

assignment 2

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```
rm(list = ls()) #cleaning the environment
library(readr)
library(knitr)
library(class)
library(ggplot2)
library(dplyr)
```

```
##
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':
##
##   filter, lag

## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

```
UniversalBank <- read.csv("~/Downloads/UniversalBank.csv")
UniversalBank
```

	ID	Age	Experience	Income	ZIP.Code	Family	CCAvg	Education	Mortgage
## 1	1	25	1	49	91107	4	1.60	1	0
## 2	2	45	19	34	90089	3	1.50	1	0
## 3	3	39	15	11	94720	1	1.00	1	0
## 4	4	35	9	100	94112	1	2.70	2	0
## 5	5	35	8	45	91330	4	1.00	2	0
## 6	6	37	13	29	92121	4	0.40	2	155
## 7	7	53	27	72	91711	2	1.50	2	0
## 8	8	50	24	22	93943	1	0.30	3	0
## 9	9	35	10	81	90089	3	0.60	2	104
## 10	10	34	9	180	93023	1	8.90	3	0
## 11	11	65	39	105	94710	4	2.40	3	0
## 12	12	29	5	45	90277	3	0.10	2	0
## 13	13	48	23	114	93106	2	3.80	3	0
## 14	14	59	32	40	94920	4	2.50	2	0
## 15	15	67	41	112	91741	1	2.00	1	0
## 16	16	60	30	22	95054	1	1.50	3	0
## 17	17	38	14	130	95010	4	4.70	3	134
## 18	18	42	18	81	94305	4	2.40	1	0
## 19	19	46	21	193	91604	2	8.10	3	0
## 20	20	55	28	21	94720	1	0.50	2	0
## 21	21	56	31	25	94015	4	0.90	2	111
## 22	22	57	27	63	90095	3	2.00	3	0
## 23	23	29	5	62	90277	1	1.20	1	260

## 24	24	44	18	43	91320	2	0.70	1	163
## 25	25	36	11	152	95521	2	3.90	1	159
## 26	26	43	19	29	94305	3	0.50	1	97
## 27	27	40	16	83	95064	4	0.20	3	0
## 28	28	46	20	158	90064	1	2.40	1	0
## 29	29	56	30	48	94539	1	2.20	3	0
## 30	30	38	13	119	94104	1	3.30	2	0
## 31	31	59	35	35	93106	1	1.20	3	122
## 32	32	40	16	29	94117	1	2.00	2	0
## 33	33	53	28	41	94801	2	0.60	3	193
## 34	34	30	6	18	91330	3	0.90	3	0
## 35	35	31	5	50	94035	4	1.80	3	0
## 36	36	48	24	81	92647	3	0.70	1	0
## 37	37	59	35	121	94720	1	2.90	1	0
## 38	38	51	25	71	95814	1	1.40	3	198
## 39	39	42	18	141	94114	3	5.00	3	0
## 40	40	38	13	80	94115	4	0.70	3	285
## 41	41	57	32	84	92672	3	1.60	3	0
## 42	42	34	9	60	94122	3	2.30	1	0
## 43	43	32	7	132	90019	4	1.10	2	412
## 44	44	39	15	45	95616	1	0.70	1	0
## 45	45	46	20	104	94065	1	5.70	1	0
## 46	46	57	31	52	94720	4	2.50	1	0
## 47	47	39	14	43	95014	3	0.70	2	153
## 48	48	37	12	194	91380	4	0.20	3	211
## 49	49	56	26	81	95747	2	4.50	3	0
## 50	50	40	16	49	92373	1	1.80	1	0
## 51	51	32	8	8	92093	4	0.70	2	0
## 52	52	61	37	131	94720	1	2.90	1	0
## 53	53	30	6	72	94005	1	0.10	1	207
## 54	54	50	26	190	90245	3	2.10	3	240
## 55	55	29	5	44	95819	1	0.20	3	0
## 56	56	41	17	139	94022	2	8.00	1	0
## 57	57	55	30	29	94005	3	0.10	2	0
## 58	58	56	31	131	95616	2	1.20	3	0
## 59	59	28	2	93	94065	2	0.20	1	0
## 60	60	31	5	188	91320	2	4.50	1	455
## 61	61	49	24	39	90404	3	1.70	2	0
## 62	62	47	21	125	93407	1	5.70	1	112
## 63	63	42	18	22	90089	1	1.00	1	0
## 64	64	42	17	32	94523	4	0.00	2	0
## 65	65	47	23	105	90024	2	3.30	1	0
## 66	66	59	35	131	91360	1	3.80	1	0
## 67	67	62	36	105	95670	2	2.80	1	336
## 68	68	53	23	45	95123	4	2.00	3	132
## 69	69	47	21	60	93407	3	2.10	1	0
## 70	70	53	29	20	90045	4	0.20	1	0
## 71	71	42	18	115	91335	1	3.50	1	0
## 72	72	53	29	69	93907	4	1.00	2	0
## 73	73	44	20	130	92007	1	5.00	1	0
## 74	74	41	16	85	94606	1	4.00	3	0
## 75	75	28	3	135	94611	2	3.30	1	0
## 76	76	31	7	135	94901	4	3.80	2	0
## 77	77	58	32	12	91320	3	0.30	3	0

## 78	78	46	20	29	92220	3	0.50	2	0
## 79	79	54	30	133	93305	2	2.60	3	0
## 80	80	50	26	19	94720	2	0.40	1	118
## 81	81	60	36	41	95134	4	1.30	1	174
## 82	82	47	22	40	94612	3	2.70	2	0
## 83	83	41	16	82	92507	1	4.00	3	0
## 84	84	33	9	50	94305	1	2.40	2	0
## 85	85	46	22	18	91730	1	0.90	3	0
## 86	86	27	2	109	94005	4	1.80	3	0
## 87	87	40	16	42	94501	4	2.20	2	126
## 88	88	48	22	78	94305	3	1.10	1	0
## 89	89	65	41	51	94117	2	1.10	1	0
## 90	90	25	-1	113	94303	4	2.30	3	0
## 91	91	55	30	118	90277	4	5.60	2	0
## 92	92	35	10	29	94105	4	1.10	3	0
## 93	93	43	19	34	94305	3	0.60	2	0
## 94	94	60	34	64	94550	2	1.70	3	236
## 95	95	65	39	121	92612	1	2.00	1	0
## 96	96	38	12	48	95617	4	0.20	3	0
## 97	97	41	15	80	95014	1	5.20	1	0
## 98	98	54	28	161	92121	1	2.90	1	0
## 99	99	49	23	94	92374	1	0.30	1	0
## 100	100	66	41	15	91711	3	0.10	3	0
## 101	101	48	23	74	94080	1	1.20	1	0
## 102	102	61	36	30	94608	3	1.30	2	0
## 103	103	53	23	44	93555	3	1.00	3	198
## 104	104	43	18	22	95670	2	0.30	2	0
## 105	105	56	32	38	93311	4	1.30	1	166
## 106	106	24	0	35	94704	3	0.10	2	0
## 107	107	43	17	69	92717	4	2.90	1	0
## 108	108	42	18	43	92037	1	0.70	1	136
## 109	109	33	7	32	95136	1	0.60	3	166
## 110	110	43	17	49	94542	1	2.80	1	0
## 111	111	41	14	9	91330	3	1.00	2	0
## 112	112	62	38	45	94143	4	1.30	2	0
## 113	113	40	15	82	91775	3	1.00	1	309
## 114	114	58	34	92	92703	2	2.80	1	103
## 115	115	39	14	39	92354	3	0.50	3	0
## 116	116	65	40	81	92024	3	1.80	2	0
## 117	117	54	29	35	92831	1	1.50	2	0
## 118	118	58	33	61	92833	2	2.30	3	193
## 119	119	41	16	73	92647	3	3.00	1	0
## 120	120	32	7	112	94304	1	4.60	1	366
## 121	121	54	29	12	90057	2	0.20	3	0
## 122	122	52	26	38	91711	3	0.90	3	0
## 123	123	58	32	73	94523	2	0.70	2	0
## 124	124	37	13	84	92130	1	3.60	2	0
## 125	125	39	15	78	92121	4	2.40	1	118
## 126	126	60	35	80	91301	3	0.50	1	0
## 127	127	31	5	115	92096	2	1.30	1	101
## 128	128	34	8	82	92646	1	2.70	2	251
## 129	129	38	14	74	92182	2	0.00	1	0
## 130	130	41	16	70	92131	3	0.50	3	0
## 131	131	28	4	81	94801	3	1.50	1	276

## 132	132	58	34	149	93720	4	7.20	2	0
## 133	133	31	1	51	90840	2	1.75	3	0
## 134	134	30	4	39	90245	3	1.10	2	0
## 135	135	53	29	98	95035	3	1.80	2	0
## 136	136	58	33	45	93010	4	2.10	1	0
## 137	137	59	32	49	95035	4	2.50	2	0
## 138	138	49	25	128	95054	2	0.40	1	0
## 139	139	59	34	42	94928	3	1.50	1	0
## 140	140	59	35	18	93305	1	1.20	3	0
## 141	141	51	25	31	90245	2	0.40	3	161
## 142	142	35	11	58	95831	3	2.00	1	149
## 143	143	33	9	48	91770	1	2.10	3	0
## 144	144	25	1	54	94117	4	1.60	1	0
## 145	145	49	23	70	92093	2	1.50	2	0
## 146	146	59	35	124	90007	1	7.40	1	0
## 147	147	46	19	84	94102	1	2.67	2	0
## 148	148	50	25	83	94542	4	3.60	3	188
## 149	149	52	28	163	91423	2	0.40	1	116
## 150	150	48	22	42	93955	3	2.20	2	0
## 151	151	46	22	118	94107	2	7.50	1	0
## 152	152	26	0	132	92834	3	6.50	3	0
## 153	153	57	32	24	93117	1	1.30	1	0
## 154	154	60	36	22	94551	2	1.00	1	0
## 155	155	54	29	58	92612	4	1.30	3	0
## 156	156	24	0	60	94596	4	1.60	1	0
## 157	157	26	0	15	92131	4	0.40	1	0
## 158	158	41	17	83	94025	4	2.67	1	0
## 159	159	32	6	79	94720	2	1.50	3	0
## 160	160	61	35	41	94545	4	1.70	2	0
## 161	161	29	0	134	95819	4	6.50	3	0
## 162	162	61	35	80	95053	2	2.80	1	0
## 163	163	38	12	52	90036	1	2.00	1	0
## 164	164	28	4	70	91125	4	2.60	1	0
## 165	165	53	27	92	95120	2	1.10	1	0
## 166	166	27	1	43	94706	1	1.50	1	0
## 167	167	25	1	21	95827	3	1.00	2	0
## 168	168	33	9	23	94305	3	0.90	3	0
## 169	169	50	26	13	91320	4	1.00	1	0
## 170	170	27	1	112	90503	4	2.10	3	0
## 171	171	27	1	138	90250	2	2.00	1	0
## 172	172	52	28	11	95817	3	0.40	1	0
## 173	173	38	13	171	92717	2	7.80	1	0
## 174	174	58	34	42	90095	4	1.50	1	0
## 175	175	42	17	168	95503	2	7.90	2	0
## 176	176	45	20	85	91711	4	1.10	2	0
## 177	177	52	25	44	93111	3	1.00	2	135
## 178	178	29	3	65	94132	4	1.80	2	244
## 179	179	53	29	24	95818	4	0.20	1	0
## 180	180	62	37	11	91942	1	0.10	1	0
## 181	181	51	27	38	90401	2	1.00	3	164
## 182	182	36	12	10	93524	4	0.70	2	81
## 183	183	24	0	135	95133	1	1.50	1	0
## 184	184	29	3	148	92173	3	4.10	1	0
## 185	185	52	26	63	92717	2	1.50	2	0

## 186	186	39	14	115	91320	1	1.00	3	0
## 187	187	48	23	45	95616	1	0.30	1	0
## 188	188	46	21	159	94305	3	1.90	3	315
## 189	189	64	40	169	91320	2	2.10	1	122
## 190	190	55	29	112	94043	2	1.40	1	0
## 191	191	60	36	93	92521	1	4.30	1	0
## 192	192	51	25	29	90404	1	0.30	3	140
## 193	193	50	23	85	92122	1	2.67	2	0
## 194	194	48	24	21	93118	4	0.60	1	0
## 195	195	53	29	144	92697	2	6.80	1	0
## 196	196	34	10	13	94577	4	1.00	1	95
## 197	197	48	24	165	93407	1	5.00	1	0
## 198	198	55	31	9	91345	4	0.70	1	89
## 199	199	27	3	59	94123	4	0.00	1	90
## 200	200	36	11	158	92152	1	5.10	3	0
## 201	201	32	6	29	91355	1	1.90	3	0
## 202	202	35	9	20	94609	2	1.40	3	0
## 203	203	30	3	68	94306	4	2.00	2	0
## 204	204	58	34	65	95747	4	2.20	1	0
## 205	205	56	31	61	96150	2	1.90	2	105
## 206	206	38	12	91	95616	4	1.40	2	100
## 207	207	49	25	31	91355	1	1.00	1	0
## 208	208	34	10	71	94115	4	0.10	2	0
## 209	209	40	16	73	94110	4	2.67	1	0
## 210	210	64	39	172	94707	4	3.10	1	282
## 211	211	51	26	20	92131	2	0.00	1	0
## 212	212	44	18	55	94720	1	0.20	1	0
## 213	213	46	22	69	91604	2	1.70	1	209
## 214	214	57	33	155	91326	1	7.40	1	0
## 215	215	54	28	94	90291	1	1.90	2	0
## 216	216	38	14	92	95818	2	0.00	1	249
## 217	217	27	3	125	95521	2	0.60	1	0
## 218	218	39	14	74	94305	3	3.00	1	0
## 219	219	44	20	72	92807	3	0.30	3	0
## 220	220	56	30	61	94707	1	2.20	3	0
## 221	221	32	6	25	92130	2	0.30	1	0
## 222	222	45	19	83	95051	2	1.70	2	0
## 223	223	26	2	104	94306	3	2.50	1	0
## 224	224	55	25	41	95014	3	1.00	3	0
## 225	225	52	27	58	94305	4	1.80	3	91
## 226	226	39	13	93	94720	1	1.50	3	0
## 227	227	24	-1	39	94085	2	1.70	2	0
## 228	228	47	23	148	94551	2	7.50	1	0
## 229	229	47	22	53	92677	4	1.90	3	98
## 230	230	48	24	71	93117	2	1.70	1	145
## 231	231	47	22	92	94720	1	2.80	2	0
## 232	232	35	10	61	94304	4	2.10	3	0
## 233	233	46	19	38	94122	3	2.50	2	135
## 234	234	62	37	58	91320	4	1.70	1	0
## 235	235	26	1	80	95616	1	0.80	2	150
## 236	236	38	8	71	94720	4	1.80	3	0
## 237	237	43	18	89	93407	3	0.50	3	0
## 238	238	62	38	83	92521	1	1.80	3	0
## 239	239	57	32	28	95831	3	0.20	1	0

##	240	240	28	3	52	94112	4	1.70	2	0
##	241	241	51	26	70	90089	1	1.20	1	169
##	242	242	48	22	71	91711	1	1.40	3	0
##	243	243	41	16	75	94005	1	3.70	3	280
##	244	244	65	39	170	90095	3	7.90	3	99
##	245	245	41	17	78	94025	4	0.80	1	78
##	246	246	35	11	25	92614	2	1.00	2	0
##	247	247	38	14	60	94025	2	0.60	3	0
##	248	248	53	29	120	92626	4	2.70	2	111
##	249	249	55	29	99	92121	2	1.40	1	264
##	250	250	26	1	55	90089	3	2.60	3	113
##	251	251	30	6	29	94305	3	1.00	2	117
##	252	252	54	28	170	92182	2	6.20	2	325
##	253	253	65	40	53	91711	3	2.20	1	0
##	254	254	47	21	138	94583	1	0.00	1	0
##	255	255	65	41	134	91942	3	3.90	3	121
##	256	256	66	40	42	92103	2	0.70	3	138
##	257	257	26	0	99	92697	4	2.30	3	0
##	258	258	66	41	18	92691	3	0.50	1	0
##	259	259	35	9	24	95747	4	0.30	1	0
##	260	260	56	30	55	94107	1	1.40	1	77
##	261	261	51	27	58	92407	1	0.00	1	0
##	262	262	42	16	111	93106	2	1.20	3	251
##	263	263	49	23	33	90245	1	0.30	3	0
##	264	264	27	1	74	92121	4	1.80	2	112
##	265	265	45	19	38	90840	2	0.70	1	0
##	266	266	49	23	23	94305	4	0.60	3	98
##	267	267	63	38	61	94720	2	1.50	1	0
##	268	268	47	22	81	90504	1	2.90	1	138
##	269	269	64	39	129	94002	1	2.50	1	0
##	270	270	43	13	33	95039	1	0.75	3	0
##	271	271	60	36	63	94063	4	2.20	1	0
##	272	272	40	14	70	94923	4	1.40	2	0
##	273	273	29	3	45	95023	4	0.20	1	158
##	274	274	41	16	65	90095	3	0.50	3	0
##	275	275	30	5	74	95616	4	2.20	1	0
##	276	276	49	24	50	94706	4	1.80	3	0
##	277	277	30	5	22	90058	4	0.50	3	109
##	278	278	29	2	30	92126	4	1.00	3	0
##	279	279	50	26	21	91125	4	1.00	1	0
##	280	280	39	14	155	94577	2	3.90	1	0
##	281	281	33	8	64	92121	4	2.10	3	164
##	282	282	57	31	65	94118	4	2.60	3	0
##	283	283	34	9	71	91711	4	0.70	3	0
##	284	284	61	36	40	90029	3	0.50	2	0
##	285	285	44	19	69	92806	3	0.50	3	0
##	286	286	40	13	69	94305	3	2.33	2	0
##	287	287	51	25	45	94806	3	0.60	2	131
##	288	288	37	12	62	92110	3	0.70	2	0
##	289	289	44	19	172	94306	2	4.30	3	391
##	290	290	42	15	24	92121	3	1.00	2	0
##	291	291	51	25	80	92373	1	4.90	1	0
##	292	292	43	16	8	90089	3	0.67	2	88
##	293	293	30	5	38	94542	4	0.80	1	129

##	294	294	45	19	93	90095	4	2.60	3	0
##	295	295	35	9	55	94536	1	2.00	1	0
##	296	296	60	34	64	94304	2	1.70	3	0
##	297	297	34	9	122	90623	1	0.00	1	0
##	298	298	55	25	70	93720	3	1.40	3	0
##	299	299	43	19	81	92069	2	3.20	1	0
##	300	300	41	15	159	90057	1	5.50	3	0
##	301	301	34	9	70	92843	4	1.30	1	0
##	302	302	65	39	150	92120	2	6.90	1	196
##	303	303	45	21	152	94550	2	7.50	1	0
##	304	304	49	25	195	95605	4	3.00	1	617
##	305	305	48	23	22	90740	1	0.10	1	0
##	306	306	60	35	22	91207	1	1.30	1	123
##	307	307	55	29	79	92373	3	0.80	1	0
##	308	308	42	18	33	90401	1	1.40	3	0
##	309	309	32	8	128	94720	2	4.33	1	0
##	310	310	62	38	91	95929	1	3.80	1	0
##	311	311	57	32	39	90277	4	0.90	1	0
##	312	312	52	26	121	94550	1	7.30	1	167
##	313	313	36	6	21	91741	1	0.67	3	0
##	314	314	34	9	41	93720	3	2.30	1	0
##	315	315	63	37	45	93437	2	0.70	3	0
##	316	316	24	-2	51	90630	3	0.30	3	0
##	317	317	57	31	165	95054	1	1.60	2	0
##	318	318	40	16	119	91335	2	4.20	2	0
##	319	319	27	2	110	95670	4	1.80	3	190
##	320	320	65	39	20	90034	3	0.70	2	0
##	321	321	60	34	64	90266	1	0.80	2	248
##	322	322	44	20	101	92717	3	4.40	2	82
##	323	323	63	39	101	92007	1	3.90	1	0
##	324	324	59	34	99	90034	1	4.40	1	0
##	325	325	56	30	158	90089	4	6.10	1	0
##	326	326	54	28	89	95039	1	1.90	2	0
##	327	327	52	27	80	95616	1	1.30	3	0
##	328	328	58	32	114	91330	2	2.00	1	402
##	329	329	60	35	49	94110	3	0.50	2	0
##	330	330	28	4	191	90064	1	6.33	1	0
##	331	331	54	30	78	92374	4	1.00	2	0
##	332	332	32	6	28	94115	3	1.00	1	0
##	333	333	59	33	42	95630	1	0.80	2	0
##	334	334	63	38	140	92407	1	2.50	1	0
##	335	335	48	23	45	95053	1	1.30	2	0
##	336	336	56	32	122	95827	2	0.30	1	360
##	337	337	36	12	65	95051	3	2.60	2	0
##	338	338	57	27	68	94117	1	1.40	3	0
##	339	339	29	3	153	93657	2	2.00	1	392
##	340	340	39	13	89	92110	4	1.40	2	0
##	341	341	59	34	91	93524	1	2.60	1	0
##	342	342	31	6	55	92038	4	2.00	2	185
##	343	343	43	19	118	91304	2	3.30	1	0
##	344	344	35	5	22	93407	1	0.67	3	103
##	345	345	54	24	63	92606	3	1.40	3	138
##	346	346	51	27	12	92192	4	0.50	2	78
##	347	347	44	19	50	90745	3	2.70	2	0

## 348	348	25	0	43	94305	2	1.60	3	0
## 349	349	40	15	173	95060	4	6.60	1	0
## 350	350	26	2	60	93407	2	3.00	1	132
## 351	351	39	14	113	94301	1	1.00	3	0
## 352	352	28	4	155	92182	4	5.30	2	0
## 353	353	52	28	91	92692	4	1.00	2	0
## 354	354	53	29	55	95818	4	1.10	2	0
## 355	355	44	20	173	90277	2	1.40	1	419
## 356	356	43	19	71	92101	3	0.30	3	0
## 357	357	56	30	24	94704	2	0.40	3	88
## 358	358	38	14	42	94610	1	2.00	2	81
## 359	359	30	6	141	94539	2	4.33	1	0
## 360	360	32	6	32	93106	1	1.90	3	0
## 361	361	35	10	55	94539	4	1.30	1	0
## 362	362	43	19	153	90254	2	7.50	1	0
## 363	363	58	32	113	94590	2	1.40	1	270
## 364	364	25	0	30	92691	2	1.70	2	0
## 365	365	54	24	29	92028	3	1.00	3	148
## 366	366	57	32	174	90089	1	6.80	2	466
## 367	367	50	24	35	92717	1	0.30	3	0
## 368	368	32	8	98	95054	2	2.00	2	175
## 369	369	63	37	30	92054	2	1.00	3	159
## 370	370	31	6	58	95051	2	2.50	1	0
## 371	371	36	12	25	92101	4	1.00	1	147
## 372	372	58	34	19	92029	4	0.70	1	0
## 373	373	56	30	44	93105	4	0.70	2	174
## 374	374	49	25	20	90291	4	1.00	1	111
## 375	375	30	5	98	91941	2	3.10	1	220
## 376	376	33	7	90	92346	3	1.60	1	0
## 377	377	45	21	61	94304	3	0.70	1	0
## 378	378	30	5	40	94402	4	2.00	2	0
## 379	379	47	23	38	94618	2	2.10	3	0
## 380	380	25	0	28	92093	2	1.70	2	0
## 381	381	63	33	34	94305	1	1.50	3	0
## 382	382	55	29	73	95616	2	2.30	3	0
## 383	383	65	41	133	94904	4	2.00	1	0
## 384	384	44	18	53	94608	1	0.20	1	0
## 385	385	51	25	21	9307	4	0.60	3	0
## 386	386	35	9	40	93943	3	0.90	1	0
## 387	387	30	5	41	95051	4	1.70	2	0
## 388	388	31	5	82	95482	4	1.80	2	0
## 389	389	54	30	100	95814	4	3.40	3	0
## 390	390	45	20	155	90024	1	7.00	1	0
## 391	391	45	19	45	92521	1	0.20	1	0
## 392	392	58	32	9	94080	3	0.30	3	0
## 393	393	54	29	48	91709	4	1.80	3	0
## 394	394	53	28	18	90095	4	0.10	3	109
## 395	395	33	9	80	91311	4	3.40	1	0
## 396	396	60	35	64	94509	2	2.80	1	0
## 397	397	50	24	29	93023	4	0.10	1	0
## 398	398	26	2	48	90503	3	0.70	2	0
## 399	399	54	30	23	94608	2	0.40	1	0
## 400	400	28	3	84	90024	4	0.20	1	0
## 401	401	36	10	179	94542	3	6.60	1	0

##	402	402	29	2	30	95747	4	1.50	2	112
##	403	403	54	28	93	91604	1	4.90	1	133
##	404	404	55	30	39	92647	2	1.90	2	0
##	405	405	61	36	60	92866	3	0.50	2	182
##	406	406	36	11	133	90245	1	3.80	1	290
##	407	407	45	19	125	92354	1	2.40	1	0
##	408	408	64	40	58	93437	1	1.80	3	0
##	409	409	60	36	89	91745	2	2.80	1	0
##	410	410	49	22	82	90019	1	2.67	2	125
##	411	411	47	23	110	94111	2	3.30	1	0
##	412	412	60	36	54	92182	4	2.30	3	0
##	413	413	45	20	89	93311	4	1.90	3	0
##	414	414	32	7	42	92407	3	2.30	1	0
##	415	415	52	28	41	94309	3	1.90	2	0
##	416	416	35	8	38	93106	4	1.00	2	124
##	417	417	40	15	85	94304	2	0.40	1	0
##	418	418	53	29	83	90073	4	1.00	2	0
##	419	419	27	0	33	90089	4	1.00	3	0
##	420	420	58	33	50	94501	4	2.10	1	0
##	421	421	47	22	58	93105	4	3.60	3	0
##	422	422	28	3	115	92333	4	3.10	2	0
##	423	423	46	20	145	91380	2	6.30	1	0
##	424	424	43	19	161	95616	2	7.50	1	0
##	425	425	56	30	38	92029	1	0.20	1	0
##	426	426	28	3	28	90505	4	0.80	1	0
##	427	427	42	18	75	92182	3	2.33	1	0
##	428	428	32	7	35	92521	3	1.30	1	116
##	429	429	62	38	24	94720	2	1.00	1	116
##	430	430	37	13	78	94998	4	0.10	2	0
##	431	431	51	26	113	94086	1	1.30	3	161
##	432	432	39	13	75	94305	3	2.10	1	224
##	433	433	43	17	91	91311	1	5.70	1	0
##	434	434	52	28	31	91330	4	0.20	1	141
##	435	435	30	6	45	95819	1	1.80	2	0
##	436	436	52	26	80	94709	3	0.80	1	0
##	437	437	61	35	50	92122	3	1.40	3	112
##	438	438	36	9	31	95825	4	1.00	2	0
##	439	439	58	32	113	93943	2	3.80	2	119
##	440	440	47	23	29	94304	4	0.60	1	0
##	441	441	64	39	59	92626	2	1.50	1	139
##	442	442	52	27	43	93555	1	1.30	2	0
##	443	443	58	28	122	95136	1	3.00	3	115
##	444	444	48	24	29	90509	1	1.00	1	0
##	445	445	64	40	91	93106	2	0.00	3	0
##	446	446	58	32	65	94590	3	2.20	3	0
##	447	447	47	23	22	93108	1	1.00	1	0
##	448	448	49	23	71	95134	1	1.40	3	0
##	449	449	31	4	60	94588	4	2.00	2	0
##	450	450	61	37	60	91706	3	2.00	3	0
##	451	451	51	25	69	95747	1	0.30	1	0
##	452	452	28	-2	48	94132	2	1.75	3	89
##	453	453	39	13	21	94022	3	0.20	2	0
##	454	454	54	28	53	92109	4	2.80	2	0
##	455	455	50	24	29	94110	3	0.90	3	0

## 456	456	30	4	60	91107	4	2.20	2	0
## 457	457	64	39	42	92068	3	0.50	2	116
## 458	458	29	3	69	94303	3	0.30	3	0
## 459	459	48	24	20	95841	1	1.00	1	0
## 460	460	35	10	200	91107	2	3.00	1	458
## 461	461	60	36	141	90277	2	2.10	1	0
## 462	462	55	30	81	92123	2	3.70	1	0
## 463	463	29	4	183	91423	3	8.30	3	0
## 464	464	48	22	149	94928	2	5.50	2	0
## 465	465	43	19	83	94305	4	3.60	3	0
## 466	466	66	42	35	94305	1	1.90	2	172
## 467	467	25	0	13	91342	2	0.90	3	0
## 468	468	45	20	39	90232	1	2.40	1	0
## 469	469	34	10	21	92634	1	0.50	3	0
## 470	470	48	23	10	94609	2	0.70	3	0
## 471	471	32	6	84	91006	4	1.80	2	0
## 472	472	50	24	30	91768	4	0.10	1	161
## 473	473	43	19	31	90007	4	0.30	1	156
## 474	474	64	39	182	93955	1	1.20	2	547
## 475	475	60	34	114	90028	2	6.90	1	0
## 476	476	43	19	152	92008	3	6.10	2	0
## 477	477	60	34	53	92717	1	0.80	2	0
## 478	478	64	39	24	95112	4	0.40	2	78
## 479	479	44	20	150	95060	2	3.30	1	0
## 480	480	60	36	132	92154	2	6.00	1	470
## 481	481	54	29	68	94998	3	1.60	3	0
## 482	482	33	9	53	94063	1	1.20	1	0
## 483	483	56	32	173	94022	1	4.60	2	88
## 484	484	29	5	30	90095	3	1.00	2	0
## 485	485	25	1	113	95023	2	0.20	1	0
## 486	486	60	34	15	95014	1	0.80	2	0
## 487	487	55	30	84	92173	2	3.70	1	304
## 488	488	39	13	88	94117	4	1.40	2	0
## 489	489	37	13	43	94122	3	2.80	1	0
## 490	490	53	28	43	91380	2	2.10	3	0
## 491	491	34	10	90	94303	2	2.70	1	0
## 492	492	42	18	34	92115	4	0.30	1	104
## 493	493	60	36	38	94596	4	1.30	1	0
## 494	494	50	24	173	94720	1	1.00	1	0
## 495	495	41	17	160	92647	2	8.00	1	0
## 496	496	25	0	44	94545	4	0.60	2	0
## 497	497	50	24	83	94301	2	0.40	3	0
## 498	498	48	22	94	90623	4	2.60	3	0
## 499	499	32	8	43	95023	1	2.10	3	0
## 500	500	50	25	42	93108	3	1.70	2	0
## 501	501	59	33	34	92177	2	0.30	1	0
## 502	502	50	26	39	90640	3	1.90	2	0
## 503	503	44	19	70	92833	1	0.10	2	0
## 504	504	31	5	39	94022	4	1.80	3	185
## 505	505	40	10	44	94720	3	2.00	3	0
## 506	506	36	12	69	94305	3	3.10	2	0
## 507	507	51	25	44	94608	3	0.90	3	0
## 508	508	64	40	32	91380	3	0.10	3	0
## 509	509	47	22	15	95521	2	0.70	3	0

## 510	510	52	28	118	90503	2	6.80	1	112
## 511	511	51	26	62	95136	1	1.30	2	221
## 512	512	31	5	82	94143	4	2.20	2	0
## 513	513	39	14	54	95035	3	3.00	1	108
## 514	514	30	6	48	94607	1	2.10	3	0
## 515	515	27	1	74	91730	3	0.30	3	0
## 516	516	41	16	113	92780	1	1.00	3	211
## 517	517	53	27	81	90009	3	1.70	2	0
## 518	518	54	27	43	92834	3	1.00	2	169
## 519	519	28	4	34	92677	1	1.80	2	0
## 520	520	34	9	48	95616	1	2.50	3	105
## 521	521	61	37	54	90024	4	1.20	2	129
## 522	522	48	24	75	92518	4	1.40	2	0
## 523	523	36	11	72	91007	1	2.80	1	224
## 524	524	56	31	39	93023	4	0.90	1	0
## 525	525	24	-1	75	93014	4	0.20	1	0
## 526	526	64	38	79	94024	2	2.80	1	179
## 527	527	26	2	205	93106	1	6.33	1	271
## 528	528	33	8	65	90027	2	0.10	1	89
## 529	529	64	39	122	90089	4	0.20	1	378
## 530	530	39	15	82	95207	1	0.80	2	0
## 531	531	54	30	21	91706	2	0.20	1	0
## 532	532	32	6	50	90401	4	2.10	3	0
## 533	533	62	37	39	94305	2	2.80	1	113
## 534	534	27	2	101	92807	1	1.90	1	0
## 535	535	53	28	41	93117	2	0.60	3	0
## 536	536	51	25	132	94143	1	0.30	1	0
## 537	537	25	-1	43	92173	3	2.40	2	176
## 538	538	44	20	131	90717	1	4.90	3	0
## 539	539	31	5	11	94534	1	0.40	2	76
## 540	540	57	32	21	94720	1	0.30	3	117
## 541	541	25	-1	109	94010	4	2.30	3	314
## 542	542	30	6	141	95014	2	4.33	1	0
## 543	543	40	14	81	94709	3	0.10	1	0
## 544	544	63	38	54	94704	3	2.40	1	90
## 545	545	35	10	164	91614	2	7.80	1	0
## 546	546	43	19	28	94303	4	0.30	1	87
## 547	547	27	2	68	94025	3	2.60	3	203
## 548	548	44	14	44	94132	3	2.00	3	180
## 549	549	49	23	61	94117	1	1.40	3	0
## 550	550	61	36	35	94110	3	1.30	2	0
## 551	551	60	34	54	94301	3	0.30	2	0
## 552	552	59	34	14	93118	1	0.10	1	0
## 553	553	28	3	52	90024	4	2.20	1	230
## 554	554	52	28	101	91330	2	0.30	1	0
## 555	555	28	2	149	94720	2	7.20	1	0
## 556	556	34	8	35	92037	4	0.80	1	137
## 557	557	60	34	21	93105	3	0.30	3	129
## 558	558	39	15	118	95039	2	1.90	1	0
## 559	559	30	5	38	95064	4	2.00	2	0
## 560	560	49	25	24	95818	4	0.20	1	138
## 561	561	43	18	59	93943	1	3.70	3	0
## 562	562	63	33	41	94234	4	1.67	3	0
## 563	563	28	3	85	94035	1	0.80	2	0

## 564	564	51	27	12	94608	4	1.00	1	0
## 565	565	33	7	32	94904	1	0.60	3	152
## 566	566	55	29	79	90210	3	0.80	1	0
## 567	567	53	28	175	95060	3	3.60	3	0
## 568	568	34	8	28	95112	3	0.90	1	0
## 569	569	34	9	41	92101	2	0.10	1	161
## 570	570	40	14	70	95136	3	2.10	1	185
## 571	571	49	25	161	94928	3	6.50	2	485
## 572	572	35	9	53	94143	4	2.20	2	0
## 573	573	39	15	128	92333	1	3.40	1	0
## 574	574	55	28	50	95020	3	1.00	2	0
## 575	575	29	5	80	94709	2	2.00	2	0
## 576	576	54	30	93	91107	1	2.70	2	0
## 577	577	25	-1	48	92870	3	0.30	3	0
## 578	578	52	28	149	94043	2	6.80	1	0
## 579	579	46	19	49	92124	3	2.50	2	0
## 580	580	57	33	88	93524	1	2.70	2	0
## 581	581	52	22	22	90049	4	0.40	3	0
## 582	582	28	3	55	94521	4	2.20	1	0
## 583	583	44	18	72	95678	1	0.70	3	155
## 584	584	24	-1	38	95045	2	1.70	2	0
## 585	585	40	16	114	91604	1	3.40	1	300
## 586	586	34	4	83	92653	4	4.00	3	0
## 587	587	39	14	101	94305	2	0.40	1	0
## 588	588	50	24	94	93305	1	4.90	1	272
## 589	589	41	17	40	93117	2	2.50	1	0
## 590	590	31	7	128	92821	1	6.00	1	0
## 591	591	29	3	39	94612	4	2.10	3	0
## 592	592	30	5	51	92037	1	1.00	1	0
## 593	593	44	20	79	95051	4	2.00	3	0
## 594	594	33	7	48	90025	4	2.20	2	0
## 595	595	50	26	85	94143	1	0.00	1	144
## 596	596	42	18	41	92121	1	1.80	1	94
## 597	597	48	22	152	94022	1	3.50	3	0
## 598	598	24	-2	125	92835	2	7.20	1	0
## 599	599	56	31	11	92374	2	0.20	3	90
## 600	600	28	4	103	94720	2	2.50	1	0
## 601	601	56	30	141	94143	2	0.50	1	0
## 602	602	58	32	38	91320	1	1.40	1	0
## 603	603	29	5	135	95035	2	0.60	1	0
## 604	604	63	38	28	94720	2	0.50	2	89
## 605	605	28	3	70	90245	4	2.20	1	240
## 606	606	57	31	41	91330	1	0.20	1	0
## 607	607	34	8	81	91741	3	0.90	2	208
## 608	608	28	3	170	95014	1	0.10	3	0
## 609	609	27	2	55	91910	4	1.70	2	0
## 610	610	37	11	24	91770	4	1.50	3	0
## 611	611	52	28	81	94132	3	1.80	2	275
## 612	612	49	23	32	94701	4	1.80	1	83
## 613	613	65	40	129	90095	1	1.30	1	0
## 614	614	60	35	108	94904	1	0.90	1	0
## 615	615	37	12	180	90034	1	8.60	1	0
## 616	616	63	37	139	93943	2	6.90	1	0
## 617	617	40	14	33	94025	2	1.40	3	0

