008737	5_14863057	5_14	0.002	0.9523	3.01
628	21699	21709	29	0.06	39.27	0.255255	0.149149	4_5006687	4_5985544	4_5	0.002	0.9523	3.01
2221	50825	39364	34	0.06	39.33	0.296296	0.174174	15_144002309	15_144989420	15_144	0.002	0.9524	3.01
1578	19431	42965	27	0.06	39.39	0.263263	0.163163	11_26022055	11_26971685	11_26	0.002	0.9524	3
896	17827	36070	32	0.06	39.44	0.31031	0.185185	6_17189599	6_17980080	6_17	0.002	0.9525	3
2558	61325	14251	16	0.06	39.5	0.119119	0.089089	19_110165834	19_110912743	19_110	0.002	0.9524	3
1201	24131	6930	32	0.06	39.56	0.24024	0.158158	8_30007914	8_30952610	8_30	0.002	0.9526	3
465	17098	31420	41	0.06	39.62	0.313313	0.171171	2_150000460	2_150931547	2_150	0.002	0.9526	3
1438	34121	7990	24	0.06	39.68	0.22022	0.14014	9_118021130	9_118989834	9_118	0.002	0.9527	3
792	50436	4736	27	0.06	39.74	0.244244	0.155155	5_25027517	5_25995235	5_25	0.002	0.9528	3
325	2007	2015	29	0.06	39.8	0.249249	0.161161	2_9098547	2_9987663	2_9	0.002	0.953	3
322	20721	20726	36	0.06	39.86	0.271271	0.18018	2_6018125	2_6998911	2_6	0.002	0.9531	2.99
1106	42008	47066	23	0.06	39.92	0.218218	0.111111	7_69000948	7_69913988	7_69	0.002	0.9534	2.99
305	48495	48498	42	0.06	39.98	0.331331	0.184184	1_305110723	1_305987689	1_305	0.002	0.9535	2.99
1652	25739	38637	25	0.06	40.04	0.205205	0.134134	12_12040820	12_12957003	12_12	0.002	0.9534	2.98
1701	31005	45198	31	0.06	40.1	0.246246	0.147147	12_61042519	12_61949547	12_61	0.002	0.9536	2.98
999	5533	5542	24	0.06	40.15	0.196196	0.118118	6_120008587	6_120983888	6_120	0.002	0.9536	2.98
2456	14641	32232	31	0.06	40.21	0.289289	0.172172	19_3024537	19_3979293	19_3	0.002	0.9537	2.98
4	20	48373	29	0.06	40.27	0.258258	0.168168	1_4022389	1_4979417	1_4	0.002	0.9537	2.98
685	32042	35889	29	0.06	40.33	0.224224	0.146146	4_62027221	4_62973622	4_62	0.002	0.9538	2.98
59	45910	39917	20	0.06	40.39	0.172172	0.106106	1_59033524	1_59964653	1_59	0.002	0.9542	2.98
544	30156	21408	27	0.06	40.45	0.215215	0.132132	3_66040600	3_66993596	3_66	0.002	0.9543	2.98
1123	6350	52211	28	0.06	40.51	0.229229	0.143143	7_87029852	7_87977236	7_87	0.002	0.9542	2.97
1464	31057	8146	31	0.06	40.56	0.247247	0.149149	9_144012153	9_144965956	9_144	0.002	0.9542	2.97
1911	33808	10520	22	0.06	40.62	0.202202	0.131131	13_207108562	13_207935498	13_207	0.002	0.9543	2.97
1335	19264	42460	25	0.06	40.68	0.232232	0.15015	9_15001911	9_15999539	9_15	0.002	0.9546	2.97
469	35662	33975	39	0.06	40.74	0.29029	0.169169	2_154040051	2_154980475	2_154	0.002	0.9549	2.97
35	39858	54559	26	0.06	40.8	0.23023	0.142142	1_35046144	1_35987086	1_35	0.002	0.9548	2.96
738	4324	60684	24	0.06	40.86	0.223223	0.124124	4_115009742	4_115961449	4_115	0.002	0.955	2.96

1944	10762	26755	17	0.06	40.91	0.185185	0.104104	14_21017604	14_21963563	14_21	0.002	0.9548	2.95
2223	49601	44295	27	0.06	40.97	0.23023	0.15015	15_146016611	15_146927575	15_146	0.002	0.955	2.95
1999	11180	39077	29	0.06	41.03	0.239239	0.151151	14_76005264	14_76979840	14_76	0.002	0.9549	2.95
1317	16299	15805	33	0.06	41.09	0.264264	0.166166	8_146042078	8_146958932	8_146	0.002	0.955	2.95
2458	14037	59417	37	0.06	41.15	0.276276	0.163163	19_5061093	19_5997290	19_5	0.002	0.9552	2.95
346	2124	14705	16	0.06	41.2	0.142142	0.087087	2_30141776	2_30999341	2_30	0.002	0.9553	2.95
2459	18441	55592	22	0.06	41.26	0.199199	0.137137	19_6003273	19_6798065	19_6	0.002	0.9553	2.95
1684	43190	9385	21	0.06	41.32	0.171171	0.108108	12_44080140	12_44995728	12_44	0.002	0.9552	2.94
2086	27574	11858	23	0.06	41.38	0.208208	0.133133	15_9026506	15_9997960	15_9	0.002	0.9551	2.94
1125	23743	47120	33	0.06	41.44	0.28028	0.157157	7_89026179	7_89999425	7_89	0.002	0.955	2.94
1734	9691	43291	23	0.06	41.49	0.206206	0.131131	13_30023501	13_30990361	13_30	0.002	0.955	2.93
731	30743	62161	21	0.06	41.55	0.173173	0.103103	4_108032246	4_108995059	4_108	0.002	0.955	2.93
1342	7582	18715	33	0.06	41.61	0.252252	0.155155	9_22008802	9_22985623	9_22	0.002	0.9551	2.93
772	4597	22510	27	0.06	41.67	0.21021	0.141141	5_5011010	5_5995341	5_5	0.002	0.9552	2.93
2108	34926	19281	30	0.06	41.72	0.269269	0.154154	15_31033635	15_31995248	15_31	0.002	0.9553	2.93
2075	51747	11812	20	0.06	41.78	0.209209	0.128128	14_152178755	14_152978092	14_152	0.002	0.9549	2.92
916	45445	18381	31	0.06	41.84	0.242242	0.146146	6_37040339	6_37983742	6_37	0.002	0.9549	2.92
137	20075	51457	29	0.06	41.9	0.24024	0.154154	1_137035325	1_137998037	1_137	0.002	0.955	2.91
1094	6171	41977	31	0.06	41.95	0.246246	0.148148	7_57012925	7_57942612	7_57	0.002	0.955	2.91
1072	5961	23481	21	0.06	42.01	0.193193	0.121121	7_35002839	7_35973567	7_35	0.002	0.9549	2.91
2369	13525	56669	22	0.06	42.07	0.184184	0.117117	17_47086750	17_47981889	17_47	0.002	0.9552	2.9
2439	15130	30144	36	0.06	42.13	0.284284	0.167167	18_47041773	18_47988831	18_47	0.002	0.9553	2.9
751	4435	62066	30	0.06	42.18	0.264264	0.156156	4_128001137	4_128996039	4_128	0.002	0.9553	2.9
2213	12552	44258	28	0.06	42.24	0.23023	0.146146	15_136021602	15_136981095	15_136	0.002	0.9553	2.9
913	40575	14993	18	0.06	42.3	0.181181	0.118118	6_34031908	6_34960452	6_34	0.002	0.9554	2.9
1558	8633	57537	24	0.06	42.36	0.229229	0.133133	11_6056322	11_6988731	11_6	0.002	0.9558	2.9
2388	28744	49711	24	0.06	42.41	0.22022	0.13013	17_66020349	17_66966792	17_66	0.002	0.9557	2.89
1444	38377	47289	27	0.06	42.47	0.208208	0.133133	9_124079367	9_124959430	9_124	0.002	0.9557	2.89
1728	9640	31794	33	0.06	42.53	0.248248	0.164164	13_24026709	13_24969288	13_24	0.002	0.9557	2.89
1721	25983	9603	31	0.06	42.58	0.252252	0.169169	13_17000021	13_17956613	13_17	0.002	0.9557	2.89
2062	27447	11707	28	0.06	42.64	0.262262	0.169169	14_139040157	14_139971668	14_139	0.002	0.9557	2.88
2562	49789	35551	19	0.06	42.7	0.165165	0.107107	19_114259111	19_114972696	19_114	0.002	0.9559	2.88
2137	44164	39270	18	0.06	42.76	0.179179	0.104104	15_60008146	15_60984129	15_60	0.002	0.9559	2.88
304	1935	54002	30	0.06	42.81	0.235235	0.139139	1_304042460	1_304994318	1_304	0.002	0.956	2.88
455	2702	21167	32	0.06	42.87	0.25025	0.16016	2_140002186	2_140996142	2_140	0.002	0.956	2.88

870	5174	14894	24	0.06	42.93	0.229229	0.139139	5_103013980	5_103936081	5_103	0.002	0.956	2.87
1487	8294	34771	36	0.06	42.98	0.282282	0.162162	10_13042978	10_13958065	10_13	0.002	0.956	2.87
344	19353	48275	39	0.06	43.04	0.305305	0.177177	2_28013337	2_28977392	2_28	0.002	0.956	2.87
1124	23731	23742	27	0.06	43.1	0.212212	0.138138	7_88077718	7_88970583	7_88	0.002	0.9558	2.86
303	20647	48493	28	0.06	43.15	0.237237	0.135135	1_303008877	1_303984121	1_303	0.002	0.956	2.86
1649	9211	53205	28	0.06	43.21	0.248248	0.163163	12_9004984	12_9992535	12_9	0.002	0.9562	2.86
1105	6242	37965	21	0.06	43.27	0.206206	0.116116	7_68047313	7_68854659	7_68	0.002	0.9562	2.86
909	5329	22985	27	0.06	43.32	0.209209	0.131131	6_30009402	6_30942669	6_30	0.002	0.9562	2.86
692	22049	41123	26	0.06	43.38	0.184184	0.113113	4_69018203	4_69896058	4_69	0.002	0.9562	2.85
1713	51119	25952	26	0.06	43.44	0.227227	0.141141	13_9056247	13_9889880	13_9	0.002	0.9563	2.85
2315	44471	57102	28	0.06	43.49	0.248248	0.136136	16_80020682	16_80946630	16_80	0.002	0.9564	2.85
2372	13537	28644	29	0.06	43.55	0.242242	0.149149	17_50025811	17_50988229	17_50	0.002	0.9564	2.85
487	59773	31966	23	0.06	43.61	0.219219	0.139139	3_9000666	3_9962466	3_9	0.002	0.9563	2.85
1525	42834	8477	26	0.06	43.66	0.24024	0.147147	10_51028164	10_51975023	10_51	0.002	0.9563	2.85
1736	9705	26055	28	0.06	43.72	0.23023	0.141141	13_32068194	13_32997777	13_32	0.002	0.9563	2.85
433	40646	2557	27	0.06	43.78	0.227227	0.128128	2_118010721	2_118934685	2_118	0.002	0.9563	2.84
1462	45541	42701	28	0.06	43.83	0.222222	0.135135	9_142004595	9_142950929	9_142	0.002	0.9564	2.84
501	2859	31107	27	0.06	43.89	0.249249	0.165165	3_23015607	3_23987557	3_23	0.002	0.9564	2.84
49	19716	392	29	0.06	43.95	0.239239	0.16016	1_49026306	1_49988544	1_49	0.002	0.9563	2.84
464	2743	32331	21	0.06	44	0.208208	0.124124	2_149106718	2_149987258	2_149	0.002	0.9564	2.84
2367	44625	44633	27	0.06	44.06	0.211211	0.122122	17_45002413	17_45985972	17_45	0.002	0.9564	2.83
2294	44419	44425	27	0.06	44.12	0.242242	0.143143	16_59138735	16_59988426	16_59	0.002	0.9566	2.83
1363	15377	38261	32	0.06	44.17	0.262262	0.168168	9_43064592	9_43992201	9_43	0.002	0.9567	2.83
1344	24544	54125	25	0.06	44.23	0.216216	0.144144	9_24011516	9_24695732	9_24	0.002	0.9568	2.83
2314	39478	28358	27	0.06	44.28	0.227227	0.144144	16_79012137	16_79991804	16_79	0.002	0.9568	2.83
1723	25991	34226	29	0.06	44.34	0.233233	0.149149	13_19066947	13_19932514	13_19	0.002	0.9569	2.83
1005	23147	58753	27	0.06	44.4	0.219219	0.137137	6_126023550	6_126991726	6_126	0.002	0.9569	2.82
1945	54961	26760	24	0.06	44.45	0.202202	0.123123	14_22000499	14_22998419	14_22	0.002	0.9567	2.82
1187	38098	31881	29	0.06	44.51	0.236236	0.153153	8_16014162	8_16983112	8_16	0.002	0.9566	2.82
771	48814	58654	24	0.06	44.56	0.193193	0.138138	5_4092291	5_4916323	5_4	0.002	0.957	2.81
1156	57055	6668	28	0.06	44.62	0.22022	0.156156	7_120016852	7_120936305	7_120	0.002	0.957	2.81
2384	49695	39535	25	0.06	44.68	0.198198	0.12012	17_62012263	17_62979104	17_62	0.002	0.9571	2.81
1539	19076	17601	29	0.06	44.73	0.253253	0.142142	10_65022553	10_65996645	10_65	0.002	0.957	2.81
291	1845	1856	27	0.06	44.79	0.229229	0.153153	1_291021694	1_291903522	1_291	0.002	0.9571	2.81
2220	55924	50445	24	0.06	44.84	0.201201	0.132132	15_143021121	15_143987209	15_143	0.002	0.9571	2.8

1506	8380	42798	25	0.06	44.9	0.226226	0.136136	10_32008178	10_32971037	10_32	0.002	0.9571	2.8
3	50179	24	33	0.06	44.95	0.266266	0.162162	1_3008501	1_3977158	1_3	0.002	0.9571	2.8
591	48642	21546	30	0.06	45.01	0.257257	0.134134	3_113053130	3_113993246	3_113	0.002	0.9572	2.8
267	1671	1683	31	0.06	45.07	0.251251	0.159159	1_267026000	1_267994055	1_267	0.002	0.957	2.8
949	18988	41654	33	0.06	45.12	0.274274	0.165165	6_70023840	6_70996798	6_70	0.002	0.957	2.8
1779	26203	51448	24	0.06	45.18	0.2002	0.124124	13_75066887	13_75849184	13_75	0.002	0.957	2.79
1300	15673	17137	23	0.06	45.23	0.218218	0.142142	8_129127706	8_129878095	8_129	0.002	0.9571	2.79
2202	12471	12477	27	0.06	45.29	0.196196	0.119119	15_125026754	15_125988978	15_125	0.002	0.9571	2.79
729	22255	50937	28	0.06	45.34	0.221221	0.16016	4_106018138	4_106907287	4_106	0.002	0.957	2.79
1367	19193	42522	27	0.06	45.4	0.208208	0.124124	9_47035782	9_47967824	9_47	0.002	0.9571	2.79
1732	38724	9683	28	0.06	45.45	0.21021	0.132132	13_28078702	13_28974982	13_28	0.002	0.9572	2.78
1365	42507	49821	34	0.06	45.51	0.274274	0.158158	9_45011963	9_45974573	9_45	0.002	0.9573	2.78
1147	6569	47162	22	0.06	45.56	0.212212	0.112112	7_111019262	7_111972610	7_111	0.002	0.9575	2.78
2268	28176	35962	28	0.06	45.62	0.222222	0.14014	16_33002382	16_33954882	16_33	0.002	0.9574	2.78
1891	38928	10419	23	0.06	45.67	0.204204	0.138138	13_187024787	13_187968272	13_187	0.002	0.9573	2.77
1321	31799	42410	18	0.05	45.73	0.172172	0.114114	9_1120035	9_1707931	9_1	0.002	0.9573	2.77
1927	10598	43606	20	0.05	45.78	0.184184	0.108108	14_4117715	14_4999819	14_4	0.002	0.9573	2.77
1748	36142	26102	20	0.05	45.84	0.173173	0.118118	13_44014547	13_44990551	13_44	0.002	0.9572	2.76
1460	38393	32548	24	0.05	45.89	0.185185	0.124124	9_140003794	9_140971189	9_140	0.002	0.9572	2.76
2427	30201	30921	18	0.05	45.95	0.145145	0.096096	18_35243439	18_35993025	18_35	0.002	0.9575	2.76
1995	27092	43822	29	0.05	46	0.207207	0.137137	14_72010321	14_72950668	14_72	0.002	0.9574	2.76
1546	39669	45537	21	0.05	46.06	0.173173	0.107107	10_72248720	10_72941077	10_72	0.002	0.9576	2.76
2098	44097	11960	27	0.05	46.11	0.228228	0.149149	15_21094100	15_21993474	15_21	0.002	0.9577	2.76
1057	5848	41835	37	0.05	46.17	0.268268	0.152152	7_20072507	7_20985785	7_20	0.002	0.9577	2.76
736	4291	4305	37	0.05	46.22	0.265265	0.171171	4_113016911	4_113982378	4_113	0.002	0.9577	2.76
1016	30067	35315	26	0.05	46.27	0.211211	0.134134	6_137044171	6_137985648	6_137	0.002	0.9578	2.75
2385	13635	49697	24	0.05	46.33	0.212212	0.132132	17_63006246	17_63977352	17_63	0.002	0.9579	2.75
2374	33960	28654	24	0.05	46.38	0.211211	0.141141	17_52023322	17_52970123	17_52	0.002	0.9579	2.75
416	17209	58078	20	0.05	46.44	0.18018	0.126126	2_101065109	2_101995816	2_101	0.002	0.9581	2.75
1153	6633	47173	30	0.05	46.49	0.242242	0.142142	7_117036639	7_117950905	7_117	0.002	0.9581	2.75
715	37473	22171	23	0.05	46.55	0.166166	0.111111	4_92004679	4_92991564	4_92	0.002	0.9581	2.75
1967	52007	26906	25	0.05	46.6	0.216216	0.141141	14_44026768	14_44977107	14_44	0.002	0.9579	2.75
2139	30906	12175	27	0.05	46.66	0.263263	0.157157	15_62033445	15_62990144	15_62	0.002	0.9579	2.74
2271	28190	53481	27	0.05	46.71	0.199199	0.116116	16_36026675	16_36933143	16_36	0.002	0.9579	2.74
248	36945	40255	31	0.05	46.76	0.205205	0.131131	1_248065286	1_248988370	1_248	0.002	0.958	2.74

38	36560	322	31	0.05	46.82	0.279279	0.164164	1_38044337	1_38953492	1_38	0.002	0.9581	2.74
717	4144	4156	27	0.05	46.87	0.243243	0.134134	4_94003968	4_94978683	4_94	0.002	0.9581	2.74
1159	23948	6684	22	0.05	46.93	0.202202	0.124124	7_123132345	7_123997457	7_123	0.002	0.9581	2.74
7	18327	39767	29	0.05	46.98	0.235235	0.155155	1_7149806	1_7983109	1_7	0.002	0.9582	2.74
720	22195	59950	28	0.05	47.04	0.201201	0.123123	4_97012116	4_97993218	4_97	0.002	0.9582	2.73
777	22527	22535	27	0.05	47.09	0.223223	0.14014	5_10080308	5_10947872	5_10	0.002	0.9583	2.73
592	59033	3281	21	0.05	47.14	0.188188	0.121121	3_114049876	3_114951968	3_114	0.002	0.9583	2.73
1984	27028	11061	28	0.05	47.2	0.215215	0.132132	14_61003207	14_61937913	14_61	0.002	0.9583	2.73
1622	25588	51088	20	0.05	47.25	0.198198	0.133133	11_70044668	11_70967934	11_70	0.002	0.9582	2.72
1983	11044	11054	29	0.05	47.31	0.228228	0.139139	14_60106278	14_60939220	14_60	0.002	0.958	2.72
97	19950	39986	26	0.05	47.36	0.192192	0.113113	1_97019667	1_97978461	1_97	0.002	0.9582	2.72
801	16318	4790	35	0.05	47.41	0.259259	0.164164	5_34020463	5_34945860	5_34	0.002	0.9582	2.72
284	55247	19250	28	0.05	47.47	0.189189	0.125125	1_284045369	1_284998024	1_284	0.002	0.9581	2.72
1981	51624	47641	30	0.05	47.52	0.262262	0.162162	14_58002810	14_58984594	14_58	0.002	0.9578	2.71
1061	23410	56644	18	0.05	47.57	0.157157	0.106106	7_24017747	7_24848207	7_24	0.002	0.9578	2.71
2059	27422	11676	30	0.05	47.63	0.219219	0.133133	14_136018609	14_136939847	14_136	0.002	0.9578	2.71
595	45806	3293	26	0.05	47.68	0.22022	0.145145	3_117022370	3_117988230	3_117	0.002	0.9579	2.71
1745	52335	9763	15	0.05	47.74	0.14014	0.086086	13_41087932	13_41820811	13_41	0.002	0.9579	2.71
1568	25413	53591	28	0.05	47.79	0.222222	0.124124	11_16046333	11_16996424	11_16	0.002	0.9579	2.71
434	40657	2564	22	0.05	47.84	0.207207	0.134134	2_119044783	2_119970583	2_119	0.002	0.958	2.71
1765	9894	30145	23	0.05	47.9	0.199199	0.125125	13_61014675	13_61982576	13_61	0.002	0.958	2.71
87	36699	39967	21	0.05	47.95	0.182182	0.116116	1_87012148	1_87852879	1_87	0.002	0.9581	2.7
633	3477	37374	27	0.05	48	0.219219	0.135135	4_10016061	4_10835685	4_10	0.002	0.9581	2.7
868	5163	50582	9	0.05	48.06	0.092092	0.073073	5_101013243	5_101758816	5_101	0.002	0.9582	2.7
1641	29706	49340	16	0.05	48.11	0.155155	0.096096	12_1169606	12_1998701	12_1	0.002	0.9584	2.7
8	19474	19481	31	0.05	48.16	0.268268	0.163163	1_8004890	1_8988180	1_8	0.002	0.9584	2.7
2019	47711	11349	23	0.05	48.22	0.227227	0.133133	14_96103451	14_96986147	14_96	0.002	0.9582	2.69
2445	49749	44830	25	0.05	48.27	0.198198	0.123123	18_53009145	18_53889747	18_53	0.002	0.9581	2.69
1548	53347	51118	14	0.05	48.32	0.121121	0.083083	10_74004427	10_74943049	10_74	0.002	0.9582	2.69
2058	47805	11667	36	0.05	48.38	0.258258	0.146146	14_135016019	14_135991043	14_135	0.002	0.9582	2.69
1632	25641	9142	31	0.05	48.43	0.24024	0.141141	11_80007010	11_80996526	11_80	0.002	0.9583	2.69
888	18733	29842	31	0.05	48.48	0.222222	0.122122	6_9149467	6_9957369	6_9	0.002	0.9585	2.68
767	51890	60972	19	0.05	48.54	0.185185	0.123123	5_144471	5_961240	5_0	0.002	0.9584	2.68
458	14862	29926	32	0.05	48.59	0.245245	0.155155	2_143053245	2_143991472	2_143	0.002	0.9584	2.68
1928	47556	26639	25	0.05	48.64	0.188188	0.109109	14_5009281	14_5995892	14_5	0.002	0.9584	2.68

1058	5855	58462	28	0.05	48.7	0.217217	0.127127	7_21006494	7_21875537	7_21	0.002	0.9583	2.68
1792	10033	26259	31	0.05	48.75	0.246246	0.153153	13_88018134	13_88989523	13_88	0.002	0.9582	2.67
1764	9882	38767	30	0.05	48.8	0.246246	0.143143	13_60024211	13_60980258	13_60	0.002	0.9581	2.67
1973	55273	43758	31	0.05	48.86	0.248248	0.164164	14_50012997	14_50992818	14_50	0.002	0.958	2.67
775	48823	4626	30	0.05	48.91	0.226226	0.132132	5_8031569	5_8937125	5_8	0.002	0.958	2.67
1198	47191	42240	28	0.05	48.96	0.227227	0.152152	8_27009610	8_27992239	8_27	0.002	0.958	2.67
63	19788	50468	26	0.05	49.02	0.214214	0.131131	1_63025137	1_63948056	1_63	0.002	0.958	2.67
699	37460	46684	25	0.05	49.07	0.21021	0.134134	4_76004484	4_76985054	4_76	0.002	0.958	2.67
403	40599	2362	26	0.05	49.12	0.191191	0.123123	2_88090537	2_88987913	2_88	0.002	0.958	2.67
2218	12581	12589	22	0.05	49.18	0.204204	0.123123	15_141026209	15_141938770	15_141	0.002	0.9582	2.66
2044	11556	43963	18	0.05	49.23	0.155155	0.091091	14_121000230	14_121970428	14_121	0.002	0.9578	2.66
1029	15413	39742	24	0.05	49.28	0.219219	0.14014	6_150101096	6_150848334	6_150	0.002	0.9578	2.66
600	35543	3322	33	0.05	49.33	0.239239	0.13013	3_122042998	3_122976843	3_122	0.002	0.9579	2.65
1626	43043	43047	33	0.05	49.39	0.245245	0.155155	11_74019999	11_74978970	11_74	0.002	0.9579	2.65
2127	32696	27721	19	0.05	49.44	0.182182	0.12012	15_50037970	15_50967710	15_50	0.002	0.9582	2.65
728	4233	4240	26	0.05	49.49	0.227227	0.148148	4_105017514	4_105998663	4_105	0.002	0.9582	2.65
2318	52112	45828	31	0.05	49.55	0.257257	0.154154	16_83023456	16_83958725	16_83	0.002	0.9585	2.65
959	34180	19311	31	0.05	49.6	0.254254	0.163163	6_80008558	6_80979535	6_80	0.002	0.9585	2.65
2056	43991	11641	21	0.05	49.65	0.22022	0.138138	14_133005108	14_133783308	14_133	0.002	0.9587	2.64
2419	13823	13835	31	0.05	49.7	0.281281	0.172172	18_27001689	18_27981092	18_27	0.002	0.9587	2.64
1021	57735	5649	28	0.05	49.76	0.232232	0.147147	6_142036921	6_142989178	6_142	0.002	0.9588	2.64
578	21482	3187	22	0.05	49.81	0.217217	0.129129	3_100076912	3_100905327	3_100	0.002	0.9589	2.64
1181	14756	14648	26	0.05	49.86	0.225225	0.132132	8_10036134	8_10993731	8_10	0.002	0.9589	2.64
402	48557	39685	31	0.05	49.91	0.268268	0.165165	2_87007147	2_87981729	2_87	0.002	0.9589	2.64
589	37330	3262	19	0.05	49.97	0.171171	0.105105	3_111033114	3_111986113	3_111	0.002	0.959	2.64
567	60904	3143	21	0.05	50.02	0.197197	0.127127	3_89138287	3_89999192	3_89	0.002	0.9591	2.64
1283	18301	24327	24	0.05	50.07	0.197197	0.12012	8_112078084	8_112989184	8_112	0.002	0.9591	2.64
159	20159	40116	28	0.05	50.12	0.223223	0.14014	1_159034424	1_159990673	1_159	0.002	0.9592	2.63
423	40633	55037	20	0.05	50.18	0.169169	0.117117	2_108005632	2_108954634	2_108	0.002	0.9592	2.63
642	37392	51299	33	0.05	50.23	0.262262	0.162162	4_19015552	4_19958367	4_19	0.002	0.9592	2.63
453	55412	46472	29	0.05	50.28	0.235235	0.151151	2_138000735	2_138911144	2_138	0.002	0.9593	2.63
2022	43899	11376	17	0.05	50.33	0.162162	0.106106	14_99111537	14_99978645	14_99	0.002	0.9591	2.63
47	18111	45887	20	0.05	50.39	0.17017	0.103103	1_47165930	1_47997868	1_47	0.002	0.959	2.63
280	1752	40325	31	0.05	50.44	0.246246	0.142142	1_280005940	1_280937085	1_280	0.002	0.959	2.62
1166	23998	42180	23	0.05	50.49	0.203203	0.121121	7_130031038	7_130982643	7_130	0.002	0.959	2.62

2325	13203	13209	18	0.05	50.54	0.16016	0.101101	17_3129112	17_3989769	17_3	0.002	0.9592	2.62
1334	24505	16564	28	0.05	50.59	0.2002	0.133133	9_14007105	9_14991770	9_14	0.002	0.9593	2.62
1073	41880	5974	19	0.05	50.65	0.173173	0.117117	7_36004578	7_36991143	7_36	0.002	0.9593	2.62
662	21934	3741	22	0.05	50.7	0.183183	0.113113	4_39025906	4_39998067	4_39	0.002	0.9595	2.62
1126	47121	47126	26	0.05	50.75	0.218218	0.136136	7_90011443	7_90978100	7_90	0.002	0.9595	2.62
1475	25009	42737	19	0.05	50.8	0.156156	0.089089	10_1045768	10_1994574	10_1	0.002	0.9596	2.61
2350	13389	61797	19	0.05	50.85	0.154154	0.097097	17_28091145	17_28931409	17_28	0.002	0.9596	2.61
326	2014	2017	30	0.05	50.91	0.24024	0.147147	2_10028746	2_10999714	2_10	0.002	0.9597	2.61
76	45935	36682	26	0.05	50.96	0.207207	0.131131	1_76030269	1_76975200	1_76	0.002	0.9599	2.61
363	40549	2268	14	0.05	51.01	0.136136	0.081081	2_47055959	2_47984857	2_47	0.002	0.9602	2.61
1034	48936	30300	22	0.05	51.06	0.172172	0.112112	6_155139641	6_155985335	6_155	0.002	0.9602	2.61
1420	45102	31415	33	0.05	51.11	0.229229	0.14014	9_100019532	9_100985297	9_100	0.002	0.9603	2.61
488	31616	31091	26	0.05	51.16	0.206206	0.145145	3_10004418	3_10973478	3_10	0.002	0.9602	2.61
448	21120	16166	31	0.05	51.22	0.239239	0.146146	2_133019436	2_133937811	2_133	0.002	0.9602	2.6
45	19704	36591	28	0.05	51.27	0.207207	0.128128	1_45116274	1_45997932	1_45	0.002	0.9602	2.6
341	40493	2102	31	0.05	51.32	0.257257	0.16016	2_25056011	2_25977149	2_25	0.002	0.9602	2.6
2400	34151	34727	31	0.05	51.37	0.252252	0.156156	18_8002708	18_8998286	18_8	0.002	0.9601	2.6
1692	9416	43212	30	0.05	51.42	0.261261	0.148148	12_52006043	12_52989009	12_52	0.002	0.9602	2.6
1803	30291	10087	21	0.05	51.47	0.172172	0.109109	13_99016394	13_99980492	13_99	0.002	0.9602	2.6
1481	25032	25038	24	0.05	51.53	0.22022	0.145145	10_7002238	10_7983066	10_7	0.002	0.9602	2.6
1505	51971	42795	21	0.05	51.58	0.179179	0.119119	10_31124017	10_31983675	10_31	0.002	0.9604	2.6
1960	43715	43721	32	0.05	51.63	0.241241	0.148148	14_37100789	14_37968250	14_37	0.002	0.9604	2.6
1478	25018	25027	27	0.05	51.68	0.234234	0.144144	10_4010500	10_4939665	10_4	0.002	0.9604	2.59
286	40341	20558	24	0.05	51.73	0.19019	0.122122	1_286007661	1_286998337	1_286	0.002	0.9605	2.59
1762	9869	9874	28	0.05	51.78	0.234234	0.152152	13_58006732	13_58977959	13_58	0.002	0.9605	2.59
1097	6196	54633	25	0.05	51.83	0.22022	0.117117	7_60010451	7_60945766	7_60	0.002	0.9604	2.59
1003	53717	23141	26	0.05	51.88	0.219219	0.115115	6_124059477	6_124954647	6_124	0.002	0.9603	2.59
2028	39126	34756	23	0.05	51.94	0.216216	0.121121	14_105006631	14_105966472	14_105	0.002	0.9601	2.58
2444	28984	28988	27	0.05	51.99	0.222222	0.145145	18_52001599	18_52977587	18_52	0.002	0.9601	2.58
2475	29069	48274	17	0.05	52.04	0.123123	0.094094	19_22009202	19_22855768	19_22	0.002	0.9602	2.58
1404	38303	24791	20	0.05	52.09	0.158158	0.112112	9_84019420	9_84965987	9_84	0.002	0.9602	2.58
265	51666	20455	21	0.05	52.14	0.185185	0.121121	1_265041087	1_265964227	1_265	0.002	0.9605	2.58
1643	18062	30493	16	0.05	52.19	0.154154	0.102102	12_3097741	12_3852901	12_3	0.003	0.9606	2.58
1173	6764	16676	23	0.05	52.24	0.175175	0.118118	8_2023121	8_2902485	8_2	0.003	0.9605	2.58
2219	15908	12594	30	0.05	52.29	0.237237	0.148148	15_142018466	15_142992475	15_142	0.003	0.9605	2.57

2210	27944	27951	29	0.05	52.34	0.253253	0.159159	15_133052815	15_133970166	15_133	0.003	0.9604	2.57
1352	51795	33612	26	0.05	52.39	0.214214	0.13013	9_32073965	9_32928892	9_32	0.003	0.9605	2.57
1526	25241	29360	29	0.05	52.45	0.256256	0.166166	10_52025204	10_52991516	10_52	0.003	0.9606	2.57
735	22288	53568	28	0.05	52.5	0.233233	0.137137	4_112014396	4_112988683	4_112	0.003	0.9606	2.57
1170	24015	15870	26	0.05	52.55	0.238238	0.138138	7_134005327	7_134721771	7_134	0.003	0.9605	2.57
970	5433	15678	29	0.05	52.6	0.224224	0.141141	6_91031831	6_91946493	6_91	0.003	0.9605	2.57
828	55178	4902	19	0.05	52.65	0.164164	0.103103	5_61046313	5_61979581	5_61	0.003	0.9606	2.57
1608	25529	8944	26	0.05	52.7	0.211211	0.13013	11_56034371	11_56992066	11_56	0.003	0.9607	2.57
1127	6394	38034	27	0.05	52.75	0.224224	0.142142	7_91019546	7_91996584	7_91	0.003	0.9607	2.57
2031	27273	11451	21	0.05	52.8	0.187187	0.119119	14_108016508	14_108992984	14_108	0.003	0.9606	2.56
765	22474	4574	23	0.05	52.85	0.212212	0.14014	4_142008163	4_142982699	4_142	0.003	0.9606	2.56
702	22110	46690	29	0.05	52.9	0.245245	0.132132	4_79008114	4_79794714	4_79	0.003	0.9607	2.56
967	23061	60617	28	0.05	52.95	0.228228	0.136136	6_88011983	6_88964845	6_88	0.003	0.9607	2.56
2333	13268	28437	31	0.05	53	0.25025	0.146146	17_11026407	17_11952380	17_11	0.003	0.9607	2.56
965	32376	23056	22	0.05	53.05	0.196196	0.114114	6_86017603	6_86940350	6_86	0.003	0.9607	2.56
848	55686	5040	25	0.05	53.1	0.22022	0.14014	5_81043360	5_81968675	5_81	0.003	0.9608	2.56
1270	24287	7209	13	0.05	53.15	0.136136	0.082082	8_99027479	8_99969028	8_99	0.003	0.9611	2.56
408	15455	37141	25	0.05	53.2	0.199199	0.14014	2_93152911	2_93992622	2_93	0.003	0.9612	2.56
156	20141	46108	29	0.05	53.25	0.199199	0.125125	1_156019595	1_156990269	1_156	0.003	0.9612	2.55
1931	43619	10635	22	0.05	53.3	0.198198	0.116116	14_8228429	14_8993832	14_8	0.003	0.9612	2.55
2311	28336	57447	25	0.05	53.36	0.209209	0.131131	16_76026438	16_76990076	16_76	0.003	0.9612	2.55
288	20567	20576	32	0.05	53.41	0.232232	0.145145	1_288024268	1_288885054	1_288	0.003	0.9611	2.55
2039	39144	52595	22	0.05	53.46	0.191191	0.115115	14_116309545	14_116970199	14_116	0.003	0.9611	2.55
536	21376	21383	25	0.05	53.51	0.189189	0.125125	3_58013180	3_58999300	3_58	0.003	0.9611	2.55
838	45650	41523	28	0.05	53.56	0.221221	0.143143	5_71245453	5_71996403	5_71	0.003	0.961	2.55
1557	25354	38484	24	0.05	53.61	0.183183	0.11011	11_5016353	11_5987234	11_5	0.003	0.9612	2.55
903	15916	54135	29	0.05	53.66	0.263263	0.147147	6_24005557	6_24928813	6_24	0.003	0.9612	2.54
900	5287	46901	27	0.05	53.71	0.224224	0.145145	6_21014463	6_21988030	6_21	0.003	0.9611	2.54
420	17253	61777	17	0.05	53.76	0.154154	0.096096	2_105029085	2_105980680	2_105	0.003	0.9612	2.54
362	37107	20887	20	0.05	53.81	0.182182	0.103103	2_46053572	2_46987103	2_46	0.003	0.9615	2.54
581	21499	55369	18	0.05	53.86	0.174174	0.112112	3_103029683	3_103973714	3_103	0.003	0.9617	2.54
1486	25070	25077	28	0.05	53.91	0.245245	0.14014	10_12003897	10_12991741	10_12	0.003	0.9616	2.54
2239	12664	12674	26	0.05	53.96	0.189189	0.123123	16_4016044	16_4964893	16_4	0.003	0.9618	2.54
2555	48223	52303	16	0.05	54.01	0.121121	0.08008	19_107000024	19_107876735	19_107	0.003	0.9619	2.54
2461	14051	59871	18	0.05	54.06	0.175175	0.123123	19_8044093	19_8938817	19_8	0.003	0.962	2.54

435	56294	2570	17	0.05	54.11	0.156156	0.098098	2_120009260	2_120974703	2_120	0.003	0.962	2.54
1151	6606	6617	28	0.05	54.16	0.226226	0.133133	7_115014212	7_115998395	7_115	0.003	0.9621	2.54
1338	15737	36164	16	0.05	54.21	0.142142	0.102102	9_18002888	9_18971973	9_18	0.003	0.9622	2.53
1651	43131	56868	21	0.05	54.26	0.179179	0.107107	12_11015651	12_11918052	12_11	0.003	0.9622	2.53
663	3742	3745	13	0.05	54.3	0.109109	0.077077	4_40065750	4_40942240	4_40	0.003	0.9625	2.53
2570	29188	31667	12	0.05	54.35	0.116116	0.072072	19_122081895	19_122863117	19_122	0.003	0.9625	2.53
2270	31841	28189	31	0.05	54.4	0.251251	0.144144	16_35014537	16_35997155	16_35	0.003	0.9626	2.53
1617	9002	25562	18	0.05	54.45	0.179179	0.115115	11_65022245	11_65973607	11_65	0.003	0.9626	2.52
1850	15050	43483	18	0.05	54.5	0.162162	0.107107	13_146120125	13_146920356	13_146	0.003	0.9627	2.52
785	51000	22588	30	0.05	54.55	0.213213	0.122122	5_18012619	5_18992892	5_18	0.003	0.9627	2.52
2262	39411	49620	25	0.05	54.6	0.23023	0.141141	16_27017719	16_27972337	16_27	0.003	0.9627	2.52
596	40918	35106	25	0.05	54.65	0.217217	0.131131	3_118132370	3_118993318	3_118	0.003	0.9627	2.52
2394	19410	28772	23	0.05	54.7	0.209209	0.147147	18_2082165	18_2998461	18_2	0.003	0.9628	2.52
1371	56630	14511	25	0.05	54.75	0.199199	0.121121	9_51113384	9_51965451	9_51	0.003	0.9629	2.52
1436	58155	34813	27	0.05	54.8	0.211211	0.131131	9_116099220	9_116927941	9_116	0.003	0.9628	2.52
761	22445	22454	25	0.05	54.85	0.204204	0.132132	4_138123252	4_138987333	4_138	0.003	0.9628	2.52
1332	49169	35842	27	0.05	54.9	0.21021	0.139139	9_12012638	9_12980703	9_12	0.003	0.9629	2.52
550	54572	15140	17	0.05	54.95	0.149149	0.092092	3_72009115	3_72838665	3_72	0.003	0.963	2.52
2454	29637	44851	26	0.05	55	0.214214	0.126126	19_1141455	19_1968265	19_1	0.003	0.963	2.52
1131	42052	6439	31	0.05	55.05	0.28028	0.157157	7_95010323	7_95983910	7_95	0.003	0.9628	2.51
1081	23527	23532	22	0.05	55.1	0.204204	0.114114	7_44021990	7_44974706	7_44	0.003	0.9629	2.51
428	40638	2524	22	0.05	55.15	0.201201	0.129129	2_113003444	2_113985753	2_113	0.003	0.9629	2.51
634	56887	52761	27	0.05	55.2	0.199199	0.116116	4_11002675	4_11982774	4_11	0.003	0.9629	2.51
700	61827	22102	28	0.05	55.24	0.226226	0.146146	4_77034601	4_77999066	4_77	0.003	0.9629	2.51
1603	8898	58640	29	0.05	55.29	0.23023	0.131131	11_51024403	11_51986201	11_51	0.003	0.963	2.51
1741	61426	43314	22	0.05	55.34	0.18018	0.112112	13_37122998	13_37987928	13_37	0.003	0.9632	2.5
1468	42721	34292	29	0.05	55.39	0.22022	0.124124	9_148001849	9_148997867	9_148	0.003	0.9632	2.5
2257	12758	12770	23	0.05	55.44	0.21021	0.137137	16_22095735	16_22991610	16_22	0.003	0.9633	2.5
1494	8338	50400	24	0.05	55.49	0.198198	0.121121	10_20017052	10_20952466	10_20	0.003	0.9633	2.5
2240	44315	14603	26	0.05	55.54	0.194194	0.132132	16_5008766	16_5923147	16_5	0.003	0.9634	2.5
855	45712	5079	16	0.05	55.59	0.165165	0.105105	5_88001856	5_88978805	5_88	0.003	0.9634	2.5
2299	13022	44435	24	0.05	55.64	0.199199	0.126126	16_64085517	16_64990189	16_64	0.003	0.9634	2.5
2161	12256	47907	23	0.05	55.69	0.211211	0.116116	15_84109275	15_84964130	15_84	0.003	0.9634	2.5
404	37134	2376	30	0.05	55.73	0.263263	0.151151	2_89007639	2_89995349	2_89	0.003	0.9634	2.5
1045	23299	23308	24	0.05	55.78	0.189189	0.116116	7_8003501	7_8967851	7_8	0.003	0.9634	2.5

1947	10785	58020	23	0.05	55.83	0.212212	0.122122	14_24039632	14_24906177	14_24	0.003	0.9633	2.49
894	22936	53721	31	0.05	55.88	0.226226	0.13013	6_15000888	6_15985029	6_15	0.003	0.9633	2.49
2165	27812	12297	27	0.05	55.93	0.232232	0.132132	15_88036047	15_88943039	15_88	0.003	0.9634	2.49
2435	28947	48120	24	0.05	55.98	0.226226	0.126126	18_43012691	18_43976955	18_43	0.003	0.9634	2.49
466	19201	59062	29	0.05	56.03	0.233233	0.147147	2_151012311	2_151909224	2_151	0.003	0.9634	2.49
1498	8595	25116	21	0.05	56.07	0.169169	0.11011	10_24011021	10_24984526	10_24	0.003	0.9634	2.49
1336	42461	39693	21	0.05	56.12	0.19019	0.119119	9_16047080	9_16962945	9_16	0.003	0.9634	2.49
895	17873	15478	22	0.05	56.17	0.19019	0.127127	6_16013020	6_16859988	6_16	0.003	0.9634	2.49
415	40621	40624	18	0.05	56.22	0.163163	0.105105	2_100248260	2_100951727	2_100	0.003	0.9635	2.49
2097	60291	11949	20	0.05	56.27	0.184184	0.109109	15_20011263	15_20934106	15_20	0.003	0.9635	2.48
2332	28445	49658	21	0.05	56.32	0.183183	0.12012	17_10039697	17_10939739	17_10	0.003	0.9636	2.48
755	4485	17260	32	0.05	56.37	0.239239	0.164164	4_132039333	4_132970877	4_132	0.003	0.9636	2.48
887	41597	52796	32	0.05	56.42	0.26026	0.157157	6_8019390	6_8966343	6_8	0.003	0.9637	2.48
1087	6091	53052	31	0.05	56.46	0.243243	0.15015	7_50028824	7_50991091	7_50	0.003	0.9637	2.48
337	40478	61121	25	0.05	56.51	0.202202	0.123123	2_21003130	2_21970774	2_21	0.003	0.9637	2.48
43	349	357	25	0.05	56.56	0.212212	0.132132	1_43045248	1_43986463	1_43	0.003	0.9637	2.48
1914	47545	10531	24	0.05	56.61	0.208208	0.122122	13_210026312	13_210866603	13_210	0.003	0.9638	2.48
837	57141	22776	21	0.05	56.66	0.18018	0.114114	5_70001568	5_70984258	5_70	0.003	0.9637	2.48
2228	49606	28051	33	0.05	56.71	0.264264	0.137137	15_151027575	15_151968517	15_151	0.003	0.9638	2.48
2443	33039	13976	29	0.05	56.75	0.256256	0.135135	18_51012467	18_51975074	18_51	0.003	0.9638	2.47
1556	54532	8624	24	0.05	56.8	0.188188	0.126126	11_4003595	11_4989840	11_4	0.003	0.9639	2.47
1730	43283	54454	34	0.05	56.85	0.257257	0.149149	13_26001164	13_26988390	13_26	0.003	0.9638	2.47
1350	42484	54468	26	0.05	56.9	0.231231	0.149149	9_30061785	9_30795185	9_30	0.003	0.9638	2.47
651	41035	3646	20	0.05	56.95	0.146146	0.098098	4_28013430	4_28935985	4_28	0.003	0.9637	2.47
883	17685	33718	35	0.05	57	0.272272	0.154154	6_4060304	6_4871179	6_4	0.003	0.9638	2.47
1355	24585	24591	22	0.05	57.04	0.175175	0.118118	9_35012606	9_35998370	9_35	0.003	0.9639	2.46
1994	27085	47659	21	0.05	57.09	0.179179	0.116116	14_71155797	14_71975247	14_71	0.003	0.9638	2.46
1987	11074	27051	30	0.05	57.14	0.233233	0.159159	14_64014394	14_64974040	14_64	0.003	0.9638	2.46
2432	31687	44795	30	0.05	57.19	0.22022	0.142142	18_40067536	18_40992858	18_40	0.003	0.9639	2.46
1572	35913	25432	34	0.05	57.24	0.26026	0.141141	11_20016772	11_20989421	11_20	0.003	0.964	2.46
407	2388	32193	22	0.05	57.28	0.193193	0.125125	2_92017036	2_92965042	2_92	0.003	0.964	2.46
2442	44820	35514	27	0.05	57.33	0.245245	0.161161	18_50016394	18_50984974	18_50	0.003	0.964	2.46
1210	6985	6988	23	0.05	57.38	0.181181	0.117117	8_39014921	8_39851468	8_39	0.003	0.964	2.46
1143	16438	18349	21	0.05	57.43	0.201201	0.121121	7_107177261	7_107995062	7_107	0.003	0.964	2.46
917	30003	55336	19	0.05	57.48	0.142142	0.103103	6_38026430	6_38961317	6_38	0.003	0.9641	2.46

91	19926	36128	28	0.05	57.52	0.191191	0.133133	1_91015459	1_91983106	1_91	0.003	0.9641	2.45
2413	28840	28845	25	0.05	57.57	0.212212	0.128128	18_21017341	18_21942251	18_21	0.003	0.9642	2.45
739	4335	4345	25	0.05	57.62	0.25025	0.149149	4_116017042	4_116922748	4_116	0.003	0.9643	2.45
607	21619	40940	24	0.05	57.67	0.227227	0.135135	3_129005942	3_129847043	3_129	0.003	0.9643	2.45
2460	14047	29036	20	0.05	57.72	0.157157	0.103103	19_7185187	19_7979887	19_7	0.003	0.9643	2.45
83	53174	45952	21	0.05	57.76	0.191191	0.121121	1_83022518	1_83976962	1_83	0.003	0.9644	2.45
2252	56725	39399	16	0.05	57.81	0.146146	0.091091	16_17080961	16_17972248	16_17	0.003	0.9643	2.45
2361	33221	13474	24	0.05	57.86	0.194194	0.119119	17_39094798	17_39980954	17_39	0.003	0.9643	2.45
1645	9197	61714	15	0.05	57.91	0.111111	0.064064	12_5026781	12_5900678	12_5	0.003	0.9644	2.44
1665	29997	9297	23	0.05	57.96	0.198198	0.134134	12_25006232	12_25983929	12_25	0.003	0.9644	2.44
1573	35946	57717	24	0.05	58	0.19019	0.113113	11_21011462	11_21968682	11_21	0.003	0.9645	2.44
1311	30826	56282	21	0.05	58.05	0.202202	0.129129	8_140246531	8_140986050	8_140	0.003	0.9645	2.44
1472	51756	8181	32	0.05	58.1	0.263263	0.141141	9_152109779	9_152989337	9_152	0.003	0.9645	2.44
2099	39235	11969	26	0.05	58.15	0.203203	0.128128	15_22094279	15_22961387	15_22	0.003	0.9645	2.44
661	3731	3735	17	0.05	58.19	0.136136	0.084084	4_38015849	4_38985579	4_38	0.003	0.9645	2.44
652	37422	21881	20	0.05	58.24	0.149149	0.096096	4_29042837	4_29908735	4_29	0.003	0.9644	2.43
2395	49932	28778	26	0.05	58.29	0.202202	0.124124	18_3045578	18_3945470	18_3	0.003	0.9644	2.43
687	3910	3919	25	0.05	58.34	0.203203	0.121121	4_64137468	4_64983207	4_64	0.003	0.9644	2.43
514	40785	45456	23	0.05	58.38	0.223223	0.135135	3_36026450	3_36894931	3_36	0.003	0.9644	2.43
2554	44964	29153	14	0.05	58.43	0.121121	0.089089	19_106003938	19_106970823	19_106	0.003	0.9645	2.43
1228	51731	7041	10	0.05	58.48	0.113113	0.079079	8_57262741	8_57960254	8_57	0.003	0.9646	2.43
1837	10187	34408	23	0.05	58.53	0.141141	0.095095	13_133032413	13_133979002	13_133	0.003	0.9647	2.43
2011	47696	56621	27	0.05	58.57	0.191191	0.105105	14_88077735	14_88987258	14_88	0.003	0.9646	2.43
665	21944	41073	24	0.05	58.62	0.211211	0.134134	4_42037215	4_42984787	4_42	0.003	0.9648	2.42
1398	15099	38289	23	0.05	58.67	0.18018	0.123123	9_78070603	9_78963458	9_78	0.003	0.9649	2.42
637	3516	57743	24	0.05	58.71	0.209209	0.113113	4_14003125	4_14995885	4_14	0.003	0.965	2.42
847	53969	16989	28	0.05	58.76	0.227227	0.151151	5_80009101	5_80967561	5_80	0.003	0.965	2.42
2211	36231	12532	22	0.05	58.81	0.197197	0.12012	15_134006803	15_134994861	15_134	0.003	0.965	2.42
1402	7849	24787	20	0.05	58.86	0.178178	0.108108	9_82004163	9_82930808	9_82	0.003	0.965	2.42
1211	24173	61131	20	0.05	58.9	0.145145	0.094094	8_40020473	8_40919857	8_40	0.003	0.965	2.42
2035	60680	39141	15	0.05	58.95	0.129129	0.077077	14_112008662	14_112992396	14_112	0.003	0.9643	2.41
1560	47324	25377	27	0.05	59	0.212212	0.118118	11_8012239	11_8927330	11_8	0.003	0.9644	2.41
2354	60959	44566	25	0.05	59.04	0.222222	0.132132	17_32009043	17_32986542	17_32	0.003	0.9644	2.41
1405	24792	24798	22	0.05	59.09	0.163163	0.111111	9_85001751	9_85988046	9_85	0.003	0.9644	2.41
1203	32565	42251	25	0.05	59.14	0.199199	0.131131	8_32014830	8_32934099	8_32	0.003	0.9644	2.41

2320	32464	49655	19	0.05	59.19	0.176176	0.112112	16_85011017	16_85843098	16_85	0.003	0.9644	2.41
467	2756	2765	26	0.05	59.23	0.241241	0.15015	2_152016160	2_152972957	2_152	0.003	0.9645	2.41
942	33525	53905	23	0.05	59.28	0.187187	0.118118	6_63053534	6_63986347	6_63	0.003	0.9645	2.4
2316	17367	13154	29	0.05	59.33	0.25025	0.145145	16_81058129	16_81997191	16_81	0.003	0.9645	2.4
871	15672	22889	26	0.05	59.37	0.214214	0.125125	5_104000831	5_104987144	5_104	0.003	0.9645	2.4
914	52509	29711	16	0.05	59.42	0.139139	0.095095	6_35011158	6_35967061	6_35	0.003	0.9645	2.4
359	48542	2241	31	0.05	59.47	0.248248	0.132132	2_43009789	2_43985424	2_43	0.003	0.9646	2.4
1280	42341	7256	25	0.05	59.51	0.225225	0.136136	8_109015913	8_109852339	8_109	0.003	0.9646	2.4
2403	55403	28800	16	0.05	59.56	0.158158	0.101101	18_11037894	18_11928951	18_11	0.003	0.9646	2.4
2067	54405	52164	30	0.05	59.61	0.275275	0.129129	14_144001271	14_144927544	14_144	0.003	0.9647	2.39
733	22280	4274	20	0.05	59.65	0.166166	0.1001	4_110004343	4_110972254	4_110	0.003	0.9647	2.39
1490	8313	8318	26	0.05	59.7	0.207207	0.131131	10_16004340	10_16993029	10_16	0.003	0.9648	2.39
2414	28844	39544	26	0.05	59.75	0.211211	0.114114	18_22043702	18_22991003	18_22	0.003	0.9648	2.39
1542	30117	42867	20	0.05	59.79	0.178178	0.108108	10_68013801	10_68989822	10_68	0.003	0.9648	2.39
57	53965	39908	28	0.05	59.84	0.251251	0.152152	1_57012775	1_57981015	1_57	0.003	0.9648	2.39
2323	57301	39484	23	0.05	59.89	0.179179	0.12012	17_1018025	17_1963091	17_1	0.003	0.9649	2.39
2070	56792	11783	27	0.05	59.93	0.198198	0.125125	14_147003080	14_147903117	14_147	0.003	0.9649	2.39
2215	27964	60269	21	0.05	59.98	0.211211	0.137137	15_138046832	15_138987291	15_138	0.003	0.9651	2.39
1903	36152	10488	27	0.05	60.02	0.214214	0.135135	13_199017905	13_199927172	13_199	0.003	0.9651	2.39
56	60375	16290	28	0.05	60.07	0.224224	0.153153	1_56004411	1_56836525	1_56	0.003	0.9651	2.39
1084	23542	23550	21	0.05	60.12	0.196196	0.128128	7_47037298	7_47934829	7_47	0.003	0.9651	2.38
1712	60854	38692	22	0.05	60.16	0.187187	0.119119	13_8050547	13_8963066	13_8	0.003	0.9651	2.38
1281	36019	34079	19	0.05	60.21	0.182182	0.128128	8_110016042	8_110901720	8_110	0.003	0.965	2.38
2113	44127	59289	19	0.05	60.26	0.192192	0.093093	15_36011179	15_36905893	15_36	0.003	0.9651	2.38
1523	38463	25228	26	0.05	60.3	0.202202	0.128128	10_49042878	10_49993854	10_49	0.003	0.9652	2.38
2304	49638	28309	16	0.05	60.35	0.125125	0.09009	16_69042784	16_69938536	16_69	0.003	0.9652	2.38
1206	17252	33461	26	0.05	60.39	0.213213	0.139139	8_35031484	8_35944997	8_35	0.003	0.9652	2.38
2415	13788	33744	23	0.05	60.44	0.216216	0.122122	18_23005936	18_23969429	18_23	0.003	0.9652	2.38
186	20268	46172	17	0.05	60.49	0.144144	0.084084	1_186106230	1_186883993	1_186	0.003	0.9653	2.37
1102	23657	47057	23	0.05	60.53	0.182182	0.088088	7_65004224	7_65984458	7_65	0.003	0.9653	2.37
575	32369	21475	17	0.05	60.58	0.17017	0.107107	3_97223093	3_97974345	3_97	0.003	0.9655	2.37
2396	32079	31473	30	0.05	60.63	0.248248	0.144144	18_4013414	18_4997045	18_4	0.003	0.9655	2.37
1991	39038	59753	31	0.05	60.67	0.235235	0.144144	14_68005023	14_68982424	14_68	0.003	0.9654	2.37
1974	10991	10997	21	0.05	60.72	0.178178	0.114114	14_51006694	14_51937785	14_51	0.003	0.965	2.36
437	40665	2591	25	0.05	60.76	0.213213	0.114114	2_122010013	2_122886290	2_122	0.003	0.9651	2.36

1339	33592	38230	24	0.05	60.81	0.21021	0.132132	9_19079143	9_19956110	9_19	0.003	0.9651	2.36
1461	58102	59763	24	0.05	60.86	0.198198	0.126126	9_141246965	9_141992388	9_141	0.003	0.9652	2.36
1640	45525	50520	21	0.05	60.9	0.178178	0.114114	12_79502	12_980500	12_0	0.003	0.9652	2.36
1349	16910	42483	22	0.05	60.95	0.172172	0.107107	9_29002522	9_29982654	9_29	0.003	0.9652	2.36
1020	5635	57523	31	0.05	60.99	0.243243	0.125125	6_141025042	6_141988774	6_141	0.003	0.9652	2.36
1484	8271	42757	28	0.05	61.04	0.227227	0.142142	10_10002850	10_10995624	10_10	0.003	0.9654	2.36
6	41	51862	31	0.05	61.09	0.248248	0.155155	1_6010365	1_6981859	1_6	0.003	0.9654	2.36
1191	6858	24098	25	0.05	61.13	0.184184	0.116116	8_20003228	8_20948717	8_20	0.003	0.9654	2.36
321	20706	48521	30	0.05	61.18	0.223223	0.14014	2_5004637	2_5984348	2_5	0.003	0.9654	2.36
1501	42788	54021	21	0.05	61.22	0.195195	0.113113	10_27028271	10_27940273	10_27	0.003	0.9654	2.36
2348	28504	56461	19	0.05	61.27	0.166166	0.088088	17_26152267	17_26991897	17_26	0.003	0.9655	2.36
664	46595	3752	18	0.05	61.32	0.173173	0.112112	4_41008284	4_41937629	4_41	0.003	0.9657	2.35
1915	60573	10541	30	0.05	61.36	0.218218	0.13013	13_211000701	13_211989807	13_211	0.003	0.9656	2.35
493	40755	18076	27	0.05	61.41	0.234234	0.128128	3_15010975	3_15925307	3_15	0.003	0.9656	2.35
667	61805	3782	27	0.05	61.45	0.218218	0.133133	4_44003320	4_44997961	4_44	0.003	0.9658	2.35
66	19814	53423	26	0.05	61.5	0.227227	0.13013	1_66015914	1_66820206	1_66	0.003	0.9659	2.35
62	56204	508	27	0.05	61.54	0.226226	0.132132	1_62058511	1_62989866	1_62	0.003	0.9658	2.35
1060	5875	5882	13	0.05	61.59	0.123123	0.083083	7_23022559	7_23977356	7_23	0.003	0.9659	2.35
229	40225	40227	27	0.05	61.64	0.208208	0.125125	1_229000633	1_229999129	1_229	0.003	0.9661	2.35
2424	13862	51267	24	0.05	61.68	0.173173	0.103103	18_32091507	18_32986753	18_32	0.003	0.9661	2.35
1036	50006	51808	23	0.05	61.73	0.17017	0.107107	6_157003423	6_157734339	6_157	0.003	0.9661	2.35
1315	16475	16051	28	0.05	61.77	0.233233	0.138138	8_144034145	8_144999383	8_144	0.003	0.9661	2.35
577	35590	21481	16	0.05	61.82	0.163163	0.082082	3_99288792	3_99987765	3_99	0.003	0.9663	2.35
1401	24776	38297	10	0.05	61.86	0.104104	0.076076	9_81214756	9_81888480	9_81	0.003	0.9663	2.35
1343	16035	61619	17	0.05	61.91	0.152152	0.097097	9_23018947	9_23888625	9_23	0.003	0.9663	2.35
1807	10101	61186	20	0.05	61.95	0.168168	0.109109	13_103033108	13_103926061	13_103	0.003	0.9663	2.34
604	3336	3341	27	0.05	62	0.197197	0.12012	3_126010993	3_126989393	3_126	0.003	0.9663	2.34
442	53661	18498	28	0.05	62.05	0.219219	0.116116	2_127056884	2_127964422	2_127	0.003	0.9664	2.34
864	35055	33233	22	0.05	62.09	0.192192	0.112112	5_97022279	5_97980633	5_97	0.003	0.9664	2.34
1491	8319	25102	25	0.05	62.14	0.197197	0.125125	10_17018794	10_17948352	10_17	0.003	0.9665	2.34
145	61688	40086	20	0.05	62.18	0.179179	0.112112	1_145008895	1_145991718	1_145	0.003	0.9666	2.34
979	31792	35888	21	0.05	62.23	0.179179	0.121121	6_100016231	6_100924422	6_100	0.003	0.9666	2.34
983	31756	23097	24	0.05	62.27	0.199199	0.125125	6_104100988	6_104981251	6_104	0.003	0.9665	2.34
1757	9835	59902	22	0.05	62.32	0.186186	0.118118	13_53002465	13_53914708	13_53	0.003	0.9665	2.34
1988	27052	43804	21	0.05	62.36	0.172172	0.106106	14_65015603	14_65969593	14_65	0.003	0.9664	2.34

2112	12025	27687	28	0.05	62.41	0.227227	0.14014	15_35010372	15_35973145	15_35	0.003	0.9665	2.34
2440	13951	28968	29	0.05	62.45	0.213213	0.13013	18_48005643	18_48998765	18_48	0.003	0.9664	2.34
1137	42073	6502	28	0.05	62.5	0.232232	0.139139	7_101022085	7_101965379	7_101	0.003	0.9665	2.34
1932	43625	10642	22	0.05	62.54	0.177177	0.111111	14_9010230	14_9915945	14_9	0.003	0.9664	2.33
997	5522	57839	18	0.05	62.59	0.171171	0.11011	6_118009798	6_118954409	6_118	0.003	0.9664	2.33
1471	49212	18200	29	0.05	62.64	0.209209	0.111111	9_151005996	9_151986166	9_151	0.003	0.9663	2.33
1731	36190	26035	34	0.05	62.68	0.256256	0.164164	13_27003930	13_27974682	13_27	0.003	0.9662	2.33
538	40825	3023	22	0.05	62.73	0.181181	0.105105	3_60015652	3_60998171	3_60	0.003	0.9663	2.33
142	46073	20096	18	0.05	62.77	0.146146	0.101101	1_142041071	1_142992212	1_142	0.003	0.9663	2.33
1354	55573	24584	23	0.05	62.82	0.213213	0.122122	9_34056153	9_34993225	9_34	0.003	0.9663	2.33
666	21950	21956	24	0.05	62.86	0.188188	0.119119	4_43005049	4_43983124	4_43	0.003	0.9664	2.33
2261	51282	53898	30	0.05	62.91	0.208208	0.127127	16_26019525	16_26898740	16_26	0.003	0.9664	2.33
670	37445	46612	21	0.05	62.95	0.167167	0.113113	4_47043904	4_47963187	4_47	0.003	0.9665	2.32
2313	44466	44470	27	0.05	63	0.19019	0.113113	16_78001888	16_78984075	16_78	0.003	0.9665	2.32
1482	51292	56970	26	0.05	63.04	0.211211	0.116116	10_8003008	10_8890050	10_8	0.003	0.9665	2.32
1140	23842	47156	21	0.05	63.09	0.163163	0.091091	7_104030356	7_104914125	7_104	0.003	0.9664	2.32
1710	9490	9504	28	0.04	63.13	0.227227	0.146146	13_6000732	13_6978113	13_6	0.003	0.9663	2.32
1154	6642	42124	33	0.04	63.18	0.253253	0.123123	7_118001966	7_118979653	7_118	0.003	0.9663	2.32
424	35153	21019	21	0.04	63.22	0.16016	0.096096	2_109012528	2_109934488	2_109	0.003	0.9663	2.32
2096	11933	11944	29	0.04	63.27	0.219219	0.141141	15_19076645	15_19989529	15_19	0.003	0.9663	2.32
40	39878	61731	23	0.04	63.31	0.209209	0.138138	1_40017655	1_40974578	1_40	0.003	0.9663	2.31
829	60143	33985	33	0.04	63.36	0.257257	0.144144	5_62000754	5_62972049	5_62	0.003	0.9664	2.31
1110	23689	47077	21	0.04	63.4	0.183183	0.109109	7_73011207	7_73938361	7_73	0.003	0.9664	2.31
889	15933	57273	34	0.04	63.45	0.253253	0.144144	6_10012272	6_10950015	6_10	0.003	0.9664	2.31
1606	47372	50265	21	0.04	63.49	0.188188	0.114114	11_54006230	11_54923124	11_54	0.003	0.9664	2.31
2346	13351	28499	23	0.04	63.53	0.208208	0.123123	17_24013333	17_24856383	17_24	0.003	0.9663	2.31
2066	33925	47829	24	0.04	63.58	0.203203	0.129129	14_143000381	14_143979213	14_143	0.003	0.9664	2.31
850	38165	61626	22	0.04	63.62	0.188188	0.108108	5_83011120	5_83918631	5_83	0.003	0.9663	2.31
552	17511	36373	22	0.04	63.67	0.176176	0.091091	3_74097470	3_74957221	3_74	0.003	0.9664	2.31
1499	15273	25118	21	0.04	63.71	0.188188	0.113113	10_25028197	10_25912932	10_25	0.003	0.9664	2.31
1018	59933	50769	24	0.04	63.76	0.212212	0.12012	6_139045500	6_139965340	6_139	0.003	0.9664	2.3
832	22748	17603	23	0.04	63.8	0.182182	0.119119	5_65003383	5_65950020	5_65	0.003	0.9665	2.3
1681	51978	18544	26	0.04	63.85	0.212212	0.115115	12_41032283	12_41951866	12_41	0.003	0.9664	2.3
1419	52081	17891	20	0.04	63.89	0.178178	0.098098	9_99173519	9_99988998	9_99	0.003	0.9664	2.3
139	46064	55827	23	0.04	63.94	0.174174	0.109109	1_139217790	1_139996752	1_139	0.003	0.9664	2.3

343	54505	60363	39	0.04	63.98	0.29029	0.168168	2_27137409	2_27978087	2_27	0.003	0.9664	2.3
724	41197	4211	22	0.04	64.03	0.178178	0.113113	4_101009461	4_101975122	4_101	0.003	0.9664	2.3
1918	26587	26593	23	0.04	64.07	0.196196	0.126126	13_214005140	13_214973846	13_214	0.003	0.9663	2.3
2416	55471	48102	13	0.04	64.12	0.135135	0.082082	18_24076311	18_24990339	18_24	0.003	0.9663	2.3
1538	8547	42859	31	0.04	64.16	0.221221	0.144144	10_64020297	10_64996997	10_64	0.003	0.9663	2.29
1086	6073	49020	32	0.04	64.2	0.251251	0.145145	7_49013454	7_49982901	7_49	0.003	0.9663	2.29
1924	43599	55048	23	0.04	64.25	0.182182	0.106106	14_1000181	14_1929126	14_1	0.003	0.9664	2.29
539	36378	33523	21	0.04	64.29	0.186186	0.112112	3_61035420	3_61967071	3_61	0.003	0.9665	2.29
2465	48136	30608	22	0.04	64.34	0.185185	0.095095	19_12108725	19_12973924	19_12	0.003	0.9666	2.29
2084	59142	19362	22	0.04	64.38	0.188188	0.13013	15_7015409	15_7998827	15_7	0.003	0.9667	2.29
64	19796	45919	24	0.04	64.43	0.212212	0.124124	1_64018444	1_64959341	1_64	0.003	0.9667	2.29
566	37303	3136	10	0.04	64.47	0.104104	0.075075	3_88022523	3_88862483	3_88	0.003	0.9668	2.29
830	14362	4932	30	0.04	64.52	0.248248	0.126126	5_63039669	5_63996259	5_63	0.003	0.9669	2.29
1307	15992	38195	20	0.04	64.56	0.164164	0.104104	8_136113975	8_136985884	8_136	0.003	0.9668	2.29
93	50671	19939	23	0.04	64.6	0.198198	0.111111	1_93019315	1_93750500	1_93	0.003	0.967	2.29
463	52616	37243	13	0.04	64.65	0.105105	0.062062	2_148010312	2_148847293	2_148	0.003	0.9671	2.29
413	46449	2427	18	0.04	64.69	0.15015	0.108108	2_98002439	2_98997793	2_98	0.003	0.9671	2.29
1970	47623	57316	31	0.04	64.74	0.236236	0.131131	14_47010896	14_47976511	14_47	0.003	0.967	2.28
725	29900	56117	25	0.04	64.78	0.197197	0.117117	4_102103941	4_102928877	4_102	0.003	0.9669	2.28
1916	26576	57961	28	0.04	64.82	0.229229	0.142142	13_212011618	13_212967360	13_212	0.003	0.9669	2.28
763	37531	22469	25	0.04	64.87	0.208208	0.115115	4_140011062	4_140899838	4_140	0.003	0.9669	2.28
1483	25047	8270	27	0.04	64.91	0.198198	0.115115	10_9003663	10_9970331	10_9	0.003	0.967	2.28
1958	59895	10883	27	0.04	64.96	0.221221	0.136136	14_35036848	14_35973121	14_35	0.003	0.967	2.28
1082	23533	47006	16	0.04	65	0.15015	0.099099	7_45004542	7_45911698	7_45	0.003	0.9671	2.28
1048	5776	41795	24	0.04	65.04	0.188188	0.117117	7_11038318	7_11979563	7_11	0.003	0.9671	2.28
797	22634	22638	25	0.04	65.09	0.212212	0.125125	5_30056408	5_30913196	5_30	0.003	0.9671	2.27
582	3203	3213	24	0.04	65.13	0.201201	0.124124	3_104064335	3_104974525	3_104	0.003	0.9671	2.27
1919	55230	30948	27	0.04	65.18	0.23023	0.122122	13_215012282	13_215936425	13_215	0.003	0.9671	2.27
71	32242	19839	20	0.04	65.22	0.161161	0.104104	1_71065994	1_71950726	1_71	0.003	0.9673	2.27
1269	53884	24286	8	0.04	65.26	0.096096	0.053053	8_98547289	8_98985483	8_98	0.003	0.9674	2.27
1627	25614	36383	32	0.04	65.31	0.262262	0.142142	11_75009361	11_75996081	11_75	0.003	0.9675	2.27
287	37036	40349	27	0.04	65.35	0.233233	0.136136	1_287061909	1_287999039	1_287	0.003	0.9674	2.27
2224	28039	12623	22	0.04	65.4	0.217217	0.13013	15_147013651	15_147944719	15_147	0.003	0.9675	2.27
2283	12940	28241	23	0.04	65.44	0.174174	0.107107	16_48020257	16_48994238	16_48	0.003	0.9676	2.27
1149	6589	57088	30	0.04	65.48	0.243243	0.143143	7_113020823	7_113908824	7_113	0.003	0.9676	2.27