## 618	618	46	20	74	94024	4	2.60	3	0
## 619	619	63	37	42	91320	2	0.70	3	115
## 620	620	57	27	73	93106	1	3.00	3	0
## 621	621	33	8	115	91129	4	2.90	2	0
## 622	622	41	17	114	91125	2	1.80	2	0
## 623	623	41	17	92	93555	2	1.90	1	131
## 624	624	44	19	34	95616	1	0.30	3	78
## 625	625	33	6	54	92821	2	1.67	2	122
## 626	626	52	28	64	95605	2	1.00	3	211
## 627	627	30	6	42	94305	1	0.20	3	100
## 628	628	45	19	70	92677	3	2.10	1	0
## 629	629	49	24	51	90071	1	1.30	2	0
## 630	630	45	19	71	91711	4	2.90	1	218
## 631	631	32	7	35	96651	3	1.30	1	108
## 632	632	45	18	40	94960	3	1.00	2	0
## 633	633	57	32	165	94720	4	2.70	3	0
## 634	634	61	31	18	94583	1	1.50	3	0
## 635	635	57	31	32	90034	3	1.40	1	0
## 636	636	60	35	35	90509	3	0.20	1	169
## 637	637	40	16	120	92037	2	6.10	1	196
## 638	638	53	28	31	90245	4	0.10	3	0
## 639	639	42	16	35	92054	3	1.50	1	0
## 640	640	62	36	32	92646	2	0.20	3	0
## 641	641	43	18	85	94960	1	3.70	3	327
## 642	642	35	10	139	95060	2	7.80	1	0
## 643	643	50	24	103	94132	1	0.30	1	0
## 644	644	45	21	152	91902	2	1.40	1	0
## 645	645	52	27	33	92121	2	2.00	2	0
## 646	646	35	9	84	95120	4	2.20	2	322
## 647	647	58	33	61	90033	4	1.70	1	0
## 648	648	62	38	64	95064	4	2.20	1	123
## 649	649	50	25	34	95621	1	1.30	2	0
## 650	650	25	-1	82	92677	4	2.10	3	0
## 651	651	47	22	122	90037	1	5.10	3	163
## 652	652	28	4	58	92121	3	1.50	1	131
## 653	653	34	9	92	90005	1	2.80	1	0
## 654	654	49	23	78	92691	2	2.40	2	205
## 655	655	54	29	129	93940	4	4.20	3	0
## 656	656	50	25	13	91109	2	0.70	3	0
## 657	657	37	11	81	94539	1	2.80	3	145
## 658	658	38	8	23	95207	1	0.67	3	0
## 659	659	52	26	35	91711	3	0.90	3	0
## 660	660	63	39	79	93009	4	1.70	2	0
## 661	661	39	14	165	92126	2	3.30	1	0
## 662	662	63	38	52	94720	2	2.80	1	0
## 663	663	65	41	185	93561	3	2.00	2	0
## 664	664	46	20	49	90503	3	2.20	2	0
## 665	665	54	30	64	95126	1	1.80	3	227
## 666	666	54	24	61	92866	4	2.00	3	0
## 667	667	52	26	112	92120	1	2.40	1	0
## 668	668	63	39	72	93106	3	2.00	3	190
## 669	669	66	41	18	94010	3	0.50	1	0
## 670	670	56	29	41	94109	4	2.50	2	0
## 671	671	23	-1	61	92374	4	2.60	1	239

## 672	672	65	41	105	92612	1	3.00	2	282
## 673	673	51	27	23	96651	1	0.20	1	0
## 674	674	34	10	22	95670	1	0.50	3	85
## 675	675	49	23	59	95827	3	2.10	1	0
## 676	676	29	2	33	91711	1	2.00	2	160
## 677	677	47	23	11	94063	1	0.90	3	103
## 678	678	46	21	204	92780	2	2.80	1	0
## 679	679	52	27	61	92101	4	1.80	3	207
## 680	680	55	31	103	92093	3	1.80	2	364
## 681	681	61	36	51	94706	3	1.50	1	0
## 682	682	34	9	164	94720	1	6.00	3	0
## 683	683	58	34	12	90504	1	0.10	2	0
## 684	684	40	16	82	91311	1	3.60	2	0
## 685	685	43	17	164	90266	1	2.40	1	449
## 686	686	35	8	48	93107	2	1.67	2	0
## 687	687	24	-1	38	92612	4	0.60	2	0
## 688	688	48	22	65	92120	2	1.50	2	0
## 689	689	44	20	71	94304	4	1.90	1	207
## 690	690	54	30	18	94591	1	0.30	1	0
## 691	691	59	34	52	94115	2	1.60	3	75
## 692	692	45	18	48	90025	3	2.50	2	113
## 693	693	26	2	30	94720	1	1.00	3	111
## 694	694	40	15	40	92096	2	2.20	3	107
## 695	695	32	7	112	90740	1	3.80	1	81
## 696	696	29	4	115	92717	1	1.90	1	0
## 697	697	51	27	63	92251	2	1.00	3	82
## 698	698	42	17	85	92648	1	3.70	3	0
## 699	699	64	38	59	92028	1	2.50	3	220
## 700	700	44	20	68	95060	1	0.80	3	91
## 701	701	37	11	84	90089	2	1.80	1	0
## 702	702	44	19	62	93106	3	0.80	3	0
## 703	703	35	9	109	92709	3	4.00	1	0
## 704	704	41	17	141	94022	2	7.60	1	92
## 705	705	56	32	129	94065	1	7.40	1	0
## 706	706	62	36	30	94720	3	0.70	2	0
## 707	707	58	34	148	95819	1	4.70	1	0
## 708	708	47	20	25	95064	3	0.67	2	0
## 709	709	35	10	21	92182	3	1.30	1	115
## 710	710	29	4	72	95841	4	2.20	1	0
## 711	711	43	17	59	94085	3	0.90	3	87
## 712	712	62	37	83	91754	3	1.80	2	187
## 713	713	41	16	10	94123	2	0.30	2	0
## 714	714	34	9	84	92009	3	0.60	2	0
## 715	715	50	23	98	92068	3	2.00	2	0
## 716	716	47	23	32	92130	1	1.00	1	0
## 717	717	29	5	31	96064	4	0.40	2	161
## 718	718	59	34	94	93940	3	0.50	1	0
## 719	719	56	31	21	90024	2	0.20	3	137
## 720	720	61	35	110	92521	3	4.40	1	0
## 721	721	58	32	38	94025	1	2.20	3	0
## 722	722	49	24	39	92717	1	1.40	3	0
## 723	723	45	21	132	91103	3	1.20	2	0
## 724	724	50	24	61	94301	4	2.60	1	0
## 725	725	64	38	92	94086	1	2.00	1	0

##	726	726	39	15	119	92037	2	6.10	1	0
##	727	727	58	33	53	91030	4	2.10	1	0
##	728	728	62	37	18	92037	3	1.30	2	0
##	729	729	45	20	114	94720	2	4.40	2	0
##	730	730	58	28	90	93106	1	3.00	3	0
##	731	731	43	18	140	95616	1	7.00	1	205
##	732	732	28	3	90	90066	2	3.30	1	0
##	733	733	26	1	85	90064	1	1.90	1	0
##	734	734	49	24	80	92009	1	1.20	1	0
##	735	735	66	42	53	92182	2	1.10	1	0
##	736	736	33	7	49	95403	4	2.20	2	0
##	737	737	61	35	152	91016	3	3.30	3	0
##	738	738	64	37	138	94709	2	2.80	2	0
##	739	739	36	10	80	94596	4	2.20	2	0
##	740	740	49	23	82	91902	2	2.40	2	0
##	741	741	52	27	195	90266	1	8.10	1	0
##	742	742	61	37	22	94590	1	1.20	3	0
##	743	743	32	6	81	92626	1	2.50	1	0
##	744	744	61	37	40	94539	4	2.20	1	0
##	745	745	45	20	154	94720	2	2.80	1	0
##	746	746	30	4	49	93955	3	1.10	2	0
##	747	747	62	37	85	95051	4	3.40	2	0
##	748	748	57	32	21	94112	3	0.10	2	0
##	749	749	41	17	14	91330	1	1.00	1	0
##	750	750	58	34	60	92008	4	1.60	2	0
##	751	751	29	5	138	93106	2	4.33	1	0
##	752	752	53	28	98	90210	1	1.30	3	355
##	753	753	64	39	22	90071	4	0.60	2	0
##	754	754	49	23	49	94720	1	1.20	2	0
##	755	755	38	14	102	95020	2	1.90	1	0
##	756	756	56	30	45	91103	4	0.70	2	0
##	757	757	56	31	82	95348	4	1.30	3	0
##	758	758	52	28	81	91745	3	1.80	2	0
##	759	759	64	39	35	90266	1	1.50	2	0
##	760	760	53	28	59	91950	2	1.90	2	0
##	761	761	29	3	52	92122	3	1.10	2	0
##	762	762	48	24	84	92152	3	0.70	1	166
##	763	763	32	6	85	90504	1	2.70	2	100
##	764	764	54	28	65	94122	1	0.20	1	0
##	765	765	37	13	89	95051	2	1.70	2	314
##	766	766	47	21	109	95822	4	1.80	1	0
##	767	767	37	12	81	94538	1	2.80	1	0
##	768	768	64	39	38	92024	1	1.10	3	108
##	769	769	43	19	72	90024	2	1.70	1	0
##	770	770	33	6	78	90250	4	2.00	2	119
##	771	771	26	2	172	94551	2	6.90	2	0
##	772	772	42	18	71	91614	3	2.33	1	106
##	773	773	54	28	165	92093	1	4.10	3	0
##	774	774	41	16	120	92612	2	3.90	1	0
##	775	775	55	29	39	92154	1	0.20	1	0
##	776	776	65	39	23	92835	3	0.70	2	0
##	777	777	50	26	135	92121	2	4.60	3	91
##	778	778	55	31	12	95060	2	0.20	1	76
##	779	779	62	36	92	94801	2	0.70	2	0

##	780	780	53	28	192	94304	2	6.40	3	0
##	781	781	32	7	42	92634	4	0.80	1	0
##	782	782	56	32	158	94588	3	3.70	3	0
##	783	783	54	30	194	92056	3	6.00	3	587
##	784	784	44	20	160	94606	2	7.60	1	0
##	785	785	48	22	98	94115	2	6.30	1	0
##	786	786	46	22	164	94122	2	7.60	1	0
##	787	787	45	21	42	94305	2	2.50	1	0
##	788	788	45	15	202	91380	3	10.00	3	0
##	789	789	58	34	10	92521	4	0.70	1	0
##	790	790	29	3	31	92126	4	0.30	2	0
##	791	791	55	30	58	92028	4	0.90	1	0
##	792	792	55	29	65	94501	4	2.80	2	0
##	793	793	41	16	98	93117	1	4.00	3	0
##	794	794	24	-2	150	94720	2	2.00	1	0
##	795	795	54	29	44	91301	2	2.30	3	0
##	796	796	57	32	15	92806	2	0.20	3	0
##	797	797	30	6	82	93657	2	2.50	1	0
##	798	798	42	17	61	94998	3	0.50	3	0
##	799	799	29	2	38	93063	1	2.00	2	0
##	800	800	29	3	39	95051	4	2.10	3	0
##	801	801	31	7	173	91040	1	6.00	1	0
##	802	802	47	23	8	92612	4	0.20	1	0
##	803	803	36	12	51	92521	3	2.00	1	214
##	804	804	52	27	62	92661	4	1.80	3	82
##	805	805	54	28	34	94061	4	0.70	2	0
##	806	806	55	29	132	95758	3	5.90	2	307
##	807	807	53	27	44	94542	4	1.50	3	0
##	808	808	52	27	162	92096	1	8.10	1	0
##	809	809	64	39	64	92068	3	2.20	1	0
##	810	810	54	29	111	94304	1	0.10	3	0
##	811	811	32	6	41	92182	2	2.00	3	0
##	812	812	63	33	52	94720	4	1.67	3	0
##	813	813	36	10	65	90089	4	2.20	2	0
##	814	814	50	25	130	94720	1	1.10	2	0
##	815	815	33	8	45	93943	2	0.10	1	0
##	816	816	62	38	35	94596	1	1.90	2	118
##	817	817	49	23	65	94035	3	0.70	2	263
##	818	818	41	15	38	90291	2	0.70	1	91
##	819	819	51	27	42	95039	4	1.10	2	0
##	820	820	56	30	45	90024	4	1.50	3	0
##	821	821	51	25	145	90740	1	0.30	1	0
##	822	822	39	13	33	92093	4	1.50	3	0
##	823	823	61	35	60	96091	3	1.40	3	0
##	824	824	35	9	45	90509	1	2.00	1	0
##	825	825	39	15	72	94801	4	2.40	1	0
##	826	826	37	11	34	95616	3	0.20	2	0
##	827	827	48	21	23	93555	3	0.67	2	0
##	828	828	63	37	45	94542	2	1.00	3	88
##	829	829	35	9	28	94542	4	1.00	1	75
##	830	830	55	30	81	90254	4	3.80	2	0
##	831	831	29	5	72	92407	3	0.70	2	81
##	832	832	61	31	49	94066	4	1.67	3	0
##	833	833	36	10	31	90630	4	1.20	2	0

## 834	834	61	35	63	94939	3	2.20	3	0
## 835	835	36	12	150	95138	4	5.40	1	0
## 836	836	58	33	142	92691	2	3.90	1	193
## 837	837	42	17	74	92123	3	3.00	1	0
## 838	838	30	4	24	92096	1	0.40	2	81
## 839	839	45	20	29	92507	4	1.90	3	0
## 840	840	39	15	79	92646	4	2.40	1	0
## 841	841	27	3	94	92373	2	0.20	1	310
## 842	842	57	33	121	94542	1	4.30	1	0
## 843	843	34	10	54	92101	3	2.00	1	0
## 844	844	64	39	73	94720	3	2.40	1	0
## 845	845	47	23	71	95762	1	0.80	3	127
## 846	846	44	17	29	94706	3	1.00	2	0
## 847	847	51	27	93	92154	1	2.70	1	0
## 848	848	40	14	73	94539	1	1.50	3	252
## 849	849	57	32	19	94720	4	0.90	2	0
## 850	850	33	8	58	94305	2	0.10	1	0
## 851	851	46	20	39	95054	1	0.20	1	0
## 852	852	41	16	23	94521	2	1.40	2	0
## 853	853	33	7	29	92064	1	0.60	3	127
## 854	854	27	2	155	95138	1	0.80	1	0
## 855	855	52	28	90	95814	1	2.60	2	0
## 856	856	59	33	113	92152	2	2.00	1	77
## 857	857	62	38	42	94025	1	1.80	3	0
## 858	858	49	25	30	95616	4	0.20	1	0
## 859	859	45	19	19	94720	3	0.50	2	0
## 860	860	63	37	124	92182	3	5.00	2	170
## 861	861	57	31	30	95841	2	0.70	2	145
## 862	862	60	30	28	92354	1	1.50	3	124
## 863	863	50	23	15	94025	2	1.00	2	101
## 864	864	54	30	70	90095	1	1.60	3	265
## 865	865	28	2	10	94080	1	0.10	2	0
## 866	866	60	34	22	92037	3	0.30	3	139
## 867	867	44	20	70	94611	4	1.90	1	0
## 868	868	61	35	61	94708	1	1.60	1	0
## 869	869	40	15	161	94596	2	3.30	1	0
## 870	870	54	30	29	93014	2	0.80	1	0
## 871	871	43	19	35	92106	3	0.50	1	0
## 872	872	54	28	48	96091	4	2.80	2	0
## 873	873	32	7	44	90095	4	0.80	1	0
## 874	874	24	0	88	90740	3	0.80	1	134
## 875	875	30	4	40	92056	4	2.10	3	0
## 876	876	61	36	21	95616	4	0.40	2	123
## 877	877	40	14	58	94025	2	2.80	1	0
## 878	878	35	11	59	95123	4	0.10	2	0
## 879	879	33	3	74	95616	4	4.00	3	0
## 880	880	63	37	84	91768	4	1.90	2	0
## 881	881	57	31	58	91604	1	0.20	1	177
## 882	882	44	19	154	92116	2	8.80	1	0
## 883	883	51	25	185	94117	1	1.70	1	0
## 884	884	51	26	78	92703	1	1.20	1	305
## 885	885	38	13	55	91709	2	1.10	2	0
## 886	886	31	5	30	94304	4	0.30	2	0
## 887	887	54	29	74	93907	3	2.00	2	0

## 888	888	41	16	118	94720	2	3.30	1	0
## 889	889	57	33	182	94114	2	3.30	3	372
## 890	890	24	-2	82	91103	2	1.60	3	0
## 891	891	55	29	29	92780	4	1.50	3	79
## 892	892	32	6	120	94102	4	5.40	1	301
## 893	893	38	12	53	95616	2	2.40	2	0
## 894	894	58	32	43	93943	3	1.40	1	0
## 895	895	29	4	59	95064	4	2.20	1	232
## 896	896	43	17	84	94608	4	2.60	3	289
## 897	897	50	24	161	95133	3	3.40	1	212
## 898	898	62	37	21	92691	4	0.40	2	137
## 899	899	57	32	63	94111	4	0.70	1	0
## 900	900	30	3	172	91302	3	3.40	2	0
## 901	901	30	4	51	94709	4	0.20	1	172
## 902	902	57	33	24	95616	4	0.70	1	0
## 903	903	57	33	95	95054	2	1.60	1	0
## 904	904	43	18	59	90048	1	2.40	1	250
## 905	905	28	2	51	90503	4	1.80	2	0
## 906	906	46	22	28	94720	1	1.00	1	84
## 907	907	29	3	154	94720	2	2.00	1	130
## 908	908	64	40	15	91711	2	0.30	3	115
## 909	909	66	36	55	93023	4	1.67	3	0
## 910	910	23	-1	149	91709	1	6.33	1	305
## 911	911	60	36	79	92120	1	1.80	3	0
## 912	912	47	21	68	94538	4	2.60	3	0
## 913	913	35	10	78	94105	1	2.60	2	0
## 914	914	57	32	34	92507	2	2.00	2	0
## 915	915	65	41	195	91711	3	0.40	1	0
## 916	916	53	28	184	94550	1	8.10	1	303
## 917	917	44	20	85	92192	2	3.20	1	0
## 918	918	45	20	200	90405	2	8.80	1	0
## 919	919	41	16	64	92325	3	0.50	3	0
## 920	920	51	27	88	91116	1	2.60	2	0
## 921	921	27	1	42	94501	3	2.40	2	0
## 922	922	31	5	91	92096	3	1.60	1	126
## 923	923	32	6	38	92868	1	0.30	1	0
## 924	924	55	30	28	95123	1	1.50	2	0
## 925	925	55	30	32	91330	4	0.10	3	0
## 926	926	42	18	31	94720	1	0.30	3	0
## 927	927	33	9	22	93940	4	0.40	2	103
## 928	928	65	40	95	95014	3	3.70	2	138
## 929	929	35	10	74	90638	4	1.30	1	0
## 930	930	55	30	22	92121	1	1.50	2	91
## 931	931	28	4	43	92103	3	0.10	2	0
## 932	932	27	3	43	91302	1	1.00	3	0
## 933	933	51	27	112	94720	3	1.80	2	0
## 934	934	50	23	9	92064	2	1.00	2	0
## 935	935	58	33	81	91320	2	0.00	3	0
## 936	936	46	20	131	95929	1	5.70	1	256
## 937	937	62	32	19	92109	1	1.50	3	0
## 938	938	38	13	62	92093	3	0.70	2	0
## 939	939	62	37	19	95818	4	0.40	2	124
## 940	940	56	32	8	93943	2	0.30	1	0
## 941	941	61	36	193	94303	1	4.70	3	203

##	942	942	38	13	129	92093	4	4.40	1	140
##	943	943	55	29	30	91320	4	0.70	2	0
##	944	944	30	4	80	94701	4	1.80	2	0
##	945	945	41	15	22	90503	4	1.50	3	0
##	946	946	57	32	33	91745	1	1.50	2	0
##	947	947	36	11	64	91355	4	2.10	3	0
##	948	948	55	29	60	94305	3	2.20	3	84
##	949	949	30	4	81	92037	1	2.90	3	259
##	950	950	40	16	45	94720	3	0.60	2	204
##	951	951	32	6	112	95054	4	1.80	2	0
##	952	952	59	34	83	94105	2	3.40	3	0
##	953	953	44	20	180	93943	2	7.60	1	524
##	954	954	51	26	28	92130	4	0.20	2	0
##	955	955	37	12	169	91107	2	5.20	3	249
##	956	956	59	35	14	90840	4	0.70	1	0
##	957	957	37	11	43	90250	1	2.00	1	0
##	958	958	56	32	88	94309	2	0.30	1	0
##	959	959	55	29	78	90747	4	2.60	3	0
##	960	960	49	24	68	94143	1	0.20	2	163
##	961	961	46	22	144	93611	2	3.30	1	0
##	962	962	35	9	30	94114	4	1.00	1	163
##	963	963	47	21	120	95833	1	0.00	1	135
##	964	964	39	14	24	94305	2	0.30	2	0
##	965	965	27	1	78	92037	4	2.30	3	157
##	966	966	62	36	135	94301	2	5.20	2	0
##	967	967	57	32	44	91605	2	1.60	3	0
##	968	968	55	30	73	92675	4	3.80	2	0
##	969	969	55	31	90	92868	1	2.70	2	0
##	970	970	41	15	58	94704	3	0.50	3	0
##	971	971	57	32	75	94928	2	3.70	1	236
##	972	972	43	19	174	92028	3	1.70	3	231
##	973	973	40	16	50	92093	2	1.70	1	174
##	974	974	43	18	85	92703	1	4.00	3	287
##	975	975	63	38	54	90401	3	2.20	1	0
##	976	976	63	38	83	92122	2	3.40	1	0
##	977	977	54	30	24	94109	4	0.20	1	0
##	978	978	54	30	45	95134	4	1.10	2	205
##	979	979	52	26	68	92068	1	0.80	3	0
##	980	980	50	26	48	94720	4	0.10	3	0
##	981	981	38	13	114	92697	1	1.00	3	0
##	982	982	36	12	142	90064	3	2.30	2	0
##	983	983	58	33	52	94402	3	0.50	2	0
##	984	984	46	22	142	92220	2	3.30	1	0
##	985	985	50	25	15	92173	1	0.40	3	0
##	986	986	46	22	118	92120	1	4.70	1	159
##	987	987	53	27	101	90245	4	4.90	1	0
##	988	988	62	36	84	94609	2	2.80	1	0
##	989	989	63	39	32	94998	1	1.90	2	100
##	990	990	42	16	64	94607	3	0.50	3	247
##	991	991	34	10	81	94002	4	3.40	1	0
##	992	992	40	14	28	94025	4	1.50	3	0
##	993	993	34	9	93	94608	1	0.00	1	0
##	994	994	41	15	185	91775	1	3.60	2	0
##	995	995	32	8	42	90650	1	1.80	2	0

##	996	996	28	3	45	94305	2	1.60	3	0
##	997	997	33	6	49	92037	2	1.67	2	214
##	998	998	46	20	69	92780	3	2.10	1	0
##	999	999	52	27	94	93106	1	2.80	2	333
##	1000	1000	60	35	18	92120	1	1.50	2	0
##	1001	1001	59	35	8	92691	4	0.70	1	91
##	1002	1002	57	32	55	90717	4	2.10	1	108
##	1003	1003	46	20	85	95617	2	0.40	3	0
##	1004	1004	25	1	62	94720	4	0.00	1	229
##	1005	1005	53	23	65	95054	4	2.00	3	0
##	1006	1006	38	12	138	95112	2	0.00	1	0
##	1007	1007	63	38	103	91103	1	2.50	1	0
##	1008	1008	44	19	99	95064	3	3.50	3	357
##	1009	1009	50	24	152	92220	1	7.30	1	0
##	1010	1010	28	3	25	91330	2	0.90	3	140
##	1011	1011	27	3	98	95616	2	2.50	1	361
##	1012	1012	52	27	39	94304	2	0.70	2	166
##	1013	1013	50	25	40	95820	1	1.30	2	0
##	1014	1014	39	13	58	94551	3	2.10	1	169
##	1015	1015	50	26	192	90245	2	1.80	3	301
##	1016	1016	60	34	62	94303	1	0.80	2	0
##	1017	1017	30	5	69	94720	1	0.80	2	0
##	1018	1018	31	5	40	94305	4	1.30	3	170
##	1019	1019	39	15	61	90018	2	0.60	3	127
##	1020	1020	29	3	30	91745	4	0.30	2	157
##	1021	1021	54	29	29	90071	1	1.50	2	97
##	1022	1022	35	8	41	92612	2	1.00	2	0
##	1023	1023	27	3	118	95605	1	3.30	2	0
##	1024	1024	45	20	109	94117	1	7.00	1	366
##	1025	1025	58	33	122	93711	4	0.20	2	0
##	1026	1026	62	37	50	94545	3	1.50	1	169
##	1027	1027	28	4	43	95616	3	0.10	2	0
##	1028	1028	32	7	108	94550	1	4.60	1	0
##	1029	1029	29	4	110	92096	4	2.50	3	0
##	1030	1030	41	17	20	94720	1	1.40	3	0
##	1031	1031	61	35	112	90024	4	1.70	3	0
##	1032	1032	56	32	25	95403	1	0.10	2	136
##	1033	1033	37	12	42	94720	3	0.70	2	0
##	1034	1034	60	34	29	95973	2	0.30	1	0
##	1035	1035	49	23	84	90095	3	2.10	1	134
##	1036	1036	43	17	81	94720	4	2.60	3	0
##	1037	1037	53	28	55	94720	4	0.90	1	119
##	1038	1038	35	11	40	93106	1	2.40	2	0
##	1039	1039	56	30	145	95831	4	5.70	2	0
##	1040	1040	41	16	175	94304	2	1.10	3	0
##	1041	1041	36	6	78	91107	4	1.80	3	163
##	1042	1042	56	32	51	92780	4	1.50	1	0
##	1043	1043	64	34	50	95616	4	1.67	3	0
##	1044	1044	51	27	21	95630	3	0.40	1	0
##	1045	1045	49	24	79	95827	1	0.20	2	83
##	1046	1046	43	18	84	92096	1	4.00	3	0
##	1047	1047	51	26	34	94105	4	0.40	2	0
##	1048	1048	55	31	73	94143	4	1.60	2	0
##	1049	1049	62	37	90	95747	3	0.50	1	0

##	1050	1050	35	10	23	94501	4	0.20	3	0
##	1051	1051	53	27	145	90095	2	6.10	3	294
##	1052	1052	33	7	54	92886	4	0.20	1	141
##	1053	1053	43	17	49	95812	3	2.20	2	103
##	1054	1054	58	32	51	95819	1	2.80	2	0
##	1055	1055	63	38	8	95136	4	0.60	2	0
##	1056	1056	31	6	62	95630	1	1.00	1	0
##	1057	1057	36	6	25	95020	1	0.67	3	0
##	1058	1058	30	0	63	95503	2	1.75	3	0
##	1059	1059	59	34	24	94105	2	0.20	3	86
##	1060	1060	28	2	11	91203	1	0.10	2	0
##	1061	1061	59	34	23	93111	1	0.10	1	0
##	1062	1062	47	22	33	91105	1	1.40	3	0
##	1063	1063	47	21	83	92220	1	3.80	1	97
##	1064	1064	56	30	39	90024	3	1.40	1	131
##	1065	1065	41	17	138	95008	3	6.90	2	0
##	1066	1066	25	1	113	90401	3	2.50	1	0
##	1067	1067	30	5	125	90016	4	0.50	3	0
##	1068	1068	50	24	195	95035	1	1.70	1	0
##	1069	1069	34	9	105	90035	3	1.20	3	0
##	1070	1070	44	18	75	91203	2	3.50	1	0
##	1071	1071	36	9	40	90840	2	1.00	2	0
##	1072	1072	39	14	61	94005	3	0.50	3	137
##	1073	1073	54	24	75	90089	2	4.50	3	0
##	1074	1074	33	8	122	94583	1	0.00	1	0
##	1075	1075	39	14	75	95762	3	3.00	1	0
##	1076	1076	41	15	59	90024	4	0.20	3	0
##	1077	1077	40	13	24	94608	3	1.00	2	0
##	1078	1078	29	3	175	90095	3	3.30	3	329
##	1079	1079	51	27	39	92709	2	0.80	1	182
##	1080	1080	54	30	145	94591	2	6.80	1	0
##	1081	1081	47	22	24	90717	4	0.40	2	142
##	1082	1082	53	28	20	94080	3	0.10	2	0
##	1083	1083	30	5	85	94115	1	2.60	2	0
##	1084	1084	28	3	65	95014	3	2.60	3	0
##	1085	1085	60	35	191	93407	4	5.60	3	0
##	1086	1086	51	26	11	92612	2	0.00	1	0
##	1087	1087	63	37	40	94024	2	1.00	3	167
##	1088	1088	38	13	54	92028	3	0.70	2	196
##	1089	1089	59	35	95	95521	1	3.80	1	0
##	1090	1090	53	29	94	92103	4	1.00	2	0
##	1091	1091	31	5	79	94720	4	2.20	2	0
##	1092	1092	41	17	48	94720	3	0.30	3	0
##	1093	1093	25	1	70	92120	4	2.60	1	0
##	1094	1094	27	3	40	94550	3	0.10	2	111
##	1095	1095	50	24	44	94086	4	1.80	1	0
##	1096	1096	50	25	43	92129	1	1.40	3	137
##	1097	1097	43	18	29	90245	1	0.30	3	0
##	1098	1098	50	24	188	92007	3	1.30	1	184
##	1099	1099	46	20	114	90720	1	0.00	1	0
##	1100	1100	30	6	52	92717	3	0.70	2	0
##	1101	1101	42	16	13	91711	1	0.20	1	0
##	1102	1102	42	17	95	90095	3	0.50	3	0
##	1103	1103	29	3	84	95023	1	2.90	3	0

##	1104	1104	38	14	49	90037	1	1.80	1	0
##	1105	1105	51	25	181	93106	1	1.70	1	0
##	1106	1106	35	10	182	95051	1	0.30	2	229
##	1107	1107	37	13	70	92101	2	2.70	1	0
##	1108	1108	47	21	79	94110	3	1.10	1	185
##	1109	1109	55	29	61	95051	4	2.80	2	0
##	1110	1110	65	41	121	92126	2	2.10	1	0
##	1111	1111	58	33	34	92028	3	0.20	1	83
##	1112	1112	54	28	183	90071	1	1.00	1	442
##	1113	1113	52	28	51	94949	1	1.60	3	0
##	1114	1114	28	2	70	90630	3	0.30	3	0
##	1115	1115	32	8	39	95827	1	1.70	1	0
##	1116	1116	51	24	84	94117	3	2.00	2	0
##	1117	1117	43	18	122	92056	1	7.00	1	0
##	1118	1118	42	18	145	94709	1	1.70	1	132
##	1119	1119	42	17	98	95670	2	0.40	1	0
##	1120	1120	41	16	79	96064	1	1.00	3	233
##	1121	1121	34	8	38	94304	2	2.00	3	0
##	1122	1122	30	6	49	91330	3	0.70	2	196
##	1123	1123	32	7	38	90041	1	1.00	1	0
##	1124	1124	46	20	91	92521	4	2.60	3	0
##	1125	1125	38	12	29	94022	4	0.20	1	0
##	1126	1126	37	13	172	95003	2	6.50	1	0
##	1127	1127	32	8	104	95192	2	3.70	1	0
##	1128	1128	35	9	58	91101	1	2.50	1	0
##	1129	1129	30	5	171	94025	2	1.90	2	0
##	1130	1130	30	4	73	94305	3	3.30	1	0
##	1131	1131	58	32	191	94402	1	2.90	1	0
##	1132	1132	57	27	90	91709	2	4.50	3	0
##	1133	1133	34	9	55	94920	3	2.30	1	0
##	1134	1134	31	4	28	94126	1	2.00	2	0
##	1135	1135	39	14	42	95616	1	2.50	3	0
##	1136	1136	57	33	9	93106	1	0.10	2	91
##	1137	1137	47	21	65	94086	1	1.50	2	0
##	1138	1138	51	26	134	90230	4	4.50	3	0
##	1139	1139	30	6	83	93101	4	3.40	1	0
##	1140	1140	55	28	38	95616	3	1.00	2	0
##	1141	1141	32	6	13	94611	4	0.30	1	0
##	1142	1142	32	7	143	91365	3	2.90	3	0
##	1143	1143	44	20	75	91335	4	1.90	1	0
##	1144	1144	33	7	120	94022	1	3.20	3	0
##	1145	1145	49	24	91	95822	1	2.80	2	0
##	1146	1146	32	6	99	92101	2	1.50	3	0
##	1147	1147	31	7	71	90034	1	0.10	1	78
##	1148	1148	37	13	111	91367	1	0.80	2	0
##	1149	1149	41	15	108	90034	1	5.20	1	0
##	1150	1150	56	32	158	91763	1	7.40	1	0
##	1151	1151	55	31	81	95521	3	2.67	1	0
##	1152	1152	49	23	12	94720	2	0.10	3	0
##	1153	1153	63	37	21	95831	2	0.40	1	0
##	1154	1154	55	30	55	92821	4	0.90	1	215
##	1155	1155	59	35	42	93555	1	1.80	3	0
##	1156	1156	41	16	81	92653	2	0.40	1	0
##	1157	1157	49	25	13	94305	4	0.20	1	87

##	1158	1158	48	23	132	94998	1	0.60	1	157
##	1159	1159	41	16	99	92660	1	1.00	3	0
##	1160	1160	50	26	23	92028	4	0.20	1	0
##	1161	1161	28	1	40	95134	1	2.00	2	0
##	1162	1162	36	11	181	94309	3	1.40	1	0
##	1163	1163	38	14	112	94501	2	2.20	1	394
##	1164	1164	34	9	138	94720	2	7.80	1	227
##	1165	1165	41	17	94	90071	3	3.80	2	327
##	1166	1166	43	19	113	91203	1	1.70	1	0
##	1167	1167	30	5	112	91711	4	5.00	2	0
##	1168	1168	37	12	190	92354	2	3.00	1	475
##	1169	1169	62	37	38	91706	1	1.10	3	0
##	1170	1170	40	16	32	92110	1	1.40	3	158
##	1171	1171	35	10	104	91320	3	0.60	2	0
##	1172	1172	64	40	43	95014	1	1.90	2	0
##	1173	1173	49	24	45	92104	3	1.70	2	0
##	1174	1174	24	-1	35	94305	2	1.70	2	0
##	1175	1175	36	10	42	93106	4	1.20	2	0
##	1176	1176	29	4	58	91006	1	0.80	2	0
##	1177	1177	29	3	103	90049	4	3.40	1	0
##	1178	1178	28	3	71	90405	1	3.30	2	149
##	1179	1179	33	7	14	94025	1	0.40	2	98
##	1180	1180	36	11	98	90291	3	1.20	3	0
##	1181	1181	42	17	90	90504	1	0.10	2	0
##	1182	1182	25	0	65	90095	4	0.20	1	0
##	1183	1183	28	2	19	94720	4	0.40	1	0
##	1184	1184	50	25	35	94105	3	1.70	2	0
##	1185	1185	34	9	71	90041	4	1.30	1	0
##	1186	1186	43	19	31	94025	3	0.50	1	0
##	1187	1187	62	38	43	94928	4	1.20	2	0
##	1188	1188	61	36	24	94309	1	1.50	2	87
##	1189	1189	45	19	58	94305	2	0.40	3	0
##	1190	1190	42	17	115	92717	2	0.40	1	0
##	1191	1191	39	15	168	93117	2	8.00	1	152
##	1192	1192	29	5	128	94111	1	1.50	1	0
##	1193	1193	45	20	138	92870	1	7.00	1	0
##	1194	1194	58	32	81	92121	3	1.70	2	0
##	1195	1195	29	3	41	94305	4	1.30	3	0
##	1196	1196	32	7	123	92407	2	2.90	2	0
##	1197	1197	37	13	71	94609	2	2.70	1	94
##	1198	1198	48	23	8	92866	1	0.40	3	0
##	1199	1199	40	14	42	94801	2	0.70	1	101
##	1200	1200	29	4	62	92064	2	2.50	1	184
##	1201	1201	36	12	22	92507	4	1.00	1	91
##	1202	1202	35	8	38	95060	4	1.00	2	0
##	1203	1203	35	11	24	95521	4	0.40	2	0
##	1204	1204	62	37	50	91311	3	2.40	1	0
##	1205	1205	26	1	190	91604	4	1.30	2	197
##	1206	1206	32	7	94	91361	2	3.10	1	0
##	1207	1207	63	37	165	95035	4	5.10	3	0
##	1208	1208	38	12	43	94301	4	1.20	2	0
##	1209	1209	50	26	48	91711	1	1.60	2	0
##	1210	1210	46	21	52	91304	3	2.70	2	228
##	1211	1211	50	24	84	93943	4	4.90	1	0