405	2374	40607	26	0.04	65.53	0.203203	0.135135	2_90053305	2_90971450	2_90	0.003	0.9675	2.27
957	17263	56288	21	0.04	65.57	0.206206	0.117117	6_78048683	6_78938720	6_78	0.003	0.9676	2.27
1761	38756	34634	16	0.04	65.61	0.148148	0.102102	13_57191330	13_57921952	13_57	0.003	0.9674	2.26
2072	11794	27527	32	0.04	65.66	0.246246	0.13013	14_149002010	14_149990362	14_149	0.003	0.9673	2.26
2040	11517	43949	26	0.04	65.7	0.188188	0.122122	14_117011153	14_117886869	14_117	0.003	0.9674	2.26
92	35188	710	24	0.04	65.74	0.198198	0.108108	1_92004937	1_92967007	1_92	0.003	0.9674	2.26
2405	28807	48091	28	0.04	65.79	0.238238	0.132132	18_13006832	18_13959002	18_13	0.003	0.9675	2.26
2216	12566	57999	25	0.04	65.83	0.187187	0.108108	15_139070668	15_139947117	15_139	0.003	0.9675	2.26
1706	9470	43237	13	0.04	65.87	0.111111	0.076076	13_2049440	13_2947636	13_2	0.003	0.9677	2.26
184	20255	1200	22	0.04	65.92	0.203203	0.123123	1_184000929	1_184954399	1_184	0.003	0.9677	2.26
1379	36229	29434	16	0.04	65.96	0.151151	0.087087	9_59032592	9_59952885	9_59	0.003	0.9677	2.25
55	439	19744	27	0.04	66.01	0.209209	0.126126	1_55012053	1_55965347	1_55	0.003	0.9677	2.25
50	19725	53398	23	0.04	66.05	0.197197	0.131131	1_50015447	1_50999817	1_50	0.003	0.9677	2.25
1892	33188	38939	25	0.04	66.09	0.212212	0.131131	13_188095940	13_188953021	13_188	0.003	0.9676	2.25
1541	8566	51447	20	0.04	66.14	0.147147	0.087087	10_67023689	10_67993259	10_67	0.003	0.9677	2.25
902	33237	41617	26	0.04	66.18	0.206206	0.116116	6_23005830	6_23918938	6_23	0.003	0.9675	2.25
1962	26860	10910	23	0.04	66.22	0.168168	0.107107	14_39015629	14_39965589	14_39	0.003	0.9676	2.25
2438	55793	13941	24	0.04	66.27	0.203203	0.12012	18_46190367	18_46983072	18_46	0.003	0.9676	2.25
1024	32024	30359	16	0.04	66.31	0.136136	0.075075	6_145065756	6_145998261	6_145	0.003	0.9677	2.25
773	4608	22515	25	0.04	66.35	0.188188	0.119119	5_6072443	5_6980596	5_6	0.003	0.9678	2.25
1726	9628	9638	25	0.04	66.4	0.206206	0.12012	13_22030419	13_22892852	13_22	0.003	0.9678	2.25
865	33611	22870	20	0.04	66.44	0.177177	0.102102	5_98025183	5_98986619	5_98	0.003	0.9678	2.24
586	40895	50683	18	0.04	66.48	0.162162	0.098098	3_108100697	3_108965502	3_108	0.003	0.9678	2.24
722	22214	22217	20	0.04	66.52	0.176176	0.116116	4_99012920	4_99808905	4_99	0.003	0.9678	2.24
1628	9093	43057	29	0.04	66.57	0.254254	0.138138	11_76044951	11_76999888	11_76	0.003	0.9679	2.24
1862	58565	10297	21	0.04	66.61	0.159159	0.1001	13_158099578	13_158992883	13_158	0.003	0.9679	2.24
258	59408	56575	18	0.04	66.65	0.131131	0.087087	1_258021815	1_258984538	1_258	0.003	0.968	2.24
643	21835	3579	30	0.04	66.7	0.235235	0.132132	4_20010437	4_20985135	4_20	0.003	0.968	2.24
1704	53457	38679	22	0.04	66.74	0.212212	0.129129	13_88939	13_978869	13_0	0.003	0.9682	2.24
1299	39715	33939	21	0.04	66.78	0.175175	0.116116	8_128039415	8_128966268	8_128	0.003	0.9682	2.24
1811	53091	52772	22	0.04	66.83	0.172172	0.112112	13_107023094	13_107980182	13_107	0.003	0.9682	2.24
668	56820	21970	19	0.04	66.87	0.146146	0.094094	4_45031120	4_45986315	4_45	0.003	0.9683	2.24
101	767	45985	26	0.04	66.91	0.183183	0.117117	1_101018800	1_101977893	1_101	0.003	0.9685	2.24
2326	28404	15858	19	0.04	66.96	0.179179	0.111111	17_4055697	17_4868955	17_4	0.003	0.9684	2.24
1521	25204	25210	22	0.04	67	0.176176	0.113113	10_47025504	10_47958278	10_47	0.003	0.9685	2.24

1326	32798	42426	19	0.04	67.04	0.154154	0.09009	9_6061399	9_6964469	9_6	0.003	0.9685	2.24
1889	10399	43531	25	0.04	67.09	0.206206	0.131131	13_185067136	13_185935406	13_185	0.003	0.9686	2.24
1230	32950	7050	7	0.04	67.13	0.08008	0.046046	8_59002816	8_59813269	8_59	0.003	0.9686	2.24
704	52553	41150	26	0.04	67.17	0.217217	0.12012	4_81026612	4_81984659	4_81	0.003	0.9687	2.24
173	1140	1146	13	0.04	67.22	0.119119	0.069069	1_173010521	1_173741598	1_173	0.003	0.9687	2.24
2002	55239	55906	28	0.04	67.26	0.221221	0.119119	14_79023018	14_79985244	14_79	0.003	0.9687	2.24
1595	8852	54236	21	0.04	67.3	0.19019	0.119119	11_43085921	11_43951738	11_43	0.003	0.9689	2.24
1687	30484	43197	25	0.04	67.34	0.201201	0.124124	12_47002609	12_47948986	12_47	0.003	0.9689	2.24
1357	10587	38255	21	0.04	67.39	0.169169	0.101101	9_37031308	9_37972729	9_37	0.003	0.9689	2.24
726	46738	35076	28	0.04	67.43	0.218218	0.131131	4_103067357	4_103960092	4_103	0.003	0.9689	2.23
105	50887	806	30	0.04	67.47	0.22022	0.12012	1_105018683	1_105985626	1_105	0.003	0.969	2.23
1449	24889	24892	29	0.04	67.52	0.197197	0.125125	9_129005001	9_129988850	9_129	0.003	0.9689	2.23
1894	38943	57167	24	0.04	67.56	0.209209	0.126126	13_190029235	13_190969594	13_190	0.003	0.9689	2.23
1602	25511	8897	20	0.04	67.6	0.188188	0.105105	11_50012027	11_50973313	11_50	0.003	0.9689	2.23
495	19363	40764	16	0.04	67.64	0.144144	0.097097	3_17091063	3_17859317	3_17	0.003	0.9688	2.23
438	21082	32175	23	0.04	67.69	0.215215	0.127127	2_123010574	2_123982380	2_123	0.003	0.9688	2.23
1030	29748	58690	22	0.04	67.73	0.174174	0.11011	6_151053568	6_151865659	6_151	0.003	0.9689	2.23
1634	34637	9166	25	0.04	67.77	0.197197	0.121121	11_82019810	11_82972974	11_82	0.003	0.9689	2.23
417	40627	2448	15	0.04	67.81	0.139139	0.093093	2_102047786	2_102986466	2_102	0.003	0.9689	2.23
2404	13720	35278	28	0.04	67.86	0.226226	0.138138	18_12050532	18_12981450	18_12	0.003	0.9689	2.23
1456	24911	8092	23	0.04	67.9	0.198198	0.133133	9_136006502	9_136977536	9_136	0.003	0.969	2.23
1593	38556	25494	16	0.04	67.94	0.175175	0.113113	11_41062108	11_41970836	11_41	0.003	0.969	2.23
2073	49544	53633	25	0.04	67.99	0.217217	0.126126	14_150010047	14_150984209	14_150	0.003	0.9689	2.22
993	5508	37793	22	0.04	68.03	0.184184	0.122122	6_114005432	6_114926648	6_114	0.003	0.9688	2.22
1838	43458	10203	18	0.04	68.07	0.151151	0.109109	13_134021456	13_134985031	13_134	0.003	0.9689	2.22
1605	8909	47371	26	0.04	68.11	0.228228	0.133133	11_53000238	11_53920963	11_53	0.003	0.9689	2.22
2045	27346	58625	23	0.04	68.16	0.191191	0.113113	14_122043297	14_122966625	14_122	0.003	0.9688	2.22
1474	17129	8199	20	0.04	68.2	0.183183	0.112112	10_6354	10_933652	10_0	0.003	0.9689	2.22
2433	28934	36288	21	0.04	68.24	0.174174	0.119119	18_41063892	18_41968802	18_41	0.003	0.9689	2.22
2117	14888	47863	26	0.04	68.28	0.221221	0.118118	15_40012527	15_40974908	15_40	0.003	0.9689	2.22
1968	10944	26913	19	0.04	68.33	0.152152	0.096096	14_45068764	14_45950397	14_45	0.003	0.9688	2.22
1636	49330	25681	24	0.04	68.37	0.197197	0.127127	11_84167373	11_84977439	11_84	0.003	0.9689	2.21
1859	18749	10284	19	0.04	68.41	0.173173	0.102102	13_155052948	13_155870725	13_155	0.003	0.969	2.21
1251	17128	59339	24	0.04	68.45	0.174174	0.096096	8_80038062	8_80973136	8_80	0.003	0.9691	2.21
1312	24406	7430	31	0.04	68.49	0.247247	0.124124	8_141003882	8_141980614	8_141	0.003	0.9692	2.21

1236	42292	24203	11	0.04	68.54	0.102102	0.058058	8_65027400	8_65954370	8_65	0.003	0.9692	2.21
18	45854	39807	23	0.04	68.58	0.191191	0.108108	1_18020929	1_18995163	1_18	0.003	0.9693	2.21
99	45981	760	22	0.04	68.62	0.199199	0.119119	1_99051689	1_99989884	1_99	0.003	0.9694	2.21
454	21154	40699	22	0.04	68.66	0.159159	0.108108	2_139037500	2_139989204	2_139	0.003	0.9694	2.21
418	34648	46451	20	0.04	68.71	0.184184	0.11011	2_103008035	2_103803677	2_103	0.003	0.9694	2.21
1668	43163	14943	19	0.04	68.75	0.165165	0.1001	12_28071542	12_28779167	12_28	0.003	0.9695	2.21
1971	26937	43754	27	0.04	68.79	0.214214	0.125125	14_48046775	14_48973279	14_48	0.003	0.9694	2.21
638	37381	3533	31	0.04	68.83	0.256256	0.119119	4_15016104	4_15977749	4_15	0.003	0.9695	2.21
147	48429	40089	21	0.04	68.87	0.174174	0.1001	1_147019363	1_147989923	1_147	0.003	0.9695	2.21
1395	7807	7818	21	0.04	68.92	0.193193	0.108108	9_75067877	9_75973705	9_75	0.003	0.9695	2.21
711	46708	22156	19	0.04	68.96	0.165165	0.096096	4_88065653	4_88946447	4_88	0.003	0.9695	2.2
1465	8143	24963	30	0.04	69	0.255255	0.131131	9_145001798	9_145998807	9_145	0.003	0.9696	2.2
310	20687	1973	16	0.04	69.04	0.144144	0.081081	1_310005846	1_310999663	1_310	0.003	0.9696	2.2
1235	2635	7065	13	0.04	69.08	0.113113	0.083083	8_64017753	8_64946356	8_64	0.003	0.9697	2.2
1972	47627	47631	22	0.04	69.13	0.198198	0.127127	14_49115640	14_49990314	14_49	0.003	0.9697	2.2
1717	52035	17912	28	0.04	69.17	0.231231	0.144144	13_13026095	13_13971542	13_13	0.003	0.9697	2.2
2132	27734	12132	19	0.04	69.21	0.184184	0.102102	15_55038222	15_55993215	15_55	0.004	0.9697	2.2
565	40856	21463	7	0.04	69.25	0.103103	0.076076	3_87200902	3_87941073	3_87	0.004	0.9697	2.2
842	54214	22797	23	0.04	69.29	0.196196	0.12012	5_75044596	5_75969214	5_75	0.004	0.9698	2.2
22	19578	19127	26	0.04	69.33	0.2002	0.13013	1_22042965	1_22993058	1_22	0.004	0.9699	2.2
1948	26773	26784	24	0.04	69.38	0.214214	0.131131	14_25077228	14_25976982	14_25	0.004	0.9698	2.2
460	31325	35487	30	0.04	69.42	0.243243	0.128128	2_145012848	2_145963826	2_145	0.004	0.9699	2.19
81	19882	52031	22	0.04	69.46	0.185185	0.111111	1_81157245	1_81998047	1_81	0.004	0.9699	2.19
2005	36169	47679	27	0.04	69.5	0.227227	0.127127	14_82017521	14_82965316	14_82	0.004	0.9698	2.19
2327	45104	13228	22	0.04	69.54	0.181181	0.108108	17_5041670	17_5999136	17_5	0.004	0.9698	2.19
2000	43829	11331	16	0.04	69.58	0.138138	0.084084	14_77013888	14_77974347	14_77	0.004	0.9698	2.19
618	30981	61276	16	0.04	69.63	0.143143	0.087087	3_140070086	3_140798715	3_140	0.004	0.9698	2.19
279	37018	58710	32	0.04	69.67	0.248248	0.133133	1_279014971	1_279972181	1_279	0.004	0.9698	2.19
583	3214	21509	20	0.04	69.71	0.177177	0.105105	3_105002922	3_105933402	3_105	0.004	0.9699	2.19
1002	41701	16563	20	0.04	69.75	0.189189	0.104104	6_123075357	6_123855372	6_123	0.004	0.9699	2.19
1340	17589	42468	28	0.04	69.79	0.225225	0.131131	9_20002748	9_20979753	9_20	0.004	0.97	2.19
263	53934	1646	17	0.04	69.83	0.119119	0.074074	1_263044178	1_263972707	1_263	0.004	0.9699	2.19
1480	38424	25033	14	0.04	69.88	0.141141	0.094094	10_6093540	10_6990318	10_6	0.004	0.9699	2.19
1725	38715	9627	25	0.04	69.92	0.204204	0.135135	13_21030064	13_21999054	13_21	0.004	0.9699	2.19
2251	29802	52603	10	0.04	69.96	0.088088	0.059059	16_16006121	16_16893013	16_16	0.004	0.9698	2.18

1015	45289	31146	20	0.04	70	0.159159	0.105105	6_136045327	6_136990113	6_136	0.004	0.9698	2.18
1390	51173	58953	25	0.04	70.04	0.201201	0.122122	9_70035504	9_70936501	9_70	0.004	0.9698	2.18
2381	28691	28701	25	0.04	70.08	0.216216	0.121121	17_59004882	17_59993508	17_59	0.004	0.9698	2.18
2238	28072	28078	29	0.04	70.12	0.215215	0.137137	16_3010789	16_3964902	16_3	0.004	0.9698	2.18
352	60206	16792	22	0.04	70.17	0.209209	0.113113	2_36008750	2_36919501	2_36	0.004	0.9698	2.18
1366	49178	50954	20	0.04	70.21	0.165165	0.099099	9_46041782	9_46991931	9_46	0.004	0.9698	2.18
1751	9794	26113	20	0.04	70.25	0.143143	0.073073	13_47007358	13_47992156	13_47	0.004	0.9698	2.18
1920	17160	29629	16	0.04	70.29	0.179179	0.121121	13_216046101	13_216721489	13_216	0.004	0.9697	2.18
1976	11004	26978	22	0.04	70.33	0.163163	0.101101	14_53021844	14_53902642	14_53	0.004	0.9696	2.18
1013	5599	45249	19	0.04	70.37	0.149149	0.101101	6_134051144	6_134996322	6_134	0.004	0.9696	2.18
1441	7997	8010	31	0.04	70.41	0.221221	0.127127	9_121014874	9_121983147	9_121	0.004	0.9696	2.18
572	3153	3161	13	0.04	70.46	0.12012	0.081081	3_94060695	3_94910712	3_94	0.004	0.9696	2.17
2246	44326	52133	20	0.04	70.5	0.168168	0.109109	16_11013570	16_11999198	16_11	0.004	0.9697	2.17
367	49893	46435	23	0.04	70.54	0.197197	0.108108	2_51003535	2_51995031	2_51	0.004	0.9698	2.17
706	46700	22141	24	0.04	70.58	0.202202	0.106106	4_83025851	4_83846382	4_83	0.004	0.9698	2.17
674	41090	3831	23	0.04	70.62	0.185185	0.124124	4_51036347	4_51937058	4_51	0.004	0.9697	2.17
1504	25138	17677	25	0.04	70.66	0.205205	0.116116	10_30012240	10_30978174	10_30	0.004	0.9698	2.17
1909	16239	45642	21	0.04	70.7	0.202202	0.129129	13_205022285	13_205872598	13_205	0.004	0.9699	2.17
1963	57119	10916	27	0.04	70.74	0.22022	0.135135	14_40008901	14_40922501	14_40	0.004	0.9699	2.17
515	58503	55385	20	0.04	70.78	0.189189	0.115115	3_37023012	3_37919636	3_37	0.004	0.97	2.17
696	37458	46678	25	0.04	70.82	0.191191	0.119119	4_73017408	4_73907009	4_73	0.004	0.9699	2.17
2557	58250	45563	14	0.04	70.87	0.132132	0.081081	19_109003374	19_109562447	19_109	0.004	0.9701	2.17
527	21348	53475	32	0.04	70.91	0.23023	0.143143	3_49011623	3_49877554	3_49	0.004	0.97	2.17
1157	23937	6673	18	0.04	70.95	0.159159	0.101101	7_121017867	7_121984372	7_121	0.004	0.9701	2.17
694	61238	46673	23	0.04	70.99	0.181181	0.115115	4_71081956	4_71941276	4_71	0.004	0.9701	2.17
336	30990	2066	26	0.04	71.03	0.199199	0.126126	2_20008168	2_20975241	2_20	0.004	0.9701	2.17
1375	24676	24680	22	0.04	71.07	0.188188	0.122122	9_55009244	9_55977696	9_55	0.004	0.9702	2.17
1621	25580	9054	21	0.04	71.11	0.187187	0.111111	11_69035486	11_69986366	11_69	0.004	0.9702	2.16
1193	18779	59134	20	0.04	71.15	0.151151	0.096096	8_22007040	8_22904022	8_22	0.004	0.9701	2.16
1910	17196	15151	22	0.04	71.19	0.188188	0.1001	13_206171736	13_206956346	13_206	0.004	0.9701	2.16
289	59996	40353	26	0.04	71.23	0.238238	0.13013	1_289048882	1_289983854	1_289	0.004	0.9701	2.16
510	34006	17010	21	0.04	71.27	0.18018	0.119119	3_32058308	3_32920176	3_32	0.004	0.9702	2.16
1702	55843	33509	32	0.04	71.31	0.26026	0.142142	12_62026594	12_62962634	12_62	0.004	0.9702	2.16
1907	26535	26540	28	0.04	71.36	0.222222	0.137137	13_203080799	13_203989627	13_203	0.004	0.9703	2.16
1192	6861	34320	23	0.04	71.4	0.198198	0.109109	8_21000928	8_21987255	8_21	0.004	0.9702	2.16

770	41351	41356	21	0.04	71.44	0.181181	0.11011	5_3060760	5_3844970	5_3	0.004	0.9702	2.16
1083	47007	23541	16	0.04	71.48	0.147147	0.094094	7_46295528	7_46996404	7_46	0.004	0.9702	2.16
1022	41725	23200	24	0.04	71.52	0.205205	0.106106	6_143021550	6_143976085	6_143	0.004	0.9703	2.16
1165	42173	6739	24	0.04	71.56	0.204204	0.124124	7_129019539	7_129994916	7_129	0.004	0.9702	2.16
1391	24746	45412	26	0.04	71.6	0.198198	0.104104	9_71170725	9_71989525	9_71	0.004	0.9702	2.15
690	46663	22040	22	0.04	71.64	0.148148	0.083083	4_67015811	4_67992709	4_67	0.004	0.9703	2.15
1517	54523	57266	22	0.04	71.68	0.166166	0.115115	10_43015513	10_43858335	10_43	0.004	0.9703	2.15
723	22219	22229	25	0.04	71.72	0.208208	0.133133	4_100212108	4_100985004	4_100	0.004	0.9704	2.15
177	1158	46156	17	0.04	71.76	0.13013	0.099099	1_177006345	1_177966091	1_177	0.004	0.9704	2.15
285	18644	40340	27	0.04	71.8	0.229229	0.133133	1_285026326	1_285985500	1_285	0.004	0.9704	2.15
342	2103	2108	29	0.04	71.84	0.219219	0.131131	2_26004268	2_26978443	2_26	0.004	0.9703	2.15
1708	33588	25928	18	0.04	71.88	0.141141	0.089089	13_4023767	13_4922900	13_4	0.004	0.9703	2.15
443	54670	46468	24	0.04	71.92	0.201201	0.121121	2_128229377	2_128982107	2_128	0.004	0.9704	2.15
75	591	19861	26	0.04	71.96	0.221221	0.12012	1_75002664	1_75994076	1_75	0.004	0.9705	2.15
54	36622	45902	17	0.04	72	0.169169	0.108108	1_54014686	1_54991599	1_54	0.004	0.9704	2.15
2004	43846	11229	28	0.04	72.04	0.221221	0.11011	14_81000356	14_81990297	14_81	0.004	0.9703	2.15
1266	56723	58266	13	0.04	72.08	0.132132	0.089089	8_95024815	8_95981359	8_95	0.004	0.9704	2.15
1785	43395	55189	19	0.04	72.12	0.152152	0.1001	13_81015331	13_81902962	13_81	0.004	0.9703	2.14
1145	42099	42101	19	0.04	72.16	0.18018	0.103103	7_109049333	7_109981964	7_109	0.004	0.9704	2.14
2360	28578	45482	21	0.04	72.2	0.194194	0.121121	17_38020355	17_38842836	17_38	0.004	0.9705	2.14
1659	25772	53295	24	0.04	72.24	0.199199	0.107107	12_19195079	12_19884388	12_19	0.004	0.9706	2.14
610	21628	21634	27	0.04	72.28	0.251251	0.143143	3_132154665	3_132947422	3_132	0.004	0.9706	2.14
2244	28095	44324	19	0.04	72.32	0.185185	0.104104	16_9060044	16_9999843	16_9	0.004	0.9706	2.14
1953	10843	10849	26	0.04	72.36	0.244244	0.132132	14_30116923	14_30970606	14_30	0.004	0.9705	2.14
1152	51192	6632	33	0.04	72.4	0.277277	0.143143	7_116032422	7_116954912	7_116	0.004	0.9705	2.14
920	18166	50247	17	0.04	72.44	0.157157	0.095095	6_41004930	6_41983038	6_41	0.004	0.9705	2.14
1493	30638	45259	30	0.04	72.48	0.26026	0.13013	10_19081508	10_19975279	10_19	0.004	0.9704	2.14
179	1169	1177	24	0.04	72.52	0.156156	0.094094	1_179002367	1_179959509	1_179	0.004	0.9705	2.14
961	5399	33393	26	0.04	72.56	0.21021	0.126126	6_82014983	6_82929466	6_82	0.004	0.9704	2.14
1559	38486	42909	24	0.04	72.6	0.207207	0.12012	11_7000946	11_7976689	11_7	0.004	0.9705	2.14
353	61746	2184	22	0.04	72.64	0.187187	0.106106	2_37273764	2_37988750	2_37	0.004	0.9705	2.14
365	37111	30623	20	0.04	72.68	0.182182	0.109109	2_49185691	2_49903368	2_49	0.004	0.9705	2.13
831	41491	37668	24	0.04	72.72	0.221221	0.134134	5_64000265	5_64971001	5_64	0.004	0.9705	2.13
748	41286	22370	16	0.04	72.76	0.152152	0.091091	4_125054205	4_125948453	4_125	0.004	0.9705	2.13
84	19900	19181	33	0.04	72.8	0.235235	0.138138	1_84007856	1_84960922	1_84	0.004	0.9705	2.13

1777	9963	56515	29	0.04	72.84	0.229229	0.123123	13_73023057	13_73966542	13_73	0.004	0.9705	2.13
2256	60138	14578	25	0.04	72.88	0.206206	0.133133	16_21011283	16_21993561	16_21	0.004	0.9705	2.13
2399	52077	15161	29	0.04	72.92	0.24024	0.134134	18_7052901	18_7985651	18_7	0.004	0.9705	2.13
734	41236	59110	18	0.04	72.96	0.15015	0.105105	4_111222199	4_111993928	4_111	0.004	0.9705	2.13
500	30480	2858	14	0.04	73	0.119119	0.077077	3_22538991	3_22983641	3_22	0.004	0.9705	2.13
697	35695	46681	25	0.04	73.04	0.193193	0.105105	4_74095578	4_74999752	4_74	0.004	0.9705	2.13
1139	6512	49056	21	0.04	73.08	0.18018	0.103103	7_103001352	7_103999954	7_103	0.004	0.9705	2.13
1306	42379	31043	20	0.04	73.12	0.168168	0.103103	8_135031919	8_135960757	8_135	0.004	0.9705	2.13
2334	48019	52200	23	0.04	73.16	0.184184	0.103103	17_12059087	17_12967074	17_12	0.004	0.9705	2.13
2260	18827	12787	22	0.04	73.2	0.177177	0.106106	16_25038049	16_25999742	16_25	0.004	0.9705	2.13
1583	8805	8808	15	0.04	73.24	0.129129	0.071071	11_31018065	11_31989556	11_31	0.004	0.9706	2.12
1529	31097	25246	17	0.04	73.28	0.164164	0.092092	10_55063135	10_55999312	10_55	0.004	0.9707	2.12
2023	59709	31236	23	0.04	73.32	0.204204	0.12012	14_100004352	14_100971708	14_100	0.004	0.9706	2.12
2094	27624	56383	27	0.04	73.36	0.189189	0.117117	15_17030766	15_17976658	15_17	0.004	0.9706	2.12
429	46459	37185	14	0.04	73.4	0.14014	0.083083	2_114047843	2_114975303	2_114	0.004	0.9706	2.12
779	41393	22547	33	0.04	73.44	0.238238	0.115115	5_12002670	5_12992563	5_12	0.004	0.9706	2.12
468	21211	33815	31	0.04	73.48	0.244244	0.142142	2_153002555	2_153940974	2_153	0.004	0.9707	2.12
1672	35905	25804	30	0.04	73.52	0.239239	0.119119	12_32009788	12_32777362	12_32	0.004	0.9707	2.12
695	32940	3965	16	0.04	73.56	0.104104	0.067067	4_72005343	4_72955795	4_72	0.004	0.9707	2.12
1784	35020	43394	11	0.04	73.6	0.107107	0.073073	13_80222278	13_80987722	13_80	0.004	0.9707	2.12
1561	25378	47329	25	0.04	73.64	0.206206	0.094094	11_9066617	11_9980144	11_9	0.004	0.9707	2.12
1793	26260	38806	28	0.04	73.67	0.214214	0.132132	13_89014753	13_89982824	13_89	0.004	0.9706	2.12
2365	44622	55572	21	0.04	73.71	0.179179	0.11011	17_43013416	17_43931913	17_43	0.004	0.9706	2.12
1609	43009	38598	16	0.04	73.75	0.172172	0.087087	11_57041894	11_57992782	11_57	0.004	0.9706	2.12
1848	10228	30828	17	0.04	73.79	0.121121	0.086086	13_144065180	13_144981309	13_144	0.004	0.9706	2.12
201	36874	20295	31	0.04	73.83	0.199199	0.115115	1_201005516	1_201988814	1_201	0.004	0.9706	2.11
843	22798	59361	13	0.04	73.87	0.102102	0.066066	5_76016635	5_76994567	5_76	0.004	0.9707	2.11
1199	24125	6914	17	0.04	73.91	0.155155	0.094094	8_28051243	8_28996107	8_28	0.004	0.9707	2.11
113	34626	52920	20	0.04	73.95	0.157157	0.091091	1_113061808	1_113930519	1_113	0.004	0.9708	2.11
1410	47276	7892	13	0.04	73.99	0.127127	0.075075	9_90001442	9_90986895	9_90	0.004	0.9707	2.11
721	46731	22211	29	0.04	74.03	0.242242	0.132132	4_98016950	4_98986789	4_98	0.004	0.9708	2.11
203	1293	33788	16	0.04	74.07	0.14014	0.091091	1_203020847	1_203809481	1_203	0.004	0.9708	2.11
1000	51607	51345	25	0.04	74.11	0.18018	0.11011	6_121120053	6_121994247	6_121	0.004	0.9708	2.11
1146	58429	38050	22	0.04	74.15	0.19019	0.114114	7_110081618	7_110993314	7_110	0.004	0.9708	2.11
712	4099	4107	21	0.04	74.18	0.17017	0.1001	4_89008992	4_89983155	4_89	0.004	0.9709	2.11

851	5055	29541	32	0.04	74.22	0.265265	0.134134	5_84005513	5_84932150	5_84	0.004	0.9709	2.11
1786	9996	43399	29	0.04	74.26	0.217217	0.12012	13_82003709	13_82988910	13_82	0.004	0.9709	2.11
1273	7214	7222	19	0.04	74.3	0.177177	0.095095	8_102008930	8_102914965	8_102	0.004	0.9709	2.11
1508	8391	25168	19	0.04	74.34	0.174174	0.098098	10_34168331	10_34945662	10_34	0.004	0.971	2.11
1676	25826	31535	26	0.04	74.38	0.219219	0.106106	12_36015100	12_36829763	12_36	0.004	0.971	2.1
2085	15676	27573	21	0.04	74.42	0.18018	0.112112	15_8023920	15_8907355	15_8	0.004	0.971	2.1
162	45571	51307	27	0.04	74.46	0.196196	0.11011	1_162006116	1_162976215	1_162	0.004	0.971	2.1
549	18957	3074	24	0.04	74.5	0.175175	0.115115	3_71100014	3_71946686	3_71	0.004	0.9711	2.1
1359	38257	14772	20	0.04	74.53	0.173173	0.11011	9_39034059	9_39882600	9_39	0.004	0.971	2.1
2033	43922	11470	23	0.04	74.57	0.209209	0.11011	14_110103413	14_110983342	14_110	0.004	0.9708	2.1
1019	5627	5634	28	0.04	74.61	0.231231	0.12012	6_140009596	6_140829602	6_140	0.004	0.9708	2.1
2418	13810	28871	28	0.04	74.65	0.247247	0.122122	18_26004852	18_26977792	18_26	0.004	0.9708	2.1
2017	52375	27198	12	0.04	74.69	0.091091	0.06006	14_94036401	14_94994468	14_94	0.004	0.9707	2.1
2196	44236	44238	17	0.04	74.73	0.135135	0.083083	15_119091942	15_119982356	15_119	0.004	0.9708	2.1
2319	32088	45124	21	0.04	74.77	0.183183	0.114114	16_84005681	16_84890972	16_84	0.004	0.9708	2.1
2138	47889	29490	13	0.04	74.81	0.124124	0.075075	15_61018550	15_61994497	15_61	0.004	0.9708	2.1
2296	35131	28284	19	0.04	74.84	0.151151	0.089089	16_61006434	16_61995301	16_61	0.004	0.9708	2.09
2305	44442	13063	27	0.04	74.88	0.209209	0.117117	16_70031425	16_70989867	16_70	0.004	0.9708	2.09
307	45528	60767	19	0.04	74.92	0.155155	0.096096	1_307006485	1_307934149	1_307	0.004	0.9709	2.09
513	2924	2927	22	0.04	74.96	0.191191	0.118118	3_35024144	3_35978570	3_35	0.004	0.9709	2.09
1986	39030	11073	20	0.04	75	0.181181	0.112112	14_63006966	14_63962796	14_63	0.004	0.9708	2.09
1686	14877	54189	23	0.04	75.04	0.185185	0.114114	12_46023473	12_46979274	12_46	0.004	0.9708	2.09
2081	11823	44077	30	0.04	75.08	0.213213	0.128128	15_4061992	15_4920014	15_4	0.004	0.9708	2.09
1155	51515	34475	26	0.04	75.11	0.197197	0.117117	7_119018157	7_119962301	7_119	0.004	0.9707	2.09
1580	42962	8784	22	0.04	75.15	0.198198	0.117117	11_28019183	11_28992353	11_28	0.004	0.9708	2.09
684	3886	35992	22	0.04	75.19	0.187187	0.112112	4_61038550	4_61946905	4_61	0.004	0.9708	2.09
1844	57629	52216	15	0.04	75.23	0.142142	0.097097	13_140032848	13_140851043	13_140	0.004	0.9709	2.09
2307	51174	48308	16	0.04	75.27	0.083083	0.053053	16_72137790	16_72978205	16_72	0.004	0.9709	2.09
1255	33058	7148	22	0.04	75.31	0.178178	0.106106	8_84029728	8_84978671	8_84	0.004	0.971	2.09
1996	11156	39059	23	0.04	75.34	0.185185	0.111111	14_73021315	14_73984104	14_73	0.004	0.9708	2.09
2441	13960	44819	19	0.04	75.38	0.191191	0.117117	18_49008785	18_49991095	18_49	0.004	0.9709	2.09
2308	28320	49641	27	0.04	75.42	0.204204	0.12012	16_73039198	16_73996806	16_73	0.004	0.9709	2.09
1592	59345	8847	12	0.04	75.46	0.122122	0.074074	11_40013884	11_40982195	11_40	0.004	0.9709	2.09
590	3263	21541	17	0.04	75.5	0.152152	0.097097	3_112022721	3_112989158	3_112	0.004	0.971	2.08
941	31745	17047	12	0.04	75.54	0.107107	0.074074	6_62176946	6_62866629	6_62	0.004	0.971	2.08

2448	28999	29008	24	0.04	75.57	0.198198	0.11011	18_56020136	18_56988923	18_56	0.004	0.9711	2.08
1279	47235	34695	22	0.04	75.61	0.191191	0.11011	8_108068948	8_108982801	8_108	0.004	0.9711	2.08
1325	60596	38220	10	0.04	75.65	0.11011	0.07007	9_5609741	9_5988229	9_5	0.004	0.9711	2.08
74	36678	19858	25	0.04	75.69	0.205205	0.108108	1_74019662	1_74974844	1_74	0.004	0.9712	2.08
1274	18584	47229	18	0.04	75.73	0.164164	0.098098	8_103005406	8_103703068	8_103	0.004	0.9711	2.08
1888	34357	60318	16	0.04	75.76	0.131131	0.093093	13_184018627	13_184921505	13_184	0.004	0.9712	2.08
1929	26641	61516	22	0.04	75.8	0.2002	0.11011	14_6036903	14_6992243	14_6	0.004	0.9712	2.08
1392	60561	18765	21	0.04	75.84	0.162162	0.094094	9_72053046	9_72946896	9_72	0.004	0.9712	2.08
844	61670	37683	23	0.04	75.88	0.191191	0.106106	5_77016025	5_77994370	5_77	0.004	0.9711	2.08
2469	29064	30247	13	0.04	75.92	0.085085	0.06006	19_16023625	19_16831825	19_16	0.004	0.9712	2.08
1132	54761	6452	26	0.04	75.95	0.234234	0.109109	7_96000929	7_96970994	7_96	0.004	0.9711	2.07
2291	49628	44413	20	0.04	75.99	0.144144	0.085085	16_56029991	16_56950872	16_56	0.004	0.9711	2.07
1138	23834	38044	23	0.04	76.03	0.176176	0.108108	7_102013846	7_102949951	7_102	0.004	0.971	2.07
1612	47390	8973	16	0.04	76.07	0.137137	0.083083	11_60026383	11_60976002	11_60	0.004	0.971	2.07
2491	29091	14138	15	0.04	76.11	0.091091	0.063063	19_38023389	19_38708793	19_38	0.004	0.9711	2.07
1604	61681	25521	22	0.04	76.14	0.202202	0.116116	11_52010601	11_52969628	11_52	0.004	0.9711	2.07
1262	38164	49136	20	0.04	76.18	0.174174	0.111111	8_91033467	8_91991327	8_91	0.004	0.9711	2.07
2222	12608	44292	27	0.04	76.22	0.205205	0.112112	15_145007171	15_145990809	15_145	0.004	0.9711	2.07
2021	11363	43897	23	0.04	76.26	0.184184	0.117117	14_98020117	14_98941715	14_98	0.004	0.971	2.07
1600	8877	59105	26	0.04	76.3	0.223223	0.118118	11_48014416	11_48937000	11_48	0.004	0.971	2.07
482	16759	16986	16	0.04	76.33	0.146146	0.094094	3_4049332	3_4980011	3_4	0.004	0.971	2.07
2390	28760	15313	26	0.04	76.37	0.213213	0.115115	17_68031429	17_68990915	17_68	0.004	0.971	2.07
327	33139	15348	17	0.04	76.41	0.139139	0.088088	2_11066709	2_11888058	2_11	0.004	0.9711	2.07
1553	8601	25342	20	0.04	76.45	0.157157	0.1001	11_1000228	11_1873897	11_1	0.004	0.9711	2.07
992	29558	16483	19	0.04	76.48	0.169169	0.089089	6_113074700	6_113818056	6_113	0.004	0.9711	2.07
323	54914	20737	20	0.04	76.52	0.169169	0.104104	2_7016156	2_7998883	2_7	0.004	0.9711	2.07
1435	39645	7974	15	0.04	76.56	0.139139	0.077077	9_115076491	9_115974419	9_115	0.004	0.9711	2.06
710	22147	22151	19	0.04	76.6	0.156156	0.1001	4_87007876	4_87889676	4_87	0.004	0.9711	2.06
1982	43779	51270	22	0.04	76.63	0.18018	0.117117	14_59004595	14_59986607	14_59	0.004	0.9709	2.06
257	36982	14478	28	0.04	76.67	0.192192	0.115115	1_257001258	1_257954281	1_257	0.004	0.971	2.06
1305	53922	33229	23	0.04	76.71	0.206206	0.12012	8_134024195	8_134960890	8_134	0.004	0.971	2.06
714	4116	46722	23	0.04	76.75	0.171171	0.108108	4_91007286	4_91938171	4_91	0.004	0.971	2.06
1746	16269	9769	12	0.04	76.78	0.11011	0.07007	13_42026635	13_42923109	13_42	0.004	0.9711	2.06
425	37172	37174	21	0.04	76.82	0.16016	0.095095	2_110005387	2_110955851	2_110	0.004	0.971	2.06
1616	8997	55570	16	0.04	76.86	0.155155	0.096096	11_64018740	11_64928776	11_64	0.004	0.971	2.06

1709	47431	25934	18	0.04	76.9	0.165165	0.098098	13_5013989	13_5963268	13_5	0.004	0.971	2.06
23	45415	183	21	0.04	76.93	0.189189	0.104104	1_23041590	1_23952116	1_23	0.004	0.9711	2.06
648	37405	21866	27	0.04	76.97	0.2002	0.117117	4_25019533	4_25984211	4_25	0.004	0.971	2.05
42	61252	348	20	0.04	77.01	0.169169	0.098098	1_42076935	1_42964863	1_42	0.004	0.9711	2.05
1318	15864	55548	24	0.04	77.05	0.202202	0.13013	8_147002408	8_147963935	8_147	0.004	0.9711	2.05
271	1703	20495	21	0.04	77.08	0.125125	0.076076	1_271028077	1_271984966	1_271	0.004	0.9711	2.05
1301	49143	30100	24	0.04	77.12	0.197197	0.119119	8_130012979	8_130997013	8_130	0.004	0.9711	2.05
107	19994	19999	29	0.04	77.16	0.236236	0.138138	1_107013020	1_107964728	1_107	0.004	0.9711	2.05
53	419	36621	24	0.04	77.2	0.185185	0.118118	1_53023914	1_53978051	1_53	0.004	0.9711	2.05
98	45980	752	17	0.04	77.23	0.143143	0.099099	1_98048248	1_98992614	1_98	0.004	0.9711	2.05
858	46870	37708	31	0.04	77.27	0.25025	0.13013	5_91016023	5_91976333	5_91	0.004	0.9711	2.05
669	3787	41084	16	0.04	77.31	0.148148	0.084084	4_46040879	4_46986125	4_46	0.004	0.9711	2.05
1720	58329	9593	21	0.04	77.34	0.177177	0.096096	13_16082398	13_16946257	13_16	0.004	0.9711	2.05
553	35325	61996	13	0.04	77.38	0.128128	0.085085	3_75020115	3_75980661	3_75	0.004	0.9712	2.05
698	22082	48720	19	0.04	77.42	0.179179	0.099099	4_75016304	4_75991872	4_75	0.004	0.9712	2.05
1980	43776	11033	20	0.04	77.46	0.158158	0.104104	14_57113686	14_57982523	14_57	0.004	0.9711	2.05
2091	27608	11902	17	0.04	77.49	0.152152	0.105105	15_14019896	15_14940640	15_14	0.004	0.9711	2.05
1755	9824	53467	19	0.04	77.53	0.158158	0.102102	13_51115180	13_51982923	13_51	0.004	0.971	2.05
2478	55085	59759	13	0.04	77.57	0.112112	0.076076	19_25015600	19_25930877	19_25	0.004	0.9712	2.05
2057	59279	11648	27	0.04	77.6	0.23023	0.114114	14_134026947	14_134988252	14_134	0.004	0.9713	2.05
136	947	950	15	0.04	77.64	0.134134	0.087087	1_136015038	1_136891518	1_136	0.004	0.9713	2.05
1469	31132	24979	20	0.04	77.68	0.168168	0.103103	9_149000274	9_149972040	9_149	0.004	0.9712	2.05
833	14412	48843	25	0.04	77.71	0.208208	0.116116	5_66015525	5_66918435	5_66	0.004	0.9713	2.05
1394	25003	57148	19	0.04	77.75	0.162162	0.093093	9_74006034	9_74961114	9_74	0.004	0.9712	2.04
1965	26887	47615	18	0.04	77.79	0.181181	0.106106	14_42013177	14_42997445	14_42	0.004	0.9711	2.04
1787	53061	31248	27	0.04	77.82	0.221221	0.115115	13_83003977	13_83965641	13_83	0.004	0.9711	2.04
2408	13744	60027	23	0.04	77.86	0.172172	0.109109	18_16004972	18_16922697	18_16	0.004	0.9711	2.04
1080	6030	23526	26	0.04	77.9	0.227227	0.111111	7_43037006	7_43924915	7_43	0.004	0.9711	2.04
2564	14278	34635	10	0.04	77.93	0.099099	0.069069	19_116033785	19_116843785	19_116	0.004	0.9712	2.04
2375	57872	13567	25	0.04	77.97	0.229229	0.123123	17_53166870	17_53996435	17_53	0.004	0.9712	2.04
52	45898	19734	24	0.04	78.01	0.214214	0.125125	1_52062069	1_52999008	1_52	0.004	0.9712	2.04
546	3054	21418	21	0.04	78.04	0.161161	0.086086	3_68009516	3_68984089	3_68	0.004	0.9712	2.04
1985	11064	43795	18	0.04	78.08	0.137137	0.086086	14_62002777	14_62975744	14_62	0.004	0.9712	2.04
28	35046	221	25	0.04	78.12	0.214214	0.12012	1_28073469	1_28899322	1_28	0.004	0.9712	2.04
1440	18433	7996	19	0.04	78.15	0.163163	0.094094	9_120039871	9_120972491	9_120	0.004	0.9712	2.04

1806	35880	10100	11	0.04	78.19	0.099099	0.059059	13_102377734	13_102985566	13_102	0.004	0.9712	2.04
593	40910	57175	23	0.04	78.23	0.188188	0.112112	3_115009623	3_115996607	3_115	0.004	0.9713	2.04
793	4741	57971	14	0.04	78.26	0.116116	0.076076	5_26081086	5_26929026	5_26	0.004	0.9712	2.04
716	4133	22177	26	0.04	78.3	0.187187	0.103103	4_93043178	4_93979546	4_93	0.004	0.9712	2.04
2226	12631	16591	25	0.04	78.34	0.2002	0.115115	15_149140529	15_149953164	15_149	0.004	0.9712	2.04
2331	32511	58474	25	0.04	78.37	0.216216	0.122122	17_9014186	17_9992606	17_9	0.004	0.9712	2.04
2428	36233	55359	21	0.04	78.41	0.159159	0.092092	18_36145263	18_36938024	18_36	0.004	0.9712	2.03
743	41269	41272	22	0.04	78.45	0.171171	0.102102	4_120018660	4_120910957	4_120	0.004	0.9713	2.03
856	5080	5085	18	0.04	78.48	0.173173	0.098098	5_89017490	5_89879433	5_89	0.004	0.9713	2.03
1531	8506	8509	22	0.04	78.52	0.187187	0.102102	10_57044576	10_57997759	10_57	0.004	0.9713	2.03
2467	14076	18054	15	0.04	78.56	0.109109	0.07007	19_14154082	19_14724810	19_14	0.004	0.9713	2.03
2025	11391	39118	16	0.04	78.59	0.149149	0.091091	14_102136878	14_102988071	14_102	0.004	0.9712	2.03
2330	44499	28423	26	0.04	78.63	0.205205	0.12012	17_8048013	17_8987674	17_8	0.004	0.9712	2.03
364	2269	53385	17	0.04	78.66	0.153153	0.104104	2_48125078	2_48927541	2_48	0.004	0.9713	2.03
1611	47388	8964	14	0.04	78.7	0.136136	0.079079	11_59012574	11_59978485	11_59	0.004	0.9712	2.03
956	50125	29287	17	0.04	78.74	0.13013	0.071071	6_77035698	6_77847902	6_77	0.004	0.9712	2.03
1679	33814	30363	23	0.04	78.77	0.174174	0.093093	12_39046315	12_39992894	12_39	0.004	0.9713	2.03
1722	59215	61918	25	0.04	78.81	0.203203	0.12012	13_18076357	13_18960253	13_18	0.004	0.9713	2.03
80	58855	19881	24	0.04	78.85	0.178178	0.095095	1_80057576	1_80997487	1_80	0.004	0.9713	2.03
96	729	54275	24	0.04	78.88	0.201201	0.108108	1_96015876	1_96971456	1_96	0.004	0.9713	2.03
693	22058	45095	22	0.04	78.92	0.151151	0.093093	4_70092569	4_70979785	4_70	0.004	0.9713	2.02
82	50124	652	23	0.04	78.95	0.19019	0.11011	1_82050327	1_82964894	1_82	0.004	0.9713	2.02
1043	5735	59074	23	0.04	78.99	0.164164	0.092092	7_6000797	7_6955465	7_6	0.004	0.9713	2.02
2114	12032	45481	23	0.04	79.03	0.187187	0.118118	15_37073268	15_37957138	15_37	0.004	0.9713	2.02
1534	53777	8529	21	0.04	79.06	0.185185	0.113113	10_60034333	10_60981442	10_60	0.004	0.9713	2.02
626	40968	59395	24	0.04	79.1	0.196196	0.104104	4_3004624	4_3984843	4_3	0.004	0.9714	2.02
2068	58897	44040	27	0.04	79.13	0.197197	0.111111	14_145001826	14_145945750	14_145	0.004	0.9715	2.02
1323	16236	62053	18	0.04	79.17	0.17017	0.109109	9_3016833	9_3993696	9_3	0.004	0.9715	2.02
2450	55697	29015	19	0.04	79.21	0.137137	0.078078	18_58006718	18_58958866	18_58	0.004	0.9715	2.02
1724	32249	59457	25	0.04	79.24	0.213213	0.118118	13_20004436	13_20991970	13_20	0.004	0.9715	2.02
2273	12883	12890	27	0.04	79.28	0.19019	0.111111	16_38004706	16_38989787	16_38	0.004	0.9715	2.02
1144	47158	51503	18	0.04	79.31	0.167167	0.1001	7_108071051	7_108972110	7_108	0.004	0.9715	2.02
2007	11245	43857	24	0.04	79.35	0.176176	0.094094	14_84042439	14_84917246	14_84	0.004	0.9715	2.02
2423	50754	61143	24	0.04	79.38	0.19019	0.107107	18_31024660	18_31995431	18_31	0.004	0.9715	2.02
1511	51024	59520	16	0.04	79.42	0.146146	0.09009	10_37039997	10_37984810	10_37	0.004	0.9716	2.02

2328	13229	35077	18	0.04	79.46	0.158158	0.095095	17_6024213	17_6989362	17_6	0.004	0.9716	2.02
2402	44734	56864	23	0.04	79.49	0.187187	0.111111	18_10016629	18_10868283	18_10	0.004	0.9716	2.02
2466	29055	30755	17	0.04	79.53	0.135135	0.083083	19_13085711	19_13993116	19_13	0.004	0.9716	2.02
412	40618	2422	18	0.04	79.56	0.175175	0.098098	2_97005674	2_97884804	2_97	0.004	0.9716	2.02
1291	53845	7318	21	0.04	79.6	0.217217	0.128128	8_120028517	8_120996107	8_120	0.004	0.9717	2.02
2269	12847	36370	22	0.04	79.63	0.155155	0.09009	16_34003949	16_34854206	16_34	0.004	0.9717	2.02
1990	47650	11116	21	0.04	79.67	0.157157	0.098098	14_67012779	14_67973978	14_67	0.004	0.9716	2.01
61	39921	497	25	0.04	79.71	0.197197	0.109109	1_61002086	1_61949887	1_61	0.004	0.9716	2.01
1596	8861	8865	8	0.04	79.74	0.073073	0.044044	11_44023659	11_44981824	11_44	0.004	0.9716	2.01
2060	44006	47812	24	0.04	79.78	0.169169	0.089089	14_137063119	14_137930060	14_137	0.004	0.9716	2.01
1450	49198	50352	15	0.04	79.81	0.136136	0.083083	9_130460937	9_130992209	9_130	0.004	0.9716	2.01
587	3233	3240	20	0.04	79.85	0.174174	0.107107	3_109026074	3_109964781	3_109	0.004	0.9716	2.01
1415	24811	53117	20	0.04	79.88	0.171171	0.11011	9_95008515	9_95973005	9_95	0.004	0.9716	2.01
19	48399	19566	28	0.04	79.92	0.23023	0.132132	1_19017181	1_19992800	1_19	0.004	0.9716	2.01
406	37135	40611	22	0.04	79.95	0.16016	0.087087	2_91003962	2_91992594	2_91	0.004	0.9715	2.01
1466	8157	31453	26	0.04	79.99	0.2002	0.108108	9_146021041	9_146997147	9_146	0.004	0.9715	2.01
324	20738	52444	27	0.04	80.03	0.193193	0.096096	2_8022443	2_8997005	2_8	0.004	0.9716	2.01
1229	7043	24201	18	0.04	80.06	0.141141	0.089089	8_58000986	8_58901257	8_58	0.004	0.9716	2.01
138	20078	40073	18	0.04	80.1	0.162162	0.105105	1_138050612	1_138927010	1_138	0.004	0.9717	2.01
140	977	20087	16	0.04	80.13	0.134134	0.08008	1_140022043	1_140842490	1_140	0.004	0.9717	2.01
1775	38786	26194	22	0.04	80.17	0.177177	0.11011	13_71007063	13_71998014	13_71	0.004	0.9718	2.01
1050	23338	5803	24	0.04	80.2	0.178178	0.099099	7_13023831	7_13906473	7_13	0.004	0.9718	2.01
109	54801	36750	17	0.04	80.24	0.161161	0.091091	1_109003582	1_109912929	1_109	0.004	0.9718	2.01
2101	57738	45658	14	0.04	80.27	0.136136	0.076076	15_24019575	15_24972365	15_24	0.004	0.9718	2.01
2105	27663	59905	20	0.04	80.31	0.14014	0.085085	15_28020404	15_28991507	15_28	0.004	0.9718	2.01
1959	47603	43714	22	0.04	80.34	0.184184	0.108108	14_36026991	14_36990529	14_36	0.004	0.9717	2
686	22021	55977	17	0.04	80.38	0.143143	0.091091	4_63054580	4_63988841	4_63	0.004	0.9716	2
1510	45136	8399	22	0.04	80.41	0.163163	0.101101	10_36057791	10_36991693	10_36	0.004	0.9717	2
1364	16627	7675	13	0.04	80.45	0.113113	0.075075	9_44432191	9_44949057	9_44	0.004	0.9717	2
1378	24686	35799	12	0.04	80.48	0.093093	0.057057	9_58065674	9_58958297	9_58	0.004	0.9717	2
354	52281	40532	16	0.04	80.52	0.113113	0.07007	2_38144228	2_38997845	2_38	0.004	0.9717	2
647	21856	52159	16	0.04	80.55	0.128128	0.077077	4_24167536	4_24884374	4_24	0.004	0.9717	2
444	2621	17641	24	0.04	80.59	0.214214	0.11011	2_129003155	2_129999370	2_129	0.004	0.9717	2
1296	7334	18435	16	0.04	80.62	0.148148	0.096096	8_125012854	8_125885539	8_125	0.004	0.9717	2
205	40189	20308	26	0.04	80.66	0.219219	0.117117	1_205020361	1_205994796	1_205	0.004	0.9717	2

2115	45050	50545	19	0.04	80.69	0.165165	0.098098	15_38041906	15_38894354	15_38	0.004	0.9717	2
2284	28242	28245	20	0.04	80.73	0.159159	0.088088	16_49050041	16_49868072	16_49	0.004	0.9718	2
2015	11305	43879	20	0.03	80.76	0.153153	0.093093	14_92014581	14_92993972	14_92	0.004	0.9718	2
213	40199	20327	20	0.03	80.8	0.184184	0.11011	1_213014666	1_213874782	1_213	0.004	0.9718	2
569	31009	17174	12	0.03	80.83	0.112112	0.075075	3_91123979	3_91605127	3_91	0.004	0.9717	2
1563	59349	42924	21	0.03	80.87	0.173173	0.097097	11_11007618	11_11968518	11_11	0.004	0.9717	2
356	2192	48540	23	0.03	80.9	0.2002	0.099099	2_40072508	2_40993644	2_40	0.004	0.9717	2
1361	36017	24998	19	0.03	80.94	0.153153	0.096096	9_41043659	9_41978500	9_41	0.004	0.9717	1.99
2329	58631	18713	19	0.03	80.97	0.15015	0.108108	17_7027710	17_7923768	17_7	0.004	0.9717	1.99
69	549	553	22	0.03	81.01	0.198198	0.109109	1_69039001	1_69968051	1_69	0.004	0.9718	1.99
1955	51375	43700	17	0.03	81.04	0.138138	0.091091	14_32000259	14_32974206	14_32	0.004	0.9717	1.99
750	4430	14793	19	0.03	81.08	0.189189	0.113113	4_127072671	4_127895687	4_127	0.004	0.9718	1.99
708	51990	21893	26	0.03	81.11	0.196196	0.114114	4_85011629	4_85824398	4_85	0.004	0.9718	1.99
1373	47265	42547	21	0.03	81.15	0.177177	0.097097	9_53008122	9_53975532	9_53	0.004	0.9719	1.99
1564	25395	8680	23	0.03	81.18	0.192192	0.113113	11_12012805	11_12925634	11_12	0.004	0.9719	1.99
2380	44678	28690	20	0.03	81.22	0.152152	0.092092	17_58007799	17_58990101	17_58	0.004	0.9719	1.99
1661	38645	38646	21	0.03	81.25	0.158158	0.086086	12_21017764	12_21955485	12_21	0.004	0.9719	1.99
2368	55597	54153	26	0.03	81.29	0.201201	0.103103	17_46016364	17_46995794	17_46	0.004	0.9719	1.99
1167	6746	42182	11	0.03	81.32	0.102102	0.063063	7_131014179	7_131361899	7_131	0.004	0.9719	1.99
2324	13194	13200	20	0.03	81.36	0.151151	0.099099	17_2011617	17_2991834	17_2	0.004	0.9719	1.99
1835	10176	50151	12	0.03	81.39	0.121121	0.075075	13_131037563	13_131889566	13_131	0.004	0.972	1.99
996	23113	14773	17	0.03	81.43	0.145145	0.073073	6_117172816	6_117926852	6_117	0.004	0.972	1.99
1453	51398	8072	22	0.03	81.46	0.198198	0.097097	9_133007769	9_133969269	9_133	0.004	0.972	1.99
2409	28829	13760	16	0.03	81.49	0.116116	0.072072	18_17013331	18_17876780	18_17	0.004	0.972	1.98
72	19840	574	27	0.03	81.53	0.2002	0.121121	1_72028362	1_72982828	1_72	0.004	0.9721	1.98
1142	6524	6538	28	0.03	81.56	0.216216	0.115115	7_106002380	7_106937807	7_106	0.004	0.9722	1.98
120	20034	52208	25	0.03	81.6	0.216216	0.113113	1_120136077	1_120994029	1_120	0.004	0.9722	1.98
1930	10620	36194	25	0.03	81.63	0.191191	0.105105	14_7028801	14_7976149	14_7	0.004	0.9722	1.98
1442	52512	59241	22	0.03	81.67	0.18018	0.098098	9_122036577	9_122944920	9_122	0.004	0.9722	1.98
1047	23316	5775	18	0.03	81.7	0.118118	0.071071	7_10052645	7_10964520	7_10	0.004	0.9722	1.98
945	30289	16795	17	0.03	81.74	0.146146	0.095095	6_66072075	6_66952267	6_66	0.004	0.9722	1.98
2008	43858	35529	15	0.03	81.77	0.116116	0.059059	14_85028953	14_85991839	14_85	0.004	0.9722	1.98
1537	56537	18536	27	0.03	81.8	0.211211	0.113113	10_63088598	10_63934312	10_63	0.004	0.9722	1.98
1470	18814	24982	18	0.03	81.84	0.154154	0.085085	9_150097891	9_150980233	9_150	0.004	0.9722	1.98
1297	54817	7338	18	0.03	81.87	0.141141	0.093093	8_126024923	8_126952312	8_126	0.004	0.9723	1.98

2295	28275	56116	27	0.03	81.91	0.178178	0.117117	16_60082082	16_60988882	16_60	0.004	0.9723	1.98
86	51445	19912	18	0.03	81.94	0.148148	0.091091	1_86014836	1_86991865	1_86	0.004	0.9722	1.98
2481	14115	58372	12	0.03	81.97	0.102102	0.066066	19_28014791	19_28988256	19_28	0.004	0.9723	1.98
1657	9262	17231	21	0.03	82.01	0.186186	0.097097	12_17081939	12_17946048	12_17	0.004	0.9723	1.98
2046	53060	39149	23	0.03	82.04	0.186186	0.118118	14_123006309	14_123957615	14_123	0.004	0.9723	1.98
2301	13036	28297	13	0.03	82.08	0.133133	0.084084	16_66016093	16_66914976	16_66	0.004	0.9723	1.98
345	32744	20816	20	0.03	82.11	0.169169	0.095095	2_29115937	2_29795889	2_29	0.004	0.9723	1.97
122	52120	40042	17	0.03	82.15	0.152152	0.094094	1_122019338	1_122922363	1_122	0.004	0.9723	1.97
827	41479	4894	19	0.03	82.18	0.167167	0.098098	5_60243565	5_60978291	5_60	0.004	0.9723	1.97
602	3327	21601	19	0.03	82.21	0.108108	0.067067	3_124002113	3_124901557	3_124	0.004	0.9724	1.97
27	36519	214	19	0.03	82.25	0.166166	0.111111	1_27020977	1_27899646	1_27	0.004	0.9725	1.97
1893	15960	10432	19	0.03	82.28	0.158158	0.104104	13_189125669	13_189990288	13_189	0.004	0.9724	1.97
1845	43467	51393	21	0.03	82.32	0.183183	0.108108	13_141032836	13_141902985	13_141	0.004	0.9725	1.97
563	54568	3128	19	0.03	82.35	0.147147	0.084084	3_85125505	3_85886007	3_85	0.004	0.9725	1.97
2163	27797	27803	22	0.03	82.38	0.175175	0.103103	15_86048980	15_86976928	15_86	0.004	0.9725	1.97
1519	29913	38459	16	0.03	82.42	0.133133	0.072072	10_45101309	10_45903094	10_45	0.004	0.9725	1.97
2092	54749	50716	23	0.03	82.45	0.178178	0.102102	15_15047103	15_15904702	15_15	0.004	0.9725	1.97
2401	28788	44733	21	0.03	82.48	0.176176	0.102102	18_9010445	18_9979869	18_9	0.004	0.9724	1.97
1895	26501	33348	17	0.03	82.52	0.143143	0.093093	13_191101378	13_191971388	13_191	0.004	0.9724	1.97
124	895	36766	20	0.03	82.55	0.14014	0.093093	1_124014542	1_124987731	1_124	0.004	0.9725	1.97
2205	39348	12494	19	0.03	82.59	0.16016	0.087087	15_128002384	15_128894663	15_128	0.004	0.9726	1.97
357	2202	2225	25	0.03	82.62	0.218218	0.118118	2_41011761	2_41998239	2_41	0.004	0.9726	1.97
401	2345	20942	19	0.03	82.65	0.167167	0.108108	2_86090869	2_86970329	2_86	0.004	0.9726	1.97
890	15889	41604	18	0.03	82.69	0.151151	0.104104	6_11003757	6_11989602	6_11	0.004	0.9725	1.97
2434	28937	48119	21	0.03	82.72	0.187187	0.1001	18_42030856	18_42938796	18_42	0.004	0.9725	1.97
800	4774	50667	20	0.03	82.75	0.165165	0.1001	5_33007354	5_33957565	5_33	0.004	0.9725	1.97
2488	48311	52236	14	0.03	82.79	0.121121	0.078078	19_35034444	19_35838914	19_35	0.004	0.9725	1.97
2303	45432	28301	21	0.03	82.82	0.173173	0.095095	16_68067101	16_68845016	16_68	0.004	0.9725	1.97
114	53035	36756	17	0.03	82.85	0.138138	0.081081	1_114015245	1_114984686	1_114	0.004	0.9725	1.97
200	1272	20291	18	0.03	82.89	0.144144	0.075075	1_200027513	1_200973888	1_200	0.004	0.9725	1.97
849	5041	5049	21	0.03	82.92	0.17017	0.099099	5_82045018	5_82988313	5_82	0.004	0.9725	1.97
1239	29922	7089	13	0.03	82.95	0.124124	0.082082	8_68055002	8_68896436	8_68	0.004	0.9726	1.97
368	2287	57780	10	0.03	82.99	0.09009	0.058058	2_52013286	2_52674728	2_52	0.004	0.9726	1.97
617	58200	9423	21	0.03	83.02	0.202202	0.12012	3_139055473	3_139956551	3_139	0.004	0.9726	1.97
409	2403	46447	12	0.03	83.06	0.115115	0.077077	2_94085488	2_94631894	2_94	0.004	0.9725	1.96

1445	47290	24877	18	0.03	83.09	0.144144	0.09009	9_125100668	9_125928425	9_125	0.004	0.9726	1.96
975	32278	34060	12	0.03	83.12	0.112112	0.065065	6_96057833	6_96764659	6_96	0.004	0.9726	1.96
1756	9830	9834	24	0.03	83.16	0.186186	0.106106	13_52016944	13_52962019	13_52	0.004	0.9725	1.96
969	49991	16685	17	0.03	83.19	0.145145	0.088088	6_90124294	6_90920481	6_90	0.004	0.9725	1.96
1867	15397	57476	16	0.03	83.22	0.112112	0.07007	13_163002035	13_163963155	13_163	0.004	0.9724	1.96
1782	19421	16161	14	0.03	83.25	0.124124	0.077077	13_78016930	13_78972578	13_78	0.004	0.9724	1.96
65	50270	36650	34	0.03	83.29	0.285285	0.146146	1_65008123	1_65994430	1_65	0.004	0.9724	1.96
1693	9419	32021	24	0.03	83.32	0.168168	0.096096	12_53007660	12_53999623	12_53	0.004	0.9724	1.96
298	40378	40381	22	0.03	83.35	0.157157	0.09009	1_298042326	1_298972575	1_298	0.004	0.9724	1.96
1162	23970	49082	23	0.03	83.39	0.206206	0.119119	7_126014404	7_126852902	7_126	0.004	0.9724	1.96
1923	43597	49442	20	0.03	83.42	0.168168	0.091091	14_167845	14_957393	14_0	0.004	0.9725	1.96
2209	27936	56680	26	0.03	83.45	0.209209	0.121121	15_132116033	15_132949028	15_132	0.004	0.9725	1.96
264	36114	40284	15	0.03	83.49	0.137137	0.077077	1_264047505	1_264938853	1_264	0.004	0.9725	1.96
1088	37933	41943	23	0.03	83.52	0.216216	0.116116	7_51027425	7_51991520	7_51	0.004	0.9725	1.96
471	57006	61257	26	0.03	83.55	0.183183	0.083083	2_156071705	2_156982877	2_156	0.004	0.9725	1.96
319	48515	20702	15	0.03	83.59	0.136136	0.091091	2_3024804	2_3972464	2_3	0.004	0.9725	1.96
2298	13017	34982	15	0.03	83.62	0.145145	0.078078	16_63072207	16_63944017	16_63	0.004	0.9725	1.96
1377	24684	54474	15	0.03	83.65	0.131131	0.076076	9_57027600	9_57905817	9_57	0.004	0.9724	1.95
411	56707	20980	17	0.03	83.69	0.127127	0.079079	2_96053472	2_96992420	2_96	0.004	0.9724	1.95
1237	7073	38144	10	0.03	83.72	0.091091	0.069069	8_66072630	8_66847097	8_66	0.004	0.9725	1.95
901	41616	34796	15	0.03	83.75	0.144144	0.085085	6_22021386	6_22868204	6_22	0.004	0.9724	1.95
2276	39440	12909	21	0.03	83.79	0.159159	0.103103	16_41035539	16_41985204	16_41	0.004	0.9724	1.95
2292	28260	25466	17	0.03	83.82	0.153153	0.101101	16_57003945	16_57990322	16_57	0.004	0.9723	1.95
16	48394	18555	28	0.03	83.85	0.241241	0.128128	1_16038746	1_16870187	1_16	0.004	0.9725	1.95
1997	39060	39065	16	0.03	83.88	0.13013	0.078078	14_74155370	14_74990114	14_74	0.004	0.9724	1.95
2250	33334	45602	17	0.03	83.92	0.127127	0.069069	16_15022443	16_15992155	16_15	0.004	0.9724	1.95
172	58719	17815	18	0.03	83.95	0.117117	0.073073	1_172013706	1_172960921	1_172	0.004	0.9724	1.95
2551	44959	29147	8	0.03	83.98	0.08008	0.049049	19_103011287	19_103657659	19_103	0.004	0.9724	1.95
2051	47784	47788	15	0.03	84.02	0.099099	0.046046	14_128001688	14_128987436	14_128	0.004	0.9725	1.95
2249	12721	30312	18	0.03	84.05	0.166166	0.097097	16_14013912	16_14823848	16_14	0.004	0.9725	1.95
1805	52500	10098	17	0.03	84.08	0.138138	0.083083	13_101029096	13_101993885	13_101	0.005	0.9724	1.95
206	36887	36890	19	0.03	84.11	0.138138	0.083083	1_206003777	1_206994869	1_206	0.005	0.9724	1.95
2422	55319	13856	27	0.03	84.15	0.165165	0.099099	18_30091996	18_30963795	18_30	0.005	0.9724	1.95
707	4076	22145	19	0.03	84.18	0.155155	0.105105	4_84090680	4_84983220	4_84	0.005	0.9724	1.95
1479	51717	8238	22	0.03	84.21	0.176176	0.117117	10_5008012	10_5973172	10_5	0.005	0.9724	1.95

1853	57739	43486	14	0.03	84.25	0.134134	0.081081	13_149037360	13_149983411	13_149	0.005	0.9725	1.94
1780	34725	60459	16	0.03	84.28	0.144144	0.079079	13_76136374	13_76870123	13_76	0.005	0.9724	1.94
873	22894	5207	21	0.03	84.31	0.173173	0.104104	5_106014977	5_106979109	5_106	0.005	0.9725	1.94
1351	15307	7628	23	0.03	84.34	0.172172	0.097097	9_31072493	9_31940771	9_31	0.005	0.9725	1.94
1096	6190	6195	23	0.03	84.38	0.15015	0.085085	7_59039109	7_59986169	7_59	0.005	0.9724	1.94
1183	14727	38092	24	0.03	84.41	0.166166	0.101101	8_12144490	8_12984077	8_12	0.005	0.9724	1.94
2437	54052	18288	21	0.03	84.44	0.182182	0.115115	18_45142069	18_45949396	18_45	0.005	0.9724	1.94
176	46150	20221	21	0.03	84.47	0.147147	0.086086	1_176015699	1_176979355	1_176	0.005	0.9724	1.94
821	18149	46840	11	0.03	84.51	0.089089	0.064064	5_54100199	5_54967272	5_54	0.005	0.9725	1.94
1566	58185	8686	21	0.03	84.54	0.192192	0.099099	11_14013915	11_14978831	11_14	0.005	0.9726	1.94
1407	33069	29544	11	0.03	84.57	0.114114	0.077077	9_87009539	9_87977671	9_87	0.005	0.9725	1.94
2341	13304	44529	30	0.03	84.6	0.263263	0.123123	17_19005250	17_19978814	17_19	0.005	0.9726	1.94
641	37386	3558	21	0.03	84.64	0.176176	0.101101	4_18008464	4_18995385	4_18	0.005	0.9726	1.94
1877	43517	43519	14	0.03	84.67	0.111111	0.077077	13_173078781	13_173838695	13_173	0.005	0.9726	1.94
1638	15653	32721	7	0.03	84.7	0.087087	0.052052	11_86035052	11_86676975	11_86	0.005	0.9727	1.94
570	30508	57437	16	0.03	84.73	0.143143	0.091091	3_92012330	3_92847118	3_92	0.005	0.9726	1.94
67	36653	32143	24	0.03	84.77	0.186186	0.093093	1_67050038	1_67951385	1_67	0.005	0.9727	1.94
1150	6597	38063	23	0.03	84.8	0.165165	0.09009	7_114081936	7_114977348	7_114	0.005	0.9728	1.94
1374	7727	24675	20	0.03	84.83	0.162162	0.099099	9_54010624	9_54991166	9_54	0.005	0.9729	1.94
2285	56469	53505	14	0.03	84.86	0.118118	0.085085	16_50384871	16_50977092	16_50	0.005	0.9729	1.94
517	56924	48619	8	0.03	84.9	0.081081	0.051051	3_39128984	3_39992614	3_39	0.005	0.9729	1.94
2254	28126	12747	20	0.03	84.93	0.176176	0.098098	16_19022068	16_19997593	16_19	0.005	0.9729	1.94
2	19451	39756	29	0.03	84.96	0.236236	0.124124	1_2010349	1_2995480	1_2	0.005	0.9729	1.94
1830	43450	56363	15	0.03	84.99	0.111111	0.067067	13_126026173	13_126943274	13_126	0.005	0.9729	1.94
189	36824	16802	14	0.03	85.03	0.11011	0.063063	1_189025116	1_189978659	1_189	0.005	0.9729	1.94
683	3866	3882	18	0.03	85.06	0.168168	0.101101	4_60030169	4_60899193	4_60	0.005	0.9729	1.93
231	34522	61459	26	0.03	85.09	0.219219	0.102102	1_231003149	1_231932843	1_231	0.005	0.973	1.93
1677	52789	25830	18	0.03	85.12	0.136136	0.074074	12_37005248	12_37778827	12_37	0.005	0.973	1.93
1497	30190	49268	14	0.03	85.15	0.102102	0.059059	10_23465107	10_23970024	10_23	0.005	0.973	1.93
968	35273	58618	20	0.03	85.19	0.194194	0.125125	6_89123167	6_89986075	6_89	0.005	0.973	1.93
1040	23258	48953	19	0.03	85.22	0.165165	0.084084	7_3056769	7_3993079	7_3	0.005	0.973	1.93
2457	54441	44855	26	0.03	85.25	0.203203	0.108108	19_4006006	19_4977485	19_4	0.005	0.973	1.93
882	59770	54161	21	0.03	85.28	0.161161	0.096096	6_3005254	6_3976131	6_3	0.005	0.9731	1.93
1099	6208	47043	24	0.03	85.32	0.175175	0.091091	7_62010270	7_62985009	7_62	0.005	0.9731	1.93
1902	15463	10477	14	0.03	85.35	0.109109	0.061061	13_198071598	13_198933332	13_198	0.005	0.9731	1.93

1799	37420	10072	15	0.03	85.38	0.138138	0.085085	13_95181013	13_95969499	13_95	0.005	0.9731	1.93
126	46036	36768	17	0.03	85.41	0.142142	0.089089	1_126271024	1_126961319	1_126	0.005	0.9731	1.93
1	39749	17	23	0.03	85.44	0.179179	0.108108	1_1049272	1_1958514	1_1	0.005	0.9731	1.93
776	41383	22526	21	0.03	85.48	0.148148	0.097097	5_9096232	5_9942508	5_9	0.005	0.9732	1.93
1227	7034	7036	8	0.03	85.51	0.08008	0.055055	8_56064449	8_56805057	8_56	0.005	0.9733	1.93
1842	26367	26370	20	0.03	85.54	0.178178	0.102102	13_138039183	13_138941535	13_138	0.005	0.9733	1.93
1362	8190	61588	15	0.03	85.57	0.146146	0.093093	9_42014140	9_42938387	9_42	0.005	0.9733	1.93
1759	56861	38754	22	0.03	85.6	0.158158	0.111111	13_55049361	13_55993218	13_55	0.005	0.9733	1.93
1387	33254	51176	19	0.03	85.63	0.152152	0.103103	9_67063113	9_67814275	9_67	0.005	0.9733	1.93
1025	34853	5672	20	0.03	85.67	0.167167	0.097097	6_146248545	6_146923286	6_146	0.005	0.9733	1.93
2280	39448	28227	16	0.03	85.7	0.161161	0.102102	16_45027412	16_45829750	16_45	0.005	0.9734	1.93
2264	45160	44369	22	0.03	85.73	0.153153	0.093093	16_29044133	16_29952113	16_29	0.005	0.9734	1.93
1188	29688	15068	25	0.03	85.76	0.183183	0.107107	8_17019937	8_17992352	8_17	0.005	0.9734	1.93
306	1952	48501	26	0.03	85.79	0.181181	0.095095	1_306010138	1_306907352	1_306	0.005	0.9734	1.93
2206	14907	61833	19	0.03	85.83	0.159159	0.091091	15_129031744	15_129798767	15_129	0.005	0.9735	1.93
90	45959	697	18	0.03	85.86	0.145145	0.075075	1_90085632	1_90991697	1_90	0.005	0.9735	1.92
1007	33730	5582	20	0.03	85.89	0.169169	0.096096	6_128062298	6_128989993	6_128	0.005	0.9735	1.92
130	46045	929	21	0.03	85.92	0.152152	0.092092	1_130035771	1_130848369	1_130	0.005	0.9735	1.92
1119	23711	61620	13	0.03	85.95	0.116116	0.072072	7_82003775	7_82993422	7_82	0.005	0.9734	1.92
1249	56689	24235	20	0.03	85.98	0.193193	0.108108	8_78021944	8_78996665	8_78	0.005	0.9734	1.92
654	21887	41040	18	0.03	86.01	0.144144	0.09009	4_31003651	4_31982461	4_31	0.005	0.9734	1.92
841	22788	41528	17	0.03	86.05	0.144144	0.08008	5_74020663	5_74804208	5_74	0.005	0.9735	1.92
655	3670	37429	19	0.03	86.08	0.161161	0.093093	4_32034432	4_32960684	4_32	0.005	0.9734	1.92
937	50009	29369	6	0.03	86.11	0.077077	0.048048	6_58080576	6_58859012	6_58	0.005	0.9735	1.92
759	55823	22436	22	0.03	86.14	0.159159	0.096096	4_136004128	4_136979735	4_136	0.005	0.9735	1.92
2322	28388	13180	21	0.03	86.17	0.169169	0.103103	17_15175	17_927919	17_0	0.005	0.9736	1.92
293	40360	20605	24	0.03	86.2	0.2002	0.102102	1_293020147	1_293991451	1_293	0.005	0.9735	1.92
2493	14146	61919	10	0.03	86.23	0.079079	0.054054	19_40075262	19_40954819	19_40	0.005	0.9736	1.92
155	40101	1050	25	0.03	86.27	0.205205	0.125125	1_155011670	1_155984596	1_155	0.005	0.9736	1.92
1298	58793	7341	17	0.03	86.3	0.157157	0.105105	8_127052406	8_127976364	8_127	0.005	0.9736	1.92
1778	16584	32736	22	0.03	86.33	0.174174	0.101101	13_74047780	13_74874236	13_74	0.005	0.9735	1.92
525	59494	2950	13	0.03	86.36	0.123123	0.08008	3_47040078	3_47979489	3_47	0.005	0.9735	1.92
1821	51646	47490	11	0.03	86.39	0.108108	0.074074	13_117014839	13_117860412	13_117	0.005	0.9735	1.92
1949	26783	10812	21	0.03	86.42	0.171171	0.093093	14_26020243	14_26951421	14_26	0.005	0.9735	1.92
598	3310	33552	17	0.03	86.45	0.151151	0.099099	3_120040818	3_120863426	3_120	0.005	0.9735	1.92