##	1212	1212	61	36	131	92407	1	0.90	1	0
##	1213	1213	34	8	44	91101	4	0.20	1	0
##	1214	1214	27	2	78	93943	4	0.20	1	87
##	1215	1215	61	36	15	92521	4	0.40	2	0
##	1216	1216	45	20	38	94550	4	1.90	3	144
##	1217	1217	50	25	84	91107	1	1.30	3	0
##	1218	1218	44	20	122	94305	1	0.30	1	0
##	1219	1219	62	36	98	92122	2	2.80	1	0
##	1220	1220	45	18	80	92407	3	2.67	2	0
##	1221	1221	41	17	165	94143	2	8.00	1	0
##	1222	1222	30	5	121	94132	2	3.30	1	0
##	1223	1223	61	37	20	90011	3	0.40	2	94
##	1224	1224	45	19	11	96150	1	0.20	1	91
##	1225	1225	59	35	45	94920	1	1.80	3	0
##	1226	1226	30	6	118	94534	2	2.80	2	0
##	1227	1227	60	36	14	90089	2	0.30	1	109
##	1228	1228	39	13	30	92122	3	0.20	2	0
##	1229	1229	56	30	45	92870	1	0.20	1	98
##	1230	1230	56	32	80	94596	3	2.67	1	0
##	1231	1231	27	1	25	94920	4	0.30	2	0
##	1232	1232	66	41	144	94306	1	2.50	1	0
##	1233	1233	43	19	84	92646	4	0.20	3	297
##	1234	1234	53	29	22	93943	2	0.40	1	0
##	1235	1235	44	18	33	90405	3	1.50	1	0
##	1236	1236	54	28	60	94110	4	2.60	3	0
##	1237	1237	31	6	81	95762	4	2.20	2	116
##	1238	1238	38	13	169	92093	1	6.80	3	0
##	1239	1239	28	2	63	91116	2	1.60	3	0
##	1240	1240	51	26	12	90245	2	0.70	3	109
##	1241	1241	52	27	15	91320	4	0.80	1	101
##	1242	1242	64	38	39	92120	1	0.50	3	0
##	1243	1243	29	4	44	91380	4	2.00	2	0
##	1244	1244	34	10	110	92697	1	4.00	1	0
##	1245	1245	33	8	130	94720	3	6.30	2	99
##	1246	1246	46	21	41	94025	1	1.40	3	128
##	1247	1247	48	22	59	91775	1	1.40	3	241
##	1248	1248	52	28	39	94606	2	0.80	1	0
##	1249	1249	44	19	35	94305	4	0.00	2	0
##	1250	1250	51	27	80	90032	1	2.60	2	0
##	1251	1251	47	20	81	94301	1	2.67	2	0
##	1252	1252	39	13	31	95120	2	0.80	3	0
##	1253	1253	42	17	93	92182	4	1.90	3	0
##	1254	1254	57	33	45	92346	4	1.50	1	204
##	1255	1255	36	12	40	91101	2	0.60	3	0
##	1256	1256	27	1	80	95354	2	1.60	3	185
##	1257	1257	31	7	20	92115	1	0.40	3	0
##	1258	1258	63	37	41	93014	1	0.50	3	0
##	1259	1259	34	8	31	91203	1	0.30	1	104
##	1260	1260	52	27	35	95616	4	0.20	2	0
##	1261	1261	57	31	40	91107	3	1.40	3	137
##	1262	1262	63	39	84	94901	1	1.80	3	0
##	1263	1263	26	1	53	94720	2	1.60	3	0
##	1264	1264	35	5	85	92870	4	4.00	3	0
##	1265	1265	58	33	138	94546	2	3.90	1	0

##	1266	1266	32	2	71	95014	2	1.75	3	108
##	1267	1267	64	39	113	92121	1	0.80	3	0
##	1268	1268	50	23	23	94720	2	1.00	2	0
##	1269	1269	34	9	62	92677	3	2.30	1	0
##	1270	1270	36	11	14	92673	4	0.20	3	100
##	1271	1271	43	18	60	91311	2	2.20	3	0
##	1272	1272	28	4	94	92115	3	0.80	1	236
##	1273	1273	64	39	83	95616	3	1.80	2	0
##	1274	1274	60	35	130	95741	3	6.30	3	437
##	1275	1275	62	37	61	93117	4	1.70	1	0
##	1276	1276	27	2	92	95616	2	3.10	1	178
##	1277	1277	42	16	20	95351	2	0.80	3	117
##	1278	1278	45	20	194	92110	2	8.80	1	428
##	1279	1279	36	10	74	94305	1	2.50	1	0
##	1280	1280	48	22	84	90024	2	0.40	3	145
##	1281	1281	65	40	98	95064	3	1.80	2	333
##	1282	1282	39	15	52	92093	3	2.33	1	0
##	1283	1283	51	26	55	93955	1	1.30	2	236
##	1284	1284	30	6	64	94305	4	3.40	1	117
##	1285	1285	65	40	128	90740	1	2.50	1	162
##	1286	1286	38	13	113	94720	4	1.70	2	0
##	1287	1287	29	3	50	94010	3	1.10	2	0
##	1288	1288	42	18	54	94010	4	2.20	2	0
##	1289	1289	63	38	129	91326	1	0.90	1	366
##	1290	1290	46	21	82	94523	4	0.40	1	0
##	1291	1291	62	38	100	90277	4	1.70	2	0
##	1292	1292	58	34	44	94111	4	2.20	1	0
##	1293	1293	56	30	164	94610	4	0.50	2	234
##	1294	1294	56	31	81	92373	2	3.70	1	121
##	1295	1295	34	10	71	95003	1	0.10	1	257
##	1296	1296	42	17	28	92866	1	0.50	3	90
##	1297	1297	30	6	80	92399	3	1.50	1	219
##	1298	1298	61	35	90	95814	4	1.90	2	0
##	1299	1299	38	14	74	90274	1	3.60	2	0
##	1300	1300	50	25	14	95762	2	0.70	3	0
##	1301	1301	61	36	23	91754	2	0.50	2	103
##	1302	1302	41	17	153	92121	1	1.70	1	337
##	1303	1303	42	16	38	94087	3	0.90	3	0
##	1304	1304	29	5	112	94720	2	2.00	2	382
##	1305	1305	51	26	145	90025	1	8.10	1	397
##	1306	1306	32	6	28	94025	2	0.30	2	88
##	1307	1307	34	9	31	94115	4	1.10	3	0
##	1308	1308	26	2	195	94546	1	6.33	1	0
##	1309	1309	54	24	50	92037	3	2.00	3	0
##	1310	1310	38	14	71	95136	4	2.00	3	0
##	1311	1311	62	36	21	95616	3	0.30	3	0
##	1312	1312	37	11	35	90044	2	0.80	3	125
##	1313	1313	46	21	42	92691	1	2.40	1	0
##	1314	1314	52	27	78	92008	4	3.60	3	141
##	1315	1315	32	6	73	94305	4	2.20	2	0
##	1316	1316	49	25	53	95134	2	1.00	3	181
##	1317	1317	28	3	51	94086	2	1.60	3	123
##	1318	1318	55	30	40	95521	2	2.30	3	0
##	1319	1319	52	26	178	94234	1	1.00	1	0

##	1320	1320	32	6	35	94005	2	0.30	1	0
##	1321	1321	31	7	192	90250	1	0.00	2	0
##	1322	1322	27	3	123	95138	1	5.40	1	0
##	1323	1323	32	5	48	94022	2	1.67	2	0
##	1324	1324	52	26	45	91604	3	0.60	2	0
##	1325	1325	52	28	15	95064	1	0.20	1	0
##	1326	1326	50	24	79	94304	1	0.30	1	120
##	1327	1327	32	5	63	90024	4	2.00	2	0
##	1328	1328	61	35	30	94720	2	0.20	3	0
##	1329	1329	60	36	145	95616	4	6.90	1	380
##	1330	1330	28	4	32	90095	3	1.00	2	0
##	1331	1331	34	9	64	92346	2	0.10	1	224
##	1332	1332	31	7	84	92692	1	0.10	1	0
##	1333	1333	31	5	21	94309	1	0.40	2	0
##	1334	1334	62	38	99	95014	4	1.70	2	0
##	1335	1335	47	22	35	94304	2	1.30	1	0
##	1336	1336	50	24	180	94539	1	1.70	1	0
##	1337	1337	36	12	42	93555	1	1.33	1	0
##	1338	1338	26	0	179	92028	4	2.10	2	0
##	1339	1339	51	27	42	90245	4	0.10	3	0
##	1340	1340	52	25	180	94545	2	9.00	2	297
##	1341	1341	35	11	82	94131	4	3.40	1	0
##	1342	1342	42	16	55	91355	2	0.70	1	149
##	1343	1343	36	12	79	90041	2	2.20	1	0
##	1344	1344	41	17	48	92831	2	0.60	3	215
##	1345	1345	49	25	93	93117	1	2.70	1	0
##	1346	1346	57	32	23	92126	2	0.20	3	0
##	1347	1347	44	20	50	95670	3	2.33	1	200
##	1348	1348	60	34	85	91367	2	2.00	1	0
##	1349	1349	38	14	35	95051	1	1.50	2	97
##	1350	1350	26	2	171	93943	3	6.00	2	0
##	1351	1351	29	2	29	90266	4	1.50	2	0
##	1352	1352	59	35	84	94588	1	1.80	3	0
##	1353	1353	51	27	20	90401	4	0.50	2	0
##	1354	1354	50	25	14	94124	1	0.40	3	0
##	1355	1355	35	10	179	91942	1	8.60	1	357
##	1356	1356	61	37	48	91910	1	0.80	1	158
##	1357	1357	42	16	74	90066	1	2.80	1	0
##	1358	1358	55	29	53	95134	1	1.40	1	0
##	1359	1359	50	25	83	92007	1	2.80	2	0
##	1360	1360	64	40	171	90034	2	2.10	1	433
##	1361	1361	54	28	85	92028	4	4.90	1	0
##	1362	1362	50	26	38	95039	4	0.90	2	0
##	1363	1363	31	5	85	92130	3	1.60	1	157
##	1364	1364	32	8	79	92115	1	0.10	1	0
##	1365	1365	44	19	69	92129	4	0.40	1	0
##	1366	1366	60	35	43	94720	3	0.90	3	0
##	1367	1367	60	34	33	91107	2	0.30	1	101
##	1368	1368	62	38	42	95747	3	0.10	3	149
##	1369	1369	46	21	40	94025	4	1.90	3	122
##	1370	1370	57	33	43	91902	1	1.80	3	0
##	1371	1371	30	5	20	94545	4	0.50	3	117
##	1372	1372	58	32	65	95621	3	2.50	1	222
##	1373	1373	39	13	139	95616	3	3.40	1	483

##	1374	1374	60	35	135	92612	3	0.30	3	0
##	1375	1375	59	34	84	94043	3	1.60	3	0
##	1376	1376	50	26	179	92612	1	2.90	3	0
##	1377	1377	63	39	45	92870	4	1.30	2	86
##	1378	1378	27	3	109	93023	2	2.50	1	0
##	1379	1379	54	29	34	93305	4	0.10	3	0
##	1380	1380	62	37	162	95051	1	1.30	1	0
##	1381	1381	60	34	105	92103	2	1.40	1	0
##	1382	1382	38	12	22	91380	3	0.20	2	0
##	1383	1383	34	8	82	91775	2	1.80	1	178
##	1384	1384	65	41	105	95616	4	1.70	2	230
##	1385	1385	55	31	62	91711	1	1.80	3	0
##	1386	1386	57	31	82	95032	2	2.00	1	83
##	1387	1387	27	3	72	95616	4	0.00	1	0
##	1388	1388	35	10	38	95762	4	1.70	1	0
##	1389	1389	52	28	25	90212	4	1.00	1	0
##	1390	1390	45	15	20	94107	1	0.75	3	0
##	1391	1391	29	3	80	94305	4	1.80	2	0
##	1392	1392	44	18	84	91330	3	1.10	1	0
##	1393	1393	47	23	33	90095	1	1.00	1	0
##	1394	1394	62	37	55	95039	3	0.90	3	0
##	1395	1395	52	27	33	90095	2	0.70	2	0
##	1396	1396	47	23	190	92831	4	0.30	3	305
##	1397	1397	42	18	43	91107	1	0.30	3	158
##	1398	1398	65	41	45	95521	3	0.10	3	0
##	1399	1399	42	18	141	93407	1	3.50	1	0
##	1400	1400	40	16	69	92009	4	2.40	1	0
##	1401	1401	32	8	78	90401	4	0.10	2	0
##	1402	1402	40	15	84	94521	1	3.70	3	0
##	1403	1403	55	29	172	95064	1	5.20	2	0
##	1404	1404	32	6	51	93109	4	0.20	1	154
##	1405	1405	58	28	75	92121	1	1.40	3	0
##	1406	1406	46	22	183	91605	1	3.10	2	0
##	1407	1407	53	23	20	92123	4	0.40	3	0
##	1408	1408	63	39	101	94306	2	3.90	3	294
##	1409	1409	40	14	129	90089	1	5.90	3	0
##	1410	1410	41	17	63	90745	2	3.20	1	0
##	1411	1411	60	35	44	92126	4	2.10	1	0
##	1412	1412	65	39	184	91302	1	5.40	3	176
##	1413	1413	59	33	100	95064	2	2.00	1	127
##	1414	1414	48	24	12	90058	3	0.40	1	0
##	1415	1415	59	33	68	94105	2	2.30	3	128
##	1416	1416	33	8	48	94019	1	1.00	1	212
##	1417	1417	40	15	82	93101	2	0.40	1	0
##	1418	1418	42	18	52	94061	2	2.50	1	0
##	1419	1419	65	41	154	92008	2	4.60	2	0
##	1420	1420	30	4	39	91105	1	1.50	1	0
##	1421	1421	30	4	40	91605	1	0.30	1	0
##	1422	1422	42	17	54	94720	4	1.90	3	164
##	1423	1423	32	8	32	94143	2	1.00	2	103
##	1424	1424	55	30	64	90250	2	2.30	3	0
##	1425	1425	29	3	92	94539	2	1.30	1	287
##	1426	1426	64	38	40	91330	1	2.50	3	94
##	1427	1427	37	11	60	96651	3	0.50	3	0

##	1428	1428	31	5	85	95828	2	1.30	1	119
##	1429	1429	25	-1	21	94583	4	0.40	1	90
##	1430	1430	31	5	35	95064	1	0.60	3	171
##	1431	1431	32	7	52	92660	2	0.10	1	0
##	1432	1432	58	34	128	90058	1	7.40	1	0
##	1433	1433	26	2	195	90245	1	6.33	1	0
##	1434	1434	51	25	68	92647	2	1.50	2	117
##	1435	1435	65	41	55	93106	2	1.10	1	0
##	1436	1436	43	17	55	90266	1	0.20	1	0
##	1437	1437	46	21	80	95054	4	0.40	1	0
##	1438	1438	28	3	123	92007	1	0.80	1	146
##	1439	1439	63	37	90	94105	4	1.90	2	106
##	1440	1440	59	29	61	94025	1	1.40	3	0
##	1441	1441	42	15	41	94610	3	2.50	2	0
##	1442	1442	58	33	43	94720	2	1.60	3	0
##	1443	1443	39	13	71	95822	3	0.10	1	162
##	1444	1444	36	12	25	95051	4	1.00	1	0
##	1445	1445	60	33	154	90740	1	3.00	2	0
##	1446	1446	47	21	141	90095	1	2.40	1	0
##	1447	1447	29	4	22	92661	2	0.90	3	110
##	1448	1448	52	28	145	94131	2	6.80	1	0
##	1449	1449	41	16	49	92122	3	0.50	3	0
##	1450	1450	63	37	109	90740	1	2.00	1	0
##	1451	1451	59	34	80	90086	3	0.50	1	0
##	1452	1452	44	20	82	94555	4	1.40	2	201
##	1453	1453	54	28	52	94102	4	2.50	1	0
##	1454	1454	29	5	85	90232	3	2.50	1	0
##	1455	1455	51	25	148	90024	1	1.00	1	0
##	1456	1456	63	39	160	91330	2	2.10	1	0
##	1457	1457	36	11	39	90095	4	1.70	1	0
##	1458	1458	42	16	25	94304	2	0.80	3	0
##	1459	1459	51	25	33	93033	1	1.40	3	0
##	1460	1460	47	20	38	92115	3	2.50	2	0
##	1461	1461	40	16	85	92677	4	0.20	3	0
##	1462	1462	54	28	48	93022	1	0.20	1	0
##	1463	1463	47	21	15	95207	4	0.60	3	77
##	1464	1464	35	10	94	91343	1	0.00	1	174
##	1465	1465	28	4	120	92333	2	0.60	1	0
##	1466	1466	45	19	60	91911	1	0.70	3	159
##	1467	1467	33	9	145	94303	2	4.33	1	277
##	1468	1468	62	36	29	91107	2	0.70	3	0
##	1469	1469	45	18	78	92129	3	2.67	2	0
##	1470	1470	59	35	59	90005	4	1.20	2	0
##	1471	1471	58	28	80	91116	2	4.50	3	0
##	1472	1472	52	26	180	94305	1	1.00	1	0
##	1473	1473	34	8	8	94710	3	0.10	2	83
##	1474	1474	65	35	23	91711	1	1.50	3	0
##	1475	1475	48	23	79	92124	2	3.80	3	0
##	1476	1476	44	19	78	92064	2	3.80	3	268
##	1477	1477	61	37	64	92028	1	0.00	2	0
##	1478	1478	40	14	64	91320	4	0.20	3	0
##	1479	1479	65	39	160	94803	4	3.80	1	237
##	1480	1480	28	4	43	91304	1	1.00	3	102
##	1481	1481	67	42	32	93943	1	1.10	3	0

##	1482	1482	35	9	179	91125	2	0.00	1	76
##	1483	1483	60	35	8	94143	1	0.10	1	0
##	1484	1484	58	32	63	92717	1	1.60	1	0
##	1485	1485	55	30	40	94126	2	2.30	3	0
##	1486	1486	34	9	99	90245	4	2.20	2	155
##	1487	1487	35	9	141	93022	2	4.50	2	0
##	1488	1488	28	4	159	93907	1	1.50	1	0
##	1489	1489	38	12	39	95825	2	0.30	1	174
##	1490	1490	62	38	99	91604	4	1.70	2	0
##	1491	1491	30	4	18	95020	4	0.30	2	0
##	1492	1492	38	12	38	94553	2	0.30	1	0
##	1493	1493	33	8	133	90024	1	0.00	1	0
##	1494	1494	58	34	84	91380	2	2.80	1	0
##	1495	1495	59	35	60	90089	1	0.00	2	0
##	1496	1496	52	28	178	92647	3	5.40	3	147
##	1497	1497	36	12	18	91330	1	0.50	3	0
##	1498	1498	45	21	73	95020	1	0.80	3	0
##	1499	1499	49	23	125	94022	1	7.30	1	0
##	1500	1500	52	26	91	92173	1	4.30	2	0
##	1501	1501	54	28	74	95014	2	1.10	1	0
##	1502	1502	30	4	35	92130	2	0.30	2	0
##	1503	1503	65	39	113	90036	1	2.00	1	0
##	1504	1504	34	8	52	94720	4	2.20	2	0
##	1505	1505	30	6	191	92028	2	4.40	2	0
##	1506	1506	51	25	18	92109	1	0.30	3	93
##	1507	1507	52	27	25	95138	2	0.00	1	0
##	1508	1508	43	18	50	91006	4	1.90	3	0
##	1509	1509	35	10	75	93940	4	0.70	3	0
##	1510	1510	56	26	92	92647	2	4.50	3	0
##	1511	1511	57	32	33	95747	2	2.00	2	0
##	1512	1512	58	32	65	90266	3	2.20	3	0
##	1513	1513	53	28	44	91604	3	1.70	1	0
##	1514	1514	45	21	183	95211	2	1.40	1	354
##	1515	1515	44	20	175	96150	2	1.40	1	0
##	1516	1516	54	28	28	94305	4	1.50	3	0
##	1517	1517	41	17	49	92130	4	2.20	2	0
##	1518	1518	52	26	45	92697	4	1.80	1	0
##	1519	1519	43	17	64	95053	4	3.00	3	221
##	1520	1520	63	38	22	92115	3	0.10	3	90
##	1521	1521	54	30	120	95039	1	7.40	1	119
##	1522	1522	33	8	175	92354	2	6.70	1	102
##	1523	1523	25	-1	101	94720	4	2.30	3	256
##	1524	1524	41	16	104	92037	1	1.00	3	0
##	1525	1525	40	16	155	94002	4	0.10	3	0
##	1526	1526	43	18	58	95747	1	2.40	1	0
##	1527	1527	36	10	80	94608	4	2.20	2	0
##	1528	1528	57	33	45	94117	1	1.80	3	195
##	1529	1529	34	9	134	94550	1	4.60	1	164
##	1530	1530	38	14	58	91709	4	2.00	3	153
##	1531	1531	47	21	20	94066	1	0.20	1	0
##	1532	1532	39	13	25	90304	4	1.50	3	0
##	1533	1533	45	20	55	94588	1	0.30	1	0
##	1534	1534	62	37	155	93943	1	1.30	1	0
##	1535	1535	59	34	30	92084	1	1.30	1	0

##	1536	1536	61	37	39	92096	4	0.40	1	0
##	1537	1537	36	12	73	95617	4	2.00	3	188
##	1538	1538	58	34	41	94608	4	1.30	1	0
##	1539	1539	55	30	34	95820	4	0.10	3	157
##	1540	1540	29	5	21	90601	3	0.90	3	119
##	1541	1541	34	8	11	91320	4	0.30	1	0
##	1542	1542	61	35	154	92704	2	6.90	1	0
##	1543	1543	50	20	19	92612	4	0.40	3	0
##	1544	1544	52	26	101	93407	2	2.40	2	0
##	1545	1545	39	15	24	92123	1	1.00	1	116
##	1546	1546	55	29	131	92675	2	2.70	1	0
##	1547	1547	33	9	105	95136	1	4.00	1	0
##	1548	1548	47	21	52	94720	1	1.20	2	194
##	1549	1549	57	32	21	92037	4	0.90	2	113
##	1550	1550	57	31	45	94305	3	1.40	1	198
##	1551	1551	40	14	39	93117	1	2.00	1	0
##	1552	1552	50	25	192	94115	2	2.80	1	238
##	1553	1553	29	5	195	94301	1	4.30	1	0
##	1554	1554	46	22	83	95616	3	0.70	1	0
##	1555	1555	42	15	34	91302	3	1.00	2	0
##	1556	1556	59	33	49	93009	4	1.70	2	104
##	1557	1557	31	1	60	94143	4	4.00	3	244
##	1558	1558	51	25	41	94939	4	1.80	1	0
##	1559	1559	35	10	72	91320	3	2.30	1	285
##	1560	1560	59	35	102	92677	4	3.00	2	115
##	1561	1561	35	10	31	95605	3	1.30	1	0
##	1562	1562	46	20	73	93106	1	1.50	2	128
##	1563	1563	34	9	89	91763	1	0.00	1	0
##	1564	1564	55	29	19	92109	4	0.70	3	121
##	1565	1565	64	40	63	94706	4	1.20	2	0
##	1566	1566	34	9	104	95758	3	1.20	3	0
##	1567	1567	61	35	40	95064	1	0.80	2	128
##	1568	1568	63	39	92	94710	2	0.00	3	0
##	1569	1569	59	33	72	92350	2	0.70	2	226
##	1570	1570	51	27	44	94305	3	1.90	2	141
##	1571	1571	41	16	114	94705	4	3.50	1	0
##	1572	1572	37	13	73	95758	4	2.40	1	0
##	1573	1573	64	40	63	91711	4	1.20	2	0
##	1574	1574	44	20	69	92028	1	0.80	3	184
##	1575	1575	62	37	42	92106	3	1.50	1	0
##	1576	1576	50	26	88	90037	1	2.70	1	0
##	1577	1577	43	18	98	92131	2	0.40	1	0
##	1578	1578	34	8	65	92093	1	3.00	1	227
##	1579	1579	38	13	12	94143	2	0.30	2	104
##	1580	1580	29	5	122	94305	4	3.00	1	0
##	1581	1581	39	14	12	92093	2	0.00	3	0
##	1582	1582	53	29	24	94105	2	0.20	1	0
##	1583	1583	43	19	170	92037	4	4.25	1	318
##	1584	1584	61	36	184	92028	4	2.30	2	342
##	1585	1585	46	20	25	93401	4	0.60	3	125
##	1586	1586	57	31	131	90502	2	2.70	1	0
##	1587	1587	59	33	50	94122	2	2.30	3	0
##	1588	1588	52	28	21	94035	2	0.40	1	0
##	1589	1589	29	3	55	95616	3	1.10	2	0

##	1590	1590	57	32	124	90049	1	0.20	2	0
##	1591	1591	49	23	58	95819	4	2.60	1	188
##	1592	1592	39	13	72	95817	2	2.80	1	0
##	1593	1593	56	31	192	90089	1	7.00	3	0
##	1594	1594	63	38	83	91320	3	1.80	2	0
##	1595	1595	37	12	93	90025	1	2.80	1	0
##	1596	1596	56	26	38	94305	3	1.00	3	110
##	1597	1597	45	20	55	92606	4	1.90	3	164
##	1598	1598	66	41	11	92325	3	0.10	3	0
##	1599	1599	40	15	85	94550	2	0.40	1	0
##	1600	1600	50	24	124	93305	1	4.90	1	266
##	1601	1601	60	36	129	92028	2	6.00	1	0
##	1602	1602	31	7	180	93407	1	4.30	1	0
##	1603	1603	40	14	74	90245	4	1.40	2	0
##	1604	1604	36	6	138	92152	1	7.00	3	86
##	1605	1605	55	29	111	90502	2	3.60	3	0
##	1606	1606	54	28	83	93555	3	0.80	1	0
##	1607	1607	35	10	33	90266	4	1.70	1	87
##	1608	1608	55	29	21	92028	4	0.70	3	0
##	1609	1609	36	10	35	94608	2	0.30	1	98
##	1610	1610	66	41	105	93023	1	0.80	3	0
##	1611	1611	38	14	103	94305	1	0.80	2	0
##	1612	1612	58	32	75	92096	2	2.30	3	0
##	1613	1613	41	17	33	94550	1	0.70	1	104
##	1614	1614	60	34	52	94305	4	1.70	2	0
##	1615	1615	47	23	89	94920	1	2.60	2	0
##	1616	1616	62	36	63	93109	1	2.50	3	0
##	1617	1617	48	23	84	94402	4	3.10	2	0
##	1618	1618	61	36	44	91302	4	2.10	1	0
##	1619	1619	29	3	29	94720	3	1.00	1	0
##	1620	1620	45	21	29	90005	1	0.30	3	0
##	1621	1621	39	14	22	94035	2	0.30	2	0
##	1622	1622	31	6	53	92093	4	2.20	1	114
##	1623	1623	39	14	24	94611	2	0.30	2	0
##	1624	1624	63	38	153	90045	1	1.30	1	455
##	1625	1625	28	2	31	90024	2	0.30	2	0
##	1626	1626	56	30	21	94542	2	0.70	2	0
##	1627	1627	31	6	180	93108	2	6.70	1	0
##	1628	1628	46	20	82	91016	3	0.70	2	0
##	1629	1629	42	18	90	95064	4	0.80	1	245
##	1630	1630	53	29	154	93407	4	7.40	3	0
##	1631	1631	41	17	99	92096	2	1.80	2	0
##	1632	1632	61	36	153	91105	1	2.60	2	0
##	1633	1633	31	5	93	95032	2	3.10	2	0
##	1634	1634	62	38	53	92121	1	0.00	2	0
##	1635	1635	59	34	18	95814	3	1.30	2	104
##	1636	1636	49	24	70	91330	1	2.90	1	0
##	1637	1637	65	39	100	92122	4	1.70	3	0
##	1638	1638	30	6	193	94022	3	6.30	3	0
##	1639	1639	32	7	125	95133	1	0.00	1	0
##	1640	1640	56	31	68	94571	2	0.00	3	0
##	1641	1641	36	10	55	90009	1	2.00	1	95
##	1642	1642	58	34	152	92182	4	3.60	3	0
##	1643	1643	27	3	84	95814	3	1.50	1	0

##	1644	1644	41	16	13	91125	2	0.00	3	0
##	1645	1645	59	35	33	91355	4	0.40	1	131
##	1646	1646	56	32	89	92096	4	1.00	2	90
##	1647	1647	52	26	93	91745	1	2.40	1	0
##	1648	1648	35	5	68	90509	4	1.80	3	0
##	1649	1649	47	21	85	93106	2	1.70	2	0
##	1650	1650	29	4	73	95039	1	0.80	2	0
##	1651	1651	31	6	83	92131	4	2.20	2	106
##	1652	1652	62	36	158	94301	2	6.30	3	0
##	1653	1653	48	18	182	92626	4	6.00	3	0
##	1654	1654	26	1	24	96651	2	0.90	3	123
##	1655	1655	60	34	102	94305	2	2.00	1	0
##	1656	1656	35	11	53	91355	3	2.80	1	0
##	1657	1657	40	15	175	92646	2	3.30	1	0
##	1658	1658	31	5	28	94538	3	1.00	1	0
##	1659	1659	50	25	14	92037	4	0.80	1	0
##	1660	1660	33	7	139	95828	1	4.00	3	106
##	1661	1661	37	11	34	95747	3	0.90	1	0
##	1662	1662	38	14	64	92093	1	1.50	3	0
##	1663	1663	63	38	84	94607	4	0.10	2	0
##	1664	1664	57	32	42	95070	3	0.50	2	0
##	1665	1665	61	35	63	91605	1	1.60	1	0
##	1666	1666	37	12	100	92735	3	1.20	3	341
##	1667	1667	51	25	190	95138	2	4.20	2	0
##	1668	1668	44	20	22	90024	1	1.00	1	91
##	1669	1669	63	37	20	90066	1	0.80	2	0
##	1670	1670	43	18	21	95037	2	1.40	2	0
##	1671	1671	38	14	25	95135	4	0.40	2	101
##	1672	1672	34	9	20	92648	4	1.10	3	0
##	1673	1673	48	23	173	94546	3	0.20	1	0
##	1674	1674	29	5	81	94115	2	2.50	1	0
##	1675	1675	37	11	139	95814	2	0.80	2	421
##	1676	1676	60	35	119	90266	2	3.90	1	0
##	1677	1677	46	20	74	92821	4	2.60	3	104
##	1678	1678	34	10	42	92173	1	1.50	2	131
##	1679	1679	56	30	73	94035	2	1.10	1	0
##	1680	1680	57	31	114	94590	4	5.20	1	0
##	1681	1681	62	36	44	92093	2	1.00	3	0
##	1682	1682	32	8	141	90005	2	4.33	1	0
##	1683	1683	51	26	14	92182	2	0.00	1	103
##	1684	1684	55	29	33	92660	2	0.40	3	0
##	1685	1685	60	34	83	94028	2	2.00	1	249
##	1686	1686	40	16	89	90011	4	0.80	1	155
##	1687	1687	62	38	39	96003	4	2.20	1	0
##	1688	1688	63	39	83	90025	3	2.00	3	0
##	1689	1689	60	34	108	92152	2	2.00	1	359
##	1690	1690	59	34	21	92028	3	1.30	2	0
##	1691	1691	26	1	102	95521	1	1.90	1	0
##	1692	1692	56	32	48	94117	1	1.60	3	0
##	1693	1693	58	32	32	93014	3	1.40	1	0
##	1694	1694	57	31	43	95616	1	0.20	1	0
##	1695	1695	48	23	35	94025	4	0.40	2	118
##	1696	1696	30	6	184	91911	1	6.00	1	0
##	1697	1697	45	21	140	91024	2	7.60	1	132

##	1698	1698	64	38	32	90065	3	0.70	2	0
##	1699	1699	44	20	149	92121	1	1.70	1	0
##	1700	1700	51	25	15	94720	4	0.60	3	0
##	1701	1701	43	16	71	90089	3	2.33	2	0
##	1702	1702	29	3	108	94304	4	1.80	2	0
##	1703	1703	56	30	122	93555	2	0.50	1	0
##	1704	1704	65	41	40	94542	3	0.10	3	0
##	1705	1705	46	22	198	95521	2	6.67	1	0
##	1706	1706	48	24	79	90245	4	1.40	2	0
##	1707	1707	56	31	84	92672	1	0.10	3	0
##	1708	1708	61	37	31	92374	3	0.40	2	0
##	1709	1709	46	20	12	90250	4	0.60	3	0
##	1710	1710	58	34	88	93555	2	1.60	1	0
##	1711	1711	31	5	29	95405	2	0.30	2	131
##	1712	1712	27	3	201	95819	1	6.33	1	158
##	1713	1713	44	20	20	92780	1	1.40	3	0
##	1714	1714	44	20	15	90405	1	1.00	1	0
##	1715	1715	51	27	155	94720	2	0.40	1	107
##	1716	1716	39	13	25	95370	3	0.20	2	0
##	1717	1717	32	8	200	91330	2	6.50	1	565
##	1718	1718	33	7	101	93727	1	2.70	2	233
##	1719	1719	40	16	19	92028	4	0.40	2	0
##	1720	1720	36	12	188	91304	2	6.50	1	0
##	1721	1721	52	28	8	95060	1	0.30	1	0
##	1722	1722	54	29	59	92867	2	2.30	3	152
##	1723	1723	26	2	72	92647	4	2.60	1	0
##	1724	1724	39	15	55	95821	1	1.50	3	0
##	1725	1725	46	19	24	90025	3	0.67	2	0
##	1726	1726	57	32	19	95348	1	1.30	1	0
##	1727	1727	59	33	71	91335	2	2.30	3	150
##	1728	1728	52	26	54	90049	2	1.50	2	0
##	1729	1729	52	26	28	95405	1	0.30	3	0
##	1730	1730	50	20	25	91320	4	0.40	3	0
##	1731	1731	41	17	51	94402	2	0.60	3	0
##	1732	1732	43	19	125	92122	3	2.40	1	0
##	1733	1733	25	0	88	94566	2	1.80	2	319
##	1734	1734	40	16	125	95125	2	2.20	1	0
##	1735	1735	35	10	79	94720	4	2.10	3	182
##	1736	1736	60	36	31	95051	3	0.40	2	0
##	1737	1737	57	31	131	95133	2	2.70	1	394
##	1738	1738	44	19	70	92399	1	0.20	2	230
##	1739	1739	61	36	38	91129	3	0.90	3	82
##	1740	1740	33	7	83	95211	1	2.50	1	0
##	1741	1741	45	20	59	95008	1	2.40	1	0
##	1742	1742	45	21	121	94066	1	4.70	1	0
##	1743	1743	64	38	42	95929	2	0.70	3	137
##	1744	1744	50	24	32	94701	4	1.80	1	109
##	1745	1745	28	3	29	91105	4	0.80	1	135
##	1746	1746	37	12	40	90065	2	1.10	2	0
##	1747	1747	62	36	25	90740	3	0.30	3	0
##	1748	1748	29	5	21	90717	4	0.40	2	89
##	1749	1749	49	23	79	95819	3	0.70	2	151
##	1750	1750	46	22	52	95814	2	2.10	3	221
##	1751	1751	60	34	61	95521	4	1.70	2	229