70	554	19836	24	0.03	86.48	0.209209	0.108108	1_70002082	1_70950692	1_70	0.005	0.9736	1.92
1562	47331	57928	17	0.03	86.52	0.146146	0.086086	11_10051760	11_10801527	11_10	0.005	0.9736	1.92
713	46714	4115	16	0.03	86.55	0.127127	0.067067	4_90010895	4_90944979	4_90	0.005	0.9736	1.92
26	205	53569	24	0.03	86.58	0.188188	0.106106	1_26091832	1_26995287	1_26	0.005	0.9736	1.91
1100	23647	41997	19	0.03	86.61	0.162162	0.103103	7_63074243	7_63961157	7_63	0.005	0.9736	1.91
347	56000	53156	23	0.03	86.64	0.188188	0.086086	2_31062461	2_31950516	2_31	0.005	0.9736	1.91
1413	51718	24810	17	0.03	86.67	0.126126	0.075075	9_93035029	9_93976824	9_93	0.005	0.9736	1.91
1594	14540	30172	13	0.03	86.7	0.129129	0.085085	11_42043634	11_42953643	11_42	0.005	0.9736	1.91
494	45465	19141	20	0.03	86.73	0.205205	0.101101	3_16029880	3_16920601	3_16	0.005	0.9736	1.91
2229	55291	30146	18	0.03	86.76	0.144144	0.089089	15_152015494	15_152938240	15_152	0.005	0.9736	1.91
333	60918	33459	16	0.03	86.8	0.117117	0.063063	2_17143182	2_17903452	2_17	0.005	0.9736	1.91
1345	18378	18505	16	0.03	86.83	0.157157	0.096096	9_25082159	9_25971114	9_25	0.005	0.9736	1.91
1432	24841	42634	17	0.03	86.86	0.13013	0.085085	9_112012220	9_112995189	9_112	0.005	0.9736	1.91
1406	24799	30566	14	0.03	86.89	0.119119	0.072072	9_86034248	9_86869637	9_86	0.005	0.9736	1.91
2204	39346	27915	21	0.03	86.92	0.168168	0.096096	15_127201004	15_127982302	15_127	0.005	0.9736	1.91
1403	57288	42610	15	0.03	86.95	0.12012	0.068068	9_83104537	9_83986835	9_83	0.005	0.9736	1.91
1254	7134	7138	17	0.03	86.98	0.154154	0.089089	8_83018908	8_83968789	8_83	0.005	0.9736	1.91
1899	38951	30784	11	0.03	87.01	0.093093	0.062062	13_195007274	13_195871973	13_195	0.005	0.9736	1.91
461	21183	18269	24	0.03	87.04	0.177177	0.122122	2_146108194	2_146937364	2_146	0.005	0.9737	1.91
649	3626	61543	24	0.03	87.08	0.203203	0.088088	4_26012865	4_26994265	4_26	0.005	0.9737	1.91
1574	8741	8745	20	0.03	87.11	0.181181	0.091091	11_22013261	11_22990483	11_22	0.005	0.9737	1.91
491	31278	2825	19	0.03	87.14	0.159159	0.091091	3_13040547	3_13922837	3_13	0.005	0.9737	1.91
1768	26168	38772	17	0.03	87.17	0.142142	0.086086	13_64033973	13_64999793	13_64	0.005	0.9737	1.91
2247	12709	28104	17	0.03	87.2	0.156156	0.098098	16_12073651	16_12976031	16_12	0.005	0.9737	1.91
1248	7118	33432	19	0.03	87.23	0.183183	0.107107	8_77021275	8_77966205	8_77	0.005	0.9738	1.91
1545	18323	60676	14	0.03	87.26	0.112112	0.071071	10_71078073	10_71713257	10_71	0.005	0.9738	1.91
805	4801	4806	18	0.03	87.29	0.119119	0.062062	5_38006963	5_38988849	5_38	0.005	0.9738	1.91
839	22778	4985	21	0.03	87.32	0.159159	0.095095	5_72009882	5_72971559	5_72	0.005	0.9738	1.91
2306	28315	31773	25	0.03	87.35	0.175175	0.095095	16_71043012	16_71984043	16_71	0.005	0.9738	1.91
1194	35004	18179	24	0.03	87.38	0.174174	0.095095	8_23033602	8_23935848	8_23	0.005	0.9738	1.91
1477	15976	25019	21	0.03	87.41	0.161161	0.091091	10_3049187	10_3998062	10_3	0.005	0.9738	1.91
1926	26615	10597	18	0.03	87.44	0.14014	0.083083	14_3034421	14_3966701	14_3	0.005	0.9738	1.91
1769	26170	43367	23	0.03	87.48	0.166166	0.101101	13_65025003	13_65952730	13_65	0.005	0.9738	1.9
1277	15787	30800	15	0.03	87.51	0.115115	0.067067	8_106188404	8_106921098	8_106	0.005	0.9738	1.9
804	61199	46814	20	0.03	87.54	0.141141	0.077077	5_37025932	5_37974847	5_37	0.005	0.9738	1.9

2151	32293	61304	16	0.03	87.57	0.139139	0.083083	15_74096437	15_74750835	15_74	0.005	0.9739	1.9
462	36434	36220	15	0.03	87.6	0.127127	0.078078	2_147103000	2_147952931	2_147	0.005	0.9739	1.9
2164	44194	61218	21	0.03	87.63	0.177177	0.111111	15_87027499	15_87942801	15_87	0.005	0.9739	1.9
21	59958	19577	21	0.03	87.66	0.174174	0.102102	1_21017894	1_21899292	1_21	0.005	0.9739	1.9
1598	8870	15264	22	0.03	87.69	0.205205	0.114114	11_46050226	11_46997995	11_46	0.005	0.9739	1.9
1975	47635	36432	19	0.03	87.72	0.145145	0.092092	14_52003103	14_52994112	14_52	0.005	0.9738	1.9
1356	38251	32207	14	0.03	87.75	0.122122	0.072072	9_36041037	9_36913567	9_36	0.005	0.9738	1.9
2411	28833	48096	14	0.03	87.78	0.123123	0.07007	18_19003450	18_19972451	18_19	0.005	0.9738	1.9
924	51442	60367	11	0.03	87.81	0.114114	0.073073	6_45460886	6_45906794	6_45	0.005	0.9739	1.9
1258	30390	59350	17	0.03	87.84	0.151151	0.078078	8_87000474	8_87939339	8_87	0.005	0.9738	1.9
558	3105	21456	19	0.03	87.87	0.161161	0.109109	3_80053531	3_80978886	3_80	0.005	0.9739	1.9
2141	12191	12200	17	0.03	87.9	0.146146	0.092092	15_64019259	15_64980103	15_64	0.005	0.9739	1.9
1871	26454	16773	18	0.03	87.93	0.16016	0.09009	13_167022760	13_167997645	13_167	0.005	0.9739	1.9
2103	34907	44108	13	0.03	87.96	0.11011	0.066066	15_26156628	15_26975496	15_26	0.005	0.9739	1.9
1308	30257	14621	17	0.03	87.99	0.17017	0.086086	8_137006114	8_137855568	8_137	0.005	0.9739	1.9
1584	38540	47346	18	0.03	88.02	0.177177	0.094094	11_32013457	11_32853032	11_32	0.005	0.9739	1.9
2335	28428	28453	25	0.03	88.05	0.208208	0.12012	17_13015931	17_13983032	17_13	0.005	0.9739	1.9
537	21384	21386	17	0.03	88.08	0.134134	0.084084	3_59012808	3_59995247	3_59	0.005	0.9739	1.9
1396	24759	7829	19	0.03	88.11	0.164164	0.113113	9_76041058	9_76981023	9_76	0.005	0.974	1.9
1715	29335	45146	26	0.03	88.14	0.195195	0.111111	13_11019769	13_11949152	13_11	0.005	0.974	1.89
919	56822	18333	21	0.03	88.17	0.171171	0.082082	6_40053845	6_40937247	6_40	0.005	0.974	1.89
1690	9402	25876	21	0.03	88.2	0.175175	0.09009	12_50043147	12_50907615	12_50	0.005	0.974	1.89
859	41563	53421	15	0.03	88.23	0.115115	0.08008	5_92073891	5_92957318	5_92	0.005	0.974	1.89
1240	15821	47211	19	0.03	88.26	0.151151	0.094094	8_69039573	8_69998730	8_69	0.005	0.9741	1.89
1719	43256	25981	26	0.03	88.29	0.202202	0.116116	13_15058867	13_15976193	13_15	0.005	0.9741	1.89
2100	50128	32380	15	0.03	88.32	0.128128	0.074074	15_23067061	15_23987116	15_23	0.005	0.974	1.89
399	20929	37124	19	0.03	88.35	0.144144	0.09009	2_84026553	2_84987807	2_84	0.005	0.974	1.89
262	1631	20442	15	0.03	88.39	0.109109	0.069069	1_262039871	1_262967147	1_262	0.005	0.974	1.89
1122	53085	47114	19	0.03	88.42	0.159159	0.084084	7_86017385	7_86955735	7_86	0.005	0.974	1.89
991	56220	18151	20	0.03	88.45	0.163163	0.074074	6_112091485	6_112990093	6_112	0.005	0.974	1.89
2300	44436	13031	16	0.03	88.48	0.161161	0.094094	16_65033887	16_65908026	16_65	0.005	0.9739	1.89
615	40958	51601	12	0.03	88.51	0.119119	0.068068	3_137058702	3_137907270	3_137	0.005	0.974	1.89
990	57369	51975	16	0.03	88.54	0.148148	0.086086	6_111047373	6_111974448	6_111	0.005	0.974	1.89
1833	10173	53050	13	0.03	88.56	0.136136	0.084084	13_129157229	13_129811274	13_129	0.005	0.9741	1.89
808	61891	37601	18	0.03	88.59	0.132132	0.076076	5_41151243	5_41831002	5_41	0.005	0.9741	1.89

292	18920	37049	22	0.03	88.62	0.174174	0.109109	1_292036476	1_292998740	1_292	0.005	0.9741	1.89
1006	55733	17029	17	0.03	88.65	0.124124	0.071071	6_127003301	6_127961520	6_127	0.005	0.974	1.89
938	52125	56491	10	0.03	88.68	0.08008	0.051051	6_59213073	6_59962739	6_59	0.005	0.9741	1.89
2364	13489	44623	17	0.03	88.71	0.131131	0.07007	17_42024585	17_42998995	17_42	0.005	0.974	1.89
183	1189	1194	19	0.03	88.74	0.156156	0.105105	1_183094335	1_183971871	1_183	0.005	0.974	1.89
2106	45643	39240	29	0.03	88.77	0.264264	0.11011	15_29029368	15_29947470	15_29	0.005	0.9741	1.88
1341	24536	61555	28	0.03	88.8	0.201201	0.117117	9_21032490	9_21990942	9_21	0.005	0.9741	1.88
2029	39130	27265	18	0.03	88.83	0.15015	0.092092	14_106074877	14_106992825	14_106	0.005	0.974	1.88
980	35612	37781	24	0.03	88.86	0.192192	0.106106	6_101036334	6_101986509	6_101	0.005	0.974	1.88
1961	52781	34552	21	0.03	88.89	0.176176	0.09009	14_38017404	14_38996258	14_38	0.005	0.9741	1.88
2420	13836	16284	14	0.03	88.92	0.141141	0.075075	18_28006207	18_28845095	18_28	0.005	0.9741	1.88
2266	12822	12829	22	0.03	88.95	0.194194	0.107107	16_31016837	16_31983325	16_31	0.005	0.9741	1.88
1851	15606	26395	14	0.03	88.98	0.113113	0.067067	13_147060010	13_147984539	13_147	0.005	0.9741	1.88
603	15834	40935	23	0.03	89.01	0.174174	0.101101	3_125018914	3_125979839	3_125	0.005	0.9742	1.88
1503	25131	8374	16	0.03	89.04	0.139139	0.094094	10_29045919	10_29991683	10_29	0.005	0.9742	1.88
193	40177	1252	17	0.03	89.07	0.153153	0.071071	1_193062563	1_193998587	1_193	0.005	0.9742	1.88
2378	49689	28679	24	0.03	89.1	0.217217	0.129129	17_56020741	17_56981167	17_56	0.005	0.9742	1.88
962	53460	59865	18	0.03	89.13	0.153153	0.079079	6_83038514	6_83954643	6_83	0.005	0.9742	1.88
1896	16270	36022	19	0.03	89.16	0.162162	0.09009	13_192020407	13_192997770	13_192	0.005	0.9742	1.88
1683	43188	58317	21	0.03	89.19	0.186186	0.109109	12_43068568	12_43987384	12_43	0.005	0.9743	1.88
1554	42889	42892	19	0.03	89.22	0.171171	0.093093	11_2038539	11_2964267	11_2	0.005	0.9743	1.88
1271	24291	24294	16	0.03	89.25	0.155155	0.081081	8_100219507	8_100921095	8_100	0.005	0.9743	1.88
431	2535	21047	19	0.03	89.28	0.162162	0.091091	2_116053045	2_116939471	2_116	0.005	0.9742	1.88
971	33304	58628	16	0.03	89.31	0.141141	0.094094	6_92269778	6_92978013	6_92	0.005	0.9743	1.88
1571	32103	31549	18	0.03	89.34	0.151151	0.086086	11_19306043	11_19998464	11_19	0.005	0.9743	1.88
78	621	18214	20	0.03	89.37	0.165165	0.088088	1_78021030	1_78960119	1_78	0.005	0.9743	1.88
2430	32781	57380	17	0.03	89.4	0.135135	0.08008	18_38093304	18_38804587	18_38	0.005	0.9742	1.88
1518	25193	31354	20	0.03	89.43	0.148148	0.09009	10_44144334	10_44971089	10_44	0.005	0.9743	1.88
782	37544	56372	21	0.03	89.46	0.165165	0.104104	5_15052496	5_15908465	5_15	0.005	0.9743	1.88
1163	42164	6718	25	0.03	89.48	0.164164	0.082082	7_127042709	7_127959806	7_127	0.005	0.9743	1.88
559	21457	36248	16	0.03	89.51	0.144144	0.091091	3_81005314	3_81986256	3_81	0.005	0.9743	1.88
906	22965	29298	16	0.03	89.54	0.129129	0.076076	6_27402328	6_27995521	6_27	0.005	0.9744	1.88
1175	53940	6769	14	0.03	89.57	0.122122	0.064064	8_4017057	8_4961037	8_4	0.005	0.9744	1.88
688	22029	41111	19	0.03	89.6	0.144144	0.088088	4_65016011	4_65976827	4_65	0.005	0.9744	1.88
335	15309	51754	25	0.03	89.63	0.202202	0.12012	2_19099121	2_19991449	2_19	0.005	0.9744	1.88

2214	12540	44255	23	0.03	89.66	0.182182	0.099099	15_137038624	15_137973386	15_137	0.005	0.9744	1.88
2410	17427	28834	15	0.03	89.69	0.126126	0.084084	18_18053144	18_18911413	18_18	0.005	0.9744	1.88
338	2077	40486	20	0.03	89.72	0.18018	0.099099	2_22230468	2_22996263	2_22	0.005	0.9745	1.87
1031	34144	23224	26	0.03	89.75	0.198198	0.112112	6_152208520	6_152976959	6_152	0.005	0.9745	1.87
1767	33639	9906	13	0.03	89.78	0.115115	0.08008	13_63250705	13_63994105	13_63	0.005	0.9744	1.87
1284	7274	61595	13	0.03	89.81	0.123123	0.076076	8_113050594	8_113825992	8_113	0.005	0.9745	1.87
1797	30209	38825	15	0.03	89.84	0.12012	0.082082	13_93191917	13_93956431	13_93	0.005	0.9745	1.87
242	54165	58127	24	0.03	89.86	0.206206	0.114114	1_242079698	1_242984908	1_242	0.005	0.9745	1.87
339	46425	40489	21	0.03	89.89	0.183183	0.1001	2_23018675	2_23936325	2_23	0.005	0.9746	1.87
1551	29275	31887	16	0.03	89.92	0.128128	0.086086	10_77119998	10_77903646	10_77	0.005	0.9745	1.87
148	20119	1020	17	0.03	89.95	0.136136	0.077077	1_148033568	1_148999915	1_148	0.005	0.9745	1.87
1111	37986	37989	17	0.03	89.98	0.14014	0.086086	7_74030057	7_74980796	7_74	0.005	0.9745	1.87
891	22929	52834	19	0.03	90.01	0.175175	0.082082	6_12005914	6_12980787	6_12	0.005	0.9745	1.87
1979	39017	57764	14	0.03	90.04	0.11011	0.06006	14_56002473	14_56894114	14_56	0.005	0.9745	1.87
1261	24263	7167	16	0.03	90.07	0.154154	0.079079	8_90096395	8_90995810	8_90	0.005	0.9744	1.87
1819	26321	31172	12	0.03	90.1	0.101101	0.063063	13_115027431	13_115846455	13_115	0.005	0.9744	1.87
117	36762	48422	20	0.03	90.13	0.139139	0.09009	1_117018825	1_117930744	1_117	0.005	0.9744	1.87
1685	25858	16781	24	0.03	90.15	0.199199	0.107107	12_45034446	12_45985058	12_45	0.005	0.9744	1.87
1012	16379	23170	17	0.03	90.18	0.139139	0.096096	6_133030240	6_133929215	6_133	0.005	0.9744	1.87
2183	61219	27857	17	0.03	90.21	0.135135	0.075075	15_106045290	15_106977147	15_106	0.005	0.9744	1.87
1333	42453	7540	20	0.03	90.24	0.171171	0.092092	9_13001247	9_13977765	9_13	0.005	0.9744	1.87
1881	34925	60213	16	0.03	90.27	0.139139	0.078078	13_177033643	13_177999254	13_177	0.005	0.9744	1.87
1267	32646	7198	10	0.03	90.3	0.087087	0.055055	8_96051658	8_96992033	8_96	0.005	0.9743	1.87
2104	27659	27662	15	0.03	90.33	0.129129	0.061061	15_27006998	15_27957695	15_27	0.005	0.9743	1.87
2586	45015	14343	20	0.03	90.36	0.145145	0.079079	19_138175988	19_138988497	19_138	0.005	0.9744	1.87
2162	34679	27800	20	0.03	90.38	0.165165	0.092092	15_85023476	15_85874505	15_85	0.005	0.9744	1.87
157	1061	61987	18	0.03	90.41	0.12012	0.084084	1_157003137	1_157966730	1_157	0.005	0.9744	1.87
102	39994	19971	17	0.03	90.44	0.169169	0.095095	1_102071378	1_102718610	1_102	0.005	0.9744	1.87
143	54626	57690	15	0.03	90.47	0.112112	0.066066	1_143013233	1_143979942	1_143	0.005	0.9744	1.87
149	36791	20124	9	0.03	90.5	0.068068	0.05005	1_149045152	1_149860127	1_149	0.005	0.9744	1.86
1370	60090	45237	20	0.03	90.53	0.154154	0.089089	9_50024764	9_50962419	9_50	0.005	0.9744	1.86
187	20273	55985	20	0.03	90.56	0.161161	0.089089	1_187044656	1_187930689	1_187	0.005	0.9744	1.86
624	4578	21669	25	0.03	90.59	0.212212	0.112112	4_1003897	4_1996854	4_1	0.005	0.9744	1.86
984	5478	23100	16	0.03	90.61	0.127127	0.076076	6_105043606	6_105987112	6_105	0.005	0.9744	1.86
1513	55805	38450	17	0.03	90.64	0.145145	0.088088	10_39007437	10_39667084	10_39	0.005	0.9744	1.86

2197	39316	12447	24	0.03	90.67	0.187187	0.102102	15_120015248	15_120942551	15_120	0.005	0.9744	1.86
1422	59248	24831	15	0.03	90.7	0.108108	0.069069	9_102081959	9_102920120	9_102	0.005	0.9744	1.86
705	4058	4068	22	0.03	90.73	0.135135	0.079079	4_82027009	4_82971117	4_82	0.005	0.9744	1.86
1037	46949	46954	14	0.03	90.76	0.143143	0.076076	7_48748	7_992405	7_0	0.005	0.9744	1.86
619	3396	57721	21	0.03	90.78	0.171171	0.093093	3_141006420	3_141885076	3_141	0.005	0.9745	1.86
104	54519	55902	22	0.03	90.81	0.183183	0.099099	1_104002361	1_104937362	1_104	0.005	0.9745	1.86
77	29511	36684	21	0.03	90.84	0.14014	0.079079	1_77011485	1_77999034	1_77	0.005	0.9746	1.86
2235	44393	12650	19	0.03	90.87	0.155155	0.081081	16_15148	16_973962	16_0	0.005	0.9746	1.86
419	52106	36463	12	0.03	90.9	0.097097	0.057057	2_104256453	2_104830050	2_104	0.005	0.9746	1.86
2233	55732	28058	11	0.03	90.93	0.099099	0.053053	15_156048507	15_156955591	15_156	0.005	0.9746	1.86
885	62032	22920	20	0.03	90.95	0.167167	0.112112	6_6052681	6_6921532	6_6	0.005	0.9747	1.86
2203	39339	39345	18	0.03	90.98	0.123123	0.067067	15_126029433	15_126862449	15_126	0.005	0.9748	1.86
2589	56026	15779	10	0.03	91.01	0.105105	0.074074	19_141270018	19_141996499	19_141	0.005	0.9748	1.86
2080	14524	27558	26	0.03	91.04	0.213213	0.119119	15_3017242	15_3985728	15_3	0.005	0.9748	1.86
1849	15373	59786	19	0.03	91.07	0.149149	0.085085	13_145009805	13_145772058	13_145	0.005	0.9748	1.86
1232	7052	17227	7	0.03	91.1	0.082082	0.051051	8_61100526	8_61872918	8_61	0.005	0.9749	1.86
2258	12768	12772	14	0.03	91.12	0.117117	0.066066	16_23020285	16_23986785	16_23	0.005	0.9749	1.86
1294	34692	7327	12	0.03	91.15	0.118118	0.069069	8_123027874	8_123996880	8_123	0.005	0.9749	1.86
2123	27711	39255	9	0.03	91.18	0.076076	0.051051	15_46072177	15_46554052	15_46	0.005	0.9749	1.86
1565	25401	38511	19	0.03	91.21	0.155155	0.092092	11_13033569	11_13983161	11_13	0.005	0.975	1.86
1669	34952	17691	9	0.03	91.24	0.08008	0.054054	12_29022063	12_29700187	12_29	0.005	0.975	1.86
1116	6302	6311	21	0.03	91.26	0.152152	0.087087	7_79025097	7_79997832	7_79	0.005	0.975	1.86
1028	5679	50895	15	0.03	91.29	0.102102	0.058058	6_149094962	6_149758688	6_149	0.005	0.975	1.86
1195	29447	16102	17	0.03	91.32	0.121121	0.065065	8_24033377	8_24901498	8_24	0.005	0.975	1.86
2561	14262	34117	19	0.03	91.35	0.137137	0.085085	19_113078996	19_113962590	19_113	0.005	0.9751	1.86
278	1735	46383	25	0.03	91.38	0.202202	0.104104	1_278256541	1_278989901	1_278	0.005	0.9751	1.86
614	60112	58635	21	0.03	91.4	0.169169	0.092092	3_136029014	3_136995452	3_136	0.005	0.9751	1.86
2090	27601	27609	20	0.03	91.43	0.143143	0.073073	15_13000324	15_13990176	15_13	0.005	0.9751	1.86
480	32077	61938	16	0.03	91.46	0.115115	0.068068	3_2013852	3_2992936	3_2	0.005	0.9752	1.85
380	32083	48550	13	0.03	91.49	0.111111	0.067067	2_65057680	2_65994755	2_65	0.005	0.9751	1.85
2167	27824	12318	29	0.03	91.51	0.237237	0.106106	15_90039878	15_90992066	15_90	0.005	0.9751	1.85
1601	57979	47361	17	0.03	91.54	0.15015	0.086086	11_49121567	11_49990774	11_49	0.005	0.9752	1.85
719	22191	35230	25	0.03	91.57	0.196196	0.115115	4_96048342	4_96996047	4_96	0.005	0.9751	1.85
691	34624	52522	22	0.03	91.6	0.161161	0.1001	4_68024939	4_68766745	4_68	0.005	0.9752	1.85
1772	52171	9941	17	0.03	91.62	0.156156	0.096096	13_68100531	13_68968779	13_68	0.005	0.9752	1.85

981	46921	23089	15	0.03	91.65	0.133133	0.086086	6_102098390	6_102973310	6_102	0.005	0.9751	1.85
922	48276	14624	18	0.03	91.68	0.156156	0.093093	6_43076940	6_43969345	6_43	0.005	0.9751	1.85
166	20193	17078	21	0.03	91.71	0.148148	0.093093	1_166046787	1_166934229	1_166	0.005	0.9751	1.85
2207	12503	14405	24	0.03	91.73	0.175175	0.101101	15_130001470	15_130968782	15_130	0.005	0.9751	1.85
430	37184	2534	11	0.03	91.76	0.082082	0.057057	2_115000618	2_115815947	2_115	0.005	0.9752	1.85
977	41681	56425	15	0.03	91.79	0.14014	0.076076	6_98001106	6_98924562	6_98	0.005	0.9752	1.85
2038	11499	18041	19	0.03	91.82	0.138138	0.08008	14_115013554	14_115960354	14_115	0.005	0.9751	1.85
441	2607	45560	20	0.03	91.84	0.166166	0.095095	2_126022431	2_126984010	2_126	0.005	0.9752	1.85
606	48654	21618	22	0.03	91.87	0.182182	0.094094	3_128135951	3_128988657	3_128	0.005	0.9752	1.85
2133	44158	47882	13	0.03	91.9	0.107107	0.069069	15_56060543	15_56937444	15_56	0.005	0.9752	1.85
2588	14344	15258	13	0.03	91.93	0.123123	0.072072	19_140000914	19_140920145	19_140	0.005	0.9752	1.85
2553	14228	29149	9	0.03	91.95	0.092092	0.05005	19_105103691	19_105978406	19_105	0.005	0.9753	1.85
1502	59887	30820	16	0.03	91.98	0.123123	0.073073	10_28265646	10_28963569	10_28	0.005	0.9753	1.85
451	30625	59596	26	0.03	92.01	0.173173	0.092092	2_136043108	2_136947901	2_136	0.005	0.9753	1.85
780	22548	55397	23	0.03	92.04	0.182182	0.112112	5_13000041	5_13990580	5_13	0.005	0.9753	1.85
943	45773	39692	19	0.03	92.06	0.145145	0.08008	6_64020985	6_64915744	6_64	0.005	0.9753	1.85
1463	54512	17582	24	0.03	92.09	0.192192	0.101101	9_143029683	9_143890847	9_143	0.005	0.9753	1.85
1826	10143	10147	13	0.03	92.12	0.116116	0.073073	13_122042291	13_122946774	13_122	0.005	0.9753	1.85
2279	14366	28225	16	0.03	92.15	0.124124	0.065065	16_44062106	16_44919236	16_44	0.005	0.9754	1.85
854	34683	31894	22	0.03	92.17	0.175175	0.096096	5_87048659	5_87950997	5_87	0.005	0.9753	1.85
580	46511	40883	25	0.03	92.2	0.186186	0.105105	3_102090846	3_102994163	3_102	0.005	0.9754	1.85
1309	54482	7411	25	0.03	92.23	0.199199	0.111111	8_138036642	8_138999549	8_138	0.005	0.9754	1.85
311	20690	46418	18	0.03	92.25	0.137137	0.077077	1_311027658	1_311995820	1_311	0.005	0.9754	1.85
51	36604	36610	20	0.03	92.28	0.175175	0.097097	1_51037015	1_51998764	1_51	0.005	0.9754	1.85
2111	27681	12024	22	0.03	92.31	0.172172	0.097097	15_34128573	15_34973841	15_34	0.005	0.9755	1.85
787	51925	4711	25	0.03	92.34	0.215215	0.112112	5_20035192	5_20954929	5_20	0.005	0.9755	1.85
2131	49580	44156	16	0.03	92.36	0.13013	0.078078	15_54046928	15_54991163	15_54	0.005	0.9755	1.84
2571	14724	48239	10	0.03	92.39	0.09009	0.047047	19_123376923	19_123800527	19_123	0.005	0.9755	1.84
526	40799	33924	19	0.03	92.42	0.167167	0.097097	3_48022855	3_48863093	3_48	0.005	0.9755	1.84
164	46120	40123	25	0.03	92.44	0.129129	0.078078	1_164042900	1_164917958	1_164	0.005	0.9755	1.84
795	4753	4757	16	0.03	92.47	0.14014	0.077077	5_28124798	5_28898534	5_28	0.005	0.9755	1.84
816	37622	37627	19	0.03	92.5	0.163163	0.106106	5_49040715	5_49975876	5_49	0.005	0.9755	1.84
1613	8974	8978	11	0.03	92.53	0.101101	0.057057	11_61033874	11_61996760	11_61	0.005	0.9754	1.84
1431	54155	7956	14	0.03	92.55	0.113113	0.066066	9_111000802	9_111952227	9_111	0.005	0.9754	1.84
2134	51617	12148	22	0.03	92.58	0.173173	0.095095	15_57255533	15_57880292	15_57	0.005	0.9755	1.84

2006	47680	51011	21	0.03	92.61	0.213213	0.103103	14_83128477	14_83999974	14_83	0.005	0.9755	1.84
673	3814	3816	13	0.03	92.63	0.108108	0.069069	4_50296018	4_50997149	4_50	0.005	0.9754	1.84
1829	26342	43449	17	0.03	92.66	0.122122	0.072072	13_125060509	13_125976825	13_125	0.005	0.9755	1.84
1727	9639	29949	20	0.03	92.69	0.181181	0.105105	13_23032326	13_23944165	13_23	0.005	0.9755	1.84
1414	53429	7913	14	0.03	92.71	0.12012	0.076076	9_94071916	9_94988727	9_94	0.005	0.9755	1.84
277	1730	56414	13	0.03	92.74	0.113113	0.067067	1_277105135	1_277975248	1_277	0.005	0.9755	1.84
813	32984	37617	16	0.03	92.77	0.147147	0.087087	5_46029879	5_46748561	5_46	0.005	0.9755	1.84
1644	43107	9196	20	0.03	92.8	0.165165	0.09009	12_4010569	12_4992763	12_4	0.005	0.9755	1.84
1912	43572	60533	16	0.03	92.82	0.152152	0.077077	13_208012602	13_208919742	13_208	0.005	0.9755	1.84
1001	35570	62070	16	0.03	92.85	0.113113	0.063063	6_122145146	6_122942504	6_122	0.005	0.9755	1.84
557	30375	40849	19	0.03	92.88	0.127127	0.069069	3_79053106	3_79981209	3_79	0.005	0.9755	1.84
1434	32716	17988	13	0.03	92.9	0.13013	0.084084	9_114021432	9_114916229	9_114	0.005	0.9755	1.84
925	14820	17282	12	0.03	92.93	0.111111	0.067067	6_46003088	6_46893592	6_46	0.005	0.9755	1.84
786	37546	22591	14	0.03	92.96	0.124124	0.074074	5_19053403	5_19631292	5_19	0.005	0.9755	1.84
1744	9757	30598	20	0.03	92.98	0.159159	0.078078	13_40050308	13_40905892	13_40	0.005	0.9755	1.84
774	48820	4620	19	0.03	93.01	0.167167	0.098098	5_7013047	5_7992138	5_7	0.005	0.9756	1.84
20	162	39815	26	0.03	93.04	0.199199	0.106106	1_20009618	1_20996770	1_20	0.005	0.9756	1.84
1213	7001	16788	12	0.03	93.06	0.096096	0.064064	8_42094606	8_42680025	8_42	0.005	0.9756	1.84
2496	29121	55243	16	0.03	93.09	0.121121	0.064064	19_43046630	19_43939946	19_43	0.005	0.9756	1.84
1380	60744	7756	14	0.03	93.12	0.132132	0.079079	9_60085650	9_60985372	9_60	0.005	0.9756	1.84
106	3869	45988	19	0.03	93.14	0.167167	0.086086	1_106010779	1_106938537	1_106	0.005	0.9756	1.84
2275	12895	12902	17	0.03	93.17	0.129129	0.084084	16_40120028	16_40966989	16_40	0.005	0.9756	1.84
212	55469	35110	13	0.03	93.2	0.1001	0.063063	1_212595746	1_212992088	1_212	0.005	0.9756	1.84
929	45764	45793	21	0.03	93.22	0.175175	0.092092	6_50006716	6_50922233	6_50	0.005	0.9756	1.84
679	3849	46629	11	0.03	93.25	0.096096	0.053053	4_56000161	4_56894950	4_56	0.005	0.9756	1.83
1950	47583	57648	18	0.03	93.28	0.148148	0.082082	14_27119203	14_27942025	14_27	0.005	0.9756	1.83
1696	15978	49389	23	0.03	93.3	0.188188	0.1001	12_56000017	12_56868845	12_56	0.005	0.9756	1.83
2591	49812	19344	14	0.03	93.33	0.104104	0.06006	19_143013614	19_143838682	19_143	0.005	0.9756	1.83
384	2300	32476	10	0.03	93.36	0.065065	0.04004	2_69103051	2_69823989	2_69	0.005	0.9756	1.83
936	51555	55848	6	0.03	93.38	0.057057	0.035035	6_57107592	6_57971843	6_57	0.005	0.9756	1.83
484	2800	54900	19	0.03	93.41	0.167167	0.079079	3_6011282	3_6591276	3_6	0.005	0.9756	1.83
95	36714	19946	17	0.03	93.43	0.146146	0.08008	1_95079275	1_95995816	1_95	0.005	0.9756	1.83
1287	30832	7292	16	0.03	93.46	0.122122	0.073073	8_116042287	8_116996260	8_116	0.005	0.9757	1.83
989	60372	18638	21	0.03	93.49	0.163163	0.077077	6_110077183	6_110996934	6_110	0.005	0.9757	1.83
794	15878	37554	14	0.03	93.51	0.131131	0.077077	5_27040193	5_27970414	5_27	0.005	0.9756	1.83