##	1752	1752	55	31	25	94720	2	0.20	1	0
##	1753	1753	33	8	155	92717	1	7.40	3	0
##	1754	1754	53	29	25	92008	2	0.40	1	0
##	1755	1755	50	24	80	95616	4	4.90	1	0
##	1756	1756	28	3	55	92647	4	1.70	2	0
##	1757	1757	42	17	23	95053	2	0.00	3	0
##	1758	1758	33	9	60	90630	1	1.20	1	0
##	1759	1759	40	14	54	96003	2	0.70	1	0
##	1760	1760	31	6	44	94720	4	0.80	1	0
##	1761	1761	41	16	33	94309	4	0.00	2	0
##	1762	1762	52	27	45	94720	2	2.00	2	121
##	1763	1763	65	35	55	94526	4	1.67	3	89
##	1764	1764	48	24	134	94105	1	5.00	1	0
##	1765	1765	45	21	44	94596	3	0.60	2	0
##	1766	1766	26	0	149	95051	2	7.20	1	154
##	1767	1767	64	38	22	92697	2	0.20	3	0
##	1768	1768	41	14	74	92691	3	2.33	2	0
##	1769	1769	43	18	128	92093	4	5.30	1	84
##	1770	1770	60	36	62	94061	4	2.20	1	0
##	1771	1771	62	37	9	91320	1	0.10	1	94
##	1772	1772	46	21	9	95023	2	0.70	3	0
##	1773	1773	36	11	15	94720	2	0.30	2	119
##	1774	1774	31	5	28	92037	4	0.80	1	0
##	1775	1775	43	18	83	93109	3	0.50	3	0
##	1776	1776	46	22	73	91360	1	0.80	3	117
##	1777	1777	50	26	42	94080	4	1.10	2	151
##	1778	1778	52	27	34	93117	2	0.70	2	114
##	1779	1779	27	3	32	94710	3	1.00	2	0
##	1780	1780	34	9	68	94720	1	2.80	1	0
##	1781	1781	49	24	82	95051	1	2.90	1	267
##	1782	1782	52	26	19	90650	2	0.70	2	0
##	1783	1783	37	11	60	95825	2	2.80	1	181
##	1784	1784	53	27	192	94720	1	1.70	1	601
##	1785	1785	54	29	119	91355	3	2.00	1	0
##	1786	1786	29	3	190	94080	2	4.50	1	0
##	1787	1787	35	11	34	93117	1	1.50	2	0
##	1788	1788	32	6	44	94608	4	0.20	1	0
##	1789	1789	38	13	23	91116	4	0.20	3	0
##	1790	1790	44	20	171	91330	4	0.70	1	567
##	1791	1791	44	20	43	92124	1	0.30	3	0
##	1792	1792	48	22	139	94309	1	0.00	1	0
##	1793	1793	46	20	118	93009	1	5.70	1	0
##	1794	1794	35	9	113	94596	3	0.80	3	0
##	1795	1795	56	32	98	91355	3	3.90	3	0
##	1796	1796	49	24	70	90024	1	2.90	1	0
##	1797	1797	57	32	42	92831	2	2.10	3	0
##	1798	1798	35	10	143	91365	1	8.60	1	0
##	1799	1799	44	20	185	94086	3	2.70	1	0
##	1800	1800	38	14	28	95821	4	0.40	2	100
##	1801	1801	57	33	45	94080	3	1.50	1	181
##	1802	1802	35	10	78	92121	1	2.60	2	0
##	1803	1803	29	3	121	92806	2	1.30	1	0
##	1804	1804	58	32	59	94542	1	1.60	1	0
##	1805	1805	40	16	64	92661	4	2.67	1	0

##	1806	1806	51	26	15	92373	2	0.00	1	114
##	1807	1807	61	36	10	90740	1	0.10	1	0
##	1808	1808	46	20	61	90036	2	0.40	3	0
##	1809	1809	55	31	50	93010	4	1.50	1	0
##	1810	1810	35	10	79	95045	4	2.10	3	0
##	1811	1811	60	34	35	90025	1	0.20	1	0
##	1812	1812	28	3	11	94534	4	0.50	3	0
##	1813	1813	43	19	128	95054	1	4.70	1	0
##	1814	1814	61	36	55	90033	3	0.90	3	0
##	1815	1815	48	22	79	95747	3	0.70	2	0
##	1816	1816	65	39	18	94923	2	0.40	1	0
##	1817	1817	45	19	91	92373	2	1.70	2	0
##	1818	1818	36	11	9	94604	4	0.20	3	0
##	1819	1819	45	20	62	95818	2	2.20	3	0
##	1820	1820	60	34	59	94110	1	1.60	1	231
##	1821	1821	47	22	25	90404	1	0.10	1	148
##	1822	1822	32	7	54	96008	4	1.30	1	0
##	1823	1823	48	23	112	93014	1	5.10	2	86
##	1824	1824	33	8	125	91320	1	0.00	1	0
##	1825	1825	49	23	194	94022	4	8.30	2	0
##	1826	1826	56	32	161	94720	1	5.80	3	0
##	1827	1827	59	33	35	91105	1	0.20	1	171
##	1828	1828	56	30	113	92704	2	2.70	1	352
##	1829	1829	30	4	25	92123	2	0.30	2	0
##	1830	1830	59	29	45	95630	3	2.00	3	0
##	1831	1831	38	13	119	94571	2	7.80	1	221
##	1832	1832	47	22	30	94118	4	0.40	2	115
##	1833	1833	54	29	79	91330	4	3.80	2	0
##	1834	1834	34	9	178	94303	1	0.80	3	0
##	1835	1835	41	16	23	94143	2	0.30	2	118
##	1836	1836	47	23	171	94546	2	1.40	1	284
##	1837	1837	44	19	74	90041	4	1.90	3	0
##	1838	1838	43	18	103	90089	3	1.00	1	180
##	1839	1839	31	7	99	94720	1	4.00	1	0
##	1840	1840	28	2	43	95616	4	1.30	3	0
##	1841	1841	55	25	23	93106	4	0.40	3	88
##	1842	1842	42	17	91	94583	1	0.10	2	199
##	1843	1843	53	29	93	95051	1	2.70	2	256
##	1844	1844	30	6	154	90230	1	6.00	1	0
##	1845	1845	65	40	21	92717	3	0.10	3	0
##	1846	1846	43	18	65	93065	2	2.20	3	0
##	1847	1847	56	32	15	90089	1	0.10	2	0
##	1848	1848	25	0	52	95126	3	2.60	3	159
##	1849	1849	35	10	30	95032	3	1.30	1	0
##	1850	1850	50	26	42	90630	1	1.60	2	0
##	1851	1851	36	10	20	90033	4	0.30	1	97
##	1852	1852	34	8	60	94015	4	2.20	2	0
##	1853	1853	32	6	54	94596	4	1.80	3	167
##	1854	1854	51	25	60	90401	4	2.60	1	97
##	1855	1855	52	25	41	95403	3	1.00	2	0
##	1856	1856	65	39	30	94304	3	0.70	2	0
##	1857	1857	51	24	21	95014	2	1.00	2	0
##	1858	1858	37	13	105	94066	1	0.80	2	0
##	1859	1859	35	11	65	90747	3	2.80	1	240

##	1860	1860	67	41	20	91741	2	0.40	1	80
##	1861	1861	30	6	179	91103	3	4.90	1	142
##	1862	1862	62	38	161	90274	1	2.90	1	0
##	1863	1863	42	17	82	95616	1	3.70	3	0
##	1864	1864	48	22	43	94588	1	1.20	2	112
##	1865	1865	61	36	61	92103	2	2.80	1	0
##	1866	1866	36	6	90	91342	4	1.80	3	0
##	1867	1867	48	24	90	94523	1	2.60	2	334
##	1868	1868	65	39	21	94553	2	0.40	1	0
##	1869	1869	25	1	118	92833	1	5.40	1	0
##	1870	1870	55	30	44	94025	2	2.00	2	0
##	1871	1871	63	37	110	95032	1	4.10	3	0
##	1872	1872	31	5	99	94065	4	1.80	2	268
##	1873	1873	43	17	98	94402	3	1.10	1	0
##	1874	1874	28	4	69	94538	3	0.70	2	80
##	1875	1875	37	11	82	95819	3	0.90	2	218
##	1876	1876	27	3	112	90066	3	2.50	1	389
##	1877	1877	62	38	123	90210	1	2.90	1	0
##	1878	1878	51	24	78	90037	1	2.67	2	0
##	1879	1879	56	30	59	95833	3	0.80	1	159
##	1880	1880	56	30	78	90401	3	1.70	2	0
##	1881	1881	44	19	49	94720	4	1.90	3	89
##	1882	1882	46	19	82	91365	3	2.67	2	0
##	1883	1883	56	32	125	91330	3	0.60	1	342
##	1884	1884	56	30	185	91711	1	2.90	1	0
##	1885	1885	57	33	163	94132	1	7.40	1	0
##	1886	1886	31	6	19	96001	4	1.10	3	104
##	1887	1887	65	41	115	94105	4	1.70	2	0
##	1888	1888	31	7	81	95006	2	2.00	2	0
##	1889	1889	36	10	93	94305	1	2.80	3	0
##	1890	1890	56	30	111	93106	4	0.30	1	372
##	1891	1891	52	27	184	90630	1	8.10	1	0
##	1892	1892	42	18	50	95126	4	2.20	2	0
##	1893	1893	55	30	55	94110	3	1.70	1	0
##	1894	1894	49	24	13	94608	1	0.40	3	101
##	1895	1895	51	25	29	94303	4	0.10	1	0
##	1896	1896	26	2	72	95003	4	2.60	1	0
##	1897	1897	32	7	83	94304	1	2.60	2	0
##	1898	1898	54	29	98	93065	1	0.10	3	0
##	1899	1899	50	24	43	95630	4	0.10	1	0
##	1900	1900	59	33	34	94115	1	0.20	1	0
##	1901	1901	61	36	10	91365	4	0.40	2	0
##	1902	1902	43	19	201	94305	2	6.67	1	0
##	1903	1903	39	14	85	94005	3	1.20	3	107
##	1904	1904	56	26	50	90095	3	1.40	3	0
##	1905	1905	38	14	91	95060	2	0.00	1	0
##	1906	1906	25	-1	112	92507	2	2.00	1	241
##	1907	1907	42	17	98	92866	2	0.40	1	275
##	1908	1908	42	18	115	93711	1	0.30	1	0
##	1909	1909	50	26	22	92037	4	0.50	2	112
##	1910	1910	56	30	101	90048	3	1.70	2	0
##	1911	1911	43	18	83	95616	2	3.80	3	112
##	1912	1912	60	35	52	94709	3	0.50	2	0
##	1913	1913	42	16	191	94304	3	4.80	2	0

##	1914	1914	57	33	134	92110	4	0.90	1	198
##	1915	1915	48	24	54	95616	1	1.60	2	186
##	1916	1916	37	11	69	91911	3	2.10	1	0
##	1917	1917	57	32	64	95138	3	1.60	3	0
##	1918	1918	62	32	53	96001	4	1.67	3	142
##	1919	1919	39	9	118	93555	2	6.00	3	246
##	1920	1920	38	13	19	92069	2	1.40	2	120
##	1921	1921	54	28	31	92130	2	0.40	3	0
##	1922	1922	45	21	63	95621	1	0.80	3	245
##	1923	1923	39	15	25	93023	1	1.40	3	0
##	1924	1924	45	19	22	90639	1	0.20	1	0
##	1925	1925	62	38	78	92009	1	1.80	3	0
##	1926	1926	43	19	81	90245	1	0.30	1	218
##	1927	1927	30	6	41	90095	1	2.40	2	0
##	1928	1928	35	10	62	93106	3	2.30	1	0
##	1929	1929	58	34	35	94122	1	1.20	3	0
##	1930	1930	44	19	30	94501	1	0.60	3	0
##	1931	1931	56	29	51	94080	3	1.00	2	0
##	1932	1932	28	2	140	92122	2	2.00	1	0
##	1933	1933	64	39	73	90073	3	2.40	1	185
##	1934	1934	63	39	40	91311	4	1.20	2	0
##	1935	1935	44	20	69	95814	1	0.80	3	0
##	1936	1936	34	9	191	94086	1	4.80	3	0
##	1937	1937	50	24	82	90291	3	3.00	2	0
##	1938	1938	51	25	181	95051	1	3.30	3	589
##	1939	1939	30	4	38	90245	1	1.90	3	0
##	1940	1940	55	31	23	94122	2	0.20	1	0
##	1941	1941	57	33	55	92630	1	1.80	3	0
##	1942	1942	43	19	58	95307	2	3.20	1	0
##	1943	1943	61	36	29	90210	2	0.50	2	0
##	1944	1944	49	23	39	95521	4	2.60	1	0
##	1945	1945	52	28	39	90095	3	1.90	2	83
##	1946	1946	57	33	30	93106	3	1.50	1	151
##	1947	1947	53	23	58	94720	4	2.00	3	0
##	1948	1948	52	28	62	94111	1	1.80	3	231
##	1949	1949	39	15	62	93955	4	2.40	1	86
##	1950	1950	58	34	19	90504	1	1.20	3	0
##	1951	1951	36	12	38	94109	1	1.50	2	0
##	1952	1952	45	21	84	94550	4	2.00	3	0
##	1953	1953	30	5	78	92037	1	2.60	2	0
##	1954	1954	49	25	22	90058	4	0.20	1	83
##	1955	1955	44	20	81	90245	4	2.00	3	277
##	1956	1956	43	17	32	90401	3	0.50	2	0
##	1957	1957	42	18	89	94539	4	0.80	1	184
##	1958	1958	29	4	121	90028	2	3.30	1	0
##	1959	1959	28	2	42	95762	1	1.50	1	0
##	1960	1960	50	24	130	95833	1	1.00	1	0
##	1961	1961	44	19	30	95616	4	0.00	2	0
##	1962	1962	52	26	114	94304	1	4.90	1	0
##	1963	1963	28	4	155	90019	1	6.33	1	0
##	1964	1964	62	38	50	94539	2	1.10	1	0
##	1965	1965	34	10	34	95060	1	1.50	2	111
##	1966	1966	45	20	94	90095	3	0.50	3	0
##	1967	1967	52	26	114	91330	2	2.40	2	0

##	1968	1968	43	18	89	94303	3	0.50	3	108
##	1969	1969	54	24	49	91801	1	1.40	3	0
##	1970	1970	64	38	115	94105	1	2.00	1	0
##	1971	1971	27	3	148	92780	1	1.50	1	397
##	1972	1972	42	17	72	95616	4	1.10	2	203
##	1973	1973	28	2	114	94606	4	2.10	3	0
##	1974	1974	47	22	11	92192	2	0.00	1	78
##	1975	1975	39	13	63	90095	4	0.20	3	242
##	1976	1976	29	3	113	94132	2	0.20	1	0
##	1977	1977	39	13	80	95616	2	1.80	1	0
##	1978	1978	41	15	54	94303	3	0.50	3	0
##	1979	1979	37	11	32	94612	2	1.40	3	0
##	1980	1980	41	17	11	91330	1	1.00	1	0
##	1981	1981	45	19	141	94706	1	2.40	1	0
##	1982	1982	52	26	84	91768	3	3.00	2	0
##	1983	1983	58	33	18	94701	3	0.10	2	110
##	1984	1984	31	5	20	94720	2	0.30	1	0
##	1985	1985	26	1	55	92630	4	1.70	2	175
##	1986	1986	31	7	31	94920	4	0.40	2	79
##	1987	1987	42	17	114	90065	2	0.40	1	0
##	1988	1988	56	31	52	94118	3	2.00	2	0
##	1989	1989	52	28	18	91301	1	0.30	1	120
##	1990	1990	59	35	55	90274	1	1.80	3	0
##	1991	1991	32	8	29	92807	1	0.20	3	76
##	1992	1992	46	22	30	90747	3	0.50	1	0
##	1993	1993	52	28	38	94302	2	0.80	1	0
##	1994	1994	30	5	122	94545	2	3.10	1	0
##	1995	1995	32	8	183	94080	1	6.00	1	0
##	1996	1996	35	11	41	94720	1	2.40	2	0
##	1997	1997	49	24	38	94305	1	1.40	3	0
##	1998	1998	54	30	61	92093	1	1.80	3	0
##	1999	1999	56	32	103	94111	3	4.00	3	0
##	2000	2000	48	22	80	93940	2	2.40	2	0
##	2001	2001	28	2	22	95670	1	0.10	2	0
##	2002	2002	44	17	128	94928	2	3.25	2	0
##	2003	2003	30	4	142	92126	3	4.20	1	359
##	2004	2004	44	20	124	90277	1	4.70	1	0
##	2005	2005	30	4	44	92704	1	1.90	3	143
##	2006	2006	47	23	170	90254	2	6.50	2	0
##	2007	2007	64	39	75	94720	4	0.10	2	0
##	2008	2008	48	21	78	94010	3	2.00	2	0
##	2009	2009	63	38	31	92037	1	1.10	3	125
##	2010	2010	25	0	99	92735	1	1.90	1	323
##	2011	2011	61	36	41	96001	2	1.50	1	0
##	2012	2012	46	21	39	92507	4	0.00	2	0
##	2013	2013	57	31	51	93943	1	1.40	1	0
##	2014	2014	40	15	52	92691	3	0.80	3	113
##	2015	2015	49	19	169	95054	3	5.67	3	167
##	2016	2016	30	5	141	95747	1	0.80	1	0
##	2017	2017	41	17	93	92835	4	0.80	1	218
##	2018	2018	42	15	14	92064	3	1.00	2	0
##	2019	2019	63	39	160	90089	2	2.10	1	0
##	2020	2020	43	17	44	94611	1	0.20	1	0
##	2021	2021	59	34	33	94303	3	0.20	1	0

##	2022	2022	46	20	103	91380	4	4.80	3	0
##	2023	2023	33	3	71	93561	4	1.80	3	236
##	2024	2024	55	29	55	94720	1	0.20	1	151
##	2025	2025	36	12	113	94305	4	0.20	1	0
##	2026	2026	47	20	79	94720	3	2.00	2	185
##	2027	2027	59	33	80	93907	2	0.70	2	0
##	2028	2028	38	12	179	94596	2	0.00	1	380
##	2029	2029	42	17	9	91710	2	0.00	3	0
##	2030	2030	30	3	61	92152	4	2.00	2	0
##	2031	2031	63	38	111	95814	2	3.90	1	207
##	2032	2032	60	35	80	94608	3	0.50	1	0
##	2033	2033	62	37	32	90266	3	0.20	1	0
##	2034	2034	49	23	83	92126	1	0.30	1	0
##	2035	2035	59	33	91	92821	4	1.90	2	329
##	2036	2036	36	10	29	93065	4	1.00	1	0
##	2037	2037	46	19	19	94305	3	0.67	2	0
##	2038	2038	35	8	52	95616	2	1.00	2	0
##	2039	2039	50	24	150	94551	1	7.30	1	0
##	2040	2040	51	25	32	91605	2	0.40	3	0
##	2041	2041	41	16	91	94720	3	0.50	3	0
##	2042	2042	45	20	180	95403	3	8.50	2	535
##	2043	2043	41	17	121	94102	1	0.30	1	0
##	2044	2044	57	32	25	90049	2	0.20	3	0
##	2045	2045	51	25	102	92677	1	0.30	1	0
##	2046	2046	52	28	44	95051	4	0.90	2	107
##	2047	2047	43	16	161	95134	3	8.00	2	0
##	2048	2048	63	38	134	90640	3	4.00	2	0
##	2049	2049	28	4	43	94803	1	1.80	2	0
##	2050	2050	43	18	94	92717	4	1.10	2	0
##	2051	2051	41	15	29	94024	2	0.80	3	98
##	2052	2052	34	8	38	90018	4	0.20	1	0
##	2053	2053	28	3	120	94080	1	0.80	1	170
##	2054	2054	58	32	85	92110	2	2.00	1	161
##	2055	2055	39	15	89	92126	2	1.90	1	0
##	2056	2056	49	23	25	90274	1	1.40	3	0
##	2057	2057	33	8	20	92691	3	1.30	1	83
##	2058	2058	37	12	125	91754	2	3.90	1	0
##	2059	2059	33	7	18	92093	1	0.60	3	0
##	2060	2060	28	3	173	92121	2	6.70	1	222
##	2061	2061	54	29	34	92093	4	0.10	3	0
##	2062	2062	63	38	159	93950	4	4.90	2	111
##	2063	2063	57	31	55	92521	3	2.50	1	219
##	2064	2064	56	30	32	94080	2	0.40	3	0
##	2065	2065	54	29	65	94545	4	1.80	3	0
##	2066	2066	29	5	83	92354	3	1.50	1	0
##	2067	2067	41	16	30	95814	2	1.40	2	0
##	2068	2068	58	32	180	91770	1	2.90	1	0
##	2069	2069	61	37	13	90024	2	0.30	3	0
##	2070	2070	30	4	35	90059	4	0.80	1	0
##	2071	2071	62	37	95	91107	3	0.50	1	0
##	2072	2072	52	28	83	94705	1	0.00	1	0
##	2073	2073	29	3	39	95831	4	0.20	1	137
##	2074	2074	46	20	54	91107	1	0.70	3	154
##	2075	2075	52	27	81	91942	1	1.30	3	293

##	2076	2076	40	16	53	94123	4	2.00	3	0
##	2077	2077	49	23	119	91030	1	7.30	1	398
##	2078	2078	34	9	160	94108	4	8.00	3	0
##	2079	2079	35	11	21	95814	2	1.00	2	0
##	2080	2080	26	2	40	94132	1	1.00	3	0
##	2081	2081	65	40	69	91706	4	0.10	2	0
##	2082	2082	52	27	45	95006	1	1.30	2	0
##	2083	2083	32	7	55	91301	4	2.00	2	0
##	2084	2084	31	7	38	94025	1	0.20	3	0
##	2085	2085	36	9	44	93907	4	1.00	2	101
##	2086	2086	50	24	45	94105	3	0.60	2	117
##	2087	2087	36	12	84	90291	1	0.80	2	0
##	2088	2088	51	27	188	94305	2	6.90	2	343
##	2089	2089	39	9	29	94701	3	2.00	3	151
##	2090	2090	53	29	95	94304	1	2.70	2	0
##	2091	2091	50	25	79	95023	1	2.90	1	307
##	2092	2092	31	4	41	91360	1	2.00	2	0
##	2093	2093	53	23	19	92673	4	0.40	3	84
##	2094	2094	48	23	75	94111	4	3.60	3	0
##	2095	2095	57	31	64	90024	3	2.50	1	208
##	2096	2096	47	21	174	94025	4	3.20	3	0
##	2097	2097	55	29	54	95051	2	2.30	3	93
##	2098	2098	37	11	14	90740	3	0.10	2	113
##	2099	2099	59	35	94	90089	1	3.80	1	272
##	2100	2100	53	29	10	90095	2	0.40	1	0
##	2101	2101	31	6	145	93940	1	0.80	1	84
##	2102	2102	35	5	203	95032	1	10.00	3	0
##	2103	2103	25	-1	81	92647	2	1.60	3	0
##	2104	2104	37	13	153	90630	2	6.50	1	0
##	2105	2105	40	14	58	90245	4	0.20	3	0
##	2106	2106	31	5	49	94114	4	1.80	3	0
##	2107	2107	62	38	132	90210	1	2.90	1	0
##	2108	2108	41	17	85	90291	4	0.20	3	229
##	2109	2109	56	32	85	94132	3	2.67	1	0
##	2110	2110	47	23	178	93014	1	6.50	3	0
##	2111	2111	28	4	104	94301	3	2.50	1	0
##	2112	2112	60	34	40	94105	1	1.60	1	0
##	2113	2113	27	2	103	93117	1	1.90	1	120
##	2114	2114	57	33	25	92064	2	1.00	1	0
##	2115	2115	62	36	69	95039	2	1.70	3	0
##	2116	2116	57	31	30	95070	3	1.40	1	0
##	2117	2117	44	17	70	94920	3	2.67	2	0
##	2118	2118	31	7	15	91380	3	0.90	3	0
##	2119	2119	31	5	125	91320	2	1.30	1	0
##	2120	2120	39	13	50	94923	3	0.50	3	0
##	2121	2121	41	17	44	93106	1	0.30	3	0
##	2122	2122	41	17	38	92182	4	2.20	2	180
##	2123	2123	55	29	64	93437	3	0.80	1	119
##	2124	2124	28	2	9	95014	1	0.10	2	0
##	2125	2125	35	9	44	92054	3	0.90	1	89
##	2126	2126	44	20	93	91910	4	0.80	1	101
##	2127	2127	44	19	83	92121	4	0.40	1	141
##	2128	2128	40	14	179	94720	2	0.00	1	0
##	2129	2129	65	40	40	94104	1	1.10	3	0

##	2130	2130	35	10	58	91754	4	0.70	3	232
##	2131	2131	55	31	74	94607	3	2.67	1	0
##	2132	2132	55	31	15	95747	1	0.20	1	0
##	2133	2133	59	35	11	94949	2	1.00	1	0
##	2134	2134	39	15	41	95035	1	2.00	2	176
##	2135	2135	50	24	68	95821	1	1.50	2	120
##	2136	2136	45	15	28	95039	1	0.75	3	0
##	2137	2137	50	26	115	95008	1	1.20	3	0
##	2138	2138	65	40	83	92354	4	0.10	2	247
##	2139	2139	36	11	40	93611	2	1.10	2	166
##	2140	2140	57	32	113	91768	1	0.10	3	0
##	2141	2141	53	27	89	92130	1	0.80	3	0
##	2142	2142	28	4	38	92109	4	1.60	1	0
##	2143	2143	55	31	62	93943	4	1.50	1	0
##	2144	2144	56	31	65	92093	3	1.70	1	109
##	2145	2145	33	6	168	94720	3	5.67	2	0
##	2146	2146	57	32	40	94720	3	1.70	1	0
##	2147	2147	27	3	30	93108	1	1.00	3	80
##	2148	2148	27	3	20	92007	4	1.00	1	0
##	2149	2149	54	30	58	92007	2	3.20	3	0
##	2150	2150	48	22	150	95039	1	7.30	1	193
##	2151	2151	62	38	54	91320	1	0.80	1	0
##	2152	2152	41	16	19	91730	2	0.30	2	105
##	2153	2153	62	38	30	94304	3	0.10	3	128
##	2154	2154	40	14	123	90041	1	5.20	1	0
##	2155	2155	32	8	45	94558	1	2.40	2	0
##	2156	2156	62	38	154	94305	1	2.90	1	0
##	2157	2157	35	11	93	90747	2	2.70	1	0
##	2158	2158	25	0	71	93727	4	0.20	1	78
##	2159	2159	50	25	83	94720	4	3.10	1	0
##	2160	2160	61	35	99	94085	1	4.80	3	255
##	2161	2161	43	17	55	93933	3	2.20	2	0
##	2162	2162	52	28	38	94131	4	0.90	2	95
##	2163	2163	39	13	74	95008	3	0.90	2	155
##	2164	2164	33	3	69	92161	4	1.80	3	0
##	2165	2165	27	3	104	92007	2	2.50	1	184
##	2166	2166	27	0	38	95929	4	1.00	3	154
##	2167	2167	32	8	25	93524	3	0.90	3	0
##	2168	2168	65	40	162	94596	1	1.30	1	0
##	2169	2169	55	29	64	93063	4	2.60	3	0
##	2170	2170	52	27	30	94305	2	0.70	2	0
##	2171	2171	39	13	52	95039	3	0.50	3	0
##	2172	2172	35	11	42	93108	1	1.50	3	0
##	2173	2173	39	15	79	92028	2	1.80	2	219
##	2174	2174	34	10	34	93407	1	1.70	1	164
##	2175	2175	30	5	123	95605	2	3.10	1	0
##	2176	2176	37	12	160	94305	2	3.30	1	0
##	2177	2177	41	14	51	91320	3	2.33	2	0
##	2178	2178	31	7	108	94507	1	4.00	1	0
##	2179	2179	37	13	158	93943	2	2.30	2	0
##	2180	2180	49	23	68	90024	1	1.50	2	0
##	2181	2181	58	33	42	91380	2	1.60	3	0
##	2182	2182	45	15	32	94143	1	0.75	3	105
##	2183	2183	40	14	22	94566	2	1.40	3	0

##	2184	2184	34	8	29	90025	2	2.00	3	0
##	2185	2185	62	36	183	90095	2	3.40	3	0
##	2186	2186	54	30	69	92009	1	1.60	3	0
##	2187	2187	26	2	92	96001	2	0.20	1	0
##	2188	2188	54	30	40	90024	2	1.00	3	0
##	2189	2189	29	4	9	92037	4	0.50	3	86
##	2190	2190	48	23	128	94309	1	0.60	1	0
##	2191	2191	27	3	110	96150	2	0.20	1	294
##	2192	2192	42	18	171	90027	2	8.00	1	0
##	2193	2193	25	1	13	95814	4	1.00	1	95
##	2194	2194	45	19	25	94609	2	0.10	3	102
##	2195	2195	34	9	123	94553	1	1.60	2	0
##	2196	2196	51	27	33	92037	4	0.20	1	83
##	2197	2197	51	24	189	95211	4	4.75	2	0
##	2198	2198	60	35	34	94102	1	0.30	3	0
##	2199	2199	59	35	58	91355	1	0.00	2	0
##	2200	2200	49	24	51	91016	1	1.30	2	98
##	2201	2201	50	25	29	90095	2	1.30	1	0
##	2202	2202	41	16	111	92009	2	0.40	1	0
##	2203	2203	49	24	43	94709	4	1.90	3	0
##	2204	2204	50	25	130	91320	1	0.60	1	311
##	2205	2205	63	37	20	94704	2	0.40	1	76
##	2206	2206	63	37	101	95819	2	2.80	1	0
##	2207	2207	33	7	48	92831	4	2.20	2	207
##	2208	2208	38	12	180	90245	1	2.80	3	158
##	2209	2209	64	40	92	91109	2	0.00	3	185
##	2210	2210	36	10	33	94080	3	0.90	1	0
##	2211	2211	58	33	51	95006	2	1.90	2	0
##	2212	2212	39	14	31	92717	2	1.40	2	94
##	2213	2213	46	22	83	95060	1	2.70	1	0
##	2214	2214	61	37	45	94610	1	0.80	1	0
##	2215	2215	53	27	89	92735	1	0.80	3	146
##	2216	2216	28	3	193	94501	3	4.00	2	0
##	2217	2217	64	40	89	94707	1	3.80	1	0
##	2218	2218	48	24	162	91355	4	3.30	2	446
##	2219	2219	38	13	9	92634	2	0.30	2	0
##	2220	2220	52	22	58	93101	4	2.00	3	223
##	2221	2221	65	40	80	94105	1	0.80	3	0
##	2222	2222	59	33	73	92056	2	1.70	3	0
##	2223	2223	45	20	41	95008	1	0.30	1	0
##	2224	2224	53	28	74	91711	3	2.00	2	0
##	2225	2225	38	12	29	92084	2	1.40	3	0
##	2226	2226	54	24	25	90505	4	0.40	3	115
##	2227	2227	25	1	98	90717	1	5.40	1	0
##	2228	2228	61	35	59	90840	4	1.70	2	0
##	2229	2229	48	23	43	90254	4	1.90	3	0
##	2230	2230	46	22	72	91711	4	1.40	2	149
##	2231	2231	36	11	183	94704	1	3.00	3	0
##	2232	2232	46	20	134	94575	1	5.70	1	146
##	2233	2233	59	33	140	95035	2	0.50	1	262
##	2234	2234	59	35	39	92028	1	1.80	3	0
##	2235	2235	36	12	35	95812	4	0.40	2	0
##	2236	2236	63	37	141	92121	2	6.90	1	0
##	2237	2237	51	24	23	95616	1	0.50	2	0

##	2238	2238	30	5	134	92647	1	0.00	1	0
##	2239	2239	48	22	35	92709	1	1.40	3	0
##	2240	2240	55	29	42	95833	4	2.50	1	0
##	2241	2241	41	17	81	92868	4	0.20	3	167
##	2242	2242	26	0	14	94301	4	0.40	1	94
##	2243	2243	41	17	45	93437	1	1.80	1	172
##	2244	2244	54	28	79	91342	3	1.70	2	150
##	2245	2245	57	31	53	92806	1	0.80	2	120
##	2246	2246	54	28	33	94111	2	0.70	2	0
##	2247	2247	35	11	190	92093	3	3.10	2	266
##	2248	2248	60	34	60	95616	1	2.50	3	103
##	2249	2249	63	37	8	94618	1	0.80	2	97
##	2250	2250	41	14	38	95814	3	1.00	2	150
##	2251	2251	46	22	154	93109	1	5.00	1	0
##	2252	2252	31	5	54	92173	4	2.20	2	0
##	2253	2253	58	32	41	95819	3	1.40	1	0
##	2254	2254	59	35	25	95827	2	0.30	1	75
##	2255	2255	46	22	53	90025	2	1.70	1	109
##	2256	2256	33	9	79	94612	1	0.10	1	0
##	2257	2257	56	31	13	94305	4	0.90	2	76
##	2258	2258	47	23	130	91763	2	1.40	1	0
##	2259	2259	59	33	93	91320	2	0.70	2	0
##	2260	2260	24	0	82	90401	3	0.80	1	0
##	2261	2261	39	14	15	93561	2	0.30	2	92
##	2262	2262	30	3	150	94305	4	5.00	2	0
##	2263	2263	55	29	131	95070	2	0.70	2	0
##	2264	2264	47	21	28	92868	3	1.50	1	0
##	2265	2265	35	11	9	93106	4	0.70	2	0
##	2266	2266	47	23	88	94305	4	1.40	2	0
##	2267	2267	38	13	143	94550	1	4.10	1	0
##	2268	2268	38	13	168	92647	2	1.30	3	0
##	2269	2269	27	3	105	94304	1	3.00	2	0
##	2270	2270	42	18	62	94305	3	2.10	3	0
##	2271	2271	26	2	51	92103	4	2.60	1	0
##	2272	2272	60	34	101	94928	3	4.40	1	0
##	2273	2273	27	3	90	91365	3	0.80	1	0
##	2274	2274	27	1	83	91775	4	2.10	3	0
##	2275	2275	40	15	21	90034	2	0.00	3	0
##	2276	2276	40	16	115	94305	1	3.40	1	0
##	2277	2277	29	3	172	92093	4	4.40	1	0
##	2278	2278	30	6	32	91330	2	1.00	2	0
##	2279	2279	30	4	204	91107	2	4.50	1	0
##	2280	2280	47	23	34	91711	4	0.60	1	0
##	2281	2281	33	7	30	94920	2	2.00	3	132
##	2282	2282	57	32	31	95039	3	1.30	2	0
##	2283	2283	38	14	90	94110	2	2.70	1	0
##	2284	2284	54	28	79	92677	4	2.60	3	0
##	2285	2285	47	23	22	94901	4	0.60	1	0
##	2286	2286	48	22	114	92007	1	2.40	3	0
##	2287	2287	62	36	42	94122	1	0.50	3	128
##	2288	2288	30	6	29	92121	1	0.20	3	90
##	2289	2289	35	11	72	94706	3	2.60	2	0
##	2290	2290	59	35	68	93117	1	1.80	3	95
##	2291	2291	38	13	78	91942	4	0.70	3	0

##	2292	2292	47	23	90	95449	1	2.70	1	323
##	2293	2293	57	33	170	95051	2	2.10	2	0
##	2294	2294	42	17	14	91768	2	0.10	2	0
##	2295	2295	39	15	129	90035	2	1.90	1	0
##	2296	2296	53	23	39	92101	3	1.00	3	87
##	2297	2297	27	3	82	94305	2	0.20	1	0
##	2298	2298	59	35	31	94063	3	0.40	2	0
##	2299	2299	48	24	9	92630	4	0.50	2	0
##	2300	2300	62	37	15	94583	3	0.10	3	91
##	2301	2301	66	41	70	93711	3	2.20	1	0
##	2302	2302	38	13	84	93403	4	0.70	3	0
##	2303	2303	42	17	155	92806	1	7.00	1	0
##	2304	2304	47	21	89	94720	2	0.80	3	0
##	2305	2305	27	2	170	95818	3	4.70	1	0
##	2306	2306	32	7	185	92009	2	6.70	1	0
##	2307	2307	37	13	82	92373	2	2.20	1	0
##	2308	2308	56	31	60	92009	3	1.70	1	0
##	2309	2309	39	13	58	94590	2	2.40	2	0
##	2310	2310	36	12	29	94583	1	1.33	1	81
##	2311	2311	32	6	32	92806	2	0.30	1	0
##	2312	2312	62	37	115	90245	4	3.40	2	0
##	2313	2313	48	22	83	91345	2	2.40	2	0
##	2314	2314	58	32	54	94035	3	0.30	2	0
##	2315	2315	27	2	112	94501	4	1.80	3	0
##	2316	2316	52	26	182	95818	2	1.40	2	0
##	2317	2317	54	30	112	94920	2	6.80	1	0
##	2318	2318	31	5	129	95814	3	5.90	3	319
##	2319	2319	60	34	23	94803	1	0.80	2	112
##	2320	2320	34	9	198	95819	2	3.00	1	422
##	2321	2321	46	22	84	92692	4	2.00	3	0
##	2322	2322	41	15	39	91380	3	0.50	3	0
##	2323	2323	62	37	129	94143	1	1.30	1	0
##	2324	2324	31	7	113	94542	2	2.00	2	315
##	2325	2325	41	11	35	93107	1	0.75	3	114
##	2326	2326	55	30	85	94591	1	0.10	3	0
##	2327	2327	45	19	73	94086	4	2.90	1	0
##	2328	2328	51	25	70	90095	1	0.80	3	0
##	2329	2329	27	2	130	92182	3	4.40	1	192
##	2330	2330	30	4	39	94022	1	1.50	1	0
##	2331	2331	31	5	72	95133	4	1.80	2	242
##	2332	2332	61	37	68	90245	4	2.30	3	0
##	2333	2333	40	16	35	94022	1	1.40	3	0
##	2334	2334	45	21	61	95812	3	0.70	1	0
##	2335	2335	45	21	69	90025	4	1.90	1	0
##	2336	2336	37	13	59	93907	1	3.60	2	0
##	2337	2337	34	8	99	93460	2	4.50	3	217
##	2338	2338	43	16	201	95054	1	10.00	2	0
##	2339	2339	42	18	130	94611	2	7.50	1	0
##	2340	2340	56	31	72	90095	3	2.00	2	0
##	2341	2341	33	9	44	94112	1	1.20	1	0
##	2342	2342	36	10	91	92028	1	1.50	3	289
##	2343	2343	62	37	92	94608	3	0.50	1	310
##	2344	2344	58	34	55	90032	1	0.80	1	168
##	2345	2345	65	40	20	94608	3	0.50	1	102

##	2346	2346	65	40	89	90291	1	4.10	1	299
##	2347	2347	52	26	59	92660	2	1.50	2	239
##	2348	2348	64	39	8	92104	3	0.10	3	87
##	2349	2349	51	25	85	94015	4	4.90	1	0
##	2350	2350	59	35	94	94610	1	4.30	1	76
##	2351	2351	52	28	22	91711	2	0.40	1	0
##	2352	2352	55	31	74	94611	2	3.20	3	0
##	2353	2353	46	19	59	93555	3	2.67	2	0
##	2354	2354	61	36	12	93023	4	0.60	2	0
##	2355	2355	35	9	8	94043	1	0.40	2	0
##	2356	2356	56	31	74	94920	3	1.60	3	0
##	2357	2357	31	5	184	92064	4	3.40	2	0
##	2358	2358	44	19	34	95005	4	0.00	2	0
##	2359	2359	53	27	63	93109	2	0.80	3	0
##	2360	2360	36	12	123	95060	2	5.60	2	0
##	2361	2361	27	1	85	93302	2	1.60	3	0
##	2362	2362	36	12	109	94928	3	0.50	3	0
##	2363	2363	40	15	31	94720	1	0.60	3	0
##	2364	2364	39	13	61	90095	2	2.40	2	90
##	2365	2365	59	35	88	94923	2	1.60	1	0
##	2366	2366	43	18	22	91311	2	0.30	2	0
##	2367	2367	30	4	63	95008	4	2.20	2	0
##	2368	2368	26	1	80	95616	4	0.20	1	0
##	2369	2369	48	22	78	94588	3	2.10	1	0
##	2370	2370	50	24	45	94005	4	0.10	1	93
##	2371	2371	33	7	51	94040	4	2.10	3	0
##	2372	2372	32	6	111	95014	2	1.50	3	0
##	2373	2373	34	10	45	93943	3	2.80	1	153
##	2374	2374	33	9	184	94304	2	4.80	2	0
##	2375	2375	32	5	41	92008	2	1.00	2	112
##	2376	2376	55	30	69	91007	4	1.30	3	0
##	2377	2377	58	33	23	91768	3	0.20	1	0
##	2378	2378	47	23	160	92037	2	6.67	1	0
##	2379	2379	30	5	61	95605	1	0.80	2	251
##	2380	2380	42	18	110	94720	2	6.10	1	182
##	2381	2381	40	16	50	92606	2	0.60	3	0
##	2382	2382	33	9	49	94928	1	2.40	2	0
##	2383	2383	46	20	185	94131	4	7.50	2	428
##	2384	2384	63	39	52	90033	2	1.10	1	0
##	2385	2385	62	37	53	92028	2	2.80	1	0
##	2386	2386	43	17	125	94720	4	3.50	2	0
##	2387	2387	31	5	72	94542	3	1.60	1	0
##	2388	2388	28	2	51	94720	4	1.80	3	0
##	2389	2389	64	39	23	91768	3	0.50	1	0
##	2390	2390	27	1	41	90033	1	1.90	3	0
##	2391	2391	33	9	41	95814	3	2.00	1	108
##	2392	2392	39	12	138	92697	1	4.67	2	0
##	2393	2393	44	20	138	94143	2	3.30	1	0
##	2394	2394	53	28	14	94005	4	0.80	1	0
##	2395	2395	42	18	145	94065	2	8.00	1	505
##	2396	2396	44	17	25	95064	3	1.00	2	0
##	2397	2397	34	10	43	95014	1	1.70	1	142
##	2398	2398	47	22	93	90266	1	0.20	2	309
##	2399	2399	53	29	90	95053	2	0.30	1	217

##	2400	2400	62	36	41	90245	2	1.00	3	154
##	2401	2401	61	36	169	91380	2	6.10	3	106
##	2402	2402	42	17	63	95814	2	2.20	3	0
##	2403	2403	48	21	23	94720	3	0.67	2	95
##	2404	2404	38	13	140	90210	4	0.50	1	0
##	2405	2405	41	15	75	95010	1	1.50	3	0
##	2406	2406	57	32	13	94588	4	0.90	2	78
##	2407	2407	31	7	10	92354	1	0.50	3	81
##	2408	2408	39	15	100	94720	1	0.80	2	0
##	2409	2409	48	22	85	94105	3	1.10	1	203
##	2410	2410	55	31	73	95207	3	2.67	1	219
##	2411	2411	29	4	130	92630	2	6.70	1	0
##	2412	2412	47	22	65	91330	3	2.70	2	0
##	2413	2413	61	36	59	93118	4	1.70	1	148
##	2414	2414	60	34	31	91007	2	1.00	3	0
##	2415	2415	34	10	134	91775	1	4.00	1	0
##	2416	2416	45	21	11	94143	4	0.20	1	106
##	2417	2417	60	35	32	93611	1	0.30	3	80
##	2418	2418	25	0	53	90095	2	1.60	3	0
##	2419	2419	41	17	28	95616	1	0.70	1	0
##	2420	2420	63	37	44	94550	2	1.00	3	0
##	2421	2421	63	39	40	91304	1	0.80	1	118
##	2422	2422	43	19	40	94949	3	0.60	2	0
##	2423	2423	58	32	163	95014	2	0.50	1	400
##	2424	2424	50	25	82	91335	1	1.30	3	0
##	2425	2425	38	12	89	94583	4	1.40	2	0
##	2426	2426	54	30	78	92507	4	1.60	2	0
##	2427	2427	61	36	55	94132	3	0.90	3	197
##	2428	2428	29	5	34	92675	4	0.40	2	0
##	2429	2429	39	12	108	92717	4	3.67	2	301
##	2430	2430	33	7	58	95616	4	2.20	2	0
##	2431	2431	23	-1	73	92120	4	2.60	1	0
##	2432	2432	56	31	54	91380	4	2.10	1	0
##	2433	2433	54	30	45	92182	4	0.90	2	0
##	2434	2434	37	11	123	94720	1	2.30	2	0
##	2435	2435	38	12	93	95616	1	5.20	1	267
##	2436	2436	34	9	102	92115	4	2.20	2	0
##	2437	2437	53	29	39	92626	3	1.50	1	0
##	2438	2438	65	40	114	94608	4	3.40	2	0
##	2439	2439	62	37	29	91030	1	0.30	3	0
##	2440	2440	51	25	30	91116	3	0.60	2	144
##	2441	2441	31	5	22	91401	1	0.60	3	0
##	2442	2442	64	38	38	94305	2	0.30	1	186
##	2443	2443	39	15	41	90028	2	1.70	1	0
##	2444	2444	28	3	161	92646	4	1.70	3	422
##	2445	2445	60	35	38	94701	3	0.50	2	0
##	2446	2446	47	23	25	93106	1	0.90	3	0
##	2447	2447	25	1	70	93010	4	2.60	1	218
##	2448	2448	44	19	201	95819	2	8.80	1	0
##	2449	2449	51	26	42	92103	2	0.60	3	0
##	2450	2450	31	7	64	94720	1	1.20	1	0
##	2451	2451	32	7	28	90034	4	1.10	3	0
##	2452	2452	51	25	119	93940	1	4.90	1	208
##	2453	2453	25	1	28	94596	1	1.00	3	0

##	2454	2454	43	19	60	94104	3	2.10	3	0
##	2455	2455	54	29	23	93955	1	1.50	2	0
##	2456	2456	34	8	164	94720	4	7.40	3	0
##	2457	2457	54	30	39	95211	2	0.80	1	0
##	2458	2458	42	17	19	92115	2	0.00	3	85
##	2459	2459	46	20	72	93108	2	0.80	3	0
##	2460	2460	62	37	41	95060	3	0.90	3	0
##	2461	2461	31	5	32	92123	2	0.30	2	130
##	2462	2462	30	5	69	94302	1	0.80	2	0
##	2463	2463	52	28	23	95828	3	0.40	1	0
##	2464	2464	35	9	44	92009	4	0.20	1	0
##	2465	2465	60	36	32	92407	3	0.40	2	165
##	2466	2466	58	34	25	90059	2	0.30	1	123
##	2467	2467	24	-2	80	94105	2	1.60	3	0
##	2468	2468	40	16	83	92350	1	0.80	2	230
##	2469	2469	49	23	133	94304	1	7.30	1	0
##	2470	2470	43	18	89	92780	1	0.10	2	307
##	2471	2471	33	7	81	92122	2	4.50	3	187
##	2472	2472	36	11	44	91040	2	1.10	2	85
##	2473	2473	62	36	119	94720	2	2.00	1	0
##	2474	2474	57	32	39	92182	4	0.90	1	147
##	2475	2475	64	38	40	92122	2	1.00	3	0
##	2476	2476	52	26	79	95817	3	0.80	1	183
##	2477	2477	54	28	30	95616	4	0.70	2	0
##	2478	2478	40	14	179	90025	1	2.60	3	0
##	2479	2479	30	5	178	94063	2	6.70	1	0
##	2480	2480	55	30	82	94720	4	3.80	2	0
##	2481	2481	39	13	50	91768	2	2.40	2	0
##	2482	2482	55	30	64	94306	2	1.90	2	0
##	2483	2483	28	4	129	92115	1	1.50	1	0
##	2484	2484	44	18	68	93943	4	2.90	1	0
##	2485	2485	46	21	30	92697	1	1.40	3	112
##	2486	2486	61	36	48	94025	3	1.50	1	0
##	2487	2487	61	36	130	92717	1	1.30	1	257
##	2488	2488	45	20	40	92886	1	0.50	3	0
##	2489	2489	38	14	105	94708	2	1.90	1	0
##	2490	2490	29	3	41	92626	4	0.20	1	0
##	2491	2491	52	28	168	90404	3	6.50	3	118
##	2492	2492	38	14	80	92868	2	2.70	1	0
##	2493	2493	28	3	134	96091	2	3.10	1	0
##	2494	2494	34	9	49	94025	1	2.50	3	0
##	2495	2495	35	9	63	92697	2	1.80	1	0
##	2496	2496	46	22	70	94701	4	1.90	1	212
##	2497	2497	63	37	32	93117	3	0.70	2	141
##	2498	2498	33	9	14	95133	3	0.90	3	114
##	2499	2499	38	14	111	92028	2	6.10	1	326
##	2500	2500	53	27	38	94105	4	2.80	2	144
##	2501	2501	28	2	121	92096	2	2.00	1	341
##	2502	2502	44	18	90	95616	4	2.60	3	0
##	2503	2503	58	31	178	92009	2	6.00	2	0
##	2504	2504	38	14	20	94024	4	0.40	2	79
##	2505	2505	48	24	61	91380	2	1.70	1	229
##	2506	2506	33	7	43	96064	4	0.80	1	0
##	2507	2507	66	42	39	94590	1	1.90	2	0

##	2508	2508	59	34	60	90048	4	2.10	1	234
##	2509	2509	40	15	63	93407	3	3.00	1	0
##	2510	2510	36	11	8	93401	4	0.20	3	81
##	2511	2511	62	38	52	95616	4	1.30	2	0
##	2512	2512	51	27	92	92121	4	3.00	1	0
##	2513	2513	58	32	111	90212	2	1.40	1	298
##	2514	2514	52	26	71	92037	1	1.40	3	0
##	2515	2515	41	16	25	92182	2	0.10	2	91
##	2516	2516	31	5	34	94558	1	1.90	3	156
##	2517	2517	28	3	74	94720	3	2.60	3	0
##	2518	2518	57	31	120	95616	2	2.00	1	0
##	2519	2519	61	37	50	95125	4	1.30	2	0
##	2520	2520	60	36	10	92121	2	1.00	1	0
##	2521	2521	56	29	45	90095	4	2.50	2	113
##	2522	2522	49	23	29	94551	4	1.80	1	0
##	2523	2523	63	37	145	94025	2	6.90	1	0
##	2524	2524	49	23	100	95403	2	6.30	1	0
##	2525	2525	49	25	24	95678	3	0.40	1	0
##	2526	2526	32	8	60	95816	1	1.20	1	0
##	2527	2527	26	1	50	95616	4	0.60	2	0
##	2528	2528	27	1	43	95120	3	1.10	2	0
##	2529	2529	57	31	79	91335	3	4.40	1	0
##	2530	2530	29	5	44	95819	3	0.10	2	0
##	2531	2531	56	30	31	90024	4	1.50	3	0
##	2532	2532	59	35	14	94305	2	1.00	1	107
##	2533	2533	53	28	19	94608	4	0.80	1	106
##	2534	2534	54	29	111	93023	1	1.10	2	0
##	2535	2535	56	30	90	94402	1	1.90	2	0
##	2536	2536	50	25	21	90274	2	0.70	3	129
##	2537	2537	51	25	104	94949	1	4.20	2	0
##	2538	2538	53	27	75	94303	1	1.90	2	0
##	2539	2539	37	12	175	92037	2	7.80	1	297
##	2540	2540	32	7	98	95929	1	4.20	1	171
##	2541	2541	49	23	41	95521	4	0.10	1	153
##	2542	2542	34	8	171	90212	2	2.20	2	569
##	2543	2543	54	30	79	92630	4	1.60	2	0
##	2544	2544	64	39	24	94117	4	0.60	2	0
##	2545	2545	58	34	90	95039	1	3.60	2	0
##	2546	2546	25	-1	39	94720	3	2.40	2	0
##	2547	2547	50	25	9	91911	2	0.00	1	0
##	2548	2548	38	13	15	90245	2	0.10	2	90
##	2549	2549	48	24	80	91343	1	2.70	1	0
##	2550	2550	41	15	63	95060	1	0.70	3	79
##	2551	2551	32	8	20	93106	1	0.50	3	102
##	2552	2552	46	22	43	92120	2	2.10	3	0
##	2553	2553	39	15	65	95822	1	1.50	3	0
##	2554	2554	39	15	91	93907	2	1.70	2	151
##	2555	2555	63	39	53	93940	1	0.80	1	0
##	2556	2556	58	32	110	94143	3	1.70	2	0
##	2557	2557	28	4	82	92831	3	1.50	1	103
##	2558	2558	36	11	23	94553	4	0.20	3	0
##	2559	2559	43	19	172	95136	2	6.67	1	0
##	2560	2560	36	12	88	90212	2	2.70	1	0
##	2561	2561	44	18	71	93943	2	0.80	3	0

##	2562	2562	31	5	180	94720	1	2.90	3	144
##	2563	2563	45	21	39	92521	2	2.10	3	184
##	2564	2564	39	13	94	90401	1	1.50	3	0
##	2565	2565	43	16	25	94126	3	1.00	2	0
##	2566	2566	40	15	10	94708	2	0.00	3	102
##	2567	2567	30	5	42	94305	1	1.00	1	184
##	2568	2568	58	33	142	92333	2	3.90	1	0
##	2569	2569	46	21	34	92373	2	1.30	1	0
##	2570	2570	35	10	139	90024	1	4.60	1	0
##	2571	2571	30	4	154	95621	2	4.50	1	207
##	2572	2572	34	8	40	91768	2	2.00	3	89
##	2573	2573	62	32	33	93907	1	1.50	3	140
##	2574	2574	58	34	80	90095	2	1.60	1	0
##	2575	2575	45	18	10	92037	3	0.67	2	100
##	2576	2576	42	16	41	90401	3	0.50	3	0
##	2577	2577	60	36	30	93711	4	1.30	1	118
##	2578	2578	55	29	78	95521	1	0.80	3	190
##	2579	2579	45	21	164	90638	1	5.00	1	0
##	2580	2580	52	27	23	92780	1	0.40	3	0
##	2581	2581	31	7	149	92624	1	6.00	1	0
##	2582	2582	60	34	25	94132	4	0.70	3	0
##	2583	2583	33	9	42	95010	1	2.10	3	0
##	2584	2584	37	11	71	91302	1	2.50	1	185
##	2585	2585	59	34	114	94606	3	4.20	2	0
##	2586	2586	51	26	70	91320	1	2.80	2	0
##	2587	2587	47	23	149	92675	4	6.10	1	0
##	2588	2588	60	33	55	94998	4	2.50	2	0
##	2589	2589	61	36	29	93065	1	1.30	1	0
##	2590	2590	64	40	123	90840	1	3.80	1	0
##	2591	2591	46	20	152	95814	1	7.40	3	374
##	2592	2592	31	7	8	95131	4	0.70	2	0
##	2593	2593	57	32	69	94710	4	0.70	1	245
##	2594	2594	48	23	161	96003	4	7.90	3	310
##	2595	2595	48	23	79	94024	1	0.20	2	0
##	2596	2596	35	10	105	92780	1	4.60	1	0
##	2597	2597	33	8	39	95032	3	2.30	1	0
##	2598	2598	47	23	163	92653	1	5.00	1	0
##	2599	2599	46	20	9	94005	1	0.20	1	0
##	2600	2600	44	20	71	91006	4	2.00	3	0
##	2601	2601	42	18	51	92868	3	2.10	3	0
##	2602	2602	50	24	32	90277	1	1.40	3	167
##	2603	2603	52	26	161	93108	4	4.30	1	0
##	2604	2604	53	27	60	90049	1	0.20	1	0
##	2605	2605	37	10	35	92521	4	1.00	2	0
##	2606	2606	64	40	41	94305	4	1.20	2	0
##	2607	2607	46	22	73	92648	2	1.70	1	216
##	2608	2608	57	33	49	94305	4	1.50	1	214
##	2609	2609	61	35	79	94024	2	2.00	1	194
##	2610	2610	42	18	120	93407	2	7.50	1	0
##	2611	2611	40	16	60	94501	2	3.20	1	0
##	2612	2612	33	8	78	95051	3	0.60	2	0
##	2613	2613	50	26	40	95138	4	1.10	2	131
##	2614	2614	52	26	110	94501	2	5.40	3	204
##	2615	2615	35	11	160	92093	4	5.70	3	0

##	2616	2616	57	32	68	94542	4	0.70	1	191
##	2617	2617	56	31	49	92182	2	1.60	3	103
##	2618	2618	44	20	65	92037	2	2.50	1	0
##	2619	2619	23	-3	55	92704	3	2.40	2	145
##	2620	2620	33	8	62	92093	3	2.30	1	98
##	2621	2621	48	22	152	95616	1	0.00	1	0
##	2622	2622	45	18	42	95126	3	2.50	2	0
##	2623	2623	54	28	39	90245	4	0.70	2	0
##	2624	2624	42	17	111	94304	3	3.00	1	0
##	2625	2625	47	21	82	94109	3	2.10	1	0
##	2626	2626	61	36	108	93943	4	3.40	2	0
##	2627	2627	53	27	59	92038	2	0.80	3	0
##	2628	2628	56	30	61	93106	3	2.50	1	193
##	2629	2629	33	6	78	95819	4	2.00	2	0
##	2630	2630	44	18	18	93943	2	0.10	3	0
##	2631	2631	63	37	113	94611	4	1.70	3	0
##	2632	2632	47	20	62	92521	1	2.67	2	0
##	2633	2633	50	24	81	94720	1	4.90	1	248
##	2634	2634	49	25	13	95054	3	0.40	1	106
##	2635	2635	34	9	75	94303	1	2.80	1	194
##	2636	2636	40	14	33	95616	2	0.80	3	89
##	2637	2637	38	13	179	93943	1	4.10	1	0
##	2638	2638	51	26	69	94005	3	2.00	2	0
##	2639	2639	28	4	45	94025	1	1.00	3	0
##	2640	2640	52	26	59	95762	3	3.00	2	0
##	2641	2641	39	13	81	94309	2	2.80	1	0
##	2642	2642	29	5	133	90095	1	5.40	1	212
##	2643	2643	54	29	81	92096	2	0.00	3	0
##	2644	2644	63	38	14	92630	4	0.40	2	86
##	2645	2645	40	14	28	94061	2	0.80	3	0
##	2646	2646	36	12	93	95125	2	2.20	1	0
##	2647	2647	45	20	191	92007	3	2.60	3	123
##	2648	2648	61	37	155	91605	1	2.90	1	0
##	2649	2649	26	0	155	93105	2	7.20	1	0
##	2650	2650	33	8	68	92407	4	1.30	1	0
##	2651	2651	64	40	52	95060	2	1.10	1	226
##	2652	2652	43	17	51	94025	1	0.70	3	0
##	2653	2653	24	0	44	90089	4	1.60	1	180
##	2654	2654	30	5	121	94555	2	3.10	1	408
##	2655	2655	60	36	49	94965	4	2.20	1	204
##	2656	2656	50	26	42	91784	2	1.00	3	78
##	2657	2657	40	15	144	91040	1	4.10	1	0
##	2658	2658	31	6	72	94583	1	2.60	2	0
##	2659	2659	30	4	44	94304	1	1.50	1	109
##	2660	2660	60	35	43	91763	3	0.90	3	175
##	2661	2661	39	14	74	93063	1	0.10	2	144
##	2662	2662	66	41	145	90009	1	2.50	1	0
##	2663	2663	65	41	158	92346	2	2.10	1	0
##	2664	2664	54	28	78	91311	4	4.90	1	0
##	2665	2665	54	29	154	95014	1	2.40	2	352
##	2666	2666	35	9	105	90064	2	4.50	3	0
##	2667	2667	32	7	100	92126	3	0.60	2	0
##	2668	2668	63	39	58	94112	1	0.00	2	0
##	2669	2669	60	35	113	94507	1	0.90	1	406

##	2670	2670	43	18	10	91902	2	0.10	2	0
##	2671	2671	59	33	142	94080	2	2.70	1	0
##	2672	2672	62	37	128	92093	1	2.50	1	0
##	2673	2673	30	5	131	92068	3	0.50	3	0
##	2674	2674	54	30	88	92647	4	1.00	2	122
##	2675	2675	30	6	101	90245	2	0.60	1	0
##	2676	2676	31	1	70	92115	2	1.75	3	0
##	2677	2677	44	20	122	91765	1	0.30	1	0
##	2678	2678	32	8	70	91423	3	1.50	1	0
##	2679	2679	63	38	148	93023	2	4.30	3	0
##	2680	2680	57	32	43	92704	2	2.10	3	166
##	2681	2681	60	30	31	95060	1	1.50	3	0
##	2682	2682	37	11	35	94609	2	0.80	3	0
##	2683	2683	53	27	81	90032	4	2.60	3	0
##	2684	2684	51	25	19	95812	1	1.40	3	98
##	2685	2685	30	5	98	92028	4	1.80	3	129
##	2686	2686	28	2	101	90280	4	2.10	3	0
##	2687	2687	50	24	81	95053	2	0.40	3	0
##	2688	2688	52	27	135	93561	1	0.60	1	452
##	2689	2689	56	30	34	94542	2	0.70	2	0
##	2690	2690	40	16	104	91730	1	3.40	1	249
##	2691	2691	64	38	29	90245	3	0.70	2	0
##	2692	2692	61	36	119	95064	2	5.40	2	0
##	2693	2693	46	20	82	90230	2	1.70	2	0
##	2694	2694	55	29	62	90089	1	0.20	1	0
##	2695	2695	45	19	85	94720	3	2.10	1	0
##	2696	2696	40	15	8	94960	2	0.10	2	0
##	2697	2697	63	37	78	91711	4	1.70	3	0
##	2698	2698	57	32	44	93407	3	0.50	2	0
##	2699	2699	38	14	122	95819	2	8.00	1	0
##	2700	2700	37	11	22	90035	3	0.10	2	114
##	2701	2701	31	5	39	94590	4	2.20	2	0
##	2702	2702	50	26	55	94305	1	1.60	2	0
##	2703	2703	42	18	144	94063	2	6.10	1	158
##	2704	2704	51	27	71	92521	1	2.60	2	0
##	2705	2705	38	13	191	91710	2	3.00	1	0
##	2706	2706	53	26	22	92831	1	0.50	2	100
##	2707	2707	43	17	158	90740	1	2.40	1	0
##	2708	2708	35	9	131	90089	3	0.30	3	0
##	2709	2709	49	24	75	95670	1	2.80	2	160
##	2710	2710	28	4	69	94305	3	0.70	2	170
##	2711	2711	51	27	39	94304	2	0.80	1	0
##	2712	2712	39	14	34	94939	4	1.70	1	0
##	2713	2713	31	7	32	91320	1	1.70	1	0
##	2714	2714	44	18	129	92028	1	5.70	1	0
##	2715	2715	46	20	158	92870	3	5.40	1	432
##	2716	2716	42	18	54	90089	1	1.80	1	0
##	2717	2717	41	17	34	92182	1	2.00	2	0
##	2718	2718	23	-2	45	95422	4	0.60	2	0
##	2719	2719	59	33	68	95064	2	2.30	3	0
##	2720	2720	47	21	53	95929	1	1.50	2	0
##	2721	2721	48	23	32	93302	1	0.10	1	0
##	2722	2722	58	33	173	92121	2	7.20	3	0
##	2723	2723	58	34	31	92126	4	0.40	1	0

##	2724	2724	54	29	72	94558	2	3.70	1	144
##	2725	2725	49	24	30	90212	4	0.40	2	157
##	2726	2726	63	38	138	92675	1	2.50	1	0
##	2727	2727	62	37	18	92028	1	1.50	2	127
##	2728	2728	45	19	69	90840	1	2.80	1	220
##	2729	2729	39	13	58	94555	3	2.10	1	247
##	2730	2730	58	34	63	90007	4	1.50	1	0
##	2731	2731	56	30	43	90401	2	0.30	1	0
##	2732	2732	29	5	28	96651	1	0.20	3	0
##	2733	2733	33	9	38	93106	1	2.10	3	133
##	2734	2734	55	29	72	93107	3	0.30	2	147
##	2735	2735	56	31	64	94126	4	0.90	1	0
##	2736	2736	36	12	70	92131	3	2.60	2	165
##	2737	2737	53	29	12	95621	1	0.30	1	0
##	2738	2738	57	31	159	94577	2	0.50	1	0
##	2739	2739	35	9	103	95120	2	4.50	3	0
##	2740	2740	43	18	42	91330	1	0.30	3	0
##	2741	2741	54	29	48	92182	2	2.10	3	142
##	2742	2742	29	3	49	90266	1	1.50	1	0
##	2743	2743	39	14	89	95762	2	0.40	1	0
##	2744	2744	32	8	22	94583	4	0.70	2	0
##	2745	2745	51	27	10	92121	2	0.20	1	86
##	2746	2746	50	25	38	95616	1	1.30	2	120
##	2747	2747	54	29	49	92703	2	2.10	3	95
##	2748	2748	38	12	30	91765	2	1.40	3	0
##	2749	2749	32	7	82	94305	1	2.60	2	240
##	2750	2750	62	37	82	94086	1	0.80	3	312
##	2751	2751	57	33	24	94501	1	0.10	2	0
##	2752	2752	47	23	32	92251	4	0.60	1	156
##	2753	2753	51	25	34	95819	3	0.90	3	111
##	2754	2754	54	27	195	93117	2	4.75	2	477
##	2755	2755	26	1	61	93943	4	2.20	1	119
##	2756	2756	37	11	22	93711	3	0.10	2	0
##	2757	2757	27	0	40	91301	4	1.00	3	0
##	2758	2758	63	38	50	93943	2	2.80	1	205
##	2759	2759	62	36	35	94501	2	0.70	3	0
##	2760	2760	59	33	64	95617	3	0.30	2	0
##	2761	2761	32	7	49	94080	3	2.30	1	0
##	2762	2762	35	8	44	95045	4	1.00	2	192
##	2763	2763	56	31	65	93403	2	3.70	1	0
##	2764	2764	55	31	13	93943	4	0.70	1	0
##	2765	2765	31	5	84	91320	1	2.90	3	105
##	2766	2766	54	29	28	92093	4	0.20	2	101
##	2767	2767	58	32	108	95123	3	4.40	1	0
##	2768	2768	48	24	59	90401	1	0.00	1	144
##	2769	2769	48	22	163	95819	1	2.40	1	396
##	2770	2770	33	9	183	91320	2	8.80	3	582
##	2771	2771	36	6	69	90024	4	4.00	3	0
##	2772	2772	41	16	115	92333	1	7.00	1	0
##	2773	2773	55	31	130	92646	4	6.50	1	0
##	2774	2774	63	37	185	94309	2	7.90	2	358
##	2775	2775	53	29	118	94066	2	0.30	1	0
##	2776	2776	38	13	163	95039	1	4.10	1	0
##	2777	2777	46	20	140	93106	2	6.30	1	380

##	2778	2778	59	33	91	94122	2	0.70	2	0
##	2779	2779	56	31	61	92646	4	1.30	3	0
##	2780	2780	59	35	168	95521	4	4.10	2	0
##	2781	2781	39	13	69	90630	3	0.90	2	0
##	2782	2782	47	21	22	92037	1	0.20	1	104
##	2783	2783	47	22	53	92691	1	0.30	1	213
##	2784	2784	53	26	25	92123	2	1.00	2	0
##	2785	2785	36	9	115	91765	4	2.20	2	0
##	2786	2786	34	9	31	92521	4	1.10	3	85
##	2787	2787	36	10	83	94705	1	2.80	3	0
##	2788	2788	60	34	152	92807	2	6.90	1	0
##	2789	2789	45	20	30	96003	1	0.10	1	0
##	2790	2790	27	3	34	90065	1	0.20	3	0
##	2791	2791	47	22	44	95821	1	1.40	3	0
##	2792	2792	44	20	182	94710	2	7.60	1	0
##	2793	2793	54	30	44	95616	3	1.50	1	117
##	2794	2794	57	33	122	94301	2	6.00	1	153
##	2795	2795	52	26	35	94550	4	1.80	1	0
##	2796	2796	51	25	91	92407	1	0.80	3	0
##	2797	2797	57	32	30	94024	2	2.00	2	0
##	2798	2798	65	39	53	94608	1	2.50	3	0
##	2799	2799	58	33	28	94720	1	0.30	3	0
##	2800	2800	64	39	85	94720	4	3.40	2	200
##	2801	2801	52	26	28	93907	2	0.70	2	90
##	2802	2802	58	34	41	91016	4	0.40	1	177
##	2803	2803	52	22	154	90650	1	5.00	3	0
##	2804	2804	43	18	41	92831	1	0.30	3	0
##	2805	2805	56	32	33	95014	3	1.50	1	0
##	2806	2806	37	12	182	94523	3	5.80	3	0
##	2807	2807	53	27	59	90740	2	0.80	3	0
##	2808	2808	27	2	129	90009	2	3.30	1	0
##	2809	2809	53	27	35	94583	3	0.90	3	136
##	2810	2810	42	16	185	94705	3	2.20	2	0
##	2811	2811	58	34	45	93943	4	1.30	2	201
##	2812	2812	36	12	62	94065	4	0.10	2	145
##	2813	2813	53	28	183	96008	3	8.20	3	467
##	2814	2814	48	22	14	94303	2	0.10	3	0
##	2815	2815	54	28	53	94002	1	2.20	3	0
##	2816	2816	26	1	48	94019	3	2.60	3	169
##	2817	2817	50	26	128	92780	2	0.40	1	0
##	2818	2818	31	7	105	94025	1	4.00	1	331
##	2819	2819	35	9	40	93943	3	0.90	1	0
##	2820	2820	63	37	10	90095	2	0.40	1	0
##	2821	2821	29	4	102	90245	2	3.30	1	303
##	2822	2822	57	32	31	94143	3	0.10	2	0
##	2823	2823	30	5	30	90245	4	0.80	1	158
##	2824	2824	33	7	21	90095	1	0.60	3	0
##	2825	2825	62	36	44	92867	2	0.30	1	0
##	2826	2826	35	10	48	95060	1	2.50	3	164
##	2827	2827	37	11	21	94604	3	0.20	2	0
##	2828	2828	37	11	84	90266	4	2.20	2	0
##	2829	2829	35	10	64	94306	3	0.70	2	230
##	2830	2830	35	9	82	94720	1	2.50	1	138
##	2831	2831	59	35	39	95616	4	1.30	1	0

##	2832	2832	53	27	45	90405	2	0.80	3	0
##	2833	2833	45	21	133	92056	4	5.70	3	0
##	2834	2834	46	22	152	90009	2	1.40	1	0
##	2835	2835	40	16	12	90033	1	1.00	1	91
##	2836	2836	42	16	32	94112	3	1.50	1	149
##	2837	2837	25	1	74	94085	4	2.60	1	204
##	2838	2838	39	14	54	92037	2	1.10	2	159
##	2839	2839	30	6	181	94542	3	4.10	2	0
##	2840	2840	58	33	75	90034	2	0.00	3	0
##	2841	2841	41	15	95	91101	3	0.10	1	240
##	2842	2842	37	11	190	94305	4	7.30	2	565
##	2843	2843	36	11	90	94709	1	2.80	1	0
##	2844	2844	27	3	20	95616	4	1.00	1	134
##	2845	2845	60	34	64	95014	3	2.20	3	0
##	2846	2846	62	36	85	90019	2	1.70	3	98
##	2847	2847	67	43	105	93711	4	1.70	2	0
##	2848	2848	44	18	21	90840	1	0.20	1	0
##	2849	2849	24	-1	78	94720	2	1.80	2	0
##	2850	2850	45	21	158	94085	2	6.67	1	132
##	2851	2851	58	34	125	94720	1	4.30	1	219
##	2852	2852	61	36	81	95449	3	1.80	2	0
##	2853	2853	54	29	183	93105	1	8.10	1	0
##	2854	2854	28	3	54	94550	4	0.60	2	0
##	2855	2855	49	24	79	94025	4	3.60	3	212
##	2856	2856	35	11	38	91706	1	1.50	2	136
##	2857	2857	36	10	172	94704	4	1.00	2	295
##	2858	2858	34	8	184	93106	3	7.50	1	0
##	2859	2859	36	11	158	95054	2	7.80	1	114
##	2860	2860	35	11	188	94596	1	0.90	3	282
##	2861	2861	27	2	20	95064	4	0.50	3	0
##	2862	2862	42	18	60	92677	4	0.20	3	151
##	2863	2863	65	39	113	92096	4	2.40	3	0
##	2864	2864	29	5	70	93101	4	0.00	1	0
##	2865	2865	65	41	84	95762	2	0.00	3	0
##	2866	2866	59	33	23	94002	2	0.20	3	0
##	2867	2867	46	22	141	90089	2	3.30	1	0
##	2868	2868	59	33	110	90007	3	4.40	1	264
##	2869	2869	52	26	31	94923	4	1.80	1	0
##	2870	2870	60	35	22	92660	1	1.30	1	80
##	2871	2871	43	17	91	95134	1	5.20	1	0
##	2872	2872	65	39	82	94131	4	2.40	3	252
##	2873	2873	50	26	23	92630	1	0.30	1	0
##	2874	2874	48	23	35	93943	1	0.10	1	0
##	2875	2875	49	25	114	91380	1	2.50	3	0
##	2876	2876	58	33	18	94402	3	0.10	2	0
##	2877	2877	24	-2	80	91107	2	1.60	3	238
##	2878	2878	58	32	74	95817	2	2.30	3	0
##	2879	2879	45	19	122	94590	4	4.10	2	0
##	2880	2880	42	15	73	94545	3	2.33	2	0
##	2881	2881	64	40	40	96064	2	1.10	1	0
##	2882	2882	49	25	55	92103	4	0.10	3	0
##	2883	2883	55	31	69	90089	1	2.70	2	0
##	2884	2884	40	14	92	90024	4	1.40	2	0
##	2885	2885	28	2	48	93943	4	2.10	3	0