650	51018	37416	9	0.03	93.54	0.1001	0.057057	4_27041022	4_27846293	4_27	0.005	0.9756	1.83
1411	7893	7896	8	0.03	93.57	0.067067	0.052052	9_91008560	9_91927983	9_91	0.005	0.9756	1.83
1582	8802	61598	10	0.03	93.59	0.078078	0.05005	11_30218369	11_30982805	11_30	0.005	0.9757	1.83
1101	55990	6227	19	0.03	93.62	0.137137	0.072072	7_64059030	7_64959971	7_64	0.005	0.9757	1.83
2397	52494	32992	14	0.03	93.64	0.13013	0.074074	18_5064706	18_5999331	18_5	0.005	0.9757	1.83
445	52718	51230	14	0.03	93.67	0.124124	0.08008	2_130043084	2_130977850	2_130	0.005	0.9757	1.83
1840	26363	55569	15	0.03	93.7	0.13013	0.079079	13_136017764	13_136902376	13_136	0.005	0.9758	1.83
274	46043	1717	15	0.03	93.72	0.137137	0.075075	1_274127937	1_274989579	1_274	0.005	0.9758	1.83
689	34682	46662	22	0.03	93.75	0.176176	0.108108	4_66002995	4_66988557	4_66	0.005	0.9758	1.83
182	20245	54836	17	0.03	93.77	0.152152	0.078078	1_182016926	1_182952918	1_182	0.005	0.9758	1.83
1112	47078	23698	17	0.03	93.8	0.138138	0.077077	7_75033437	7_75905640	7_75	0.005	0.9758	1.83
2245	44325	28100	10	0.03	93.82	0.103103	0.063063	16_10023136	16_10985374	16_10	0.005	0.9758	1.83
1011	50282	23165	21	0.03	93.85	0.166166	0.075075	6_132032339	6_132912255	6_132	0.005	0.9758	1.83
2366	39525	28617	19	0.03	93.88	0.158158	0.092092	17_44237331	17_44986812	17_44	0.005	0.9758	1.83
1880	43523	57865	15	0.03	93.9	0.139139	0.081081	13_176029424	13_176997245	13_176	0.005	0.9758	1.83
2274	59058	55382	19	0.03	93.93	0.131131	0.077077	16_39019226	16_39993955	16_39	0.005	0.9758	1.83
1212	45666	6997	25	0.03	93.95	0.181181	0.087087	8_41047757	8_41970562	8_41	0.005	0.9757	1.82
1790	26246	54261	18	0.03	93.98	0.134134	0.082082	13_86015154	13_86889866	13_86	0.005	0.9757	1.82
2479	32427	54800	9	0.03	94.01	0.079079	0.054054	19_26000408	19_26951074	19_26	0.005	0.9758	1.82
2126	44145	12099	18	0.03	94.03	0.142142	0.077077	15_49103392	15_49896940	15_49	0.005	0.9758	1.82
2451	56337	54740	15	0.03	94.06	0.114114	0.077077	18_59086075	18_59971337	18_59	0.005	0.9758	1.82
1417	57174	38331	15	0.03	94.08	0.104104	0.063063	9_97051426	9_97912451	9_97	0.005	0.9758	1.82
585	16076	31446	20	0.03	94.11	0.153153	0.087087	3_107073046	3_107985092	3_107	0.005	0.9758	1.82
1822	30134	26325	15	0.03	94.13	0.109109	0.066066	13_118012221	13_118998431	13_118	0.005	0.9758	1.82
1771	17550	43371	17	0.03	94.16	0.154154	0.088088	13_67066590	13_67934836	13_67	0.005	0.9758	1.82
2095	48268	39231	19	0.03	94.19	0.165165	0.09009	15_18038664	15_18998615	15_18	0.005	0.9758	1.82
778	4642	46790	22	0.03	94.21	0.183183	0.087087	5_11029721	5_11981380	5_11	0.005	0.9758	1.82
1906	32040	47542	22	0.03	94.24	0.176176	0.092092	13_202031500	13_202882988	13_202	0.005	0.9758	1.82
256	36979	20426	24	0.03	94.26	0.143143	0.078078	1_256001453	1_256989077	1_256	0.005	0.9759	1.82
332	53436	46421	16	0.03	94.29	0.133133	0.075075	2_16030402	2_16770525	2_16	0.005	0.9759	1.82
1801	26289	26292	19	0.03	94.31	0.141141	0.086086	13_97001113	13_97966875	13_97	0.005	0.9759	1.82
1184	6812	38094	16	0.03	94.34	0.141141	0.075075	8_131111033	8_13951282	8_13	0.005	0.9759	1.82
2392	52114	45479	20	0.03	94.36	0.175175	0.093093	18_720	18_989459	18_0	0.005	0.9759	1.82
112	59732	837	14	0.03	94.39	0.103103	0.066066	1_112020122	1_112774174	1_112	0.005	0.9759	1.82
269	20483	46359	21	0.03	94.41	0.167167	0.087087	1_269008819	1_269972373	1_269	0.005	0.976	1.82

1292	61470	16133	13	0.03	94.44	0.133133	0.069069	8_121026032	8_121909646	8_121	0.005	0.976	1.82
1660	18588	38644	14	0.03	94.47	0.125125	0.075075	12_20135020	12_20971882	12_20	0.005	0.976	1.82
1680	54822	25837	15	0.03	94.49	0.11011	0.072072	12_40019047	12_40544362	12_40	0.005	0.976	1.82
703	4041	4048	14	0.03	94.52	0.103103	0.065065	4_80111898	4_80963726	4_80	0.005	0.976	1.82
912	59081	31946	8	0.03	94.54	0.082082	0.053053	6_33257346	6_33810961	6_33	0.005	0.976	1.82
1282	53266	55824	12	0.03	94.57	0.124124	0.068068	8_111006793	8_111774978	8_111	0.005	0.976	1.82
1663	52557	55255	22	0.03	94.59	0.18018	0.097097	12_23012589	12_23998144	12_23	0.005	0.9761	1.82
2178	47925	16216	16	0.03	94.62	0.1001	0.063063	15_101102306	15_101921509	15_101	0.005	0.9761	1.82
39	55819	328	18	0.03	94.64	0.133133	0.087087	1_39019040	1_39987321	1_39	0.005	0.9761	1.82
1168	17647	6747	10	0.03	94.67	0.11011	0.076076	7_132107366	7_132468484	7_132	0.005	0.9761	1.82
2118	12060	30859	13	0.03	94.69	0.12012	0.063063	15_41012641	15_41967209	15_41	0.005	0.9761	1.82
1781	32349	26217	15	0.03	94.72	0.113113	0.068068	13_77087193	13_77894260	13_77	0.005	0.9761	1.82
1226	7031	16568	9	0.03	94.74	0.095095	0.068068	8_55181102	8_55931429	8_55	0.005	0.9761	1.82
2166	12298	39291	26	0.03	94.77	0.208208	0.098098	15_89097103	15_89953222	15_89	0.005	0.9761	1.82
1172	781	6763	14	0.03	94.79	0.119119	0.074074	8_1129887	8_1931528	8_1	0.005	0.9761	1.82
846	48854	5033	20	0.03	94.82	0.185185	0.093093	5_79010106	5_79988080	5_79	0.005	0.9761	1.82
1816	26319	49415	13	0.03	94.84	0.116116	0.066066	13_112066136	13_112893275	13_112	0.005	0.9761	1.82
988	57353	30835	13	0.03	94.87	0.126126	0.07007	6_109293981	6_109870440	6_109	0.005	0.9761	1.82
701	4016	22109	28	0.03	94.89	0.207207	0.108108	4_78027085	4_78946182	4_78	0.005	0.9761	1.82
1393	42732	42735	14	0.03	94.92	0.12012	0.076076	9_73040157	9_73942367	9_73	0.005	0.9761	1.82
191	1240	17445	18	0.02	94.94	0.175175	0.095095	1_191055429	1_191937788	1_191	0.005	0.9761	1.82
204	51322	1309	20	0.02	94.97	0.147147	0.09009	1_204023854	1_204988249	1_204	0.005	0.9761	1.82
1828	26337	10153	19	0.02	94.99	0.141141	0.082082	13_124021372	13_124983364	13_124	0.005	0.9761	1.82
2290	35201	28257	15	0.02	95.02	0.113113	0.072072	16_55330045	16_55993053	16_55	0.005	0.9761	1.81
1884	10380	10384	13	0.02	95.04	0.105105	0.06006	13_180057818	13_180923495	13_180	0.005	0.9761	1.81
1691	9413	9414	17	0.02	95.07	0.142142	0.08008	12_51190108	12_51984256	12_51	0.005	0.976	1.81
427	2506	2509	16	0.02	95.09	0.113113	0.078078	2_112079833	2_112559732	2_112	0.005	0.976	1.81
2107	18787	11989	10	0.02	95.12	0.09009	0.055055	15_30007572	15_30928847	15_30	0.005	0.976	1.81
1978	26984	17883	16	0.02	95.14	0.091091	0.048048	14_55003669	14_55935436	14_55	0.005	0.9759	1.81
94	45969	723	15	0.02	95.17	0.111111	0.056056	1_94180981	1_94935963	1_94	0.005	0.9759	1.81
542	3035	3039	13	0.02	95.19	0.115115	0.078078	3_64003964	3_64872620	3_64	0.005	0.976	1.81
68	19824	45924	13	0.02	95.22	0.101101	0.054054	1_68132380	1_68993279	1_68	0.005	0.976	1.81
253	36959	36967	18	0.02	95.24	0.082082	0.051051	1_253029725	1_253914428	1_253	0.005	0.976	1.81
1056	34825	37890	14	0.02	95.27	0.126126	0.066066	7_19004434	7_19789994	7_19	0.005	0.976	1.81
208	20313	36892	17	0.02	95.29	0.101101	0.054054	1_208051940	1_208999979	1_208	0.005	0.976	1.81

214	20328	34752	23	0.02	95.32	0.15015	0.071071	1_214033032	1_214959896	1_214	0.005	0.976	1.81
799	22640	4773	16	0.02	95.34	0.137137	0.076076	5_32015964	5_32986570	5_32	0.005	0.976	1.81
2452	44846	14947	11	0.02	95.37	0.103103	0.064064	18_60063061	18_60911033	18_60	0.005	0.976	1.81
2198	44240	47953	21	0.02	95.39	0.144144	0.073073	15_121000357	15_121778781	15_121	0.005	0.976	1.81
905	5311	19392	24	0.02	95.42	0.185185	0.103103	6_26110849	6_26948992	6_26	0.005	0.976	1.81
1512	25179	8412	19	0.02	95.44	0.153153	0.095095	10_38009455	10_38986300	10_38	0.005	0.976	1.81
766	55176	61617	17	0.02	95.47	0.125125	0.068068	4_143021644	4_143462966	4_143	0.005	0.9759	1.81
44	61816	58745	17	0.02	95.49	0.144144	0.083083	1_44013987	1_44938878	1_44	0.005	0.9759	1.81
1038	46955	61799	20	0.02	95.52	0.145145	0.08008	7_1035119	7_1989754	7_1	0.005	0.9759	1.81
876	5211	22917	20	0.02	95.54	0.171171	0.083083	5_109014722	5_109990527	5_109	0.005	0.976	1.81
966	61750	36045	16	0.02	95.56	0.129129	0.076076	6_87000361	6_87968836	6_87	0.005	0.9759	1.81
116	40026	34229	20	0.02	95.59	0.151151	0.068068	1_116031370	1_116992830	1_116	0.005	0.976	1.81
1278	7235	17005	17	0.02	95.61	0.149149	0.085085	8_107093894	8_107954353	8_107	0.005	0.976	1.81
2263	12803	18480	16	0.02	95.64	0.11011	0.062062	16_28006035	16_28850217	16_28	0.005	0.976	1.81
1673	9330	33165	22	0.02	95.66	0.193193	0.084084	12_33064079	12_33982636	12_33	0.005	0.976	1.81
2455	14033	17778	12	0.02	95.69	0.111111	0.072072	19_2004788	19_2838767	19_2	0.005	0.976	1.81
1714	43249	17565	16	0.02	95.71	0.15015	0.076076	13_10009490	13_10819124	13_10	0.005	0.976	1.81
88	45956	33178	14	0.02	95.74	0.142142	0.083083	1_88055468	1_88863147	1_88	0.005	0.976	1.81
2572	52925	29195	9	0.02	95.76	0.078078	0.058058	19_124405844	19_124994817	19_124	0.005	0.976	1.81
1552	42880	56735	22	0.02	95.78	0.142142	0.064064	11_22488	11_939424	11_0	0.005	0.9761	1.81
1109	37972	47075	16	0.02	95.81	0.138138	0.068068	7_72026564	7_72991035	7_72	0.005	0.9761	1.81
1607	8927	38594	24	0.02	95.83	0.195195	0.09009	11_55001359	11_55975611	11_55	0.005	0.9761	1.81
2128	60799	12113	22	0.02	95.86	0.152152	0.084084	15_51028020	15_51979193	15_51	0.005	0.9761	1.81
2494	29114	44923	13	0.02	95.88	0.099099	0.064064	19_41097603	19_41984701	19_41	0.005	0.9761	1.81
2289	44403	51816	8	0.02	95.91	0.056056	0.037037	16_54031268	16_54979717	16_54	0.005	0.9761	1.81
2429	31656	13898	24	0.02	95.93	0.149149	0.089089	18_37000204	18_37926205	18_37	0.005	0.9761	1.81
340	40490	2094	19	0.02	95.95	0.135135	0.08008	2_24003403	2_24998348	2_24	0.005	0.9761	1.81
2201	27903	34783	14	0.02	95.98	0.106106	0.055055	15_124030230	15_124792285	15_124	0.005	0.9761	1.8
1115	38008	38015	26	0.02	96	0.227227	0.118118	7_78031358	7_78971281	7_78	0.005	0.9761	1.8
584	46516	37321	19	0.02	96.03	0.161161	0.097097	3_106010885	3_106987656	3_106	0.005	0.9762	1.8
1671	55472	51029	17	0.02	96.05	0.134134	0.071071	12_31037865	12_31975933	12_31	0.005	0.9762	1.8
2487	50326	50339	9	0.02	96.08	0.061061	0.042042	19_34450186	19_34925038	19_34	0.005	0.9762	1.8
1567	61641	8693	20	0.02	96.1	0.147147	0.089089	11_15065868	11_15982103	11_15	0.005	0.9762	1.8
2234	12643	14963	10	0.02	96.12	0.092092	0.049049	15_157038929	15_157425891	15_157	0.005	0.9762	1.8
350	2153	20840	18	0.02	96.15	0.133133	0.073073	2_34084545	2_34977540	2_34	0.005	0.9761	1.8

561	39695	3121	16	0.02	96.17	0.143143	0.087087	3_83277793	3_83943514	3_83	0.005	0.9762	1.8
1615	38602	47398	13	0.02	96.2	0.129129	0.08008	11_63178157	11_63978325	11_63	0.005	0.9762	1.8
1863	52197	26432	20	0.02	96.22	0.16016	0.096096	13_159004143	13_159985503	13_159	0.005	0.9762	1.8
2371	28637	28639	16	0.02	96.24	0.124124	0.062062	17_49014076	17_49985893	17_49	0.005	0.9762	1.8
1527	29405	34983	15	0.02	96.27	0.106106	0.066066	10_53037792	10_53939074	10_53	0.005	0.9762	1.8
802	32054	22667	18	0.02	96.29	0.147147	0.074074	5_35168512	5_35945657	5_35	0.005	0.9762	1.8
762	4547	22462	25	0.02	96.32	0.176176	0.098098	4_139015407	4_139989597	4_139	0.005	0.9762	1.8
1416	56662	57968	15	0.02	96.34	0.114114	0.069069	9_96199471	9_96887177	9_96	0.005	0.9761	1.8
783	57492	50789	19	0.02	96.36	0.137137	0.094094	5_16001621	5_16920074	5_16	0.005	0.9762	1.8
1225	53092	56296	5	0.02	96.39	0.067067	0.031031	8_54201619	8_54932026	8_54	0.005	0.9762	1.8
506	40772	2885	23	0.02	96.41	0.177177	0.106106	3_28053055	3_28995377	3_28	0.005	0.9762	1.8
2495	44924	14160	11	0.02	96.44	0.089089	0.063063	19_42112605	19_42984220	19_42	0.005	0.9763	1.8
1304	38189	15169	20	0.02	96.46	0.165165	0.098098	8_133022001	8_133950496	8_133	0.005	0.9762	1.8
1820	54086	55132	15	0.02	96.48	0.111111	0.074074	13_116052233	13_116957243	13_116	0.005	0.9762	1.8
178	1164	57414	13	0.02	96.51	0.099099	0.055055	1_178024855	1_178988459	1_178	0.005	0.9762	1.8
907	32847	60920	17	0.02	96.53	0.127127	0.061061	6_28054235	6_28694089	6_28	0.005	0.9762	1.8
252	1567	35883	25	0.02	96.56	0.154154	0.082082	1_252039022	1_252997864	1_252	0.005	0.9763	1.8
853	5070	37698	21	0.02	96.58	0.172172	0.067067	5_86094560	5_86906356	5_86	0.005	0.9762	1.8
2431	28921	60700	11	0.02	96.6	0.092092	0.043043	18_39043858	18_39678645	18_39	0.005	0.9762	1.8
449	34248	31355	22	0.02	96.63	0.178178	0.096096	2_134056711	2_134992155	2_134	0.005	0.9762	1.8
1824	26327	38849	12	0.02	96.65	0.097097	0.057057	13_120017132	13_120825463	13_120	0.005	0.9762	1.8
1524	8467	42833	22	0.02	96.67	0.184184	0.1001	10_50018944	10_50993659	10_50	0.005	0.9762	1.8
1130	6399	47132	17	0.02	96.7	0.126126	0.059059	7_94045990	7_94980822	7_94	0.005	0.9762	1.8
2577	14310	14315	14	0.02	96.72	0.085085	0.066066	19_129032125	19_129975535	19_129	0.005	0.9762	1.8
2231	18167	14535	7	0.02	96.75	0.067067	0.042042	15_154044342	15_154569347	15_154	0.005	0.9762	1.8
964	14784	16130	12	0.02	96.77	0.081081	0.05005	6_85010159	6_85994652	6_85	0.005	0.9762	1.8
1946	43663	43668	22	0.02	96.79	0.161161	0.081081	14_23027457	14_23992439	14_23	0.005	0.9762	1.8
1495	17792	34879	13	0.02	96.82	0.109109	0.059059	10_21021888	10_21907460	10_21	0.005	0.9762	1.8
1141	23847	23858	27	0.02	96.84	0.21021	0.093093	7_105022346	7_105980155	7_105	0.005	0.9762	1.79
2297	44430	13014	16	0.02	96.86	0.133133	0.079079	16_62091147	16_62939945	16_62	0.005	0.9762	1.79
1008	41710	29794	13	0.02	96.89	0.114114	0.064064	6_129010911	6_129902435	6_129	0.005	0.9762	1.79
2343	13329	13335	23	0.02	96.91	0.2002	0.081081	17_21010426	17_21985990	17_21	0.005	0.9762	1.79
2464	44876	44881	17	0.02	96.93	0.096096	0.053053	19_11030902	19_11783693	19_11	0.005	0.9762	1.79
2426	13876	58370	12	0.02	96.96	0.099099	0.052052	18_34013193	18_34956874	18_34	0.005	0.9762	1.79
209	1339	20317	17	0.02	96.98	0.129129	0.074074	1_209010763	1_209927137	1_209	0.005	0.9762	1.79

573	3162	3167	9	0.02	97	0.079079	0.046046	3_95002203	3_95944062	3_95	0.005	0.9762	1.79
863	58755	5129	18	0.02	97.03	0.125125	0.071071	5_96024130	5_96953817	5_96	0.005	0.9762	1.79
555	39740	21445	17	0.02	97.05	0.129129	0.067067	3_77112515	3_77996061	3_77	0.005	0.9762	1.79
963	29681	14395	11	0.02	97.07	0.095095	0.054054	6_84010187	6_84927021	6_84	0.005	0.9762	1.79
2277	12910	53804	15	0.02	97.1	0.108108	0.056056	16_42082484	16_42978682	16_42	0.005	0.9762	1.79
1675	25819	9350	12	0.02	97.12	0.099099	0.063063	12_35017301	12_35990853	12_35	0.005	0.9762	1.79
1399	7842	31860	11	0.02	97.14	0.099099	0.062062	9_79010742	9_79894082	9_79	0.005	0.9762	1.79
1448	8038	56987	18	0.02	97.17	0.15015	0.082082	9_128025650	9_128986695	9_128	0.005	0.9762	1.79
1789	10020	47465	12	0.02	97.19	0.103103	0.069069	13_85011406	13_85970514	13_85	0.005	0.9762	1.79
1846	57493	60468	16	0.02	97.21	0.141141	0.087087	13_142131038	13_142902305	13_142	0.005	0.9761	1.79
1234	7055	51212	11	0.02	97.24	0.106106	0.065065	8_63000451	8_63838720	8_63	0.005	0.9762	1.79
1854	10254	54605	14	0.02	97.26	0.136136	0.08008	13_150022400	13_150958697	13_150	0.005	0.9762	1.79
202	20296	36884	24	0.02	97.28	0.142142	0.081081	1_202021384	1_202987973	1_202	0.005	0.9762	1.79
238	20361	20363	15	0.02	97.3	0.105105	0.061061	1_238102917	1_238827931	1_238	0.005	0.9762	1.79
1812	10110	10113	15	0.02	97.33	0.11011	0.069069	13_108017360	13_108900739	13_108	0.005	0.9762	1.79
125	46032	903	16	0.02	97.35	0.12012	0.069069	1_125123092	1_125912707	1_125	0.005	0.9762	1.79
2342	13318	28472	25	0.02	97.37	0.185185	0.082082	17_20006406	17_20971854	17_20	0.005	0.9762	1.79
89	56625	51012	13	0.02	97.4	0.115115	0.067067	1_89210836	1_89896098	1_89	0.005	0.9763	1.79
926	17213	30893	11	0.02	97.42	0.12012	0.07007	6_47104925	6_47852634	6_47	0.005	0.9763	1.79
1864	26433	26436	20	0.02	97.44	0.151151	0.087087	13_160014224	13_160894746	13_160	0.005	0.9763	1.79
2130	52901	47879	23	0.02	97.46	0.19019	0.087087	15_53067599	15_53869001	15_53	0.005	0.9763	1.79
1879	26465	43522	11	0.02	97.49	0.091091	0.055055	13_175005291	13_175985883	13_175	0.005	0.9763	1.79
995	5511	5516	19	0.02	97.51	0.129129	0.079079	6_116010663	6_116969069	6_116	0.005	0.9763	1.79
355	17003	29455	12	0.02	97.53	0.084084	0.054054	2_39185102	2_39982124	2_39	0.005	0.9763	1.79
2499	14168	48310	12	0.02	97.55	0.112112	0.066066	19_46048134	19_46763140	19_46	0.005	0.9763	1.79
2047	11569	27370	20	0.02	97.58	0.155155	0.085085	14_124020336	14_124905201	14_124	0.005	0.9763	1.79
1776	56340	9962	20	0.02	97.6	0.146146	0.079079	13_72033973	13_72975884	13_72	0.005	0.9763	1.79
294	40365	19322	24	0.02	97.62	0.184184	0.087087	1_294012711	1_294890555	1_294	0.005	0.9763	1.79
1252	42309	16241	25	0.02	97.65	0.165165	0.092092	8_81017438	8_81998579	8_81	0.005	0.9763	1.79
1010	18973	32353	12	0.02	97.67	0.116116	0.069069	6_131184737	6_131951039	6_131	0.005	0.9763	1.79
123	46027	40044	12	0.02	97.69	0.1001	0.058058	1_123220315	1_123968294	1_123	0.005	0.9763	1.79
270	37003	59492	16	0.02	97.71	0.122122	0.067067	1_270102816	1_270881981	1_270	0.005	0.9763	1.79
940	29764	18999	15	0.02	97.74	0.113113	0.068068	6_61004887	6_61916523	6_61	0.005	0.9763	1.79
986	52629	32537	15	0.02	97.76	0.12012	0.076076	6_107035144	6_107975607	6_107	0.005	0.9763	1.79
609	17394	55812	19	0.02	97.78	0.164164	0.068068	3_131057295	3_131906132	3_131	0.005	0.9763	1.79

2436	13931	28955	11	0.02	97.8	0.125125	0.067067	18_44006428	18_44927369	18_44	0.005	0.9763	1.78
2281	39453	12934	14	0.02	97.83	0.113113	0.067067	16_46066010	16_46997060	16_46	0.005	0.9763	1.78
37	39868	45877	20	0.02	97.85	0.191191	0.098098	1_37000384	1_37964303	1_37	0.005	0.9763	1.78
530	40810	2976	14	0.02	97.87	0.103103	0.059059	3_52025538	3_52990305	3_52	0.005	0.9763	1.78
1293	15983	50491	15	0.02	97.89	0.148148	0.089089	8_122072309	8_122664524	8_122	0.005	0.9763	1.78
163	20181	1098	23	0.02	97.92	0.149149	0.088088	1_163013923	1_163977023	1_163	0.005	0.9763	1.78
815	46827	37623	13	0.02	97.94	0.127127	0.07007	5_48150113	5_48975686	5_48	0.005	0.9763	1.78
1437	7986	17888	14	0.02	97.96	0.128128	0.067067	9_117012701	9_117851340	9_117	0.005	0.9762	1.78
1866	43502	58439	12	0.02	97.98	0.084084	0.052052	13_162011185	13_162889030	13_162	0.005	0.9762	1.78
2563	33535	29183	9	0.02	98.01	0.089089	0.048048	19_115004040	19_115895028	19_115	0.005	0.9762	1.78
1597	25501	38578	15	0.02	98.03	0.134134	0.071071	11_45049289	11_45992991	11_45	0.005	0.9763	1.78
2188	12409	35070	18	0.02	98.05	0.137137	0.085085	15_111088143	15_111917903	15_111	0.005	0.9763	1.78
531	2975	53227	16	0.02	98.07	0.125125	0.065065	3_53003881	3_53810019	3_53	0.005	0.9763	1.78
195	35536	46188	12	0.02	98.1	0.106106	0.061061	1_195015099	1_195833378	1_195	0.005	0.9763	1.78
2199	12455	45428	12	0.02	98.12	0.104104	0.065065	15_122166717	15_122998623	15_122	0.005	0.9763	1.78
824	52862	37653	21	0.02	98.14	0.177177	0.074074	5_57011829	5_57885800	5_57	0.005	0.9763	1.78
1272	57677	24296	6	0.02	98.16	0.055055	0.038038	8_101158226	8_101976068	8_101	0.005	0.9763	1.78
1861	10288	26421	17	0.02	98.18	0.134134	0.067067	13_157024403	13_157993717	13_157	0.005	0.9763	1.78
1259	16495	53477	20	0.02	98.21	0.122122	0.064064	8_88011897	8_88909379	8_88	0.005	0.9763	1.78
875	5220	22906	21	0.02	98.23	0.158158	0.074074	5_108020226	5_108968821	5_108	0.005	0.9763	1.78
1639	32281	49849	13	0.02	98.25	0.12012	0.066066	11_87115792	11_87660102	11_87	0.005	0.9763	1.78
2248	12717	39394	12	0.02	98.27	0.1001	0.056056	16_13007287	16_13970080	16_13	0.005	0.9763	1.78
2472	14089	39592	12	0.02	98.29	0.087087	0.042042	19_19218547	19_19944045	19_19	0.005	0.9763	1.78
1890	26482	10414	18	0.02	98.32	0.135135	0.078078	13_186001107	13_186944653	13_186	0.005	0.9764	1.78
2149	45158	12222	13	0.02	98.34	0.111111	0.059059	15_72220380	15_72955165	15_72	0.005	0.9764	1.78
1443	18340	42650	17	0.02	98.36	0.121121	0.079079	9_123051900	9_123972496	9_123	0.005	0.9764	1.78
1678	9361	60754	13	0.02	98.38	0.113113	0.062062	12_38004200	12_38706000	12_38	0.005	0.9764	1.78
1302	56387	31514	17	0.02	98.4	0.145145	0.08008	8_131014130	8_131837615	8_131	0.005	0.9764	1.78
2377	28665	49688	16	0.02	98.43	0.126126	0.069069	17_55020501	17_55931769	17_55	0.005	0.9764	1.78
290	45109	40356	16	0.02	98.45	0.12012	0.062062	1_290260126	1_290972764	1_290	0.005	0.9764	1.78
987	60585	5492	19	0.02	98.47	0.149149	0.069069	6_108119233	6_108934597	6_108	0.005	0.9764	1.78
220	36899	36903	17	0.02	98.49	0.166166	0.077077	1_220102612	1_220815008	1_220	0.005	0.9764	1.78
806	31940	46816	16	0.02	98.51	0.095095	0.055055	5_39028335	5_39916475	5_39	0.005	0.9764	1.78
899	34928	5286	11	0.02	98.54	0.095095	0.055055	6_20100569	6_20988489	6_20	0.005	0.9764	1.78
397	20925	62101	15	0.02	98.56	0.119119	0.057057	2_82002123	2_82950561	2_82	0.005	0.9764	1.78

1400	38294	38295	12	0.02	98.58	0.091091	0.06006	9_80094154	9_80677221	9_80	0.005	0.9763	1.78
1103	42002	50423	8	0.02	98.6	0.083083	0.036036	7_66304912	7_66728436	7_66	0.005	0.9764	1.77
207	46211	1332	16	0.02	98.62	0.093093	0.048048	1_207036700	1_207810204	1_207	0.005	0.9764	1.77
1209	38133	6984	19	0.02	98.65	0.16016	0.101101	8_38293338	8_38972975	8_38	0.005	0.9763	1.77
2048	39150	11581	19	0.02	98.67	0.15015	0.067067	14_125016745	14_125978735	14_125	0.005	0.9763	1.77
2195	12434	12437	17	0.02	98.69	0.146146	0.076076	15_118002592	15_118920135	15_118	0.005	0.9763	1.77
1588	42978	42980	11	0.02	98.71	0.117117	0.062062	11_36037488	11_36836674	11_36	0.005	0.9763	1.77
2376	13568	28664	20	0.02	98.73	0.168168	0.083083	17_54025507	17_54986042	17_54	0.005	0.9763	1.77
1285	7280	7285	18	0.02	98.75	0.156156	0.078078	8_114008201	8_114734690	8_114	0.005	0.9763	1.77
1614	49307	53735	16	0.02	98.77	0.113113	0.074074	11_62019748	11_62976117	11_62	0.005	0.9763	1.77
2225	12624	50103	16	0.02	98.8	0.135135	0.077077	15_148072735	15_148972866	15_148	0.005	0.9763	1.77
1509	17080	54705	13	0.02	98.82	0.109109	0.062062	10_35068814	10_35912867	10_35	0.005	0.9763	1.77
2168	44203	12325	21	0.02	98.84	0.172172	0.095095	15_91003938	15_91991367	15_91	0.005	0.9763	1.77
1783	31884	43393	14	0.02	98.86	0.116116	0.073073	13_79044236	13_79912229	13_79	0.005	0.9762	1.77
709	55478	41167	16	0.02	98.88	0.123123	0.066066	4_86029839	4_86981509	4_86	0.005	0.9762	1.77
1185	31918	30985	16	0.02	98.9	0.14014	0.069069	8_14014229	8_14946506	8_14	0.005	0.9762	1.77
447	21116	2642	20	0.02	98.92	0.153153	0.082082	2_132012813	2_132997331	2_132	0.005	0.9763	1.77
1898	15621	38950	20	0.02	98.95	0.173173	0.083083	13_194099336	13_194986995	13_194	0.005	0.9763	1.77
2124	12082	52048	6	0.02	98.97	0.062062	0.042042	15_47169627	15_47971398	15_47	0.005	0.9763	1.77
814	33661	4844	14	0.02	98.99	0.108108	0.057057	5_47023315	5_47940238	5_47	0.005	0.9762	1.77
1695	54085	35831	20	0.02	99.01	0.159159	0.078078	12_55002053	12_55962023	12_55	0.005	0.9763	1.77
2160	54612	27790	21	0.02	99.03	0.181181	0.083083	15_83086792	15_83881219	15_83	0.005	0.9763	1.77
226	1418	36922	19	0.02	99.05	0.146146	0.08008	1_226149776	1_226989901	1_226	0.005	0.9763	1.77
2468	31333	29063	23	0.02	99.07	0.104104	0.064064	19_15010224	19_15982273	19_15	0.005	0.9764	1.77
1516	59400	54772	16	0.02	99.09	0.107107	0.06006	10_42034590	10_42921237	10_42	0.005	0.9764	1.77
1901	30701	51285	15	0.02	99.12	0.142142	0.089089	13_197079707	13_197960155	13_197	0.005	0.9764	1.77
108	20000	821	16	0.02	99.14	0.136136	0.075075	1_108004707	1_108932925	1_108	0.005	0.9764	1.77
2194	27882	39307	14	0.02	99.16	0.113113	0.056056	15_117005136	15_117987234	15_117	0.006	0.9764	1.77
1798	26282	10066	13	0.02	99.18	0.095095	0.059059	13_94024615	13_94830010	13_94	0.006	0.9764	1.77
2489	48295	30457	9	0.02	99.2	0.091091	0.047047	19_36313690	19_36933196	19_36	0.006	0.9764	1.77
1913	17893	26560	14	0.02	99.22	0.126126	0.071071	13_209155239	13_209954223	13_209	0.006	0.9764	1.77
1507	38445	25162	18	0.02	99.24	0.146146	0.079079	10_33060083	10_33996942	10_33	0.006	0.9764	1.77
1500	42785	54303	19	0.02	99.26	0.159159	0.084084	10_26120414	10_26980493	10_26	0.006	0.9765	1.77
1876	38897	34968	9	0.02	99.28	0.07007	0.045045	13_172047752	13_172999223	13_172	0.006	0.9765	1.77
2338	28456	51446	15	0.02	99.3	0.133133	0.071071	17_16023225	17_16985131	17_16	0.006	0.9765	1.77

251	60174	1566	21	0.02	99.33	0.129129	0.065065	1_251044409	1_251957006	1_251	0.006	0.9765	1.77
1839	38866	10205	13	0.02	99.35	0.128128	0.073073	13_135056309	13_135995420	13_135	0.006	0.9765	1.77
2122	12071	12075	15	0.02	99.37	0.113113	0.06006	15_45022930	15_45981536	15_45	0.006	0.9765	1.77
1874	26461	19317	15	0.02	99.39	0.111111	0.073073	13_170055214	13_170572438	13_170	0.006	0.9765	1.77
85	58030	667	21	0.02	99.41	0.147147	0.061061	1_85011343	1_85975562	1_85	0.006	0.9765	1.77
486	18981	60330	10	0.02	99.43	0.086086	0.049049	3_8126970	3_8941384	3_8	0.006	0.9765	1.77
2584	34976	14337	10	0.02	99.45	0.055055	0.038038	19_136071186	19_136986704	19_136	0.006	0.9765	1.76
389	55233	60504	10	0.02	99.47	0.077077	0.043043	2_74063668	2_74917715	2_74	0.006	0.9765	1.76
2556	45258	14243	13	0.02	99.49	0.108108	0.064064	19_108206131	19_108915748	19_108	0.006	0.9766	1.76
1887	38920	10393	13	0.02	99.51	0.116116	0.074074	13_183007199	13_183927662	13_183	0.006	0.9766	1.76
1804	30317	10090	13	0.02	99.53	0.113113	0.065065	13_100163338	13_100946188	13_100	0.006	0.9765	1.76
1900	16228	38957	17	0.02	99.55	0.156156	0.069069	13_196079847	13_196931822	13_196	0.006	0.9765	1.76
819	29636	52487	18	0.02	99.57	0.119119	0.063063	5_52019205	5_52937921	5_52	0.006	0.9765	1.76
1904	29324	14927	17	0.02	99.59	0.137137	0.079079	13_200005691	13_200940291	13_200	0.006	0.9765	1.76
2265	12813	16826	22	0.02	99.62	0.178178	0.089089	16_30081210	16_30976457	16_30	0.006	0.9765	1.76
2052	11598	43981	19	0.02	99.64	0.157157	0.078078	14_129055323	14_129966461	14_129	0.006	0.9765	1.76
2470	15599	29065	11	0.02	99.66	0.074074	0.047047	19_17147091	19_17947980	19_17	0.006	0.9765	1.76
2482	34698	44903	7	0.02	99.68	0.073073	0.045045	19_29072100	19_29704103	19_29	0.006	0.9765	1.76
948	23020	45757	12	0.02	99.7	0.123123	0.077077	6_69006213	6_69930291	6_69	0.006	0.9766	1.76
1587	25483	50807	11	0.02	99.72	0.112112	0.058058	11_35006617	11_35896772	11_35	0.006	0.9766	1.76
1520	25201	8447	16	0.02	99.74	0.135135	0.071071	10_46084707	10_46983347	10_46	0.006	0.9766	1.76
190	1235	36834	16	0.02	99.76	0.128128	0.063063	1_190244449	1_190921716	1_190	0.006	0.9766	1.76
976	35851	41680	13	0.02	99.78	0.081081	0.04004	6_97022833	6_97914488	6_97	0.006	0.9766	1.76
1098	47031	47040	14	0.02	99.8	0.106106	0.05005	7_61067623	7_61988185	7_61	0.006	0.9766	1.76
1207	30711	31235	19	0.02	99.82	0.129129	0.072072	8_36098692	8_36972953	8_36	0.006	0.9766	1.76
1869	33372	53944	11	0.02	99.84	0.095095	0.049049	13_165058078	13_165917245	13_165	0.006	0.9766	1.76
1026	48932	41734	14	0.02	99.86	0.118118	0.061061	6_147007251	6_147954934	6_147	0.006	0.9766	1.76
1856	10262	18089	12	0.02	99.88	0.09009	0.055055	13_152053701	13_152969439	13_152	0.006	0.9766	1.76
228	1433	1441	22	0.02	99.9	0.12012	0.071071	1_228038772	1_228976153	1_228	0.006	0.9766	1.76
579	21489	31283	14	0.02	99.92	0.106106	0.06006	3_101222209	3_101813917	3_101	0.006	0.9766	1.76
818	46830	46832	15	0.02	99.94	0.128128	0.073073	5_51014577	5_51824431	5_51	0.006	0.9767	1.76
5	62015	40	18	0.02	99.96	0.139139	0.075075	1_5008585	1_5732081	1_5	0.006	0.9767	1.76
1171	45455	42191	7	0.02	99.98	0.057057	0.032032	8_424993	8_946879	8_0	0.006	0.9767	1.76
533	2988	2994	18	0.02	100	0.134134	0.069069	3_55028381	3_55949229	3_55	0.006	0.9767	1.76
1917	32663	10556	13	0.02	100.02	0.099099	0.053053	13_213036330	13_213981854	13_213	0.006	0.9767	1.76