##	2886	2886	57	31	113	91711	4	0.60	3	327
##	2887	2887	50	25	58	93940	1	1.30	2	0
##	2888	2888	40	16	109	94025	2	2.20	1	0
##	2889	2889	55	28	39	94542	3	1.00	2	0
##	2890	2890	53	29	33	94591	3	1.90	2	144
##	2891	2891	48	24	18	94304	4	0.20	1	0
##	2892	2892	59	33	63	90044	1	1.60	1	0
##	2893	2893	58	32	43	92093	1	2.80	2	0
##	2894	2894	38	14	70	94022	4	2.00	3	0
##	2895	2895	49	25	19	94545	1	0.90	3	0
##	2896	2896	60	36	39	94501	4	1.30	2	140
##	2897	2897	54	28	81	94720	3	0.80	1	0
##	2898	2898	28	2	34	92161	4	1.30	3	0
##	2899	2899	27	1	140	91711	1	5.90	2	175
##	2900	2900	42	18	114	94305	1	0.30	1	0
##	2901	2901	52	28	55	91320	2	3.20	3	151
##	2902	2902	54	30	21	95351	1	0.10	2	76
##	2903	2903	56	30	50	94022	4	2.80	2	0
##	2904	2904	58	34	41	95833	3	1.50	1	0
##	2905	2905	56	32	190	90032	3	2.20	1	0
##	2906	2906	64	40	8	94110	2	0.30	3	0
##	2907	2907	35	8	55	92870	2	1.67	2	0
##	2908	2908	45	20	40	91763	2	1.30	1	0
##	2909	2909	57	32	22	95616	3	0.10	2	0
##	2910	2910	35	8	44	94590	2	1.67	2	0
##	2911	2911	46	22	102	95039	3	4.50	3	0
##	2912	2912	30	4	54	93033	4	1.80	3	235
##	2913	2913	44	20	130	90291	4	3.20	2	0
##	2914	2914	39	12	75	94501	3	2.33	2	0
##	2915	2915	42	18	42	95929	2	1.70	1	0
##	2916	2916	34	9	133	92110	1	3.80	1	0
##	2917	2917	46	20	40	92037	1	1.20	2	0
##	2918	2918	55	31	34	94305	3	1.50	1	101
##	2919	2919	28	3	142	93727	1	0.80	1	0
##	2920	2920	35	10	64	94542	3	2.30	1	0
##	2921	2921	60	35	44	94720	2	1.60	3	170
##	2922	2922	50	24	95	91401	1	0.30	1	262
##	2923	2923	52	26	49	90011	1	1.40	3	0
##	2924	2924	51	27	12	91007	2	0.20	1	0
##	2925	2925	51	26	98	90024	1	1.30	3	0
##	2926	2926	59	35	42	91711	4	0.40	1	0
##	2927	2927	53	28	44	92152	2	0.60	3	0
##	2928	2928	43	17	124	94117	1	5.20	1	0
##	2929	2929	31	6	175	95005	2	6.70	1	0
##	2930	2930	32	6	22	94061	4	0.30	1	0
##	2931	2931	41	17	78	95929	4	2.67	1	99
##	2932	2932	31	4	54	91741	2	1.00	2	109
##	2933	2933	41	16	154	92407	1	7.00	1	0
##	2934	2934	47	22	42	95820	3	2.70	2	0
##	2935	2935	37	13	195	91763	2	6.50	1	635
##	2936	2936	53	23	80	93023	1	3.00	3	0
##	2937	2937	49	22	81	94301	3	2.00	2	0
##	2938	2938	62	36	89	94022	2	2.00	1	0
##	2939	2939	33	9	61	93943	3	2.60	2	0

##	2940	2940	54	24	25	90016	4	0.40	3	0
##	2941	2941	27	3	43	90245	3	0.10	2	163
##	2942	2942	60	35	122	92606	1	2.60	1	352
##	2943	2943	29	5	160	90405	1	4.30	1	385
##	2944	2944	56	32	83	91320	4	1.60	2	0
##	2945	2945	55	30	79	92182	2	0.00	3	0
##	2946	2946	45	19	30	94305	3	0.50	2	0
##	2947	2947	33	9	145	94110	1	4.30	1	437
##	2948	2948	45	21	151	90024	2	3.30	1	328
##	2949	2949	44	18	14	94720	2	0.10	3	98
##	2950	2950	37	11	19	95054	3	0.20	2	0
##	2951	2951	42	16	55	95820	1	0.70	3	135
##	2952	2952	26	2	132	94720	2	2.40	3	0
##	2953	2953	33	8	182	94065	1	8.60	1	0
##	2954	2954	61	36	78	91330	3	0.50	1	0
##	2955	2955	31	7	42	95822	1	2.40	2	0
##	2956	2956	54	29	44	95518	2	2.30	3	187
##	2957	2957	62	38	195	91125	4	5.20	3	522
##	2958	2958	61	36	53	92717	3	0.50	2	0
##	2959	2959	66	41	65	92612	3	2.40	1	0
##	2960	2960	38	12	43	94305	4	0.20	1	0
##	2961	2961	55	29	38	90035	4	1.50	3	0
##	2962	2962	60	36	50	95741	1	1.80	3	0
##	2963	2963	23	-2	81	91711	2	1.80	2	0
##	2964	2964	29	3	41	94588	1	1.90	3	0
##	2965	2965	35	10	73	93943	3	2.30	1	0
##	2966	2966	53	27	31	91605	2	0.40	3	104
##	2967	2967	32	7	84	91320	3	0.60	2	0
##	2968	2968	38	14	95	94109	2	1.90	1	0
##	2969	2969	44	18	162	90840	4	1.30	1	301
##	2970	2970	43	18	60	95039	2	2.20	3	115
##	2971	2971	54	30	121	95039	2	1.10	3	0
##	2972	2972	52	25	43	91380	3	1.00	2	165
##	2973	2973	31	7	38	92182	1	1.80	2	182
##	2974	2974	47	22	82	92084	1	2.90	1	276
##	2975	2975	42	18	52	95008	4	1.90	1	0
##	2976	2976	57	33	43	91016	3	1.50	1	168
##	2977	2977	33	8	82	95747	1	2.60	2	0
##	2978	2978	35	10	161	94109	1	4.10	1	0
##	2979	2979	56	30	24	94550	2	0.70	2	0
##	2980	2980	57	32	102	90210	1	2.60	1	0
##	2981	2981	25	-1	53	94305	3	2.40	2	0
##	2982	2982	53	28	85	92037	1	1.20	1	0
##	2983	2983	59	33	111	95120	3	4.40	1	0
##	2984	2984	56	32	90	95054	2	0.30	1	0
##	2985	2985	54	28	94	92709	2	1.10	1	188
##	2986	2986	48	23	63	94606	4	3.60	3	0
##	2987	2987	55	30	153	94305	2	2.80	2	0
##	2988	2988	33	7	39	92037	2	2.00	3	0
##	2989	2989	46	21	205	95762	2	8.80	1	181
##	2990	2990	42	18	142	93106	1	3.40	1	496
##	2991	2991	49	25	163	94608	2	0.40	1	0
##	2992	2992	42	17	113	93014	3	1.00	1	0
##	2993	2993	46	21	64	92104	1	2.90	1	0

##	2994	2994	65	40	20	92647	3	0.10	3	0
##	2995	2995	50	24	179	94025	1	1.00	1	0
##	2996	2996	54	24	91	91101	2	4.50	3	90
##	2997	2997	42	18	103	91367	1	3.33	1	0
##	2998	2998	57	33	80	95053	4	1.60	2	0
##	2999	2999	61	35	38	93106	2	0.30	1	0
##	3000	3000	60	34	44	94143	1	0.20	1	0
##	3001	3001	40	14	164	94720	1	4.30	2	0
##	3002	3002	33	7	81	92647	3	1.60	1	0
##	3003	3003	37	13	95	90095	2	1.70	2	83
##	3004	3004	52	28	44	90747	3	1.90	2	0
##	3005	3005	33	7	88	94583	3	1.60	1	0
##	3006	3006	62	36	148	94111	3	7.00	2	0
##	3007	3007	62	37	169	95014	3	5.00	2	184
##	3008	3008	63	37	11	91711	1	0.80	2	102
##	3009	3009	55	25	92	94550	1	3.00	3	158
##	3010	3010	33	9	74	92120	3	2.60	2	0
##	3011	3011	25	1	72	94301	3	0.80	1	0
##	3012	3012	55	31	63	95616	3	2.67	1	0
##	3013	3013	29	3	172	92373	2	4.50	1	415
##	3014	3014	45	21	183	90029	2	1.40	1	0
##	3015	3015	60	34	40	91311	1	2.50	3	166
##	3016	3016	44	18	68	92673	4	2.90	1	0
##	3017	3017	48	23	78	91423	4	3.60	3	0
##	3018	3018	57	32	68	90041	2	3.70	1	184
##	3019	3019	58	32	49	94005	1	1.40	1	99
##	3020	3020	58	33	39	94132	2	2.30	3	0
##	3021	3021	44	20	151	95193	1	3.50	1	392
##	3022	3022	54	28	159	90245	2	0.50	1	461
##	3023	3023	59	33	89	94608	4	1.90	2	0
##	3024	3024	63	37	105	92694	4	1.70	3	244
##	3025	3025	61	35	78	90840	2	2.00	1	0
##	3026	3026	58	32	128	94609	2	2.70	1	344
##	3027	3027	44	20	81	90254	4	0.80	1	228
##	3028	3028	53	29	50	93305	4	0.10	3	152
##	3029	3029	63	39	38	92624	3	0.10	3	178
##	3030	3030	41	17	119	94960	2	6.10	1	263
##	3031	3031	50	26	110	94509	3	1.80	2	0
##	3032	3032	51	25	29	90212	1	1.40	3	102
##	3033	3033	47	22	19	94590	1	0.40	3	0
##	3034	3034	43	19	130	90630	2	4.70	3	221
##	3035	3035	46	21	38	90024	1	2.40	1	130
##	3036	3036	50	24	31	95054	1	0.30	3	0
##	3037	3037	33	9	14	91320	4	0.70	2	105
##	3038	3038	27	2	158	95060	3	0.40	2	0
##	3039	3039	34	8	39	92124	4	0.20	1	115
##	3040	3040	34	9	141	95616	2	4.90	3	0
##	3041	3041	28	2	33	95814	3	1.00	1	167
##	3042	3042	29	5	92	95006	2	0.60	1	0
##	3043	3043	52	26	78	94301	3	3.00	2	0
##	3044	3044	47	22	42	91754	3	2.70	2	0
##	3045	3045	41	16	15	94124	2	0.30	2	83
##	3046	3046	58	32	48	91768	1	2.80	2	0
##	3047	3047	37	12	63	95630	3	2.30	1	0

##	3048	3048	57	33	149	95060	1	4.70	1	0
##	3049	3049	63	39	49	90275	1	0.80	1	103
##	3050	3050	60	35	125	94720	2	3.90	1	0
##	3051	3051	50	25	58	92131	1	1.30	2	0
##	3052	3052	60	35	48	94538	3	1.50	1	0
##	3053	3053	54	30	75	94720	2	3.20	3	0
##	3054	3054	28	4	114	92521	2	0.20	1	0
##	3055	3055	45	21	134	92697	4	5.50	2	0
##	3056	3056	28	2	111	94305	4	2.30	3	0
##	3057	3057	54	29	62	94301	4	3.80	2	149
##	3058	3058	42	18	45	95616	1	0.70	1	0
##	3059	3059	30	4	113	90064	2	0.20	1	0
##	3060	3060	61	36	128	94550	1	2.60	1	0
##	3061	3061	64	38	168	94061	4	5.70	3	0
##	3062	3062	38	13	81	90095	1	4.00	3	206
##	3063	3063	39	14	75	92521	1	0.10	2	297
##	3064	3064	54	29	21	95841	4	0.10	3	0
##	3065	3065	59	33	83	94701	3	4.40	1	0
##	3066	3066	39	15	121	92354	1	3.50	1	368
##	3067	3067	63	33	40	91320	4	1.67	3	0
##	3068	3068	31	5	101	94501	1	2.90	3	170
##	3069	3069	56	26	90	92120	2	4.50	3	0
##	3070	3070	47	20	68	91320	1	2.67	2	0
##	3071	3071	28	3	74	91330	2	1.80	2	221
##	3072	3072	32	8	74	93023	4	0.10	2	257
##	3073	3073	54	30	51	92821	2	3.20	3	0
##	3074	3074	29	5	149	94611	1	1.50	1	0
##	3075	3075	39	15	31	95039	1	1.40	3	88
##	3076	3076	26	0	85	95616	2	1.60	3	0
##	3077	3077	29	-1	62	92672	2	1.75	3	0
##	3078	3078	46	21	44	95112	1	0.30	1	110
##	3079	3079	38	13	63	92325	3	0.50	3	190
##	3080	3080	55	31	23	95616	2	0.30	1	0
##	3081	3081	48	22	40	94063	3	2.20	2	87
##	3082	3082	36	10	78	95064	2	4.50	3	204
##	3083	3083	39	13	40	92122	3	0.90	3	129
##	3084	3084	40	16	78	90720	4	2.40	1	0
##	3085	3085	26	0	129	90028	3	0.70	2	0
##	3086	3086	55	29	71	91311	3	0.30	2	0
##	3087	3087	61	35	23	94720	3	0.30	3	0
##	3088	3088	57	33	15	94303	2	0.30	1	0
##	3089	3089	56	31	28	94720	1	1.30	1	138
##	3090	3090	31	5	23	94110	3	1.00	1	95
##	3091	3091	61	31	19	91109	1	1.50	3	0
##	3092	3092	58	32	42	95020	3	1.40	3	158
##	3093	3093	43	18	113	90036	2	0.40	1	325
##	3094	3094	29	5	34	90717	4	0.40	2	0
##	3095	3095	50	23	19	90272	1	0.50	2	104
##	3096	3096	49	25	43	94109	1	1.60	2	0
##	3097	3097	43	18	179	94108	3	1.20	1	0
##	3098	3098	58	32	44	92182	3	2.20	3	0
##	3099	3099	41	16	21	92024	2	0.10	2	0
##	3100	3100	65	40	115	92647	1	2.50	1	174
##	3101	3101	52	27	81	90024	4	3.80	2	0

##	3102	3102	55	31	91	93555	2	2.80	1	0
##	3103	3103	49	25	30	90095	4	0.90	2	0
##	3104	3104	52	22	55	92129	3	1.40	3	0
##	3105	3105	56	31	48	91775	2	2.10	3	0
##	3106	3106	30	4	23	94122	4	0.30	2	121
##	3107	3107	36	10	21	92084	3	0.10	2	0
##	3108	3108	41	17	55	92374	2	1.70	1	0
##	3109	3109	42	15	21	95678	3	1.00	2	0
##	3110	3110	60	34	40	93940	3	2.20	3	0
##	3111	3111	44	20	30	95020	4	0.30	1	0
##	3112	3112	34	9	78	90095	3	0.60	2	0
##	3113	3113	56	32	65	92677	2	3.20	3	0
##	3114	3114	31	5	50	91330	4	2.10	3	209
##	3115	3115	29	4	55	90024	4	2.00	2	0
##	3116	3116	31	5	111	94305	2	0.20	1	0
##	3117	3117	36	10	21	92008	3	0.10	2	0
##	3118	3118	42	16	65	92614	3	0.50	3	256
##	3119	3119	64	39	114	90095	1	0.80	3	0
##	3120	3120	61	36	54	91320	3	0.90	3	179
##	3121	3121	35	11	75	94542	2	1.70	2	0
##	3122	3122	28	2	13	91791	4	0.40	1	0
##	3123	3123	38	14	54	90095	2	0.60	3	218
##	3124	3124	44	17	22	94546	3	1.00	2	126
##	3125	3125	45	20	198	95053	2	2.80	1	0
##	3126	3126	46	20	18	92521	1	0.20	1	0
##	3127	3127	57	32	74	92780	4	0.70	1	0
##	3128	3128	40	14	61	94539	4	0.20	3	0
##	3129	3129	38	12	64	94115	2	1.80	1	0
##	3130	3130	39	14	10	92705	2	0.30	2	0
##	3131	3131	23	-2	82	92152	2	1.80	2	0
##	3132	3132	47	22	61	94025	3	2.70	2	168
##	3133	3133	32	7	83	94302	2	2.50	1	148
##	3134	3134	30	5	73	93711	3	2.60	3	0
##	3135	3135	54	30	22	95060	2	0.40	1	89
##	3136	3136	25	0	91	95039	2	1.80	2	321
##	3137	3137	60	34	65	95354	3	2.20	3	94
##	3138	3138	61	36	13	91711	3	0.50	1	0
##	3139	3139	36	11	103	93555	1	4.60	1	255
##	3140	3140	52	26	95	92130	1	0.30	1	0
##	3141	3141	33	7	31	94303	4	1.00	1	0
##	3142	3142	57	31	131	90405	3	0.60	1	0
##	3143	3143	34	8	175	95051	4	1.10	3	0
##	3144	3144	50	24	38	91105	4	0.10	1	0
##	3145	3145	43	18	104	91711	3	1.00	1	0
##	3146	3146	34	10	114	94305	3	3.30	3	0
##	3147	3147	26	1	38	91910	4	1.70	2	0
##	3148	3148	26	0	30	94024	4	1.30	3	0
##	3149	3149	48	22	19	95616	2	0.10	3	106
##	3150	3150	49	25	25	95192	4	1.00	1	0
##	3151	3151	47	22	124	90027	4	5.00	3	0
##	3152	3152	43	19	20	94110	3	0.50	1	0
##	3153	3153	40	15	83	90275	1	1.00	3	0
##	3154	3154	31	5	18	94111	4	0.30	2	0
##	3155	3155	27	1	99	94305	1	3.00	3	149

##	3156	3156	55	29	62	92626	3	0.30	2	0
##	3157	3157	54	30	24	92647	1	0.10	2	0
##	3158	3158	23	-1	13	94720	4	1.00	1	84
##	3159	3159	54	28	64	90095	2	0.80	3	0
##	3160	3160	57	33	62	92831	3	2.67	1	240
##	3161	3161	41	15	158	94304	1	4.70	2	0
##	3162	3162	28	4	88	94024	1	5.40	1	0
##	3163	3163	33	7	28	94109	4	0.80	1	0
##	3164	3164	51	27	52	94132	2	1.00	3	0
##	3165	3165	28	4	82	95136	4	0.00	1	0
##	3166	3166	63	37	140	91711	2	6.90	1	97
##	3167	3167	29	4	80	90028	1	0.80	2	0
##	3168	3168	62	38	58	94720	4	1.20	2	228
##	3169	3169	51	25	180	94701	1	1.70	1	0
##	3170	3170	52	28	55	94608	1	1.60	2	227
##	3171	3171	43	16	65	94110	3	2.67	2	100
##	3172	3172	39	12	62	91910	3	2.33	2	0
##	3173	3173	35	9	23	95670	4	0.30	1	0
##	3174	3174	34	10	35	94309	1	1.70	1	0
##	3175	3175	49	24	35	94701	4	0.20	2	0
##	3176	3176	43	18	74	92009	4	0.40	1	0
##	3177	3177	48	24	14	91330	3	0.40	1	0
##	3178	3178	30	4	83	91007	2	1.50	3	199
##	3179	3179	46	21	71	95814	4	1.90	3	0
##	3180	3180	43	17	53	90245	2	0.70	1	130
##	3181	3181	27	3	103	92121	2	0.60	1	84
##	3182	3182	39	15	109	95827	1	1.70	1	0
##	3183	3183	58	33	60	94304	2	1.90	2	94
##	3184	3184	44	17	12	94542	3	0.67	2	0
##	3185	3185	39	15	141	92354	2	8.00	1	0
##	3186	3186	35	10	128	92843	1	3.80	1	0
##	3187	3187	41	16	98	95192	3	1.00	1	296
##	3188	3188	43	18	41	94035	1	0.50	3	0
##	3189	3189	55	25	90	90717	2	4.50	3	0
##	3190	3190	32	6	31	92675	1	0.30	1	0
##	3191	3191	56	26	74	91335	1	3.00	3	0
##	3192	3192	30	5	83	93101	4	1.80	3	0
##	3193	3193	65	39	35	94005	1	0.50	3	0
##	3194	3194	31	7	140	95616	1	4.00	1	0
##	3195	3195	41	15	65	90019	3	0.50	3	0
##	3196	3196	55	29	35	90007	3	1.40	1	0
##	3197	3197	37	7	73	94043	4	1.80	3	0
##	3198	3198	34	10	29	93555	1	1.50	2	0
##	3199	3199	34	9	55	92122	4	2.00	2	147
##	3200	3200	33	9	20	95521	4	0.70	2	0
##	3201	3201	48	23	70	92122	1	2.80	2	0
##	3202	3202	28	3	81	92121	4	0.20	1	0
##	3203	3203	30	4	25	92173	2	0.30	1	0
##	3204	3204	44	20	119	92677	2	7.50	1	239
##	3205	3205	61	35	49	90095	4	1.70	2	185
##	3206	3206	59	33	38	92407	1	1.40	1	0
##	3207	3207	33	7	80	91103	2	1.50	3	0
##	3208	3208	56	32	84	93407	1	4.30	1	0
##	3209	3209	53	29	61	95032	4	1.60	2	0

##	3210	3210	42	16	173	91355	2	1.50	2	373
##	3211	3211	43	19	60	94301	2	2.50	1	0
##	3212	3212	35	9	83	90277	2	4.50	3	0
##	3213	3213	61	35	59	92697	1	2.80	2	0
##	3214	3214	39	9	32	90212	3	2.00	3	116
##	3215	3215	61	37	33	91775	3	0.10	3	0
##	3216	3216	40	15	19	90630	4	0.20	3	0
##	3217	3217	34	8	14	95014	4	0.30	1	0
##	3218	3218	65	39	94	93022	4	4.10	1	120
##	3219	3219	40	16	154	94122	2	6.10	1	325
##	3220	3220	39	15	33	92346	1	2.00	2	0
##	3221	3221	61	35	28	93302	2	0.20	3	135
##	3222	3222	40	16	44	93407	1	1.80	1	0
##	3223	3223	49	23	81	93107	2	0.80	3	0
##	3224	3224	43	18	29	95126	1	0.50	3	0
##	3225	3225	45	21	58	94025	3	0.30	3	0
##	3226	3226	52	28	38	95064	4	0.90	2	0
##	3227	3227	32	8	82	93943	3	1.50	1	0
##	3228	3228	31	7	18	94720	1	0.40	3	0
##	3229	3229	27	2	45	94305	2	1.70	2	0
##	3230	3230	33	9	64	92507	4	3.40	1	0
##	3231	3231	65	40	48	94708	3	2.40	1	0
##	3232	3232	62	37	24	90717	1	0.30	3	0
##	3233	3233	55	25	65	92093	4	2.00	3	0
##	3234	3234	46	20	111	95037	1	0.00	1	329
##	3235	3235	37	12	114	91107	3	0.60	2	0
##	3236	3236	60	35	39	91711	2	1.60	3	0
##	3237	3237	44	14	19	94112	1	0.75	3	0
##	3238	3238	35	9	22	94085	3	0.10	2	0
##	3239	3239	52	28	49	94928	4	1.10	2	0
##	3240	3240	30	4	40	90095	1	0.30	1	0
##	3241	3241	62	36	63	93407	1	1.60	1	118
##	3242	3242	41	15	55	94305	1	2.80	1	0
##	3243	3243	38	14	33	92096	1	2.00	2	0
##	3244	3244	52	26	31	92054	4	1.50	3	0
##	3245	3245	48	24	24	92624	4	0.20	1	0
##	3246	3246	47	22	81	90009	4	3.60	3	0
##	3247	3247	41	17	81	95422	1	0.80	2	223
##	3248	3248	44	20	113	95032	2	3.30	1	0
##	3249	3249	31	6	92	92037	2	3.30	1	0
##	3250	3250	50	25	81	92806	1	1.20	1	0
##	3251	3251	36	11	101	90212	3	1.20	3	0
##	3252	3252	52	26	78	90720	3	3.00	2	0
##	3253	3253	62	38	78	92521	2	0.00	3	0
##	3254	3254	55	30	35	94025	1	1.50	2	118
##	3255	3255	61	37	9	93907	2	0.30	3	0
##	3256	3256	34	7	82	95741	4	2.00	2	0
##	3257	3257	34	9	41	94305	1	2.50	3	0
##	3258	3258	59	35	84	92407	1	1.80	3	0
##	3259	3259	41	17	42	91910	4	2.20	2	185
##	3260	3260	33	8	54	92251	3	2.30	1	0
##	3261	3261	55	30	84	95821	2	0.00	3	0
##	3262	3262	64	40	131	91103	1	3.80	1	0
##	3263	3263	44	19	85	90024	2	3.80	3	0

##	3264	3264	32	8	84	92093	4	3.40	1	0
##	3265	3265	67	41	114	95616	4	2.40	3	0
##	3266	3266	40	14	61	94612	3	0.50	3	0
##	3267	3267	57	31	39	92821	1	2.20	3	0
##	3268	3268	59	35	21	95818	2	1.00	1	120
##	3269	3269	43	17	111	91423	4	5.40	3	0
##	3270	3270	58	34	68	94305	2	2.80	1	113
##	3271	3271	50	23	179	94609	4	3.60	2	0
##	3272	3272	52	27	93	90291	4	4.10	2	0
##	3273	3273	35	9	85	92121	2	1.80	1	0
##	3274	3274	40	15	180	90095	1	4.10	1	0
##	3275	3275	31	5	110	92123	2	1.50	3	0
##	3276	3276	32	8	65	95134	1	1.20	1	268
##	3277	3277	55	31	159	92123	1	3.90	3	0
##	3278	3278	43	19	81	92121	2	3.20	1	0
##	3279	3279	31	6	132	94571	1	3.80	1	0
##	3280	3280	26	-1	44	94901	1	2.00	2	0
##	3281	3281	58	33	98	90277	1	2.60	1	0
##	3282	3282	51	25	62	95014	2	1.50	2	0
##	3283	3283	45	21	91	95054	1	4.70	1	0
##	3284	3284	56	30	29	92152	4	0.70	2	87
##	3285	3285	25	-1	101	95819	4	2.10	3	0
##	3286	3286	38	13	65	91706	3	0.70	2	0
##	3287	3287	62	36	58	95020	1	2.80	2	0
##	3288	3288	39	13	32	90747	2	0.80	3	0
##	3289	3289	56	30	140	94122	4	0.50	1	292
##	3290	3290	50	25	44	94303	1	0.30	1	187
##	3291	3291	52	27	113	92038	1	0.10	3	0
##	3292	3292	53	28	38	94998	1	1.30	2	0
##	3293	3293	25	-1	13	95616	4	0.40	1	0
##	3294	3294	44	20	62	94939	2	2.50	1	0
##	3295	3295	42	12	29	93611	3	2.00	3	0
##	3296	3296	42	16	141	94960	3	4.00	2	0
##	3297	3297	63	37	132	94080	1	4.40	2	0
##	3298	3298	57	32	23	93407	1	0.30	3	0
##	3299	3299	56	32	11	94110	2	0.30	1	89
##	3300	3300	60	34	90	92192	4	1.90	2	0
##	3301	3301	62	38	43	92354	1	1.90	2	0
##	3302	3302	48	22	59	90086	4	2.60	1	0
##	3303	3303	37	11	28	94501	2	0.80	3	0
##	3304	3304	55	29	28	94539	2	0.70	2	82
##	3305	3305	42	17	108	95120	3	1.00	1	383
##	3306	3306	39	13	78	95616	1	2.80	3	0
##	3307	3307	47	22	65	90840	1	2.40	1	0
##	3308	3308	34	10	25	92038	4	1.00	1	0
##	3309	3309	48	23	108	92120	2	3.80	3	0
##	3310	3310	52	27	43	94611	4	0.20	2	0
##	3311	3311	53	29	95	94720	4	1.00	2	0
##	3312	3312	49	25	24	95819	1	0.30	1	0
##	3313	3313	47	22	190	94550	2	8.80	1	0
##	3314	3314	48	24	24	91950	1	0.90	3	0
##	3315	3315	38	13	41	90073	4	1.70	1	0
##	3316	3316	48	22	80	94720	3	1.10	1	0
##	3317	3317	56	26	63	94501	3	2.00	3	0

##	3318	3318	65	41	79	90035	3	2.00	3	0
##	3319	3319	46	20	105	90089	4	3.20	1	0
##	3320	3320	60	35	153	95136	3	2.00	3	0
##	3321	3321	50	25	114	92104	1	0.60	1	0
##	3322	3322	41	15	120	94521	1	5.20	1	0
##	3323	3323	41	16	104	92008	1	4.00	3	0
##	3324	3324	60	35	20	92110	1	1.30	1	0
##	3325	3325	57	31	41	91401	1	1.40	1	0
##	3326	3326	48	23	35	93302	2	1.30	1	0
##	3327	3327	53	27	174	91006	1	2.90	2	0
##	3328	3328	42	18	164	93407	1	1.30	3	0
##	3329	3329	45	20	22	90230	1	0.10	1	0
##	3330	3330	35	10	132	94123	1	3.80	1	82
##	3331	3331	34	9	32	95054	4	1.10	3	0
##	3332	3332	67	42	21	94607	3	0.10	3	0
##	3333	3333	36	9	49	94402	2	1.67	2	0
##	3334	3334	37	13	79	91711	4	0.10	2	280
##	3335	3335	40	14	30	94720	2	0.80	3	86
##	3336	3336	35	10	118	92069	2	7.80	1	358
##	3337	3337	60	34	11	94305	4	0.70	3	0
##	3338	3338	59	29	61	92008	3	2.00	3	0
##	3339	3339	35	9	43	92037	4	1.20	2	0
##	3340	3340	27	1	141	95135	4	5.10	3	354
##	3341	3341	29	3	54	94104	4	1.80	3	0
##	3342	3342	35	9	33	91125	2	0.30	1	0
##	3343	3343	38	13	84	91330	3	1.20	3	121
##	3344	3344	62	37	125	94801	1	1.00	3	0
##	3345	3345	43	19	110	90639	1	3.40	1	0
##	3346	3346	35	11	14	94720	4	1.00	1	0
##	3347	3347	41	15	65	92037	2	2.80	1	0
##	3348	3348	65	41	78	92109	3	2.00	3	0
##	3349	3349	61	35	18	94303	3	0.30	3	0
##	3350	3350	55	25	95	92407	2	4.50	3	275
##	3351	3351	28	3	95	90245	2	1.80	2	0
##	3352	3352	52	26	191	92121	1	1.70	1	0
##	3353	3353	34	4	19	92521	1	0.67	3	83
##	3354	3354	49	23	19	94521	4	0.60	3	0
##	3355	3355	42	18	39	92703	1	0.30	3	0
##	3356	3356	49	23	93	90036	1	2.40	1	0
##	3357	3357	49	23	115	95051	3	4.60	3	0
##	3358	3358	32	6	112	94111	1	2.70	2	408
##	3359	3359	59	35	40	94536	4	0.40	1	0
##	3360	3360	43	19	45	91773	3	0.60	2	0
##	3361	3361	48	24	133	90740	1	5.00	1	0
##	3362	3362	31	5	85	94117	3	1.60	1	87
##	3363	3363	30	4	18	90277	2	0.30	2	0
##	3364	3364	58	34	54	93003	4	1.30	2	0
##	3365	3365	41	15	41	94143	2	2.40	2	105
##	3366	3366	38	8	21	95060	1	0.67	3	0
##	3367	3367	33	9	152	90024	1	6.00	1	0
##	3368	3368	51	27	53	92122	1	1.60	2	0
##	3369	3369	45	18	163	94720	3	5.33	2	0
##	3370	3370	34	10	84	95616	4	0.10	2	0
##	3371	3371	39	13	59	90033	3	0.90	3	199

##	3372	3372	44	18	33	95351	3	0.50	2	0
##	3373	3373	55	29	81	94928	4	4.90	1	209
##	3374	3374	28	2	182	92660	3	7.20	2	442
##	3375	3375	57	31	61	91360	1	2.20	3	0
##	3376	3376	43	18	88	90089	4	1.10	2	0
##	3377	3377	46	21	170	95136	2	2.80	1	0
##	3378	3378	35	10	83	95370	4	0.70	3	315
##	3379	3379	25	0	44	94536	4	0.60	2	0
##	3380	3380	65	41	83	94305	3	2.00	3	0
##	3381	3381	64	38	21	95422	1	0.80	2	76
##	3382	3382	39	15	143	91711	1	3.50	1	0
##	3383	3383	62	36	103	92182	2	2.80	1	0
##	3384	3384	46	22	135	95135	3	4.10	1	213
##	3385	3385	36	11	162	94583	1	8.60	1	153
##	3386	3386	42	17	73	90089	4	0.40	1	0
##	3387	3387	35	10	142	94061	4	0.80	3	0
##	3388	3388	63	37	25	94035	2	0.20	3	0
##	3389	3389	45	21	115	91320	2	3.30	1	85
##	3390	3390	27	3	88	92182	3	0.80	1	238
##	3391	3391	29	3	73	94720	3	0.30	3	0
##	3392	3392	55	29	94	94109	1	0.80	3	221
##	3393	3393	32	7	58	92612	1	1.00	1	0
##	3394	3394	37	11	81	95123	3	0.90	2	0
##	3395	3395	25	-1	113	90089	4	2.10	3	0
##	3396	3396	41	16	35	94061	2	1.40	2	135
##	3397	3397	52	28	65	93106	1	0.00	1	0
##	3398	3398	31	6	170	94010	2	6.70	1	137
##	3399	3399	40	14	62	92028	2	2.40	2	0
##	3400	3400	54	29	54	94720	2	2.10	3	97
##	3401	3401	48	22	39	94065	1	1.20	2	0
##	3402	3402	39	15	28	95818	1	1.40	3	118
##	3403	3403	64	40	95	90095	2	0.00	3	0
##	3404	3404	54	29	82	94709	3	3.70	2	0
##	3405	3405	39	14	21	94303	1	0.60	3	101
##	3406	3406	55	30	50	94061	2	2.10	3	0
##	3407	3407	42	12	34	92177	3	2.00	3	0
##	3408	3408	58	32	19	90405	4	0.70	3	0
##	3409	3409	45	21	71	90029	4	1.90	1	0
##	3410	3410	29	5	113	95351	2	2.00	2	84
##	3411	3411	36	11	9	90230	4	0.20	3	0
##	3412	3412	63	37	118	94010	1	2.00	1	427
##	3413	3413	55	29	79	90029	4	4.90	1	0
##	3414	3414	54	24	72	95123	3	1.40	3	0
##	3415	3415	61	36	18	95010	1	1.30	1	0
##	3416	3416	36	12	93	90720	2	2.20	1	0
##	3417	3417	61	37	62	94111	1	0.00	2	244
##	3418	3418	39	12	23	90024	3	1.00	2	0
##	3419	3419	57	31	40	91775	3	1.40	3	0
##	3420	3420	35	10	34	95503	4	1.70	1	87
##	3421	3421	66	41	114	94305	1	0.80	3	0
##	3422	3422	49	23	125	90245	1	2.40	1	0
##	3423	3423	48	23	41	92677	1	1.40	3	0
##	3424	3424	61	35	38	93009	2	1.00	3	0
##	3425	3425	44	19	45	94539	4	0.00	2	0

##	3426	3426	23	-1	12	91605	4	1.00	1	90
##	3427	3427	31	5	115	90025	2	1.50	3	189
##	3428	3428	39	15	175	94080	2	8.00	1	0
##	3429	3429	45	21	24	93106	1	0.90	3	0
##	3430	3430	39	14	28	91320	2	1.40	2	108
##	3431	3431	64	38	32	90291	2	0.30	1	0
##	3432	3432	64	38	63	94305	2	1.70	3	184
##	3433	3433	47	23	32	95370	1	1.00	1	0
##	3434	3434	34	9	60	94306	4	1.30	1	0
##	3435	3435	56	31	53	95521	2	1.60	3	78
##	3436	3436	33	8	58	92037	4	1.30	1	0
##	3437	3437	56	29	42	92104	4	2.50	2	0
##	3438	3438	57	31	39	94304	4	0.70	2	0
##	3439	3439	43	17	72	94806	1	2.80	1	271
##	3440	3440	43	17	80	95020	3	0.10	1	0
##	3441	3441	26	1	39	95133	4	0.60	2	0
##	3442	3442	64	40	18	94309	2	0.30	3	0
##	3443	3443	43	18	30	93940	1	0.50	3	0
##	3444	3444	44	18	54	90639	1	2.80	1	202
##	3445	3445	60	35	128	93101	1	0.90	1	0
##	3446	3446	37	13	38	94701	1	1.50	2	116
##	3447	3447	56	32	120	90232	1	7.40	1	186
##	3448	3448	54	29	25	90747	4	0.10	3	109
##	3449	3449	43	18	85	92606	4	1.90	3	110
##	3450	3450	57	32	135	90095	3	4.80	2	0
##	3451	3451	29	4	14	94590	4	0.50	3	0
##	3452	3452	54	30	70	92182	1	1.60	3	251
##	3453	3453	61	37	23	94720	3	0.40	2	0
##	3454	3454	29	3	31	94709	4	0.30	2	0
##	3455	3455	47	21	132	92120	1	0.30	1	0
##	3456	3456	43	19	28	93010	3	0.50	1	0
##	3457	3457	46	22	125	94536	2	4.70	3	0
##	3458	3458	55	31	91	94110	2	2.80	1	0
##	3459	3459	48	23	191	95053	2	2.80	1	231
##	3460	3460	26	1	88	94025	2	1.80	2	0
##	3461	3461	63	37	84	92691	4	2.40	3	0
##	3462	3462	57	27	64	92007	3	2.00	3	142
##	3463	3463	58	33	28	94608	2	0.50	2	146
##	3464	3464	28	3	149	92121	1	0.80	1	0
##	3465	3465	61	37	172	92612	4	4.25	1	0
##	3466	3466	65	41	42	95616	1	1.90	2	0
##	3467	3467	33	6	53	94122	2	1.00	2	96
##	3468	3468	63	37	149	90840	2	0.20	3	364
##	3469	3469	43	19	113	93933	2	1.80	2	0
##	3470	3470	26	2	79	95630	2	2.50	1	0
##	3471	3471	57	31	175	90503	2	0.50	1	429
##	3472	3472	50	25	38	95503	1	1.40	3	0
##	3473	3473	54	27	120	92672	4	3.00	2	431
##	3474	3474	59	34	52	92173	4	0.70	1	0
##	3475	3475	49	24	42	92121	2	0.70	2	0
##	3476	3476	54	30	13	92037	1	0.30	1	0
##	3477	3477	65	39	141	90280	2	6.90	1	0
##	3478	3478	34	10	131	94024	2	4.33	1	156
##	3479	3479	31	6	133	95747	1	1.50	3	0