227	20342	20345	16	0.02	100.04	0.107107	0.057057	1_227018020	1_227989037	1_227	0.006	0.9767	1.76
272	57264	37006	13	0.02	100.06	0.075075	0.05005	1_272001095	1_272977191	1_272	0.006	0.9767	1.76
1770	58342	61624	13	0.02	100.08	0.098098	0.056056	13_66094535	13_66778422	13_66	0.006	0.9767	1.76
518	53025	45565	6	0.02	100.1	0.06006	0.034034	3_40003536	3_40461817	3_40	0.006	0.9767	1.76
259	1617	36988	16	0.02	100.12	0.086086	0.033033	1_259019570	1_259936367	1_259	0.006	0.9767	1.76
168	1120	46131	15	0.02	100.14	0.09009	0.053053	1_168136428	1_168987602	1_168	0.006	0.9767	1.76
2286	30153	48339	10	0.02	100.16	0.1001	0.055055	16_51117642	16_51990539	16_51	0.006	0.9767	1.76
376	20912	54049	16	0.02	100.18	0.125125	0.066066	2_60022633	2_60953615	2_60	0.006	0.9767	1.76
2550	59344	48219	5	0.02	100.2	0.047047	0.032032	19_102082896	19_102773567	19_102	0.006	0.9767	1.76
857	22834	57956	14	0.02	100.22	0.104104	0.067067	5_90128642	5_90976986	5_90	0.006	0.9767	1.76
369	55296	18057	6	0.02	100.24	0.051051	0.031031	2_53067453	2_53907735	2_53	0.006	0.9767	1.76
621	17508	56944	14	0.02	100.26	0.134134	0.072072	3_143698872	3_143975041	3_143	0.006	0.9767	1.76
2559	57530	14256	13	0.02	100.28	0.088088	0.05005	19_111015335	19_111965300	19_111	0.006	0.9766	1.76
1882	51545	39670	14	0.02	100.3	0.11011	0.067067	13_178024707	13_178860766	13_178	0.006	0.9766	1.76
479	45521	15661	8	0.02	100.31	0.069069	0.044044	3_1456146	3_1997344	3_1	0.006	0.9766	1.76
923	51628	35328	11	0.02	100.33	0.091091	0.045045	6_44004031	6_44985575	6_44	0.006	0.9766	1.76
594	53290	40917	14	0.02	100.35	0.089089	0.055055	3_116001962	3_116920902	3_116	0.006	0.9766	1.76
243	20376	29768	21	0.02	100.37	0.138138	0.078078	1_243011910	1_243989929	1_243	0.006	0.9766	1.76
1549	29461	57170	11	0.02	100.39	0.082082	0.046046	10_75064259	10_75940391	10_75	0.006	0.9766	1.76
0	55418	36467	14	0.02	100.41	0.126126	0.06006	1_286933	1_985857	1_0	0.006	0.9766	1.76
79	626	33118	13	0.02	100.43	0.109109	0.063063	1_79048821	1_79931781	1_79	0.006	0.9766	1.76
115	40024	46008	13	0.02	100.45	0.106106	0.057057	1_115016840	1_115880586	1_115	0.006	0.9766	1.76
1586	8822	47348	14	0.02	100.47	0.109109	0.06006	11_34013189	11_34890371	11_34	0.006	0.9766	1.76
1855	10260	50836	9	0.02	100.49	0.073073	0.05005	13_151109312	13_151823774	13_151	0.006	0.9767	1.75
1360	30358	8185	14	0.02	100.51	0.125125	0.076076	9_40024107	9_40991552	9_40	0.006	0.9767	1.75
2483	14121	14114	5	0.02	100.52	0.039039	0.026026	19_30087545	19_30747961	19_30	0.006	0.9767	1.75
2580	54589	14326	8	0.02	100.54	0.061061	0.035035	19_132088343	19_132966392	19_132	0.006	0.9767	1.75
568	3144	31313	12	0.02	100.56	0.119119	0.06006	3_90020437	3_90913607	3_90	0.006	0.9767	1.75
167	60555	56555	13	0.02	100.58	0.111111	0.062062	1_167094891	1_167882120	1_167	0.006	0.9767	1.75
2407	28818	13743	18	0.02	100.6	0.144144	0.081081	18_15079181	18_15991827	18_15	0.006	0.9767	1.75
2421	13843	56632	16	0.02	100.62	0.146146	0.072072	18_29008406	18_29980931	18_29	0.006	0.9767	1.75
2170	44208	29833	26	0.02	100.64	0.225225	0.077077	15_93015426	15_93972771	15_93	0.006	0.9767	1.75
1104	6236	37962	14	0.02	100.66	0.126126	0.067067	7_67107544	7_67917223	7_67	0.006	0.9767	1.75
1242	61053	16071	11	0.02	100.68	0.108108	0.056056	8_71042636	8_71847915	8_71	0.006	0.9767	1.75
1117	6312	6320	20	0.02	100.69	0.148148	0.073073	7_80027963	7_80985441	7_80	0.006	0.9767	1.75

1276	33314	61370	8	0.02	100.71	0.073073	0.054054	8_105078714	8_105991646	8_105	0.006	0.9767	1.75
1120	47101	47106	11	0.02	100.73	0.094094	0.051051	7_83057633	7_83903932	7_83	0.006	0.9767	1.75
1169	24013	6753	7	0.02	100.75	0.062062	0.044044	7_133594228	7_133979586	7_133	0.006	0.9767	1.75
910	46907	41627	11	0.02	100.77	0.072072	0.041041	6_31009804	6_31994459	6_31	0.006	0.9767	1.75
230	1448	46271	17	0.02	100.79	0.106106	0.06006	1_230021584	1_230928714	1_230	0.006	0.9767	1.75
822	37643	22718	19	0.02	100.81	0.153153	0.06006	5_55008930	5_55999452	5_55	0.006	0.9768	1.75
845	46861	5018	19	0.02	100.83	0.122122	0.069069	5_78067097	5_78990780	5_78	0.006	0.9767	1.75
2116	12044	52725	13	0.02	100.84	0.114114	0.061061	15_39116703	15_39986267	15_39	0.006	0.9767	1.75
1108	49040	6266	21	0.02	100.86	0.135135	0.062062	7_71050477	7_71974687	7_71	0.006	0.9767	1.75
994	41473	23110	9	0.02	100.88	0.08008	0.048048	6_115101074	6_115986189	6_115	0.006	0.9767	1.75
2071	44050	49536	18	0.02	100.9	0.148148	0.072072	14_148003749	14_148980215	14_148	0.006	0.9767	1.75
317	49927	35732	14	0.02	100.92	0.102102	0.055055	2_1021191	2_1881100	2_1	0.006	0.9767	1.75
1747	9770	50626	17	0.02	100.94	0.14014	0.07007	13_43007233	13_43923140	13_43	0.006	0.9768	1.75
199	18328	36872	16	0.02	100.96	0.141141	0.062062	1_199041898	1_199973047	1_199	0.006	0.9768	1.75
1908	26541	16206	10	0.02	100.97	0.086086	0.051051	13_204016747	13_204969242	13_204	0.006	0.9768	1.75
1032	5692	35463	18	0.02	100.99	0.158158	0.068068	6_153108429	6_153749532	6_153	0.006	0.9768	1.75
811	60113	4831	16	0.02	101.01	0.115115	0.069069	5_44070464	5_44994712	5_44	0.006	0.9768	1.75
1656	61513	33164	22	0.02	101.03	0.155155	0.078078	12_16006733	12_16922755	12_16	0.006	0.9768	1.75
132	20064	40064	15	0.02	101.05	0.084084	0.054054	1_132029570	1_132999230	1_132	0.006	0.9768	1.75
2200	33559	12466	15	0.02	101.07	0.096096	0.047047	15_123052463	15_123902773	15_123	0.006	0.9768	1.75
2293	28264	28269	13	0.02	101.08	0.092092	0.057057	16_58031082	16_58593026	16_58	0.006	0.9768	1.75
381	2307	37117	15	0.02	101.1	0.102102	0.065065	2_66048253	2_66776495	2_66	0.006	0.9768	1.75
2089	53026	27600	13	0.02	101.12	0.126126	0.058058	15_12155691	15_12984131	15_12	0.006	0.9768	1.75
25	52428	36511	19	0.02	101.14	0.148148	0.084084	1_25010377	1_25927201	1_25	0.006	0.9768	1.75
556	3098	30405	14	0.02	101.16	0.106106	0.058058	3_78029770	3_78944101	3_78	0.006	0.9768	1.75
1065	51247	41856	10	0.02	101.17	0.099099	0.054054	7_28014685	7_28889475	7_28	0.006	0.9768	1.75
1802	55780	61319	14	0.02	101.19	0.094094	0.059059	13_98016719	13_98835795	13_98	0.006	0.9768	1.75
548	32460	61294	15	0.02	101.21	0.102102	0.06006	3_70024504	3_70939407	3_70	0.006	0.9768	1.75
255	36974	20417	21	0.02	101.23	0.164164	0.062062	1_255032767	1_255981511	1_255	0.006	0.9768	1.75
295	37052	1885	11	0.02	101.25	0.092092	0.057057	1_295017152	1_295976006	1_295	0.006	0.9768	1.75
616	3390	54821	22	0.02	101.26	0.157157	0.063063	3_138053335	3_138992352	3_138	0.006	0.9768	1.75
932	23002	5366	16	0.02	101.28	0.15015	0.074074	6_53001243	6_53966129	6_53	0.006	0.9768	1.75
1452	38385	18471	14	0.02	101.3	0.105105	0.061061	9_132023179	9_132827171	9_132	0.006	0.9768	1.75
215	1367	40204	16	0.02	101.32	0.119119	0.065065	1_215042412	1_215971588	1_215	0.006	0.9768	1.75
2237	55021	44306	16	0.02	101.34	0.109109	0.07007	16_2142400	16_2996993	16_2	0.006	0.9768	1.75

110	45994	58664	14	0.02	101.35	0.11011	0.054054	1_110118325	1_110903682	1_110	0.006	0.9768	1.75
1222	57485	57337	11	0.02	101.37	0.085085	0.046046	8_51018124	8_51942666	8_51	0.006	0.9768	1.75
2230	53489	32220	10	0.02	101.39	0.081081	0.038038	15_153014360	15_153829568	15_153	0.006	0.9768	1.75
921	40424	53713	10	0.02	101.41	0.077077	0.049049	6_42104347	6_42946643	6_42	0.006	0.9768	1.75
2109	59673	12012	18	0.02	101.43	0.15015	0.074074	15_32042636	15_32933373	15_32	0.006	0.9769	1.75
1809	52849	34087	15	0.02	101.44	0.107107	0.063063	13_105053409	13_105786040	13_105	0.006	0.9769	1.75
608	3358	21626	18	0.02	101.46	0.116116	0.063063	3_130036775	3_130877498	3_130	0.006	0.9769	1.75
1870	26449	26455	11	0.02	101.48	0.092092	0.057057	13_166070864	13_166984099	13_166	0.006	0.9768	1.75
1843	26371	54558	16	0.02	101.5	0.111111	0.062062	13_139142736	13_139998680	13_139	0.006	0.9768	1.75
1451	16431	56850	13	0.02	101.51	0.106106	0.049049	9_131130851	9_131977434	9_131	0.006	0.9768	1.75
223	36910	53243	11	0.02	101.53	0.101101	0.051051	1_223043310	1_223992839	1_223	0.006	0.9768	1.75
1773	50726	9945	14	0.02	101.55	0.113113	0.067067	13_69080928	13_69987699	13_69	0.006	0.9768	1.75
275	1718	54575	20	0.02	101.57	0.162162	0.074074	1_275078557	1_275995963	1_275	0.006	0.9768	1.75
522	34570	395	7	0.02	101.58	0.064064	0.037037	3_44138379	3_44725638	3_44	0.006	0.9768	1.75
1689	15974	43198	16	0.02	101.6	0.14014	0.072072	12_49085493	12_49990871	12_49	0.006	0.9768	1.74
809	37602	41457	15	0.02	101.62	0.103103	0.062062	5_42081631	5_42945018	5_42	0.006	0.9768	1.74
119	20031	20033	13	0.02	101.64	0.098098	0.055055	1_119004005	1_119835338	1_119	0.006	0.9769	1.74
930	19050	5356	11	0.02	101.65	0.11011	0.057057	6_51104922	6_51843873	6_51	0.006	0.9769	1.74
194	46184	36847	11	0.02	101.67	0.098098	0.052052	1_194020406	1_194987488	1_194	0.006	0.9769	1.74
2110	12013	44120	22	0.02	101.69	0.103103	0.064064	15_33013541	15_33883655	15_33	0.006	0.9769	1.74
308	32581	14589	15	0.02	101.71	0.132132	0.064064	1_308111095	1_308984948	1_308	0.006	0.9769	1.74
2282	61888	12939	12	0.02	101.72	0.11011	0.069069	16_47011906	16_47944374	16_47	0.006	0.9769	1.74
2182	12389	31116	10	0.02	101.74	0.071071	0.046046	15_105198145	15_105993430	15_105	0.006	0.9769	1.74
1610	47386	8956	11	0.02	101.76	0.104104	0.058058	11_58007243	11_58988824	11_58	0.006	0.9769	1.74
599	45286	16351	16	0.02	101.78	0.08008	0.054054	3_121035021	3_121972266	3_121	0.006	0.9769	1.74
1208	32044	24165	18	0.02	101.79	0.132132	0.081081	8_37029609	8_37983458	8_37	0.006	0.9769	1.74
396	55142	40579	16	0.02	101.81	0.119119	0.066066	2_81034415	2_81845545	2_81	0.006	0.9769	1.74
807	51608	37599	12	0.02	101.83	0.123123	0.066066	5_40106617	5_40915894	5_40	0.006	0.9769	1.74
2370	53621	28634	19	0.02	101.84	0.127127	0.065065	17_48108999	17_48985762	17_48	0.006	0.9769	1.74
1623	61017	25595	12	0.02	101.86	0.101101	0.06006	11_71130475	11_71993140	11_71	0.006	0.9769	1.74
1791	36302	36334	18	0.02	101.88	0.127127	0.073073	13_87089543	13_87988310	13_87	0.006	0.9769	1.74
2446	28996	55692	13	0.02	101.9	0.111111	0.059059	18_54010221	18_54799933	18_54	0.006	0.9769	1.74
1743	47438	26087	15	0.02	101.91	0.121121	0.06006	13_39012509	13_39992519	13_39	0.006	0.9769	1.74
601	21596	33223	10	0.02	101.93	0.075075	0.031031	3_123015205	3_123638149	3_123	0.006	0.9769	1.74
1118	6319	56737	20	0.02	101.95	0.138138	0.053053	7_81035442	7_81924254	7_81	0.006	0.9769	1.74

1426	38339	30177	17	0.02	101.96	0.12012	0.064064	9_106274400	9_106920454	9_106	0.006	0.9769	1.74
2236	28064	12654	20	0.02	101.98	0.145145	0.082082	16_1016806	16_1761311	16_1	0.006	0.9769	1.74
1766	51886	57811	10	0.02	102	0.08008	0.053053	13_62006757	13_62924497	13_62	0.006	0.9769	1.74
141	46069	985	9	0.02	102.02	0.074074	0.032032	1_141092891	1_141938208	1_141	0.006	0.9769	1.74
543	55295	34223	14	0.02	102.03	0.093093	0.056056	3_65094505	3_65993379	3_65	0.006	0.977	1.74
1873	38894	34601	11	0.02	102.05	0.083083	0.048048	13_169000579	13_169988202	13_169	0.006	0.977	1.74
196	36852	20282	17	0.02	102.07	0.101101	0.061061	1_196015749	1_196836959	1_196	0.006	0.9769	1.74
2184	59912	12400	14	0.02	102.08	0.102102	0.054054	15_107048443	15_107945927	15_107	0.006	0.9769	1.74
2287	49627	28253	15	0.02	102.1	0.093093	0.058058	16_52012266	16_52903897	16_52	0.006	0.9769	1.74
2578	45007	29218	18	0.02	102.12	0.08008	0.052052	19_130002728	19_130728194	19_130	0.006	0.9769	1.74
1585	38547	8820	12	0.02	102.14	0.097097	0.047047	11_33006254	11_33976329	11_33	0.006	0.977	1.74
1921	45363	43595	10	0.02	102.15	0.098098	0.051051	13_217027218	13_217743121	13_217	0.006	0.977	1.74
1872	10335	43510	10	0.02	102.17	0.095095	0.058058	13_168097806	13_168856970	13_168	0.006	0.977	1.74
1841	4230	38868	8	0.02	102.19	0.078078	0.043043	13_137076639	13_137988788	13_137	0.006	0.977	1.74
320	1991	20705	11	0.02	102.2	0.089089	0.054054	2_4110608	2_4872634	2_4	0.006	0.977	1.74
398	53826	37120	18	0.02	102.22	0.144144	0.068068	2_83080749	2_83985760	2_83	0.006	0.977	1.74
2191	59858	44234	7	0.02	102.24	0.062062	0.038038	15_114055631	15_114954582	15_114	0.006	0.9771	1.74
1412	24806	52927	8	0.02	102.25	0.072072	0.045045	9_92204161	9_92976421	9_92	0.006	0.9771	1.74
1827	38858	58008	7	0.02	102.27	0.05005	0.037037	13_123011640	13_123984079	13_123	0.006	0.9771	1.74
477	16695	30004	5	0.02	102.29	0.05005	0.036036	2_162084552	2_162298086	2_162	0.006	0.9771	1.74
261	55745	40278	15	0.02	102.3	0.111111	0.056056	1_261028547	1_261972774	1_261	0.006	0.9771	1.74
1688	38667	33231	16	0.02	102.32	0.106106	0.062062	12_48001470	12_48863354	12_48	0.006	0.9771	1.74
1852	54011	10247	11	0.02	102.34	0.102102	0.05005	13_148020127	13_148916021	13_148	0.006	0.9771	1.74
1794	10050	26275	16	0.02	102.35	0.113113	0.079079	13_90039607	13_90998129	13_90	0.006	0.9771	1.74
564	15618	52680	9	0.02	102.37	0.09009	0.061061	3_86085644	3_86960594	3_86	0.006	0.9771	1.74
1774	43375	26185	15	0.02	102.39	0.133133	0.072072	13_70328466	13_70982729	13_70	0.006	0.9771	1.74
2302	59624	61393	13	0.02	102.4	0.098098	0.054054	16_67092208	16_67897442	16_67	0.006	0.9771	1.74
1589	8834	18833	9	0.02	102.42	0.088088	0.047047	11_37109307	11_37805603	11_37	0.006	0.9771	1.74
1857	15094	51557	17	0.02	102.44	0.131131	0.071071	13_153245989	13_153940892	13_153	0.006	0.9771	1.74
224	51517	48456	13	0.02	102.45	0.098098	0.058058	1_224000157	1_224959989	1_224	0.006	0.9771	1.74
1788	61695	10019	14	0.02	102.47	0.118118	0.06006	13_84062043	13_84751325	13_84	0.006	0.977	1.74
1250	16834	53947	16	0.02	102.48	0.132132	0.066066	8_79177836	8_79996042	8_79	0.006	0.977	1.74
2477	39596	14109	7	0.02	102.5	0.052052	0.033033	19_24126684	19_24769857	19_24	0.006	0.9771	1.74
2567	44981	29185	6	0.02	102.52	0.053053	0.03003	19_119371829	19_119809654	19_119	0.006	0.9771	1.74
111	830	17200	10	0.02	102.53	0.102102	0.058058	1_111456164	1_111938688	1_111	0.006	0.9771	1.74

796	31262	22633	11	0.02	102.55	0.087087	0.038038	5_29078553	5_29952075	5_29	0.006	0.9771	1.73
551	40842	18730	15	0.02	102.57	0.096096	0.057057	3_73025014	3_73996122	3_73	0.006	0.9771	1.74
1408	17527	60222	10	0.02	102.58	0.077077	0.045045	9_88276225	9_88978634	9_88	0.006	0.9771	1.73
1425	50828	7942	5	0.02	102.6	0.043043	0.029029	9_105545798	9_105742262	9_105	0.006	0.9771	1.73
1897	43543	45302	15	0.02	102.61	0.127127	0.059059	13_193019061	13_193793634	13_193	0.006	0.9771	1.73
671	3806	51466	15	0.02	102.63	0.113113	0.06006	4_48069819	4_48936417	4_48	0.006	0.9771	1.73
935	18074	52580	10	0.02	102.65	0.088088	0.053053	6_56167422	6_56948678	6_56	0.006	0.9771	1.73
1925	26610	10590	14	0.02	102.66	0.105105	0.051051	14_2036624	14_2993368	14_2	0.006	0.9771	1.73
1847	43471	10225	9	0.02	102.68	0.096096	0.049049	13_143281651	13_143866440	13_143	0.006	0.9771	1.73
2243	52258	16934	8	0.02	102.69	0.089089	0.049049	16_8015400	16_8752527	16_8	0.006	0.9771	1.73
2321	54930	28387	12	0.02	102.71	0.074074	0.048048	16_86008309	16_86875355	16_86	0.006	0.9771	1.73
675	59441	21991	8	0.02	102.73	0.077077	0.045045	4_52023825	4_52994578	4_52	0.006	0.9771	1.73
154	40097	40100	12	0.02	102.74	0.118118	0.063063	1_154076660	1_154937284	1_154	0.006	0.9771	1.73
1831	10165	59757	14	0.02	102.76	0.12012	0.06006	13_127026543	13_127992609	13_127	0.006	0.9771	1.73
414	54043	58908	11	0.02	102.77	0.098098	0.059059	2_99022293	2_99964100	2_99	0.006	0.9771	1.73
862	48866	41570	19	0.02	102.79	0.139139	0.07007	5_95007471	5_95971272	5_95	0.006	0.9771	1.73
2474	58514	56432	6	0.02	102.8	0.036036	0.027027	19_21103213	19_21870366	19_21	0.006	0.9771	1.73
2336	28452	30353	14	0.02	102.82	0.1001	0.045045	17_14005506	17_14867578	17_14	0.006	0.9771	1.73
2154	12231	47897	8	0.02	102.84	0.06006	0.033033	15_77108630	15_77875540	15_77	0.006	0.9771	1.73
239	60667	51773	19	0.02	102.85	0.12012	0.058058	1_239045601	1_239987141	1_239	0.006	0.9771	1.73
150	56301	36794	12	0.02	102.87	0.087087	0.056056	1_150030731	1_150801717	1_150	0.006	0.9771	1.73
1883	10378	56500	12	0.02	102.88	0.116116	0.067067	13_179045118	13_179990010	13_179	0.006	0.9771	1.73
1376	16622	33916	5	0.02	102.9	0.048048	0.03003	9_56048240	9_56757165	9_56	0.006	0.9771	1.73
1818	18425	43436	8	0.02	102.91	0.064064	0.034034	13_114061850	13_114928166	13_114	0.006	0.977	1.73
1796	15100	38818	13	0.02	102.93	0.093093	0.053053	13_92044292	13_92853911	13_92	0.006	0.9771	1.73
571	19398	3154	8	0.02	102.94	0.093093	0.052052	3_93074982	3_93929087	3_93	0.006	0.977	1.73
798	4765	41437	17	0.02	102.96	0.112112	0.06006	5_31236841	5_31980027	5_31	0.006	0.977	1.73
1570	8708	47337	17	0.02	102.97	0.137137	0.056056	11_18175690	11_18868868	11_18	0.006	0.977	1.73
1257	32418	35245	16	0.02	102.99	0.106106	0.055055	8_86016419	8_86928240	8_86	0.006	0.977	1.73
2339	61491	48027	16	0.02	103	0.13013	0.049049	17_17057497	17_17972781	17_17	0.006	0.977	1.73
103	783	789	15	0.02	103.02	0.114114	0.066066	1_103024987	1_103980217	1_103	0.006	0.977	1.73
2560	33727	14261	7	0.02	103.03	0.052052	0.032032	19_112108617	19_112884986	19_112	0.006	0.977	1.73
532	2983	56319	13	0.02	103.05	0.101101	0.063063	3_54006786	3_54995304	3_54	0.006	0.977	1.73
881	19394	50110	11	0.02	103.06	0.094094	0.054054	6_2042055	6_2952600	6_2	0.006	0.977	1.73
2076	47846	44070	12	0.02	103.08	0.095095	0.06006	14_153114220	14_153786761	14_153	0.006	0.977	1.73

1823	43439	56272	13	0.02	103.09	0.087087	0.051051	13_119023717	13_119979547	13_119	0.006	0.977	1.73
749	46769	60507	11	0.02	103.11	0.092092	0.055055	4_126080976	4_126984212	4_126	0.006	0.977	1.73
46	36592	33731	11	0.01	103.12	0.09009	0.054054	1_46028574	1_46907309	1_46	0.006	0.977	1.73
331	30756	40462	7	0.01	103.14	0.064064	0.043043	2_15670974	2_15981321	2_15	0.006	0.977	1.73
2242	49614	39381	11	0.01	103.15	0.091091	0.045045	16_7013478	16_7634155	16_7	0.006	0.977	1.73
2412	28837	60104	19	0.01	103.17	0.13013	0.062062	18_20017978	18_20991435	18_20	0.006	0.977	1.73
672	17290	46616	9	0.01	103.18	0.078078	0.047047	4_49093079	4_49917991	4_49	0.006	0.977	1.73
790	4720	22613	15	0.01	103.2	0.125125	0.055055	5_23002609	5_23994070	5_23	0.006	0.977	1.73
1256	59544	50770	9	0.01	103.21	0.084084	0.053053	8_85070054	8_85901166	8_85	0.006	0.977	1.73
576	3173	50026	10	0.01	103.23	0.088088	0.055055	3_98100280	3_98991502	3_98	0.006	0.977	1.73
245	36368	46306	24	0.01	103.24	0.103103	0.065065	1_245008421	1_245981247	1_245	0.006	0.977	1.73
1860	32613	26418	14	0.01	103.26	0.105105	0.052052	13_156202355	13_156983040	13_156	0.006	0.977	1.73
982	23090	23093	17	0.01	103.27	0.12012	0.056056	6_103034132	6_103881022	6_103	0.006	0.977	1.73
1532	25254	32339	19	0.01	103.29	0.134134	0.06006	10_58040881	10_58966663	10_58	0.006	0.977	1.73
826	37656	4889	18	0.01	103.3	0.124124	0.077077	5_59023829	5_59906559	5_59	0.006	0.9771	1.73
2155	51508	27785	9	0.01	103.32	0.056056	0.034034	15_78162141	15_78961640	15_78	0.006	0.9771	1.73
931	59594	41639	11	0.01	103.33	0.1001	0.046046	6_52063034	6_52993696	6_52	0.006	0.9771	1.73
852	50955	35158	17	0.01	103.35	0.1001	0.05005	5_85023135	5_85946546	5_85	0.006	0.977	1.73
678	3842	46626	15	0.01	103.36	0.107107	0.061061	4_55031488	4_55960525	4_55	0.006	0.977	1.72
1496	8347	56304	5	0.01	103.37	0.054054	0.04004	10_22010713	10_22730977	10_22	0.006	0.977	1.72
1423	60183	24833	12	0.01	103.39	0.061061	0.042042	9_103035428	9_103976159	9_103	0.006	0.9771	1.72
2425	28902	57284	9	0.01	103.4	0.09009	0.052052	18_33106672	18_33816366	18_33	0.006	0.9771	1.72
1447	24884	45761	12	0.01	103.42	0.092092	0.056056	9_127045581	9_127981472	9_127	0.006	0.9771	1.72
1752	9807	58918	17	0.01	103.43	0.142142	0.062062	13_48008516	13_48974796	13_48	0.006	0.977	1.72
174	40137	20211	11	0.01	103.45	0.103103	0.059059	1_174018173	1_174985817	1_174	0.006	0.977	1.72
2579	49802	16578	8	0.01	103.46	0.051051	0.032032	19_131104850	19_131708696	19_131	0.006	0.977	1.72
169	20203	60501	11	0.01	103.48	0.061061	0.031031	1_169007648	1_169984967	1_169	0.006	0.977	1.72
918	32861	58371	6	0.01	103.49	0.066066	0.038038	6_39187023	6_39960478	6_39	0.006	0.977	1.72
1977	55282	57093	15	0.01	103.5	0.129129	0.065065	14_54006581	14_54867498	14_54	0.006	0.977	1.72
2082	27562	11838	13	0.01	103.52	0.121121	0.06006	15_5034616	15_5936184	15_5	0.006	0.977	1.72
1808	34971	31213	12	0.01	103.53	0.103103	0.059059	13_104031218	13_104807793	13_104	0.006	0.977	1.72
247	45600	40251	27	0.01	103.55	0.143143	0.051051	1_247017119	1_247893175	1_247	0.006	0.977	1.72
374	57638	2321	9	0.01	103.56	0.076076	0.047047	2_58377827	2_58871412	2_58	0.006	0.977	1.72
958	36436	14794	7	0.01	103.58	0.065065	0.043043	6_79026669	6_79924228	6_79	0.006	0.977	1.72
375	53440	20913	10	0.01	103.59	0.065065	0.041041	2_59243470	2_59957369	2_59	0.006	0.977	1.72

161	20170	45524	8	0.01	103.6	0.043043	0.03003	1_161003628	1_161993748	1_161	0.006	0.977	1.72
1446	8032	31662	11	0.01	103.62	0.097097	0.051051	9_126204363	9_126652137	9_126	0.006	0.977	1.72
2125	33919	47869	11	0.01	103.63	0.098098	0.053053	15_48336880	15_48970076	15_48	0.006	0.977	1.72
1223	42277	59700	9	0.01	103.65	0.073073	0.045045	8_52134330	8_52765124	8_52	0.006	0.977	1.72
1063	23419	35576	10	0.01	103.66	0.077077	0.043043	7_26157007	7_26954317	7_26	0.006	0.977	1.72
2185	57606	34669	14	0.01	103.67	0.131131	0.055055	15_108002667	15_108889109	15_108	0.006	0.977	1.72
181	50709	54926	18	0.01	103.69	0.143143	0.073073	1_181006837	1_181978498	1_181	0.006	0.977	1.72
2143	12205	50564	7	0.01	103.7	0.06006	0.031031	15_66003982	15_66907405	15_66	0.006	0.9769	1.72
2278	12918	53338	8	0.01	103.72	0.074074	0.042042	16_43093614	16_43762162	16_43	0.006	0.9769	1.72
1421	32324	14801	8	0.01	103.73	0.054054	0.031031	9_101128149	9_101987835	9_101	0.006	0.977	1.72
2171	12339	12343	17	0.01	103.74	0.126126	0.056056	15_94025320	15_94994150	15_94	0.006	0.9769	1.72
1289	7307	59065	11	0.01	103.76	0.087087	0.04004	8_118016335	8_118874252	8_118	0.006	0.977	1.72
118	866	40032	15	0.01	103.77	0.11011	0.039039	1_118042320	1_118992060	1_118	0.006	0.977	1.72
1027	5674	17991	12	0.01	103.78	0.096096	0.055055	6_148004363	6_148742719	6_148	0.006	0.977	1.72
2189	14991	12415	17	0.01	103.8	0.079079	0.051051	15_112258571	15_112984212	15_112	0.006	0.977	1.72
2502	29133	53472	7	0.01	103.81	0.036036	0.027027	19_49013199	19_49617748	19_49	0.006	0.977	1.72
2144	47891	27772	10	0.01	103.83	0.063063	0.038038	15_67012516	15_67976297	15_67	0.006	0.977	1.72
2340	13302	13303	13	0.01	103.84	0.098098	0.043043	17_18057468	17_18983971	17_18	0.006	0.977	1.72
1433	24844	57125	12	0.01	103.85	0.082082	0.049049	9_113051200	9_113942105	9_113	0.006	0.977	1.72
1290	54060	36044	11	0.01	103.87	0.08008	0.048048	8_119254143	8_119985447	8_119	0.006	0.977	1.72
2398	16639	59864	8	0.01	103.88	0.085085	0.041041	18_6026724	18_6921239	18_6	0.006	0.977	1.72
1275	7228	24891	11	0.01	103.89	0.101101	0.045045	8_104001629	8_104687331	8_104	0.006	0.977	1.72
877	5228	56131	8	0.01	103.91	0.06006	0.034034	5_110032368	5_110935968	5_110	0.006	0.977	1.72
904	29840	17966	11	0.01	103.92	0.079079	0.035035	6_25114255	6_25995859	6_25	0.006	0.977	1.72
2393	34828	15159	5	0.01	103.94	0.054054	0.032032	18_1454782	18_1943635	18_1	0.006	0.977	1.72
2102	11975	11976	10	0.01	103.95	0.086086	0.049049	15_25026611	15_25947179	15_25	0.006	0.977	1.72
1114	6289	38007	10	0.01	103.96	0.092092	0.052052	7_77009237	7_77973037	7_77	0.006	0.977	1.72
820	4859	4862	14	0.01	103.97	0.079079	0.049049	5_53182979	5_53998123	5_53	0.006	0.977	1.72
682	14600	3864	11	0.01	103.99	0.07007	0.044044	4_59063035	4_59967513	4_59	0.006	0.977	1.72
121	46021	54553	15	0.01	104	0.094094	0.043043	1_121128221	1_121999146	1_121	0.006	0.977	1.72
1418	24821	15756	8	0.01	104.01	0.06006	0.036036	9_98059019	9_98984967	9_98	0.006	0.977	1.72
316	29677	52837	13	0.01	104.03	0.089089	0.056056	2_16416	2_963130	2_0	0.006	0.977	1.72
2088	39213	60898	14	0.01	104.04	0.105105	0.045045	15_11001978	15_11904651	15_11	0.006	0.977	1.72
1514	60653	34736	12	0.01	104.05	0.08008	0.035035	10_40186438	10_40950374	10_40	0.006	0.977	1.72
73	575	578	10	0.01	104.07	0.083083	0.045045	1_73100657	1_73922223	1_73	0.006	0.977	1.72

473	48589	2786	10	0.01	104.08	0.073073	0.044044	2_158014368	2_158680517	2_158	0.006	0.977	1.72
1409	33904	7887	6	0.01	104.09	0.052052	0.032032	9_89128614	9_89984248	9_89	0.006	0.977	1.72
1113	6285	38001	9	0.01	104.11	0.079079	0.041041	7_76111756	7_76907606	7_76	0.006	0.977	1.72
677	3836	53246	12	0.01	104.12	0.077077	0.046046	4_54122432	4_54937429	4_54	0.006	0.977	1.72
373	59106	20917	10	0.01	104.13	0.065065	0.042042	2_57011989	2_57924527	2_57	0.006	0.977	1.72
222	46252	1410	14	0.01	104.14	0.118118	0.052052	1_222007904	1_222962711	1_222	0.006	0.977	1.72
329	45775	40460	9	0.01	104.16	0.081081	0.044044	2_13005151	2_13853695	2_13	0.006	0.977	1.72
165	46123	34521	12	0.01	104.17	0.118118	0.05005	1_165188787	1_165937460	1_165	0.006	0.977	1.72
2501	35069	48166	7	0.01	104.18	0.04004	0.03003	19_48308192	19_48929906	19_48	0.006	0.977	1.72
547	21419	3063	6	0.01	104.19	0.067067	0.038038	3_69657253	3_69935645	3_69	0.006	0.977	1.72
623	21658	30854	14	0.01	104.21	0.116116	0.055055	4_95368	4_779106	4_0	0.006	0.977	1.72
1427	17424	47283	11	0.01	104.22	0.078078	0.037037	9_107057752	9_107850450	9_107	0.006	0.977	1.72
197	1264	36858	12	0.01	104.23	0.067067	0.043043	1_197179651	1_197983246	1_197	0.006	0.977	1.72
574	50485	3169	10	0.01	104.24	0.085085	0.039039	3_96012125	3_96641442	3_96	0.006	0.977	1.72
1599	16106	19188	6	0.01	104.26	0.06006	0.037037	11_47014747	11_47907047	11_47	0.006	0.977	1.72
1439	55989	31056	14	0.01	104.27	0.129129	0.057057	9_119023630	9_119766208	9_119	0.006	0.977	1.72
2473	39593	14096	8	0.01	104.28	0.039039	0.028028	19_20049731	19_20985182	19_20	0.006	0.977	1.72
232	46276	20358	22	0.01	104.29	0.129129	0.055055	1_232040879	1_232978056	1_232	0.006	0.977	1.72
840	4984	22787	11	0.01	104.31	0.091091	0.046046	5_73000608	5_73987917	5_73	0.006	0.977	1.72
382	51768	51939	9	0.01	104.32	0.067067	0.038038	2_67308766	2_67981307	2_67	0.006	0.977	1.71
198	46192	1268	15	0.01	104.33	0.12012	0.043043	1_198004282	1_198859209	1_198	0.006	0.977	1.71
296	1886	56783	11	0.01	104.34	0.095095	0.04004	1_296003591	1_296938083	1_296	0.006	0.977	1.71
211	1350	1355	11	0.01	104.36	0.096096	0.048048	1_211151578	1_211988436	1_211	0.006	0.977	1.71
1885	58248	52122	6	0.01	104.37	0.043043	0.023023	13_181014066	13_181995091	13_181	0.006	0.977	1.71
1905	57209	10495	10	0.01	104.38	0.083083	0.04004	13_201035915	13_201929107	13_201	0.006	0.977	1.71
1694	53957	9421	13	0.01	104.39	0.113113	0.063063	12_54003633	12_54837708	12_54	0.006	0.977	1.71
646	35912	3613	12	0.01	104.41	0.076076	0.052052	4_23215904	4_23861877	4_23	0.006	0.977	1.71
2357	33725	54545	12	0.01	104.42	0.101101	0.057057	17_35295082	17_35935548	17_35	0.006	0.977	1.71
2192	12422	44235	14	0.01	104.43	0.112112	0.054054	15_115026418	15_115836301	15_115	0.006	0.977	1.71
175	20212	1152	12	0.01	104.44	0.113113	0.048048	1_175226043	1_175979464	1_175	0.006	0.977	1.71
812	39699	53034	9	0.01	104.45	0.058058	0.037037	5_45007479	5_45963766	5_45	0.006	0.977	1.71
1286	7308	56289	9	0.01	104.47	0.088088	0.046046	8_115099064	8_115989788	8_115	0.006	0.9771	1.71
1753	26115	17001	10	0.01	104.48	0.079079	0.034034	13_49008533	13_49979246	13_49	0.006	0.977	1.71
410	61803	53104	7	0.01	104.49	0.067067	0.034034	2_95014748	2_95957069	2_95	0.006	0.977	1.71
127	50680	908	7	0.01	104.5	0.046046	0.035035	1_127172643	1_127733470	1_127	0.006	0.977	1.71