##	3480	3480	31	6	64	94720	2	2.50	1	0
##	3481	3481	64	39	49	94591	2	1.50	1	0
##	3482	3482	52	26	34	93023	1	0.30	3	0
##	3483	3483	57	33	91	95133	1	4.30	1	81
##	3484	3484	60	36	195	90066	1	4.70	1	0
##	3485	3485	45	18	53	92104	3	2.50	2	112
##	3486	3486	39	13	39	92103	2	0.80	3	0
##	3487	3487	25	1	20	92806	4	1.00	1	0
##	3488	3488	29	4	104	91711	4	1.80	3	0
##	3489	3489	40	15	51	94117	2	1.10	2	131
##	3490	3490	36	12	154	91320	3	6.40	1	0
##	3491	3491	33	9	38	95814	1	1.33	1	115
##	3492	3492	51	27	12	92697	2	0.40	1	0
##	3493	3493	35	9	28	94546	1	0.60	3	0
##	3494	3494	54	28	33	94710	2	0.40	3	0
##	3495	3495	29	2	31	91330	4	1.50	2	0
##	3496	3496	32	8	44	91401	1	1.80	2	192
##	3497	3497	37	13	49	91711	4	2.00	3	192
##	3498	3498	55	31	134	92130	2	0.30	1	0
##	3499	3499	30	6	182	93561	4	0.80	3	94
##	3500	3500	49	23	114	94550	1	0.30	1	286
##	3501	3501	51	26	90	94110	1	2.80	2	0
##	3502	3502	65	39	105	91380	4	1.70	3	0
##	3503	3503	32	8	58	95616	3	2.00	1	90
##	3504	3504	29	3	53	95814	4	2.10	3	0
##	3505	3505	46	20	15	95370	4	0.60	3	0
##	3506	3506	64	39	103	90304	1	0.80	3	0
##	3507	3507	27	1	58	95827	4	1.80	2	154
##	3508	3508	50	23	83	91791	1	2.67	2	0
##	3509	3509	33	9	125	92182	1	4.30	3	0
##	3510	3510	38	12	61	91330	3	0.90	3	0
##	3511	3511	38	11	69	92124	3	2.33	2	0
##	3512	3512	37	11	89	94609	1	1.50	3	0
##	3513	3513	46	20	70	90405	4	2.90	1	0
##	3514	3514	31	4	39	94501	2	1.00	2	0
##	3515	3515	35	9	41	90024	4	1.20	2	0
##	3516	3516	50	26	148	94143	2	0.40	1	508
##	3517	3517	45	21	38	93943	3	0.60	2	148
##	3518	3518	30	6	95	94234	1	3.90	3	146
##	3519	3519	60	36	129	95039	2	6.00	1	0
##	3520	3520	31	5	84	94720	4	1.80	2	0
##	3521	3521	60	35	29	92126	3	1.30	2	0
##	3522	3522	36	10	30	91711	2	0.80	3	0
##	3523	3523	64	40	90	94028	2	0.00	3	134
##	3524	3524	29	4	150	91302	1	0.80	1	0
##	3525	3525	58	33	15	94583	4	0.90	2	0
##	3526	3526	59	34	13	96651	4	0.90	2	0
##	3527	3527	58	33	9	95008	2	0.20	3	0
##	3528	3528	35	10	24	95054	4	1.10	3	0
##	3529	3529	43	17	41	90210	3	2.20	2	0
##	3530	3530	33	7	25	94132	4	1.00	1	0
##	3531	3531	54	28	49	90073	4	2.80	2	0
##	3532	3532	38	12	58	94542	3	0.90	3	128
##	3533	3533	38	12	141	94022	2	0.00	1	0

##	3534	3534	57	32	50	94545	4	2.10	1	211
##	3535	3535	34	10	61	95006	3	2.00	1	0
##	3536	3536	52	27	65	92104	1	1.20	1	0
##	3537	3537	50	24	112	94005	1	0.30	1	229
##	3538	3538	60	34	19	92093	3	0.30	3	0
##	3539	3539	26	0	23	93561	1	0.10	2	0
##	3540	3540	56	30	60	91380	1	2.20	3	0
##	3541	3541	39	15	30	94305	4	0.30	1	0
##	3542	3542	45	20	144	92106	4	5.40	1	210
##	3543	3543	30	5	118	92182	4	3.00	3	0
##	3544	3544	37	11	194	94303	2	0.00	1	0
##	3545	3545	45	19	109	92037	3	1.10	1	0
##	3546	3546	48	22	174	95827	1	2.40	1	0
##	3547	3547	65	40	34	94720	1	1.10	3	119
##	3548	3548	46	20	84	92354	3	0.70	2	0
##	3549	3549	40	16	41	91107	1	2.00	2	0
##	3550	3550	33	7	92	90840	3	1.60	1	0
##	3551	3551	40	10	19	94609	1	0.75	3	116
##	3552	3552	60	35	55	92807	3	0.50	2	172
##	3553	3553	51	27	22	93106	4	0.50	2	0
##	3554	3554	41	16	155	95070	1	7.00	1	0
##	3555	3555	37	13	72	92407	4	2.00	3	0
##	3556	3556	35	9	81	91107	1	2.70	2	0
##	3557	3557	35	11	30	94303	1	1.70	1	0
##	3558	3558	46	20	54	90755	4	2.90	1	189
##	3559	3559	60	34	60	94065	3	2.50	1	0
##	3560	3560	51	25	68	94065	1	1.50	2	0
##	3561	3561	31	5	65	94591	4	2.20	2	126
##	3562	3562	30	6	31	94720	3	1.00	2	142
##	3563	3563	32	8	169	94596	1	6.50	3	272
##	3564	3564	53	27	139	94998	1	0.90	3	0
##	3565	3565	33	7	29	94720	1	0.60	3	0
##	3566	3566	40	15	43	92120	2	1.10	2	0
##	3567	3567	57	33	80	92064	2	2.80	1	0
##	3568	3568	51	26	43	91040	1	1.30	2	123
##	3569	3569	30	4	194	93407	2	4.50	1	0
##	3570	3570	41	15	24	92130	2	0.80	3	0
##	3571	3571	54	29	32	91107	2	0.60	3	0
##	3572	3572	42	18	153	93955	3	5.60	1	416
##	3573	3573	30	6	30	90245	1	0.40	3	0
##	3574	3574	60	36	165	90095	3	5.60	1	0
##	3575	3575	56	30	64	95123	3	0.30	2	0
##	3576	3576	63	38	15	94305	4	0.60	2	83
##	3577	3577	56	30	70	90245	3	0.30	2	0
##	3578	3578	39	9	32	91016	3	2.00	3	0
##	3579	3579	29	5	128	91302	2	4.10	2	209
##	3580	3580	28	2	84	94305	1	2.90	3	102
##	3581	3581	41	16	62	94553	2	2.20	3	0
##	3582	3582	28	4	33	91330	3	1.00	2	0
##	3583	3583	49	25	65	92354	1	0.00	1	0
##	3584	3584	30	3	33	95112	4	1.50	2	85
##	3585	3585	63	37	15	92121	1	0.80	2	115
##	3586	3586	45	18	45	92037	3	1.00	2	0
##	3587	3587	40	15	132	94131	2	3.90	1	0

##	3588	3588	28	4	29	94080	3	0.10	2	0
##	3589	3589	62	38	65	91768	1	0.00	2	0
##	3590	3590	38	12	52	92807	2	2.40	2	147
##	3591	3591	32	7	64	92630	2	0.10	1	0
##	3592	3592	58	32	73	94109	2	2.30	3	224
##	3593	3593	33	3	20	94704	1	0.67	3	0
##	3594	3594	60	34	44	90018	2	0.30	1	192
##	3595	3595	34	8	79	95616	1	2.50	1	0
##	3596	3596	38	14	104	90025	2	1.80	2	79
##	3597	3597	44	20	88	94720	1	4.70	1	0
##	3598	3598	56	26	51	92028	3	2.00	3	0
##	3599	3599	37	11	61	95120	3	0.90	2	0
##	3600	3600	45	19	23	93101	2	0.10	3	91
##	3601	3601	44	20	38	90018	2	2.10	3	95
##	3602	3602	37	13	75	94305	3	2.60	2	0
##	3603	3603	47	21	42	95841	4	0.10	1	0
##	3604	3604	51	25	45	92407	4	0.10	1	0
##	3605	3605	63	38	59	92612	3	0.50	2	0
##	3606	3606	61	31	130	92333	2	2.60	3	0
##	3607	3607	43	18	9	96145	2	0.00	3	96
##	3608	3608	41	15	62	90401	3	0.90	3	0
##	3609	3609	59	35	202	94025	1	4.70	1	553
##	3610	3610	29	5	162	94022	1	4.30	1	0
##	3611	3611	32	6	93	90029	3	1.60	1	79
##	3612	3612	64	39	145	92705	1	0.90	1	0
##	3613	3613	50	25	99	90245	1	4.60	1	368
##	3614	3614	35	11	148	92672	1	5.80	3	0
##	3615	3615	34	10	154	94583	3	5.40	2	0
##	3616	3616	58	34	149	95616	2	6.00	1	0
##	3617	3617	41	15	69	92507	1	1.50	3	78
##	3618	3618	37	11	30	94304	2	0.30	1	146
##	3619	3619	35	8	48	92697	2	1.00	2	0
##	3620	3620	45	20	42	94703	1	0.30	3	0
##	3621	3621	53	29	132	95020	2	0.30	1	403
##	3622	3622	53	27	81	91730	3	1.70	2	193
##	3623	3623	54	29	60	94901	4	3.80	2	0
##	3624	3624	28	3	45	91105	4	1.70	2	95
##	3625	3625	58	28	70	92028	1	1.40	3	0
##	3626	3626	47	21	71	92037	4	2.90	1	0
##	3627	3627	24	-3	28	90089	4	1.00	3	0
##	3628	3628	27	1	83	90034	2	0.20	1	0
##	3629	3629	42	18	131	94949	1	3.40	1	0
##	3630	3630	50	26	82	95051	1	0.00	1	0
##	3631	3631	41	16	79	95020	1	4.00	3	225
##	3632	3632	46	21	51	90089	4	1.90	3	0
##	3633	3633	46	20	111	95307	2	6.30	1	0
##	3634	3634	51	25	93	90048	1	0.30	1	0
##	3635	3635	59	35	73	90009	4	2.30	3	0
##	3636	3636	58	33	24	95616	2	0.50	2	0
##	3637	3637	37	11	64	96094	3	0.90	2	0
##	3638	3638	39	14	104	94608	3	1.00	1	242
##	3639	3639	47	22	38	92866	4	1.90	3	0
##	3640	3640	51	26	191	94063	1	8.10	1	0
##	3641	3641	64	34	53	95821	4	1.67	3	0

##	3642	3642	59	35	74	94402	4	2.30	3	0
##	3643	3643	55	29	21	92704	4	0.70	3	0
##	3644	3644	57	32	80	92606	3	1.60	3	144
##	3645	3645	59	33	41	91711	4	2.50	1	174
##	3646	3646	42	17	79	92103	1	3.70	3	0
##	3647	3647	34	9	141	92056	3	6.90	2	260
##	3648	3648	41	14	32	91605	3	1.00	2	0
##	3649	3649	43	13	38	95616	3	2.00	3	0
##	3650	3650	53	29	85	92691	3	1.80	2	0
##	3651	3651	47	21	93	91604	2	0.80	3	107
##	3652	3652	49	23	140	90504	1	1.90	3	0
##	3653	3653	35	9	69	94704	4	2.20	2	0
##	3654	3654	52	27	32	92521	2	2.00	2	0
##	3655	3655	53	28	61	94061	4	0.90	1	177
##	3656	3656	48	22	125	90086	1	2.40	1	0
##	3657	3657	35	8	30	95014	4	1.00	2	0
##	3658	3658	52	26	104	94025	2	2.40	2	0
##	3659	3659	60	35	24	92612	1	0.10	1	0
##	3660	3660	33	7	22	94002	1	0.40	2	0
##	3661	3661	38	12	59	93401	2	2.40	2	0
##	3662	3662	29	4	120	94553	1	4.10	2	0
##	3663	3663	35	9	164	94305	2	0.00	1	500
##	3664	3664	26	2	60	94111	4	1.60	1	0
##	3665	3665	48	24	43	91791	3	1.90	2	0
##	3666	3666	43	19	70	91711	3	2.33	1	0
##	3667	3667	60	35	51	94143	2	2.80	1	0
##	3668	3668	27	3	59	94590	4	1.60	1	0
##	3669	3669	38	13	129	92037	4	0.30	3	75
##	3670	3670	40	15	22	95616	2	1.40	2	0
##	3671	3671	38	14	29	94402	4	0.40	2	0
##	3672	3672	50	25	18	93106	1	0.40	3	0
##	3673	3673	38	13	65	91320	3	0.50	3	0
##	3674	3674	34	9	65	95134	4	1.30	1	0
##	3675	3675	42	16	38	93437	1	0.20	1	0
##	3676	3676	60	34	110	92126	2	2.00	1	0
##	3677	3677	62	37	22	95818	1	1.50	2	111
##	3678	3678	59	33	43	94234	2	0.30	1	0
##	3679	3679	49	25	30	92093	4	0.60	1	0
##	3680	3680	49	23	134	90095	2	6.30	1	0
##	3681	3681	36	11	32	90064	3	1.30	1	0
##	3682	3682	33	9	139	95054	1	4.30	1	0
##	3683	3683	43	17	45	95051	2	0.70	1	0
##	3684	3684	53	27	62	95070	3	3.00	2	0
##	3685	3685	57	31	51	92093	4	1.70	2	103
##	3686	3686	53	27	93	94588	1	0.80	3	313
##	3687	3687	60	35	122	92521	1	1.30	1	0
##	3688	3688	34	10	45	93943	1	1.33	1	0
##	3689	3689	51	26	179	90245	1	8.10	1	0
##	3690	3690	36	12	64	94708	3	2.80	1	205
##	3691	3691	63	39	41	95449	2	1.10	1	0
##	3692	3692	37	13	58	95211	2	0.60	3	0
##	3693	3693	57	33	64	94132	4	2.20	1	0
##	3694	3694	52	27	28	93117	3	1.70	2	0
##	3695	3695	38	8	21	92037	1	0.67	3	0

##	3696	3696	61	35	60	90272	1	2.80	2	0
##	3697	3697	31	5	78	94309	2	0.20	1	0
##	3698	3698	39	13	59	95616	3	0.50	3	0
##	3699	3699	38	12	59	96001	3	0.50	3	0
##	3700	3700	46	22	83	94501	4	1.40	2	0
##	3701	3701	48	22	128	94608	1	5.70	1	0
##	3702	3702	58	33	95	90503	1	2.60	1	0
##	3703	3703	50	25	160	93108	4	4.30	3	410
##	3704	3704	67	41	78	94301	4	2.40	3	0
##	3705	3705	36	11	184	91304	2	5.10	2	0
##	3706	3706	30	4	30	91770	3	1.00	1	0
##	3707	3707	58	33	51	94305	2	1.60	3	123
##	3708	3708	43	18	35	92647	1	0.60	3	0
##	3709	3709	31	1	74	92116	4	4.00	3	0
##	3710	3710	37	11	43	92521	4	1.20	2	0
##	3711	3711	49	22	23	90032	2	1.00	2	0
##	3712	3712	27	1	20	94720	4	0.40	1	99
##	3713	3713	50	25	112	92154	1	0.60	1	0
##	3714	3714	46	20	74	90064	3	0.70	2	0
##	3715	3715	49	23	65	94720	2	0.40	3	232
##	3716	3716	29	5	124	92037	2	0.20	1	0
##	3717	3717	55	29	65	91773	3	2.50	1	0
##	3718	3718	61	37	73	94550	3	2.00	3	285
##	3719	3719	45	19	8	92833	2	0.10	3	0
##	3720	3720	33	8	53	92126	3	2.30	1	76
##	3721	3721	63	39	131	92521	3	2.60	3	229
##	3722	3722	32	6	13	91040	4	0.30	1	0
##	3723	3723	42	17	60	93118	1	2.40	1	98
##	3724	3724	51	27	45	94022	1	1.60	2	82
##	3725	3725	44	20	39	93108	2	2.10	3	119
##	3726	3726	33	6	78	94305	4	2.00	2	0
##	3727	3727	39	13	43	94304	3	0.50	3	0
##	3728	3728	56	30	31	94117	2	0.30	1	109
##	3729	3729	28	3	118	91902	3	2.40	2	161
##	3730	3730	43	17	82	94040	3	0.10	1	0
##	3731	3731	30	6	112	92093	3	2.50	1	0
##	3732	3732	34	8	10	92867	1	0.40	2	0
##	3733	3733	26	1	18	92521	2	0.90	3	95
##	3734	3734	58	32	72	94105	3	0.30	2	0
##	3735	3735	43	19	72	95193	4	0.20	3	0
##	3736	3736	40	14	78	91103	1	5.20	1	0
##	3737	3737	54	30	78	96001	3	1.80	2	0
##	3738	3738	44	19	30	91423	1	0.50	3	0
##	3739	3739	54	28	45	95008	3	1.40	1	0
##	3740	3740	39	14	80	90502	2	0.40	1	0
##	3741	3741	59	35	174	92660	1	4.70	1	0
##	3742	3742	53	29	51	92152	2	3.20	3	0
##	3743	3743	32	8	181	94596	1	6.00	1	0
##	3744	3744	40	14	78	94720	4	1.40	2	194
##	3745	3745	54	29	79	90025	3	1.60	3	0
##	3746	3746	27	3	119	90640	1	5.40	1	118
##	3747	3747	63	39	49	93943	4	1.20	2	109
##	3748	3748	26	0	83	91360	3	3.90	2	0
##	3749	3749	33	7	100	94025	1	2.70	2	126

##	3750	3750	43	19	70	90095	3	2.33	1	0
##	3751	3751	57	32	52	90266	3	0.50	2	0
##	3752	3752	26	2	12	94591	4	1.00	1	0
##	3753	3753	55	30	82	93003	4	1.30	3	219
##	3754	3754	30	4	34	95351	2	0.30	2	0
##	3755	3755	63	37	112	93106	4	2.40	3	0
##	3756	3756	55	25	42	94115	3	1.00	3	0
##	3757	3757	35	11	83	92122	2	2.20	1	0
##	3758	3758	45	21	142	91101	1	1.40	2	0
##	3759	3759	47	23	199	94720	2	6.67	1	0
##	3760	3760	31	4	29	92093	4	1.50	2	121
##	3761	3761	56	26	70	91107	3	1.40	3	273
##	3762	3762	49	24	25	95831	2	0.70	3	0
##	3763	3763	53	27	84	95616	2	1.10	1	0
##	3764	3764	62	36	81	95051	3	4.40	1	0
##	3765	3765	63	37	15	94720	2	0.40	1	0
##	3766	3766	26	0	54	94706	3	0.30	3	0
##	3767	3767	59	35	108	90245	4	3.80	2	304
##	3768	3768	40	16	83	95819	4	2.67	1	0
##	3769	3769	42	16	62	94309	1	0.70	3	170
##	3770	3770	29	4	134	90095	2	3.30	1	204
##	3771	3771	40	16	75	94306	3	2.33	1	79
##	3772	3772	31	7	109	91711	2	2.00	2	341
##	3773	3773	35	10	152	94112	2	3.00	1	0
##	3774	3774	62	36	83	93940	4	2.40	3	0
##	3775	3775	51	26	52	92521	4	1.80	3	0
##	3776	3776	32	6	31	90275	2	2.00	3	0
##	3777	3777	27	3	135	93108	3	2.70	3	449
##	3778	3778	62	37	98	94706	1	0.90	1	151
##	3779	3779	66	41	14	95814	4	0.60	2	0
##	3780	3780	53	27	64	93407	4	2.60	1	0
##	3781	3781	49	25	109	92780	2	6.80	1	0
##	3782	3782	65	40	118	94104	1	1.30	1	333
##	3783	3783	30	5	80	91311	4	2.20	2	0
##	3784	3784	60	34	51	90028	3	1.40	3	0
##	3785	3785	30	6	115	94611	4	3.80	2	0
##	3786	3786	54	28	83	95841	1	2.40	1	0
##	3787	3787	54	28	90	91301	1	0.30	1	0
##	3788	3788	37	12	28	95616	4	1.70	1	0
##	3789	3789	32	7	82	95616	2	2.50	1	221
##	3790	3790	51	27	24	94301	3	0.40	1	0
##	3791	3791	46	22	71	92029	2	1.70	1	0
##	3792	3792	41	17	80	91330	1	0.30	1	0
##	3793	3793	62	36	109	92709	4	1.70	3	0
##	3794	3794	54	28	140	91711	1	2.90	1	0
##	3795	3795	52	27	39	92612	4	0.20	2	0
##	3796	3796	51	25	39	94010	1	1.20	2	98
##	3797	3797	24	-2	50	94920	3	2.40	2	0
##	3798	3798	61	35	31	92521	2	0.30	1	0
##	3799	3799	55	25	35	93943	3	1.00	3	144
##	3800	3800	37	11	44	93109	4	0.20	1	0
##	3801	3801	64	38	35	93955	1	0.50	3	0
##	3802	3802	34	8	20	95616	2	0.30	1	106
##	3803	3803	31	7	10	95616	4	0.70	2	0

##	3804	3804	42	18	83	96001	4	2.00	3	0
##	3805	3805	47	22	203	95842	2	8.80	1	0
##	3806	3806	29	5	84	93109	3	0.80	1	0
##	3807	3807	34	8	41	92096	4	0.80	1	0
##	3808	3808	36	11	164	95051	2	7.80	1	0
##	3809	3809	34	10	152	90089	2	6.50	1	0
##	3810	3810	26	2	62	94080	4	1.60	1	0
##	3811	3811	48	24	12	94707	4	1.00	1	89
##	3812	3812	47	23	28	94061	4	0.60	1	0
##	3813	3813	39	13	52	94720	1	2.00	1	0
##	3814	3814	62	37	19	91343	3	1.30	2	97
##	3815	3815	34	9	35	94304	3	1.30	1	0
##	3816	3816	43	19	28	95053	4	0.30	1	96
##	3817	3817	55	30	70	94904	3	2.00	2	0
##	3818	3818	65	40	140	92093	1	0.90	1	0
##	3819	3819	26	0	102	94305	4	2.30	3	0
##	3820	3820	57	27	50	93950	4	2.00	3	0
##	3821	3821	32	7	61	94102	3	2.30	1	205
##	3822	3822	35	9	188	92220	2	3.70	2	259
##	3823	3823	63	33	178	91768	4	9.00	3	0
##	3824	3824	49	25	44	94708	4	0.90	2	194
##	3825	3825	23	-1	12	95064	4	1.00	1	0
##	3826	3826	30	6	69	94305	4	3.40	1	188
##	3827	3827	43	19	132	90089	1	5.00	1	0
##	3828	3828	39	14	128	93943	2	3.90	1	196
##	3829	3829	31	6	44	95616	4	0.80	1	122
##	3830	3830	65	39	44	92038	1	0.50	3	0
##	3831	3831	34	8	34	92130	2	2.00	3	0
##	3832	3832	37	12	132	90089	2	3.90	1	0
##	3833	3833	62	38	158	90230	2	2.10	1	0
##	3834	3834	33	9	83	93943	1	0.10	1	0
##	3835	3835	48	22	28	94720	1	1.40	3	75
##	3836	3836	33	9	131	90065	3	2.20	3	0
##	3837	3837	45	19	31	95616	3	0.50	2	0
##	3838	3838	44	19	40	92350	4	0.00	2	0
##	3839	3839	37	11	71	94501	2	1.80	1	127
##	3840	3840	31	5	42	93010	2	2.00	3	0
##	3841	3841	56	31	35	95211	3	0.10	2	114
##	3842	3842	30	4	81	94305	2	0.20	1	0
##	3843	3843	61	35	91	95136	2	2.00	1	0
##	3844	3844	32	7	129	94720	4	5.20	2	0
##	3845	3845	51	27	75	95828	1	2.70	1	0
##	3846	3846	26	1	54	94061	4	0.60	2	230
##	3847	3847	31	5	43	94720	1	1.50	1	0
##	3848	3848	43	18	94	94110	4	1.10	2	0
##	3849	3849	57	32	84	93106	4	1.30	3	0
##	3850	3850	42	18	34	92653	1	2.00	2	0
##	3851	3851	48	23	15	94061	4	0.80	1	0
##	3852	3852	46	21	99	90277	2	3.80	3	194
##	3853	3853	33	7	15	92152	1	0.40	2	82
##	3854	3854	45	21	83	94105	4	2.00	3	0
##	3855	3855	31	6	83	94720	4	1.80	3	0
##	3856	3856	42	18	143	95630	1	1.70	1	0
##	3857	3857	56	30	81	90401	4	2.60	3	0

##	3858	3858	63	39	39	91711	1	1.90	2	0
##	3859	3859	42	18	158	92124	2	0.40	2	277
##	3860	3860	50	24	62	90245	1	1.40	3	0
##	3861	3861	31	6	64	92121	2	0.10	1	0
##	3862	3862	65	40	29	90025	1	1.50	2	0
##	3863	3863	60	34	64	94104	3	2.50	1	0
##	3864	3864	34	10	21	91770	4	0.70	2	0
##	3865	3865	62	32	142	95112	2	2.80	3	0
##	3866	3866	56	30	64	93105	3	2.50	1	0
##	3867	3867	51	25	40	91401	4	1.80	1	0
##	3868	3868	44	19	61	94080	3	2.70	2	0
##	3869	3869	41	16	44	92037	1	0.30	3	0
##	3870	3870	43	16	78	95670	3	2.67	2	161
##	3871	3871	25	0	25	94596	2	0.90	3	0
##	3872	3872	40	16	125	91304	2	1.90	1	0
##	3873	3873	53	29	63	94720	2	1.00	3	0
##	3874	3874	54	30	54	94550	1	1.60	3	185
##	3875	3875	36	12	92	94709	2	0.00	1	184
##	3876	3876	26	2	119	95351	2	0.60	1	381
##	3877	3877	35	11	40	91784	1	2.40	2	0
##	3878	3878	29	4	41	93105	1	1.00	1	0
##	3879	3879	35	11	81	92064	2	0.00	1	0
##	3880	3880	28	4	101	95136	3	2.50	1	270
##	3881	3881	48	24	25	90024	4	0.50	2	0
##	3882	3882	46	20	55	91016	1	1.50	2	0
##	3883	3883	31	7	43	92646	1	2.10	3	166
##	3884	3884	40	16	98	94534	2	1.80	2	98
##	3885	3885	27	1	112	91330	4	2.30	3	402
##	3886	3886	32	2	69	93943	4	4.00	3	102
##	3887	3887	67	43	79	95616	4	1.70	2	215
##	3888	3888	24	-2	118	92634	2	7.20	1	0
##	3889	3889	45	18	81	95133	3	2.67	2	251
##	3890	3890	26	0	19	93014	1	0.10	2	121
##	3891	3891	42	17	139	91101	2	2.90	3	0
##	3892	3892	65	40	63	94701	3	0.50	2	0
##	3893	3893	59	33	102	91763	2	1.40	1	0
##	3894	3894	30	5	40	92521	4	1.70	2	0
##	3895	3895	32	6	44	92886	1	0.30	1	81
##	3896	3896	36	12	59	94104	3	2.00	1	216
##	3897	3897	48	24	224	93940	2	6.67	1	0
##	3898	3898	56	31	64	90245	2	2.30	3	0
##	3899	3899	44	20	129	96001	2	3.30	1	0
##	3900	3900	60	34	43	92697	1	1.40	1	0
##	3901	3901	51	27	12	92834	3	0.40	1	0
##	3902	3902	34	10	53	94107	3	2.60	2	0
##	3903	3903	45	21	39	93305	2	2.10	3	0
##	3904	3904	47	23	65	93943	1	0.00	1	0
##	3905	3905	29	5	18	94122	1	0.40	3	94
##	3906	3906	52	28	55	94596	1	1.60	3	0
##	3907	3907	61	35	60	90245	1	2.50	3	0
##	3908	3908	40	14	42	91330	2	0.30	1	187
##	3909	3909	24	0	44	90638	3	0.10	2	0
##	3910	3910	33	7	111	90245	2	1.30	1	0
##	3911	3911	33	8	62	94596	1	1.00	1	0

##	3912	3912	52	26	44	94025	2	0.80	3	148
##	3913	3913	40	14	69	95348	1	1.50	3	0
##	3914	3914	45	20	62	92064	3	0.80	3	172
##	3915	3915	27	3	35	94080	1	1.80	2	0
##	3916	3916	38	13	91	92037	1	2.80	1	0
##	3917	3917	50	26	12	92121	1	0.20	1	96
##	3918	3918	41	15	89	94608	3	0.10	1	292
##	3919	3919	60	34	65	90024	4	1.70	2	0
##	3920	3920	64	34	179	90024	2	4.50	3	400
##	3921	3921	34	8	82	93106	2	1.50	3	0
##	3922	3922	30	6	48	95812	1	1.20	1	0
##	3923	3923	31	4	20	95616	4	1.50	2	0
##	3924	3924	41	15	91	90502	1	2.80	3	330
##	3925	3925	61	37	122	94609	2	6.00	1	0
##	3926	3926	42	18	22	90717	1	1.40	3	0
##	3927	3927	48	23	43	94301	2	1.30	1	0
##	3928	3928	59	34	38	90291	4	1.70	1	0
##	3929	3929	57	33	61	92115	3	2.67	1	0
##	3930	3930	37	13	33	91773	4	0.40	2	0
##	3931	3931	53	27	145	95605	1	2.90	1	345
##	3932	3932	53	27	170	95003	1	1.00	1	0
##	3933	3933	26	2	55	94305	3	0.70	2	0
##	3934	3934	39	14	40	91302	1	2.50	3	0
##	3935	3935	35	11	68	94923	2	0.00	1	126
##	3936	3936	59	33	53	90034	3	2.50	1	0
##	3937	3937	43	18	63	95616	3	0.80	3	0
##	3938	3938	39	15	123	91604	2	2.20	1	92
##	3939	3939	49	24	13	95929	2	0.00	1	0
##	3940	3940	47	23	12	92110	4	0.20	1	102
##	3941	3941	41	17	53	93727	2	2.50	1	102
##	3942	3942	57	33	79	94588	1	2.70	2	294
##	3943	3943	42	17	89	90095	1	0.10	2	170
##	3944	3944	61	36	188	91360	1	9.30	2	0
##	3945	3945	56	26	62	91320	3	1.40	3	0
##	3946	3946	29	3	123	92821	3	5.60	3	428
##	3947	3947	25	-1	40	93117	3	2.40	2	0
##	3948	3948	32	8	119	94710	4	5.00	3	0
##	3949	3949	37	12	123	94304	4	3.10	2	253
##	3950	3950	31	5	23	93407	1	0.40	2	0
##	3951	3951	38	14	62	94143	1	1.50	3	255
##	3952	3952	40	14	69	92870	3	2.10	1	106
##	3953	3953	61	36	124	94611	2	3.90	1	0
##	3954	3954	50	26	52	93555	4	0.10	3	0
##	3955	3955	32	7	134	93108	2	3.10	1	0
##	3956	3956	62	36	58	94501	1	0.80	2	0
##	3957	3957	62	37	45	90033	3	0.50	2	200
##	3958	3958	40	15	75	95449	4	1.10	2	0
##	3959	3959	59	34	23	90009	4	0.40	2	78
##	3960	3960	43	19	123	91107	3	1.30	1	0
##	3961	3961	62	37	48	92028	3	2.20	1	0
##	3962	3962	48	22	145	95482	1	0.30	1	140
##	3963	3963	29	5	31	93014	1	1.00	3	0
##	3964	3964	58	32	38	93106	3	2.20	3	0
##	3965	3965	43	18	78	94025	4	1.90	3	0

##	3966	3966	39	15	94	91941	2	1.90	1	0
##	3967	3967	33	7	84	95051	1	2.90	3	0
##	3968	3968	40	15	22	94306	1	0.60	3	0
##	3969	3969	28	3	78	93108	4	0.20	1	0
##	3970	3970	38	11	75	94305	3	2.33	2	0
##	3971	3971	65	40	71	95060	3	2.20	1	0
##	3972	3972	35	11	24	95616	1	0.50	3	0
##	3973	3973	29	5	112	94998	2	4.33	1	0
##	3974	3974	61	35	53	90064	1	2.80	2	167
##	3975	3975	46	21	41	94305	1	0.50	3	0
##	3976	3976	50	23	25	91330	1	0.50	2	0
##	3977	3977	60	33	42	90277	4	2.50	2	194
##	3978	3978	54	27	51	94309	3	1.00	2	113
##	3979	3979	43	18	19	92325	2	0.30	2	0
##	3980	3980	38	14	90	93010	2	0.00	1	258
##	3981	3981	46	22	89	92866	4	1.40	2	0
##	3982	3982	64	39	22	92691	3	0.50	1	0
##	3983	3983	24	0	119	94566	1	1.50	1	0
##	3984	3984	39	13	93	93555	4	3.60	3	0
##	3985	3985	34	8	18	95741	4	0.30	1	0
##	3986	3986	65	40	32	90095	1	1.10	3	120
##	3987	3987	38	14	182	92152	3	2.60	3	0
##	3988	3988	62	36	19	95833	2	0.20	3	0
##	3989	3989	59	35	85	91330	1	3.40	3	0
##	3990	3990	49	25	90	92709	4	1.40	2	0
##	3991	3991	57	32	59	95014	2	3.70	1	134
##	3992	3992	64	38	84	94571	1	2.00	1	0
##	3993	3993	47	22	95	93311	2	3.90	2	0
##	3994	3994	30	6	13	93555	3	0.90	3	0
##	3995	3995	42	18	88	92675	4	0.80	1	0
##	3996	3996	53	28	34	92697	2	0.60	3	0
##	3997	3997	50	24	11	94501	4	0.60	3	0
##	3998	3998	62	38	80	94545	4	1.70	2	0
##	3999	3999	34	10	41	94102	1	1.33	1	0
##	4000	4000	47	21	90	90245	2	0.80	3	0
##	4001	4001	62	37	93	93003	3	3.00	3	0
##	4002	4002	61	35	81	94709	4	1.90	2	0
##	4003	4003	59	34	60	94015	2	2.80	1	0
##	4004	4004	47	21	39	92612	3	0.60	2	0
##	4005	4005	65	39	22	92507	3	0.70	2	0
##	4006	4006	56	32	32	95827	2	0.80	1	79
##	4007	4007	56	32	28	92130	1	1.20	3	0
##	4008	4008	31	7	35	91745	2	1.00	2	0
##	4009	4009	61	31	154	94555	3	7.50	3	351
##	4010	4010	42	18	189	91605	2	7.60	1	0
##	4011	4011	44	19	40	94618	4	1.90	3	84
##	4012	4012	47	21	88	94304	2	1.70	2	0
##	4013	4013	30	6	124	91320	2	0.60	1	0
##	4014	4014	62	38	23	91304	2	0.30	3	0
##	4015	4015	56	32	23	94720	4	0.70	1	0
##	4016	4016	25	-1	139	93106	2	2.00	1	0
##	4017	4017	53	28	173	91614	4	2.70	1	427
##	4018	4018	26	0	42	92009	4	1.30	3	153
##	4019	4019	59	35	161	94301	1	2.90	1	160