622	52046	52339	7	0.01	104.51	0.071071	0.038038	3_144009549	3_144353522	3_144	0.006	0.977	1.71
2153	16141	12230	4	0.01	104.53	0.051051	0.037037	15_76266102	15_76787826	15_76	0.006	0.977	1.71
371	16909	58969	6	0.01	104.54	0.043043	0.028028	2_55200111	2_55894230	2_55	0.006	0.977	1.71
1224	58235	58859	2	0.01	104.55	0.025025	0.019019	8_53555323	8_53929233	8_53	0.006	0.977	1.71
2582	14328	45012	9	0.01	104.56	0.065065	0.03003	19_134009220	19_134779719	19_134	0.006	0.977	1.71
129	34413	46044	15	0.01	104.57	0.102102	0.052052	1_129025180	1_129911267	1_129	0.006	0.977	1.71
880	30235	34251	7	0.01	104.59	0.053053	0.025025	6_1065220	6_1939451	6_1	0.006	0.977	1.71
1353	61154	16463	7	0.01	104.6	0.071071	0.045045	9_33065256	9_33899905	9_33	0.006	0.977	1.71
160	40115	53346	9	0.01	104.61	0.076076	0.037037	1_160024181	1_160991130	1_160	0.006	0.977	1.71
1662	53388	56697	6	0.01	104.62	0.05005	0.026026	12_22051275	12_22890196	12_22	0.006	0.977	1.71
300	1904	40384	15	0.01	104.63	0.1001	0.051051	1_300316974	1_300929374	1_300	0.006	0.977	1.71
2121	27710	34572	15	0.01	104.64	0.109109	0.046046	15_44059586	15_44824251	15_44	0.006	0.977	1.71
1825	34940	10142	12	0.01	104.65	0.064064	0.042042	13_121174356	13_121983388	13_121	0.006	0.977	1.71
299	48483	16654	15	0.01	104.67	0.117117	0.039039	1_299053656	1_299937327	1_299	0.006	0.977	1.71
395	61412	29454	10	0.01	104.68	0.051051	0.03003	2_80183996	2_80974584	2_80	0.006	0.977	1.71
485	33489	35827	10	0.01	104.69	0.083083	0.04004	3_7099006	3_7846008	3_7	0.006	0.9771	1.71
2471	48144	16347	6	0.01	104.7	0.043043	0.024024	19_18005050	19_18720914	19_18	0.006	0.9771	1.71
1703	61649	52184	12	0.01	104.71	0.109109	0.053053	12_63095062	12_63499825	12_63	0.006	0.9771	1.71
2119	30162	39250	11	0.01	104.72	0.073073	0.038038	15_42105101	15_42831922	15_42	0.006	0.9771	1.71
1858	52073	58834	13	0.01	104.73	0.097097	0.048048	13_154021170	13_154899831	13_154	0.006	0.9771	1.71
789	34761	22608	8	0.01	104.74	0.098098	0.052052	5_22568532	5_22969678	5_22	0.006	0.977	1.71
234	1473	46281	10	0.01	104.76	0.099099	0.042042	1_234035171	1_234854917	1_234	0.006	0.9771	1.71
1670	59231	50328	6	0.01	104.77	0.065065	0.038038	12_30149881	12_30774708	12_30	0.006	0.9771	1.71
210	1344	35587	14	0.01	104.78	0.073073	0.041041	1_210025405	1_210956244	1_210	0.006	0.9771	1.71
1878	56155	10359	5	0.01	104.79	0.053053	0.032032	13_174247801	13_174758344	13_174	0.006	0.9771	1.71
1550	58359	16921	11	0.01	104.8	0.077077	0.04004	10_76156036	10_76994582	10_76	0.006	0.9771	1.71
2172	33413	48272	17	0.01	104.81	0.142142	0.055055	15_95058391	15_95919710	15_95	0.006	0.9771	1.71
1218	53708	42271	6	0.01	104.82	0.048048	0.035035	8_47035822	8_47582919	8_47	0.006	0.9771	1.71
1265	60260	7192	8	0.01	104.83	0.074074	0.041041	8_94303744	8_94994514	8_94	0.006	0.9771	1.71
869	33288	5173	20	0.01	104.84	0.146146	0.042042	5_102247795	5_102993667	5_102	0.006	0.977	1.71
218	20332	1394	12	0.01	104.85	0.087087	0.034034	1_218141657	1_218977436	1_218	0.006	0.977	1.71
1814	53063	57532	6	0.01	104.86	0.047047	0.031031	13_110176644	13_110802739	13_110	0.006	0.977	1.71
225	34390	36921	9	0.01	104.88	0.058058	0.026026	1_225518654	1_225986595	1_225	0.006	0.977	1.71
2453	52415	17324	9	0.01	104.89	0.071071	0.04004	19_462585	19_930921	19_0	0.006	0.9771	1.71
2186	12406	27866	8	0.01	104.9	0.064064	0.032032	15_109196356	15_109722503	15_109	0.006	0.9771	1.71

1216	18311	29762	7	0.01	104.91	0.043043	0.028028	8_45191096	8_45750461	8_45	0.006	0.9771	1.71
2484	39609	34918	4	0.01	104.92	0.028028	0.021021	19_31649425	19_31801282	19_31	0.006	0.9771	1.71
2514	44944	14181	9	0.01	104.93	0.028028	0.017017	19_63109515	19_63891837	19_63	0.006	0.9771	1.71
516	51371	15903	6	0.01	104.94	0.051051	0.027027	3_38091792	3_38949614	3_38	0.006	0.9771	1.71
1834	59047	52492	6	0.01	104.95	0.04004	0.027027	13_130011769	13_130982311	13_130	0.006	0.9771	1.71
927	19027	33779	8	0.01	104.96	0.062062	0.04004	6_48031641	6_48792292	6_48	0.006	0.9771	1.71
128	36769	46042	8	0.01	104.97	0.073073	0.04004	1_128248008	1_128847130	1_128	0.006	0.9771	1.71
2583	14331	33021	7	0.01	104.98	0.058058	0.029029	19_135350565	19_135937088	19_135	0.006	0.9771	1.71
676	46620	62092	10	0.01	104.99	0.08008	0.036036	4_53047867	4_53913712	4_53	0.006	0.9771	1.71
2529	58310	19289	7	0.01	105	0.04004	0.021021	19_78000797	19_78893355	19_78	0.006	0.9771	1.71
216	60848	1385	13	0.01	105.01	0.092092	0.031031	1_216019228	1_216980027	1_216	0.006	0.9771	1.71
1868	62043	17042	6	0.01	105.02	0.065065	0.035035	13_164327059	13_164995422	13_164	0.006	0.9771	1.71
1009	5585	14988	8	0.01	105.03	0.071071	0.028028	6_130083282	6_130959693	6_130	0.006	0.977	1.71
276	46374	1727	15	0.01	105.04	0.1001	0.045045	1_276112956	1_276982150	1_276	0.006	0.9771	1.71
221	36904	58253	8	0.01	105.05	0.066066	0.041041	1_221086679	1_221935450	1_221	0.006	0.9771	1.71
1591	25488	8841	9	0.01	105.06	0.072072	0.041041	11_39122368	11_39964997	11_39	0.006	0.9771	1.71
219	46246	1398	11	0.01	105.07	0.074074	0.045045	1_219151821	1_219966680	1_219	0.006	0.9771	1.71
2150	59729	39282	9	0.01	105.08	0.043043	0.025025	15_73043848	15_73987697	15_73	0.006	0.9771	1.71
2169	44206	27833	24	0.01	105.09	0.188188	0.062062	15_92024785	15_92970795	15_92	0.006	0.9771	1.71
1581	8783	25476	12	0.01	105.1	0.084084	0.034034	11_29014105	11_29994790	11_29	0.006	0.9771	1.71
2156	47899	47900	6	0.01	105.1	0.048048	0.025025	15_79293246	15_79978032	15_79	0.006	0.9771	1.71
387	15406	34389	7	0.01	105.11	0.028028	0.02002	2_72042065	2_72956647	2_72	0.006	0.9771	1.71
446	32191	2639	12	0.01	105.12	0.088088	0.044044	2_131005861	2_131999506	2_131	0.006	0.9771	1.71
260	54409	46348	17	0.01	105.13	0.085085	0.035035	1_260134029	1_260985282	1_260	0.006	0.9771	1.71
233	34453	50432	19	0.01	105.14	0.114114	0.043043	1_233021161	1_233975946	1_233	0.006	0.9771	1.71
2476	39594	29075	6	0.01	105.15	0.036036	0.023023	19_23047391	19_23980272	19_23	0.006	0.9771	1.71
1473	24986	51569	12	0.01	105.16	0.087087	0.041041	9_153031450	9_153484548	9_153	0.006	0.9771	1.71
297	46401	40377	11	0.01	105.17	0.11011	0.048048	1_297186811	1_297932234	1_297	0.006	0.9771	1.71
249	1546	1556	20	0.01	105.18	0.13013	0.047047	1_249012536	1_249998570	1_249	0.006	0.9771	1.71
2173	56079	52752	16	0.01	105.19	0.116116	0.045045	15_96071036	15_96930028	15_96	0.006	0.9771	1.71
681	3858	3861	6	0.01	105.2	0.036036	0.019019	4_58067211	4_58777597	4_58	0.006	0.9771	1.71
2174	12357	47922	11	0.01	105.21	0.08008	0.031031	15_97254108	15_97940788	15_97	0.006	0.9771	1.71
250	40257	46323	27	0.01	105.21	0.108108	0.048048	1_250018705	1_250959302	1_250	0.006	0.9771	1.71
1196	18440	24113	9	0.01	105.22	0.083083	0.039039	8_25020120	8_25948033	8_25	0.006	0.9771	1.71
879	16346	18574	9	0.01	105.23	0.075075	0.036036	6_79816	6_851457	6_0	0.006	0.9771	1.71

2175	12362	16817	5	0.01	105.24	0.054054	0.03003	15_98011713	15_98451291	15_98	0.006	0.9771	1.71
135	55868	946	6	0.01	105.25	0.069069	0.034034	1_135320152	1_135930910	1_135	0.006	0.9771	1.71
620	52313	45836	8	0.01	105.26	0.066066	0.037037	3_142329763	3_142766769	3_142	0.006	0.9771	1.71
2146	44177	27774	8	0.01	105.27	0.066066	0.016016	15_69276645	15_69714353	15_69	0.006	0.9771	1.71
386	37115	29432	4	0.01	105.28	0.036036	0.023023	2_71036422	2_71990984	2_71	0.006	0.9771	1.71
2576	48245	48248	12	0.01	105.29	0.037037	0.023023	19_128108120	19_128789248	19_128	0.006	0.9771	1.71
1813	33181	56488	7	0.01	105.29	0.046046	0.027027	13_109045658	13_109986816	13_109	0.006	0.9771	1.71
1886	60429	10389	6	0.01	105.3	0.062062	0.037037	13_182315832	13_182817467	13_182	0.006	0.9771	1.71
810	18312	46823	7	0.01	105.31	0.064064	0.035035	5_43144872	5_43997881	5_43	0.006	0.9771	1.71
2523	14198	44949	4	0.01	105.32	0.02002	0.015015	19_72098978	19_72845131	19_72	0.006	0.9771	1.71
2500	14169	35127	7	0.01	105.33	0.029029	0.018018	19_47148219	19_47592822	19_47	0.006	0.9771	1.71
1515	55300	60314	9	0.01	105.34	0.085085	0.04004	10_41053714	10_41976069	10_41	0.006	0.9771	1.71
241	40238	1514	12	0.01	105.35	0.09009	0.043043	1_241074745	1_241983957	1_241	0.006	0.9771	1.71
1231	52585	47207	5	0.01	105.35	0.039039	0.026026	8_60101922	8_60981454	8_60	0.006	0.9771	1.7
2337	59244	51284	12	0.01	105.36	0.044044	0.027027	17_15101576	17_15997261	17_15	0.006	0.9771	1.7
680	37447	3857	12	0.01	105.37	0.081081	0.036036	4_57099646	4_57935123	4_57	0.006	0.9771	1.7
2176	58951	54662	9	0.01	105.38	0.077077	0.036036	15_99006968	15_99784888	15_99	0.006	0.9771	1.7
244	1531	58547	12	0.01	105.39	0.07007	0.036036	1_244008725	1_244996464	1_244	0.006	0.9771	1.7
1389	24736	50658	10	0.01	105.4	0.062062	0.036036	9_69016799	9_69976085	9_69	0.006	0.9771	1.7
240	40237	1510	15	0.01	105.4	0.102102	0.039039	1_240011062	1_240994314	1_240	0.006	0.9771	1.7
383	2301	35618	3	0.01	105.41	0.031031	0.016016	2_68894359	2_68965440	2_68	0.006	0.9771	1.7
180	20235	1181	11	0.01	105.42	0.071071	0.031031	1_180163164	1_180956401	1_180	0.006	0.9771	1.7
523	34532	46478	6	0.01	105.43	0.052052	0.02002	3_45453887	3_45994096	3_45	0.006	0.9771	1.7
1800	10071	56585	6	0.01	105.44	0.034034	0.026026	13_96081985	13_96750659	13_96	0.006	0.9771	1.7
2120	17308	27709	7	0.01	105.44	0.071071	0.037037	15_43053001	15_43972136	15_43	0.006	0.9771	1.7
2157	47903	54197	9	0.01	105.45	0.068068	0.034034	15_80299741	15_80987506	15_80	0.006	0.9771	1.7
2190	47947	47949	11	0.01	105.46	0.057057	0.033033	15_113010695	15_113997526	15_113	0.006	0.9771	1.7
928	30407	51539	6	0.01	105.47	0.054054	0.03003	6_49146524	6_49817264	6_49	0.006	0.9771	1.7
385	50904	37114	9	0.01	105.48	0.048048	0.026026	2_70061497	2_70869578	2_70	0.006	0.9771	1.7
2177	47923	39299	10	0.01	105.48	0.073073	0.036036	15_100101961	15_100681987	15_100	0.006	0.9771	1.7
1268	15253	7202	8	0.01	105.49	0.047047	0.029029	8_97285456	8_97956813	8_97	0.006	0.9771	1.7
817	37628	4853	10	0.01	105.5	0.077077	0.03003	5_50214568	5_50991368	5_50	0.006	0.9771	1.7
131	20062	48425	7	0.01	105.51	0.051051	0.032032	1_131011448	1_131973599	1_131	0.006	0.9771	1.7
519	48621	48622	3	0.01	105.52	0.03003	0.018018	3_41738237	3_41843056	3_41	0.006	0.9771	1.7
2538	51627	18556	5	0.01	105.52	0.02002	0.015015	19_90038588	19_90967583	19_90	0.006	0.9771	1.7

2587	49805	29232	14	0.01	105.53	0.07007	0.037037	19_139042393	19_139986269	19_139	0.006	0.9771	1.7
934	29619	17874	8	0.01	105.54	0.074074	0.025025	6_55046176	6_55956683	6_55	0.006	0.9771	1.7
2083	34640	11839	9	0.01	105.55	0.078078	0.039039	15_6040472	15_6978059	15_6	0.006	0.9771	1.7
134	20070	46053	12	0.01	105.55	0.038038	0.021021	1_134037038	1_134796719	1_134	0.006	0.9771	1.7
1220	47199	15356	4	0.01	105.56	0.035035	0.02002	8_49000633	8_49881116	8_49	0.006	0.9771	1.7
246	20384	54725	13	0.01	105.57	0.049049	0.031031	1_246005498	1_246950678	1_246	0.006	0.9771	1.7
825	59570	33205	9	0.01	105.58	0.061061	0.029029	5_58028366	5_58957433	5_58	0.006	0.9771	1.7
560	3116	58220	11	0.01	105.58	0.078078	0.037037	3_82013849	3_82697045	3_82	0.006	0.9771	1.7
823	46842	33443	7	0.01	105.59	0.04004	0.02002	5_56054855	5_56865644	5_56	0.006	0.9771	1.7
1253	56127	38156	8	0.01	105.6	0.069069	0.031031	8_82012032	8_82868297	8_82	0.006	0.9771	1.7
391	53479	54937	7	0.01	105.6	0.036036	0.017017	2_76037122	2_76667109	2_76	0.006	0.9771	1.7
2527	35190	44951	6	0.01	105.61	0.044044	0.023023	19_76478206	19_76830183	19_76	0.006	0.9771	1.7
2486	47198	29108	4	0.01	105.62	0.035035	0.015015	19_33571880	19_33819184	19_33	0.006	0.9771	1.7
390	49816	15876	7	0.01	105.62	0.036036	0.021021	2_75198782	2_75900120	2_75	0.006	0.9771	1.7
1233	7053	47208	3	0.01	105.63	0.023023	0.016016	8_62092621	8_62838673	8_62	0.006	0.9771	1.7
791	36399	41425	8	0.01	105.64	0.062062	0.026026	5_24041995	5_24782967	5_24	0.006	0.9771	1.7
254	1579	60730	15	0.01	105.64	0.101101	0.029029	1_254016770	1_254948269	1_254	0.006	0.9771	1.7
236	36931	46282	10	0.01	105.65	0.083083	0.036036	1_236058941	1_236949960	1_236	0.006	0.9771	1.7
2480	39602	29083	7	0.01	105.66	0.062062	0.034034	19_27034249	19_27962279	19_27	0.006	0.9771	1.7
2181	48328	53244	8	0.01	105.66	0.064064	0.027027	15_104065843	15_104904590	15_104	0.006	0.9771	1.7
2517	18832	48182	6	0.01	105.67	0.02002	0.014014	19_66009586	19_66356168	19_66	0.006	0.9771	1.7
1214	19274	56407	8	0.01	105.68	0.063063	0.027027	8_43068687	8_43955459	8_43	0.006	0.9771	1.7
2391	17473	48084	5	0.01	105.68	0.05005	0.024024	17_69061472	17_69344035	17_69	0.006	0.9771	1.7
878	16810	50196	4	0.01	105.69	0.03003	0.019019	5_111137068	5_111370405	5_111	0.006	0.9771	1.7
2575	14302	29208	10	0.01	105.7	0.046046	0.027027	19_127051537	19_127945580	19_127	0.006	0.9771	1.7
1817	14829	47482	5	0.01	105.7	0.042042	0.025025	13_113026364	13_113980170	13_113	0.006	0.9771	1.7
2187	27867	47942	9	0.01	105.71	0.082082	0.026026	15_110011380	15_110837014	15_110	0.006	0.9771	1.7
2180	12383	12387	8	0.01	105.72	0.042042	0.018018	15_103012674	15_103608693	15_103	0.006	0.9771	1.7
133	50525	59418	11	0.01	105.72	0.038038	0.027027	1_133084921	1_133781212	1_133	0.006	0.9771	1.7
152	20128	46098	10	0.01	105.73	0.051051	0.012012	1_152002404	1_152965216	1_152	0.006	0.9771	1.7
1922	17126	17221	3	0.01	105.73	0.038038	0.016016	13_218194240	13_218594088	13_218	0.006	0.9771	1.7
605	3342	61723	11	0.01	105.74	0.054054	0.021021	3_127121184	3_127967288	3_127	0.006	0.9771	1.7
933	5365	55604	4	0.01	105.75	0.04004	0.018018	6_54194696	6_54949995	6_54	0.006	0.9771	1.7
985	5487	23101	5	0.01	105.75	0.044044	0.024024	6_106010991	6_106324729	6_106	0.006	0.9771	1.7
1815	17198	56349	3	0.01	105.76	0.019019	0.013013	13_111492781	13_111921377	13_111	0.006	0.9771	1.7

1428	47284	24839	10	0.01	105.76	0.064064	0.03003	9_108009662	9_108882963	9_108	0.006	0.9771	1.7
1388	17134	7797	4	0.01	105.77	0.032032	0.018018	9_68169771	9_68936873	9_68	0.006	0.9771	1.7
170	46134	36805	12	0.01	105.78	0.05005	0.016016	1_170051398	1_170866800	1_170	0.006	0.9771	1.7
171	46140	1132	10	0.01	105.78	0.02002	0.016016	1_171062342	1_171980469	1_171	0.006	0.9771	1.7
1424	24834	54969	3	0.01	105.79	0.032032	0.021021	9_104255261	9_104996366	9_104	0.006	0.9771	1.7
1875	26464	56763	2	0.01	105.79	0.023023	0.017017	13_171148012	13_171208460	13_171	0.006	0.9771	1.7
2158	12241	12243	5	0.01	105.8	0.025025	0.015015	15_81428860	15_81992999	15_81	0.006	0.977	1.7
273	46367	1715	7	0.01	105.8	0.037037	0.023023	1_273060114	1_273825768	1_273	0.006	0.977	1.7
2147	39277	12218	8	0.01	105.81	0.057057	0.021021	15_70035825	15_70797627	15_70	0.006	0.977	1.7
2536	44954	14210	4	0.01	105.82	0.015015	0.012012	19_87347232	19_87901203	19_87	0.006	0.977	1.7
188	1226	36823	9	0.01	105.82	0.059059	0.024024	1_188025326	1_188990100	1_188	0.006	0.9771	1.7
2528	14201	48193	2	0.01	105.83	0.014014	0.009009	19_77046979	19_77333713	19_77	0.006	0.9771	1.7
158	20157	53155	9	0.01	105.83	0.078078	0.027027	1_158219331	1_158936835	1_158	0.006	0.9771	1.7
2288	44401	44402	8	0.01	105.84	0.067067	0.032032	16_53074447	16_53927692	16_53	0.006	0.977	1.7
978	5455	23083	5	0.01	105.84	0.034034	0.023023	6_99179136	6_99912189	6_99	0.006	0.9771	1.7
2565	48232	48234	4	0.01	105.85	0.013013	0.012012	19_117010968	19_117611622	19_117	0.006	0.9771	1.7
562	3123	46501	3	0.01	105.85	0.032032	0.019019	3_84495609	3_84745984	3_84	0.006	0.9771	1.7
2534	48198	48200	7	0	105.86	0.038038	0.013013	19_85284931	19_85914898	19_85	0.006	0.9771	1.7
1303	55683	7363	7	0	105.86	0.067067	0.018018	8_132376091	8_132945670	8_132	0.006	0.9771	1.7
2232	33451	51228	4	0	105.87	0.044044	0.022022	15_155667846	15_155782508	15_155	0.006	0.9771	1.7
2148	27777	12221	6	0	105.87	0.04004	0.017017	15_71357581	15_71846422	15_71	0.006	0.9771	1.7
1430	7951	38347	7	0	105.88	0.062062	0.027027	9_110108860	9_110626460	9_110	0.006	0.9771	1.7
1569	32219	52868	8	0	105.88	0.052052	0.024024	11_17133516	11_17982157	11_17	0.006	0.9771	1.7
2179	12379	50213	7	0	105.89	0.062062	0.023023	15_102338125	15_102673383	15_102	0.006	0.9771	1.7
2145	47893	12212	5	0	105.89	0.039039	0.015015	15_68046201	15_68354172	15_68	0.006	0.9771	1.7
1241	24208	55886	7	0	105.9	0.047047	0.018018	8_70033358	8_70991752	8_70	0.006	0.9771	1.7
2503	48168	54845	4	0	105.9	0.022022	0.007007	19_50662741	19_50904771	19_50	0.006	0.9771	1.7
192	46180	36841	8	0	105.91	0.04004	0.021021	1_192637720	1_192978414	1_192	0.006	0.9771	1.7
370	2328	16864	4	0	105.91	0.034034	0.019019	2_54381571	2_54881273	2_54	0.006	0.9771	1.7
521	2941	21334	3	0	105.91	0.023023	0.012012	3_43240931	3_43336137	3_43	0.006	0.9771	1.7
524	16651	31263	8	0	105.92	0.067067	0.025025	3_46206833	3_46893143	3_46	0.006	0.9771	1.7
2512	14179	14179	1	0	105.92	0.008008	0.004004	19_60471958	19_60471958	19_60	0.006	0.9771	1.7
1810	54050	33688	3	0	105.93	0.021021	0.014014	13_106051998	13_106808982	13_106	0.006	0.9771	1.7
2581	14327	29223	7	0	105.93	0.049049	0.022022	19_133074194	19_133995643	19_133	0.006	0.9771	1.7
788	4712	4715	3	0	105.94	0.021021	0.016016	5_21017524	5_21547496	5_21	0.006	0.9771	1.7

378	2313	57106	4	0	105.94	0.024024	0.012012	2_62015620	2_62521678	2_62	0.006	0.9771	1.7
1590	47350	8837	3	0	105.94	0.013013	0.009009	11_38785701	11_38996126	11_38	0.006	0.9771	1.7
2524	14199	57355	2	0	105.95	0.012012	0.01001	19_73417360	19_73903037	19_73	0.006	0.9771	1.7
2513	29137	14187	8	0	105.95	0.026026	0.014014	19_62086511	19_62675407	19_62	0.006	0.9771	1.7
377	36445	2314	5	0	105.96	0.028028	0.015015	2_61161245	2_61822605	2_61	0.006	0.9771	1.7
379	14713	14713	1	0	105.96	0.013013	0.007007	2_64970665	2_64970665	2_64	0.006	0.9771	1.7
392	61052	14515	4	0	105.96	0.015015	0.01001	2_77011684	2_77635095	2_77	0.006	0.9771	1.7
2509	30426	30426	1	0	105.97	0.013013	0.008008	19_57019187	19_57019187	19_57	0.006	0.9771	1.7
2152	12227	47896	6	0	105.97	0.021021	0.009009	15_75340693	15_75687558	15_75	0.006	0.9771	1.7
153	40094	1037	11	0	105.97	0.057057	0.02002	1_153144281	1_153965399	1_153	0.006	0.9771	1.7
2568	14284	34641	3	0	105.98	0.017017	0.011011	19_120411731	19_120937826	19_120	0.006	0.9771	1.7
1062	23413	41848	3	0	105.98	0.022022	0.015015	7_25105017	7_25215084	7_25	0.006	0.9771	1.7
2159	12245	12246	7	0	105.98	0.035035	0.021021	15_82310352	15_82835779	15_82	0.006	0.9771	1.7
2518	44948	29140	4	0	105.99	0.009009	0.005005	19_67110552	19_67818695	19_67	0.006	0.9771	1.7
2543	18223	18223	1	0	105.99	0.011011	0.009009	19_95141795	19_95141795	19_95	0.006	0.9771	1.7
2506	35161	39613	5	0	105.99	0.016016	0.011011	19_53047552	19_53798124	19_53	0.006	0.9771	1.7
2542	50082	50082	1	0	106	0.006006	0.004004	19_94468874	19_94468874	19_94	0.006	0.9771	1.7
372	60890	32196	3	0	106	0.027027	0.009009	2_56469735	2_56784798	2_56	0.006	0.9771	1.7
2541	34567	58352	5	0	106	0.014014	0.011011	19_93230002	19_93517538	19_93	0.006	0.9771	1.7
1217	54877	58652	2	0	106.01	0.016016	0.009009	8_46447767	8_46706900	8_46	0.006	0.9771	1.7
1319	18910	53483	3	0	106.01	0.023023	0.012012	8_148079360	8_148158316	8_148	0.006	0.9771	1.7
2504	51279	48171	3	0	106.01	0.019019	0.01001	19_51700353	19_51916470	19_51	0.006	0.9771	1.7
2546	44955	44955	1	0	106.02	0.007007	0.005005	19_98978944	19_98978944	19_98	0.006	0.977	1.7
313	1982	59572	4	0	106.02	0.029029	0.013013	1_313111618	1_313351010	1_313	0.006	0.977	1.7
2540	48205	14212	2	0	106.02	0.009009	0.007007	19_92108045	19_92882230	19_92	0.006	0.977	1.7
151	50688	46093	9	0	106.02	0.044044	0.014014	1_151009336	1_151961290	1_151	0.006	0.977	1.7
2548	48213	14217	9	0	106.03	0.008008	0.005005	19_100022640	19_100911159	19_100	0.006	0.977	1.7
2544	60857	60857	1	0	106.03	0.011011	0.008008	19_96090467	19_96090467	19_96	0.006	0.977	1.7
2592	33256	34967	2	0	106.03	0.015015	0.009009	19_144033871	19_144039023	19_144	0.006	0.977	1.7
2585	58402	61235	7	0	106.03	0.046046	0.009009	19_137042297	19_137958381	19_137	0.006	0.977	1.7
2485	14124	52161	3	0	106.04	0.015015	0.007007	19_32076524	19_32496364	19_32	0.006	0.977	1.7
1219	18326	53725	2	0	106.04	0.018018	0.011011	8_48642685	8_48649970	8_48	0.006	0.977	1.7
312	1979	34450	3	0	106.04	0.016016	0.007007	1_312364898	1_312829468	1_312	0.006	0.977	1.7
475	52115	33144	2	0	106.04	0.014014	0.01001	2_160085066	2_160404226	2_160	0.006	0.9771	1.7
237	61841	1490	9	0	106.05	0.067067	0.019019	1_237029410	1_237900874	1_237	0.006	0.9771	1.7

911	5337	32684	3	0	106.05	0.022022	0.014014	6_32034710	6_32835598	6_32	0.006	0.9771	1.7
315	53815	58893	2	0	106.05	0.014014	0.008008	1_315187351	1_315214500	1_315	0.006	0.9771	1.7
2193	12430	35814	5	0	106.05	0.012012	0.009009	15_116028994	15_116461585	15_116	0.006	0.9771	1.7
217	46241	54097	5	0	106.05	0.043043	0.008008	1_217060222	1_217544827	1_217	0.006	0.9771	1.7
478	52757	29919	3	0	106.05	0.028028	0.013013	3_72705	3_715273	3_0	0.006	0.9771	1.7
2525	48190	55672	2	0	106.06	0.021021	0.004004	19_74064515	19_74704535	19_74	0.006	0.9771	1.7
314	56225	60162	2	0	106.06	0.019019	0.006006	1_314046273	1_314869351	1_314	0.006	0.9771	1.7
2566	44980	48236	3	0	106.06	0.007007	0.006006	19_118208682	19_118515509	19_118	0.006	0.9771	1.7
2549	35143	14220	6	0	106.06	0.034034	0.013013	19_101068864	19_101736276	19_101	0.006	0.9771	1.7
2532	33245	33245	1	0	106.06	0.008008	0.006006	19_83670009	19_83670009	19_83	0.006	0.9771	1.7
1832	47501	55112	2	0	106.06	0.02002	0.006006	13_128100425	13_128280037	13_128	0.006	0.9771	1.7
2522	14195	14197	5	0	106.06	0.001001	0.001001	19_71022228	19_71708533	19_71	0.006	0.9771	1.7
330	30120	30120	1	0	106.07	0.007007	0.005005	2_14035728	2_14035728	2_14	0.006	0.9771	1.7
2530	32782	48196	4	0	106.07	0.005005	0.003003	19_79121304	19_79867005	19_79	0.006	0.977	1.7
2505	56773	56148	2	0	106.07	0.005005	0.005005	19_52288809	19_52526689	19_52	0.006	0.977	1.7
474	17340	17340	1	0	106.07	0.008008	0.004004	2_159250446	2_159250446	2_159	0.006	0.977	1.7
2516	48179	44946	4	0	106.07	0.005005	0.003003	19_65733803	19_65997012	19_65	0.006	0.977	1.7
1429	7949	47286	2	0	106.07	0.02002	0.003003	9_109458359	9_109683264	9_109	0.006	0.977	1.7
2531	14204	49788	3	0	106.07	0.013013	0.001001	19_80145695	19_80969428	19_80	0.006	0.977	1.7
2515	57187	29138	4	0	106.07	0.012012	0.002002	19_64571859	19_64882657	19_64	0.006	0.977	1.7
2521	14193	14194	2	0	106.07	0.004004	0.001001	19_70337525	19_70360767	19_70	0.006	0.977	1.7
235	55965	20360	2	0	106.07	0.005005	0	1_235179193	1_235988757	1_235	0.006	0.977	1.7
520	15813	2940	2	0	106.07	0.017017	0	3_42047929	3_42096113	3_42	0.006	0.977	1.7
1215	7007	57562	2	0	106.07	0.003003	0	8_44927836	8_44940909	8_44	0.006	0.977	1.7
2547	48208	48212	7	0	106.07	0.015015	0	19_99091294	19_99836761	19_99	0.006	0.977	1.7
2520	37477	37477	1	0	106.07	0	0	19_69589470	19_69589470	19_69	0.006	0.977	1.7
394	56802	58682	2	0	106.07	0	0	2_79296283	2_79772013	2_79	0.006	0.977	1.7
393	51163	51163	1	0	106.07	0	0	2_78174324	2_78174324	2_78	0.006	0.977	1.7
2519	48185	61984	2	0	106.07	0	0	19_68685785	19_68863251	19_68	0.006	0.977	1.7
1121	47109	47109	1	0	106.07	0	0	7_85445625	7_85445625	7_85	0.006	0.977	1.7
2545	48206	35173	4	0	106.07	0	0	19_97152327	19_97832104	19_97	0.006	0.977	1.7
2526	48298	34562	3	0	106.07	0	0	19_75081784	19_75703473	19_75	0.006	0.977	1.7
2539	14213	58883	2	0	106.07	0	0	19_91102005	19_91344424	19_91	0.006	0.977	1.7
2511	52649	14180	2	0	106.07	0	0	19_59374460	19_59411403	19_59	0.006	0.977	1.7
476	55507	55507	1	0	106.07	0	0	2_161880071	2_161880071	2_161	0.006	0.977	1.7

2510	43884	44941	3	0	106.07	0	0	19_58094394	19_58911107	19_58	0.006	0.977	1.7
2537	53069	58669	2	0	106.07	0	0	19_89259122	19_89918982	19_89	0.006	0.977	1.7
388	51705	53572	2	0	106.07	0	0	2_73076347	2_73385525	2_73	0.006	0.977	1.7
2535	48201	48201	1	0	106.07	0	0	19_86201492	19_86201492	19_86	0.006	0.977	1.7
2533	34565	48197	2	0	106.07	0	0	19_84602688	19_84914270	19_84	0.006	0.977	1.7
2508	48172	44939	4	0	106.07	0	0	19_56659659	19_56808512	19_56	0.006	0.977	1.7
2507	30650	30650	1	0	106.07	0	0	19_55073511	19_55073511	19_55	0.006	0.977	1.7

Table S2. Haplotype substitution effects for TNF- α (21 dpi), PCV2-specific antibodies and viremia based on SNPs *ASGA0037733*, *MARC0036344*, *MARC0054423* and *MARC0095540* (SSC8, 9 - 10 Mb)

Trait	Haplotype 1	Haplotype 2	Haplotype 3	Haplotype 4	Prob > F
IgM 7 dpi	0.013**	-0.001	-0.012*	0.001	0.174
IgM 14 dpi	0.019	0.016	-0.003	-0.032	0.884
IgM 21 dpi	-0.028	0.141**	-0.051	-0.062	0.138
IgM 28 dpi	-0.031	0.115**	-0.068	-0.016	0.223
IgG 7 dpi	-0.001	-0.008	0.003	0.007	0.474
IgG 14 dpi	-0.01	-0.002	0.006	0.005	0.893
IgG 21 dpi	0.045	0.16**	-0.101	-0.104*	0.053
IgG 28 dpi	0.015	0.113*	-0.06	-0.068	0.387
Viremia 7 dpi	-0.068	0.051	0.002	0.015	0.744
Viremia 14 dpi	-0.046	0.044	0.063	-0.061	0.533
Viremia 21 dpi	-0.056	-0.006	0.103	-0.041	0.659
Viremia 28 dpi	-0.041	-0.003	0.089	-0.045	0.662
ADG wk 1	0.02	0.005	-0.019	-0.006	0.463
ADG wk 2	0	0.004	0.001	-0.005	0.983
ADG wk 3	0.007	-0.018	0.02	-0.01	0.623
ADG wk 4	-0.019	-0.008	0.008	0.02	0.497
ADG 0 to 28 d	0	-0.006	0.009	-0.003	0.907
Viral load	-1.32	1.111	0.739	-0.529	0.593
TNF- α 21 dpi (Log 10)	0.019	0.017	0.019	-0.055**	0.085

Significance of the difference from the average of the haplotype substitution effects : *, $P < 0.15$; **: $P < 0.05$