##	4020	4020	62	36	28	95020	3	0.70	2	0
##	4021	4021	58	32	191	93943	4	5.20	3	194
##	4022	4022	40	14	42	90638	2	0.30	1	106
##	4023	4023	35	5	81	94234	4	4.00	3	0
##	4024	4024	51	25	175	90089	3	0.70	1	312
##	4025	4025	41	15	82	94720	3	0.10	1	0
##	4026	4026	51	27	53	94114	1	1.80	3	0
##	4027	4027	27	1	142	92038	3	5.50	1	0
##	4028	4028	46	21	42	93727	4	1.90	3	0
##	4029	4029	46	20	64	94117	4	2.90	1	189
##	4030	4030	31	5	90	94301	2	1.30	1	0
##	4031	4031	58	32	44	92354	1	0.80	2	0
##	4032	4032	42	18	29	91320	1	0.30	3	0
##	4033	4033	59	35	93	94301	2	1.60	1	0
##	4034	4034	54	24	69	93117	3	1.40	3	132
##	4035	4035	35	11	82	94022	2	1.70	2	0
##	4036	4036	34	9	180	93955	2	6.50	3	0
##	4037	4037	46	21	13	93117	2	0.70	3	0
##	4038	4038	52	28	72	91335	1	0.00	1	178
##	4039	4039	55	30	54	91367	3	1.70	1	0
##	4040	4040	34	9	104	92152	1	4.60	1	0
##	4041	4041	57	32	44	90266	2	1.90	2	157
##	4042	4042	45	19	40	95060	1	0.20	1	0
##	4043	4043	29	3	190	92612	2	4.50	1	246
##	4044	4044	49	23	64	94588	4	2.60	1	0
##	4045	4045	36	11	9	90266	2	0.30	2	99
##	4046	4046	57	31	38	94720	4	0.70	2	0
##	4047	4047	25	0	72	94303	3	2.60	3	0
##	4048	4048	43	17	82	94114	1	5.20	1	79
##	4049	4049	27	2	48	90049	2	1.60	3	119
##	4050	4050	54	28	82	94122	4	2.60	3	294
##	4051	4051	53	26	14	94590	2	1.00	2	83
##	4052	4052	55	29	162	93105	1	2.90	1	0
##	4053	4053	43	19	54	94608	2	1.70	1	0
##	4054	4054	35	11	90	94720	2	0.00	1	0
##	4055	4055	59	34	64	94116	4	1.70	1	0
##	4056	4056	42	18	65	93460	3	2.10	3	0
##	4057	4057	51	25	113	91320	2	6.30	1	0
##	4058	4058	57	32	38	90740	2	2.10	3	0
##	4059	4059	39	15	65	92037	1	1.50	3	0
##	4060	4060	53	27	39	91330	4	1.50	3	0
##	4061	4061	31	6	174	93023	2	6.70	1	0
##	4062	4062	33	3	59	91040	2	1.75	3	0
##	4063	4063	38	14	43	95053	2	1.70	1	0
##	4064	4064	47	21	24	94108	2	0.10	3	0
##	4065	4065	63	39	50	94402	1	0.00	2	166
##	4066	4066	44	19	68	94305	1	3.70	3	0
##	4067	4067	61	37	61	94122	3	2.00	3	0
##	4068	4068	52	28	21	94025	4	0.50	2	0
##	4069	4069	59	34	21	95035	2	0.50	2	0
##	4070	4070	56	32	31	94596	4	1.30	1	0
##	4071	4071	58	33	70	94720	4	0.70	1	0
##	4072	4072	30	6	25	94304	3	1.00	2	135
##	4073	4073	42	17	78	92521	1	1.00	3	0

##	4074	4074	51	27	19	92120	1	0.20	1	0
##	4075	4075	60	35	23	94608	1	0.30	3	0
##	4076	4076	30	4	40	90601	4	0.80	1	0
##	4077	4077	49	23	22	92220	1	0.30	3	0
##	4078	4078	26	0	71	92093	4	1.80	2	0
##	4079	4079	36	12	58	91320	1	3.60	2	0
##	4080	4080	65	40	75	90036	3	2.20	1	0
##	4081	4081	27	0	40	90068	1	2.00	2	110
##	4082	4082	60	35	155	92521	1	1.50	3	0
##	4083	4083	32	6	83	90036	4	2.20	2	0
##	4084	4084	46	20	99	94302	3	1.10	1	0
##	4085	4085	60	36	59	94124	1	0.00	2	0
##	4086	4086	28	2	53	94609	3	2.40	2	0
##	4087	4087	50	26	11	93106	4	0.20	1	0
##	4088	4088	52	28	179	94583	4	4.20	3	0
##	4089	4089	29	-1	71	94801	2	1.75	3	0
##	4090	4090	30	4	85	94234	4	2.10	3	0
##	4091	4091	42	18	49	92717	3	2.10	3	0
##	4092	4092	32	6	122	94025	2	1.30	1	0
##	4093	4093	40	15	171	94539	2	3.30	1	0
##	4094	4094	49	24	138	93111	2	2.20	2	0
##	4095	4095	53	23	8	95616	4	0.40	3	0
##	4096	4096	42	17	59	94105	4	0.40	1	0
##	4097	4097	38	14	49	90740	3	2.80	1	0
##	4098	4098	60	34	92	95670	2	2.00	1	0
##	4099	4099	27	3	75	90032	4	0.00	1	0
##	4100	4100	61	35	60	92831	1	2.80	2	0
##	4101	4101	27	2	41	90254	2	1.70	2	0
##	4102	4102	45	21	40	93460	3	0.60	2	0
##	4103	4103	41	16	81	94305	2	0.40	1	146
##	4104	4104	44	20	52	94143	1	0.80	3	196
##	4105	4105	38	14	25	95616	4	1.00	1	0
##	4106	4106	39	15	139	91801	1	3.40	1	353
##	4107	4107	48	22	54	93106	1	1.20	2	0
##	4108	4108	47	22	81	94123	1	2.90	1	0
##	4109	4109	64	39	73	94025	3	2.20	1	0
##	4110	4110	27	0	30	93107	4	1.00	3	0
##	4111	4111	66	41	59	95617	3	2.40	1	0
##	4112	4112	43	17	21	95351	3	1.50	1	0
##	4113	4113	34	9	65	95014	3	0.70	2	104
##	4114	4114	28	2	41	93118	3	1.10	2	161
##	4115	4115	52	28	52	92126	4	0.10	3	121
##	4116	4116	45	20	84	94131	4	1.10	2	180
##	4117	4117	24	-2	135	90065	2	7.20	1	0
##	4118	4118	39	14	18	92037	4	0.20	3	0
##	4119	4119	40	16	34	93561	1	0.70	1	0
##	4120	4120	30	5	85	92624	4	1.80	3	0
##	4121	4121	49	23	23	94080	1	1.40	3	0
##	4122	4122	53	27	65	91711	4	2.80	2	0
##	4123	4123	56	30	195	90089	1	2.90	1	0
##	4124	4124	50	24	40	93460	4	2.60	1	89
##	4125	4125	53	29	141	90064	2	0.20	3	0
##	4126	4126	60	34	95	94104	2	0.70	2	322
##	4127	4127	58	33	23	90095	3	1.30	2	131

##	4128	4128	43	19	82	95758	2	1.80	2	0
##	4129	4129	46	21	53	93555	4	1.90	3	0
##	4130	4130	29	3	10	91320	4	0.40	1	87
##	4131	4131	56	30	75	91910	1	1.90	2	125
##	4132	4132	48	23	23	94534	4	0.40	2	122
##	4133	4133	61	36	133	90266	1	2.60	1	0
##	4134	4134	41	17	129	94720	1	3.40	1	0
##	4135	4135	35	11	85	92154	4	0.10	2	131
##	4136	4136	48	23	168	95929	2	2.80	1	308
##	4137	4137	43	19	83	92691	4	2.00	3	0
##	4138	4138	37	12	52	93943	2	1.10	2	0
##	4139	4139	47	22	114	95819	1	0.60	1	0
##	4140	4140	29	3	81	95827	1	2.90	3	0
##	4141	4141	63	38	32	94015	1	1.50	2	0
##	4142	4142	43	19	63	94118	3	2.10	3	0
##	4143	4143	57	32	70	90024	3	1.60	3	0
##	4144	4144	55	31	20	94720	2	0.30	1	0
##	4145	4145	47	23	138	91367	2	3.30	1	0
##	4146	4146	58	34	63	94305	4	1.60	2	0
##	4147	4147	53	28	85	95814	1	1.30	3	118
##	4148	4148	59	35	180	96008	2	6.50	2	0
##	4149	4149	46	22	80	95747	4	2.00	3	0
##	4150	4150	41	15	53	93106	1	0.70	3	0
##	4151	4151	46	20	72	92009	2	1.70	2	75
##	4152	4152	44	18	123	95841	3	5.90	1	0
##	4153	4153	44	18	91	91361	2	0.80	3	0
##	4154	4154	50	26	148	94608	2	6.80	1	0
##	4155	4155	51	25	163	94305	2	1.30	3	0
##	4156	4156	55	30	28	90291	4	0.10	3	149
##	4157	4157	37	12	193	92780	1	8.60	1	0
##	4158	4158	34	10	22	94545	3	0.90	3	0
##	4159	4159	59	34	74	92780	4	0.70	1	0
##	4160	4160	45	20	70	94305	4	1.90	3	0
##	4161	4161	30	4	11	95054	1	0.10	2	0
##	4162	4162	32	8	61	94703	3	2.60	2	0
##	4163	4163	61	37	41	94704	1	0.80	1	0
##	4164	4164	54	28	108	94110	4	1.90	2	0
##	4165	4165	35	10	23	90058	4	1.10	3	0
##	4166	4166	63	38	135	91768	2	3.80	3	183
##	4167	4167	66	40	30	95133	2	0.70	3	86
##	4168	4168	48	24	144	94025	4	3.50	2	0
##	4169	4169	60	34	139	95020	4	0.40	1	0
##	4170	4170	41	17	143	90059	2	2.70	3	209
##	4171	4171	31	7	44	93561	1	1.20	1	0
##	4172	4172	58	31	49	94521	4	2.50	2	0
##	4173	4173	67	42	75	90041	4	0.10	2	182
##	4174	4174	35	9	43	93943	2	0.30	1	0
##	4175	4175	40	14	59	91335	3	0.50	3	0
##	4176	4176	42	17	154	93955	3	4.90	1	0
##	4177	4177	44	18	75	95131	1	0.70	3	0
##	4178	4178	47	23	75	93106	1	2.60	2	0
##	4179	4179	59	35	88	91311	2	1.60	1	278
##	4180	4180	29	3	91	94122	1	3.40	3	0
##	4181	4181	36	6	11	92008	1	0.67	3	0

##	4182	4182	47	22	22	90024	1	0.40	3	0
##	4183	4183	55	29	49	92691	2	0.80	3	220
##	4184	4184	41	17	140	94542	1	3.50	1	342
##	4185	4185	51	25	99	90277	2	2.40	2	0
##	4186	4186	26	2	82	91950	2	2.50	1	199
##	4187	4187	33	9	10	90005	4	1.00	1	81
##	4188	4188	30	5	109	94305	4	2.20	2	103
##	4189	4189	30	4	45	90041	4	1.30	3	0
##	4190	4190	45	19	93	91116	2	1.70	2	0
##	4191	4191	40	16	89	95814	3	3.90	2	216
##	4192	4192	42	15	39	91711	3	1.00	2	132
##	4193	4193	50	26	21	91768	1	0.20	1	89
##	4194	4194	62	37	31	95008	3	0.20	1	0
##	4195	4195	63	37	31	95819	1	0.50	3	0
##	4196	4196	43	19	52	95054	4	2.20	2	0
##	4197	4197	49	25	13	95814	1	0.90	3	0
##	4198	4198	51	25	21	90840	2	0.40	3	76
##	4199	4199	61	36	50	96003	4	1.70	1	189
##	4200	4200	43	19	81	90630	4	0.20	3	0
##	4201	4201	43	19	74	94035	4	1.90	1	0
##	4202	4202	61	36	89	93109	3	0.50	1	0
##	4203	4203	35	9	82	95064	3	0.90	2	0
##	4204	4204	59	33	88	93106	4	1.90	2	0
##	4205	4205	40	16	61	91711	3	2.10	3	0
##	4206	4206	61	36	139	95133	2	3.90	1	0
##	4207	4207	48	23	29	93711	1	1.30	2	0
##	4208	4208	37	11	51	93305	3	2.10	1	0
##	4209	4209	56	32	58	95064	1	1.80	3	241
##	4210	4210	35	9	21	91125	2	1.40	3	125
##	4211	4211	35	8	43	95819	2	1.67	2	0
##	4212	4212	40	16	104	94301	2	1.80	2	0
##	4213	4213	50	23	9	94109	1	0.50	2	98
##	4214	4214	49	25	39	91125	3	1.90	2	0
##	4215	4215	46	22	89	94303	1	2.70	1	0
##	4216	4216	64	40	21	94028	2	0.30	3	0
##	4217	4217	60	35	173	90059	3	3.10	3	0
##	4218	4218	45	21	29	95051	1	0.30	3	105
##	4219	4219	52	27	43	94005	4	0.20	2	0
##	4220	4220	58	34	30	90066	3	0.40	2	0
##	4221	4221	54	30	39	94806	4	0.10	3	0
##	4222	4222	48	22	83	90028	2	0.40	3	248
##	4223	4223	51	25	58	93106	3	0.70	2	223
##	4224	4224	53	26	8	94709	1	0.50	2	0
##	4225	4225	57	27	39	95929	3	1.00	3	0
##	4226	4226	43	18	204	91902	2	8.80	1	0
##	4227	4227	37	13	45	94591	1	1.80	1	0
##	4228	4228	32	7	111	90277	1	3.80	1	0
##	4229	4229	34	10	83	95060	2	2.00	2	148
##	4230	4230	54	24	83	94596	1	3.00	3	0
##	4231	4231	62	36	115	92093	2	2.80	1	202
##	4232	4232	56	32	60	93106	1	1.80	3	227
##	4233	4233	39	15	53	94116	1	1.80	1	0
##	4234	4234	32	7	134	95929	2	3.30	1	0
##	4235	4235	50	24	91	93555	1	0.80	3	0

##	4236	4236	27	1	91	92173	2	0.20	1	0
##	4237	4237	37	12	128	91342	2	3.90	1	0
##	4238	4238	60	34	78	90401	3	4.40	1	0
##	4239	4239	43	19	161	92093	2	7.60	1	464
##	4240	4240	62	36	60	92182	3	2.20	3	0
##	4241	4241	39	14	161	95064	1	4.10	1	509
##	4242	4242	34	9	40	95054	4	2.00	2	0
##	4243	4243	46	21	68	94720	1	0.20	2	0
##	4244	4244	46	22	74	94550	3	0.70	1	0
##	4245	4245	51	26	55	92121	3	2.00	2	93
##	4246	4246	44	20	145	90630	1	3.50	1	0
##	4247	4247	60	35	24	94920	1	1.50	2	0
##	4248	4248	65	39	10	90210	1	0.80	2	0
##	4249	4249	58	33	138	90720	2	3.90	1	0
##	4250	4250	37	12	63	91942	4	2.10	3	0
##	4251	4251	52	28	54	90041	4	0.10	3	0
##	4252	4252	42	16	62	95064	3	0.90	3	0
##	4253	4253	54	29	81	91107	1	0.10	3	0
##	4254	4254	54	28	61	90601	3	3.00	2	0
##	4255	4255	51	27	68	91711	1	1.60	3	0
##	4256	4256	59	35	78	90095	2	2.80	1	0
##	4257	4257	41	17	165	91311	2	7.60	1	157
##	4258	4258	43	17	48	95762	3	2.20	2	0
##	4259	4259	52	26	155	92660	3	7.20	2	0
##	4260	4260	52	26	158	94920	2	3.70	3	251
##	4261	4261	57	31	52	94105	1	1.40	1	0
##	4262	4262	53	28	18	92507	4	0.80	1	0
##	4263	4263	58	33	42	92093	4	1.70	1	0
##	4264	4264	59	33	18	94542	2	0.20	3	0
##	4265	4265	57	31	40	94304	2	0.30	1	0
##	4266	4266	27	2	44	93943	4	0.60	2	0
##	4267	4267	42	16	11	94015	1	0.20	1	87
##	4268	4268	52	26	194	91902	2	5.70	2	0
##	4269	4269	49	23	108	95616	2	2.40	2	0
##	4270	4270	47	23	12	92518	4	0.50	2	0
##	4271	4271	45	19	19	93117	3	1.50	1	94
##	4272	4272	25	1	150	92507	1	6.33	1	0
##	4273	4273	47	22	89	92647	4	1.90	3	0
##	4274	4274	44	19	83	95812	2	3.80	3	0
##	4275	4275	30	3	79	91380	4	2.00	2	0
##	4276	4276	63	38	102	95616	4	3.40	2	0
##	4277	4277	50	24	155	92717	1	7.30	1	0
##	4278	4278	40	16	138	92612	1	3.50	1	0
##	4279	4279	56	31	51	92028	3	1.70	1	0
##	4280	4280	39	15	80	94608	2	1.80	2	86
##	4281	4281	42	18	135	95136	2	3.30	1	0
##	4282	4282	28	1	34	94949	4	1.50	2	162
##	4283	4283	26	0	195	92093	3	6.33	3	0
##	4284	4284	58	32	62	91320	3	2.20	3	217
##	4285	4285	38	13	173	94305	2	3.30	1	243
##	4286	4286	23	-3	149	93555	2	7.20	1	0
##	4287	4287	53	29	20	93955	1	0.20	1	131
##	4288	4288	54	28	42	95207	4	2.50	1	0
##	4289	4289	42	17	28	94010	1	0.60	3	0

##	4290	4290	54	28	95	90254	1	1.90	2	0
##	4291	4291	66	42	95	94596	2	0.00	3	0
##	4292	4292	46	21	34	90034	1	0.10	1	124
##	4293	4293	63	37	191	94131	2	4.30	3	205
##	4294	4294	63	38	41	90034	2	1.50	1	173
##	4295	4295	58	34	150	92110	1	7.40	1	481
##	4296	4296	65	41	91	91360	2	0.00	3	146
##	4297	4297	35	9	84	94709	4	2.20	2	0
##	4298	4298	33	9	73	92110	4	3.40	1	140
##	4299	4299	43	19	122	93106	1	0.30	1	0
##	4300	4300	30	5	73	90065	1	2.60	2	133
##	4301	4301	61	37	20	95973	2	0.30	3	0
##	4302	4302	49	24	130	92677	4	1.10	1	281
##	4303	4303	52	27	85	92037	3	3.40	3	0
##	4304	4304	45	21	134	94550	2	3.30	1	0
##	4305	4305	64	39	98	95678	3	1.80	2	80
##	4306	4306	26	1	54	91709	2	1.60	3	0
##	4307	4307	35	11	41	92123	3	2.00	1	0
##	4308	4308	45	19	128	94928	4	6.00	3	0
##	4309	4309	44	20	132	94115	3	2.60	1	308
##	4310	4310	34	8	188	94025	1	2.90	3	0
##	4311	4311	65	41	170	94143	4	6.10	2	0
##	4312	4312	32	8	14	90034	3	0.90	3	111
##	4313	4313	41	15	93	95616	1	2.80	3	0
##	4314	4314	52	28	79	94596	1	2.70	2	0
##	4315	4315	35	9	79	94305	4	2.20	2	0
##	4316	4316	51	26	62	90024	4	1.80	3	119
##	4317	4317	30	6	95	91950	2	0.20	1	0
##	4318	4318	58	33	60	92672	4	1.30	3	0
##	4319	4319	49	23	75	92374	1	1.50	2	0
##	4320	4320	63	38	85	91320	4	0.10	2	0
##	4321	4321	40	15	143	94801	1	4.10	1	0
##	4322	4322	27	0	34	92717	1	2.00	2	112
##	4323	4323	38	14	44	91320	2	1.70	1	0
##	4324	4324	52	28	31	92008	4	0.90	2	151
##	4325	4325	49	24	13	94538	4	0.80	1	111
##	4326	4326	59	35	52	95616	4	1.50	1	0
##	4327	4327	32	8	42	95136	1	0.20	3	102
##	4328	4328	30	4	102	91775	4	2.10	3	139
##	4329	4329	64	38	143	95039	2	6.40	3	0
##	4330	4330	59	33	10	94063	4	0.70	3	0
##	4331	4331	62	37	44	90401	1	1.10	3	0
##	4332	4332	61	37	158	94720	2	6.00	1	306
##	4333	4333	53	26	12	92672	2	1.00	2	0
##	4334	4334	51	26	59	90095	1	1.20	1	139
##	4335	4335	55	29	92	92130	1	1.90	2	0
##	4336	4336	36	10	82	94542	2	2.80	1	0
##	4337	4337	44	19	44	90509	4	0.00	2	0
##	4338	4338	26	2	182	93010	2	3.20	2	0
##	4339	4339	54	30	121	92121	2	0.40	1	0
##	4340	4340	35	11	38	95518	1	1.70	1	0
##	4341	4341	34	10	92	90024	2	2.70	1	0
##	4342	4342	28	3	53	94305	2	1.60	3	0
##	4343	4343	32	7	45	93611	3	2.30	1	83

##	4344	4344	38	14	63	95422	1	3.60	2	0
##	4345	4345	53	28	181	95051	1	8.10	1	0
##	4346	4346	26	1	184	94608	2	4.20	3	577
##	4347	4347	45	21	33	94970	3	0.50	1	136
##	4348	4348	58	33	22	90024	3	0.20	1	0
##	4349	4349	59	33	99	92093	2	2.70	1	0
##	4350	4350	45	18	44	90089	3	1.00	2	193
##	4351	4351	64	39	101	95134	4	3.40	2	0
##	4352	4352	30	3	32	94132	1	2.00	2	0
##	4353	4353	40	16	59	94305	4	2.67	1	0
##	4354	4354	61	36	25	94015	2	0.50	2	0
##	4355	4355	40	16	140	93940	3	5.60	1	0
##	4356	4356	40	10	29	94720	1	0.75	3	0
##	4357	4357	43	19	35	90630	1	0.70	1	0
##	4358	4358	39	14	141	93302	4	6.30	1	0
##	4359	4359	35	11	75	92672	4	2.00	3	79
##	4360	4360	38	12	58	95054	2	2.80	1	0
##	4361	4361	67	43	41	90024	2	1.10	1	0
##	4362	4362	55	30	42	93940	2	2.00	2	196
##	4363	4363	28	2	55	93940	3	1.10	2	0
##	4364	4364	30	4	18	93711	4	0.30	2	84
##	4365	4365	59	35	75	92121	4	2.30	3	0
##	4366	4366	26	2	85	95020	2	2.50	1	0
##	4367	4367	52	28	43	90089	4	1.10	2	0
##	4368	4368	40	15	149	90250	2	3.90	1	319
##	4369	4369	31	7	25	93943	2	1.00	2	0
##	4370	4370	50	25	19	94005	4	0.40	2	103
##	4371	4371	27	3	18	93524	1	0.40	3	0
##	4372	4372	64	39	13	90024	4	0.60	2	0
##	4373	4373	34	10	41	91765	1	2.40	2	0
##	4374	4374	30	6	139	94501	1	4.30	1	0
##	4375	4375	39	15	62	93955	3	2.33	1	131
##	4376	4376	34	10	51	90032	3	2.00	1	130
##	4377	4377	40	15	71	93950	3	3.00	1	272
##	4378	4378	33	8	145	92507	1	2.70	3	0
##	4379	4379	38	12	45	91768	4	1.20	2	138
##	4380	4380	42	17	53	93023	4	1.90	3	0
##	4381	4381	37	13	64	94105	1	1.50	3	0
##	4382	4382	33	8	39	94542	4	0.80	1	0
##	4383	4383	60	34	38	92182	3	2.20	3	0
##	4384	4384	28	4	85	94709	3	2.50	1	0
##	4385	4385	45	20	61	92717	3	2.70	2	0
##	4386	4386	56	32	23	94610	1	1.20	3	127
##	4387	4387	53	27	122	94305	1	2.40	1	330
##	4388	4388	37	12	72	91380	4	0.70	3	0
##	4389	4389	47	21	123	90840	1	7.30	1	0
##	4390	4390	58	32	40	90057	1	1.60	1	0
##	4391	4391	52	26	62	95134	4	2.80	2	0
##	4392	4392	46	22	113	94105	2	3.30	1	0
##	4393	4393	52	27	81	92634	4	3.80	2	0
##	4394	4394	24	0	59	95521	4	1.60	1	0
##	4395	4395	57	31	25	94523	2	0.70	2	103
##	4396	4396	66	41	25	94720	4	0.60	2	0
##	4397	4397	30	5	14	95014	4	0.50	3	0

##	4398	4398	48	23	19	90058	1	0.10	1	0
##	4399	4399	63	37	61	91942	1	2.50	3	0
##	4400	4400	48	23	21	94904	1	0.10	1	0
##	4401	4401	34	10	44	94143	1	1.33	1	0
##	4402	4402	60	35	42	91902	3	1.50	1	0
##	4403	4403	55	25	52	90095	1	1.40	3	207
##	4404	4404	50	24	112	92064	1	0.00	1	0
##	4405	4405	29	5	34	94301	1	0.40	3	0
##	4406	4406	61	35	83	91320	2	1.70	3	245
##	4407	4407	50	25	24	95133	4	0.40	2	137
##	4408	4408	37	13	71	90755	2	1.70	2	0
##	4409	4409	64	40	181	93403	2	2.30	2	0
##	4410	4410	43	19	75	91765	4	0.20	3	102
##	4411	4411	39	14	153	91614	2	3.00	1	0
##	4412	4412	23	-2	75	90291	2	1.80	2	0
##	4413	4413	34	10	19	91711	4	0.40	2	0
##	4414	4414	29	2	31	91775	4	1.50	2	0
##	4415	4415	33	8	178	94720	3	8.50	1	0
##	4416	4416	60	35	65	90245	2	1.50	1	220
##	4417	4417	49	25	8	94720	1	0.30	1	97
##	4418	4418	54	28	92	92374	2	1.10	1	0
##	4419	4419	59	34	145	95125	4	1.80	1	198
##	4420	4420	42	17	85	93065	1	3.70	3	272
##	4421	4421	62	38	149	92130	1	4.70	1	0
##	4422	4422	63	38	9	94707	4	0.60	2	100
##	4423	4423	57	31	164	94607	2	3.80	3	422
##	4424	4424	61	36	40	95816	3	0.50	2	100
##	4425	4425	35	10	54	93943	1	2.50	3	0
##	4426	4426	26	0	164	95973	2	4.00	3	301
##	4427	4427	33	8	140	95814	1	4.60	1	0
##	4428	4428	31	7	18	91711	1	0.40	3	0
##	4429	4429	51	27	12	95818	4	1.00	1	0
##	4430	4430	55	29	140	94720	2	2.70	1	0
##	4431	4431	38	12	24	94588	2	0.80	3	0
##	4432	4432	38	12	60	92806	2	1.80	1	0
##	4433	4433	53	27	50	92660	2	0.80	3	0
##	4434	4434	62	38	44	92612	1	1.90	2	0
##	4435	4435	35	9	51	94596	4	2.20	2	110
##	4436	4436	46	21	34	90840	2	1.30	1	116
##	4437	4437	60	35	33	90095	2	0.50	2	0
##	4438	4438	63	38	63	92507	2	1.50	1	0
##	4439	4439	43	18	22	90025	2	0.00	3	0
##	4440	4440	33	7	104	94542	2	3.60	3	0
##	4441	4441	43	19	75	90041	3	0.30	3	0
##	4442	4442	62	36	75	92709	2	1.70	3	0
##	4443	4443	48	23	62	91367	4	3.60	3	83
##	4444	4444	38	14	48	90034	1	1.80	1	169
##	4445	4445	36	10	73	95035	2	2.80	1	0
##	4446	4446	49	25	135	90064	2	1.40	1	82
##	4447	4447	61	35	61	92177	3	2.20	3	117
##	4448	4448	49	22	78	95616	3	2.00	2	0
##	4449	4449	59	34	40	94102	3	0.90	3	0
##	4450	4450	30	6	44	95211	1	0.20	3	0
##	4451	4451	44	20	45	94111	2	2.50	1	0

##	4452	4452	67	41	18	92130	2	0.40	1	0
##	4453	4453	59	35	53	90035	4	2.30	3	174
##	4454	4454	37	11	11	94112	3	0.10	2	0
##	4455	4455	50	24	38	94143	3	0.60	2	0
##	4456	4456	56	31	28	94040	1	1.50	2	0
##	4457	4457	29	3	35	94040	2	0.30	1	88
##	4458	4458	55	29	81	92843	3	1.70	2	171
##	4459	4459	48	22	90	94590	2	0.80	3	205
##	4460	4460	32	8	115	90064	1	4.00	1	0
##	4461	4461	47	22	78	92093	1	0.20	2	0
##	4462	4462	46	21	30	94301	4	1.90	3	0
##	4463	4463	33	7	39	95630	4	0.80	1	0
##	4464	4464	39	13	69	94123	3	0.10	1	0
##	4465	4465	60	35	29	93943	3	0.20	1	79
##	4466	4466	39	15	54	94108	4	2.20	2	0
##	4467	4467	34	10	60	90071	3	2.80	1	0
##	4468	4468	55	30	99	91768	1	0.10	3	0
##	4469	4469	67	42	51	94117	3	2.20	1	0
##	4470	4470	40	14	53	94025	3	0.50	3	0
##	4471	4471	44	20	111	91911	2	5.30	2	0
##	4472	4472	56	30	79	94588	3	0.80	1	302
##	4473	4473	50	25	90	95616	1	2.80	2	0
##	4474	4474	31	5	18	92115	2	0.30	1	124
##	4475	4475	66	41	73	95817	3	2.40	1	0
##	4476	4476	43	18	59	95039	3	0.80	3	91
##	4477	4477	58	32	40	95833	2	0.30	1	0
##	4478	4478	33	9	41	92028	1	1.50	2	0
##	4479	4479	33	9	53	91380	1	2.10	3	0
##	4480	4480	32	8	128	93117	2	4.33	1	0
##	4481	4481	55	30	145	92037	2	6.00	3	0
##	4482	4482	25	-2	35	95045	4	1.00	3	0
##	4483	4483	40	14	28	90404	2	0.80	3	0
##	4484	4484	54	28	155	90095	1	1.00	1	256
##	4485	4485	36	11	195	95747	2	3.00	1	0
##	4486	4486	35	9	50	92182	4	2.20	2	0
##	4487	4487	44	19	48	92735	3	0.80	3	0
##	4488	4488	38	14	81	94583	1	3.60	2	0
##	4489	4489	30	4	50	91030	1	1.50	1	0
##	4490	4490	39	13	21	95518	3	0.20	2	0
##	4491	4491	35	9	142	90250	2	0.00	1	0
##	4492	4492	41	16	64	91604	4	0.40	1	0
##	4493	4493	56	26	91	94939	1	3.00	3	0
##	4494	4494	52	28	74	96064	1	2.60	2	0
##	4495	4495	29	4	182	95354	1	3.70	3	0
##	4496	4496	38	14	82	95616	4	2.67	1	0
##	4497	4497	51	25	45	95616	4	2.60	1	0
##	4498	4498	45	21	85	95136	2	3.20	1	0
##	4499	4499	51	26	133	90291	1	0.60	1	328
##	4500	4500	53	26	22	91304	1	0.50	2	0
##	4501	4501	50	26	24	94305	4	0.50	2	0
##	4502	4502	59	33	38	94132	3	2.20	3	178
##	4503	4503	57	32	80	92647	2	0.00	3	0
##	4504	4504	45	21	33	92374	3	0.50	1	108
##	4505	4505	27	1	41	93023	4	1.80	3	147

##	4506	4506	40	15	90	94063	4	1.10	2	0
##	4507	4507	39	13	89	92037	1	2.80	3	153
##	4508	4508	26	1	8	94550	2	0.90	3	0
##	4509	4509	27	2	85	94117	1	1.90	1	0
##	4510	4510	55	30	53	94550	3	1.70	1	0
##	4511	4511	64	39	20	93109	3	0.10	3	0
##	4512	4512	41	17	9	91911	1	1.00	1	0
##	4513	4513	46	22	25	95747	4	0.60	1	0
##	4514	4514	43	19	114	92325	1	1.70	1	0
##	4515	4515	24	-3	41	91768	4	1.00	3	0
##	4516	4516	29	3	49	94305	4	2.10	3	0
##	4517	4517	58	32	12	95929	4	0.70	3	0
##	4518	4518	45	18	50	91902	3	2.50	2	0
##	4519	4519	53	28	30	94609	4	0.20	2	0
##	4520	4520	45	21	32	92399	4	0.60	1	77
##	4521	4521	32	7	41	94706	4	2.00	2	0
##	4522	4522	56	31	25	95123	3	0.10	2	0
##	4523	4523	31	5	29	90630	1	0.30	1	0
##	4524	4524	29	4	50	94040	4	1.70	2	0
##	4525	4525	48	24	79	94542	3	0.70	1	0
##	4526	4526	36	11	110	94110	1	3.80	1	0
##	4527	4527	36	9	40	92518	2	1.67	2	129
##	4528	4528	41	16	18	90024	1	0.60	3	0
##	4529	4529	48	23	48	94086	1	0.30	1	0
##	4530	4530	27	0	40	92103	4	1.00	3	0
##	4531	4531	33	9	19	95370	2	1.00	2	92
##	4532	4532	31	7	35	94025	1	1.33	1	131
##	4533	4533	48	22	133	90073	2	3.10	2	0
##	4534	4534	59	34	19	95762	2	0.50	2	0
##	4535	4535	41	17	83	94025	4	2.67	1	0
##	4536	4536	42	18	39	96091	3	2.10	3	0
##	4537	4537	62	37	38	92354	3	0.50	2	0
##	4538	4538	62	36	63	95929	1	2.50	3	0
##	4539	4539	51	24	85	94305	3	2.00	2	0
##	4540	4540	48	24	14	94305	4	1.00	1	0
##	4541	4541	56	32	64	90210	4	1.50	1	0
##	4542	4542	62	38	124	95023	1	3.80	1	405
##	4543	4543	53	29	20	94131	1	0.20	1	0
##	4544	4544	62	38	33	95134	3	0.10	3	0
##	4545	4545	28	4	80	95819	3	2.50	1	0
##	4546	4546	61	35	35	90025	2	0.20	3	0
##	4547	4547	48	24	74	91109	3	0.70	1	0
##	4548	4548	50	25	32	94304	2	0.70	2	0
##	4549	4549	58	33	73	93109	4	0.70	1	241
##	4550	4550	53	29	41	94080	2	0.80	1	0
##	4551	4551	65	40	18	95621	1	1.50	2	0
##	4552	4552	27	0	28	91330	4	1.50	2	0
##	4553	4553	50	23	64	92037	1	2.67	2	0
##	4554	4554	50	25	44	92093	2	0.70	2	192
##	4555	4555	41	16	109	94801	3	1.00	1	0
##	4556	4556	43	19	71	95054	3	0.30	3	179
##	4557	4557	55	29	79	94608	2	1.10	1	0
##	4558	4558	33	9	30	95054	2	1.00	2	0
##	4559	4559	44	19	82	95521	2	0.40	1	0

##	4560	4560	47	20	101	91950	3	2.00	2	270
##	4561	4561	43	18	13	94709	2	0.10	2	0
##	4562	4562	59	33	59	91365	3	1.40	3	0
##	4563	4563	65	40	64	94928	2	1.50	1	0
##	4564	4564	28	2	188	92350	2	4.50	1	0
##	4565	4565	58	32	28	90095	2	0.30	1	148
##	4566	4566	33	8	120	92614	2	4.20	3	76
##	4567	4567	24	0	131	92831	1	5.40	1	0
##	4568	4568	46	20	19	94105	3	0.50	2	97
##	4569	4569	26	0	44	94305	4	1.30	3	0
##	4570	4570	47	21	49	92152	3	2.20	2	0
##	4571	4571	32	6	99	91902	2	4.50	3	249
##	4572	4572	58	28	95	94304	1	3.00	3	0
##	4573	4573	32	7	81	95112	4	1.80	3	0
##	4574	4574	46	20	73	95616	2	0.80	3	264
##	4575	4575	35	11	193	91765	2	6.50	1	0
##	4576	4576	53	27	115	90095	2	0.50	3	0
##	4577	4577	55	30	41	93003	2	0.60	3	0
##	4578	4578	63	37	80	90401	2	1.70	3	0
##	4579	4579	45	20	90	94143	4	1.10	2	0
##	4580	4580	58	32	41	94305	1	0.20	1	81
##	4581	4581	50	24	102	91103	2	6.30	1	0
##	4582	4582	37	13	59	94234	1	1.50	3	0
##	4583	4583	25	-1	69	92691	3	0.30	3	0
##	4584	4584	52	26	83	92521	1	3.10	1	0
##	4585	4585	26	0	49	90089	3	2.40	2	0
##	4586	4586	35	11	180	94010	1	3.60	3	571
##	4587	4587	58	32	61	91910	3	2.20	3	0
##	4588	4588	37	11	59	94720	4	0.20	3	0
##	4589	4589	35	10	85	95351	4	2.10	3	0
##	4590	4590	31	7	13	93727	1	0.50	3	0
##	4591	4591	58	34	151	94022	3	0.60	2	0
##	4592	4592	43	16	44	94577	3	1.00	2	0
##	4593	4593	43	18	53	92115	3	0.80	3	154
##	4594	4594	54	30	133	95747	1	5.00	2	0
##	4595	4595	53	27	31	91320	3	0.90	3	78
##	4596	4596	32	7	101	90232	4	2.20	2	0
##	4597	4597	37	13	61	95131	3	2.80	1	0
##	4598	4598	34	10	68	90095	3	2.60	2	0
##	4599	4599	51	26	21	94143	4	0.80	1	0
##	4600	4600	49	25	149	90024	2	0.40	1	0
##	4601	4601	54	24	75	93555	1	1.40	3	0
##	4602	4602	37	12	55	95630	1	2.50	3	0
##	4603	4603	57	32	81	94305	2	3.70	1	226
##	4604	4604	37	12	179	91768	1	8.60	1	0
##	4605	4605	32	7	81	90601	2	3.40	2	0
##	4606	4606	48	22	42	94611	1	1.20	2	0
##	4607	4607	44	20	199	94607	2	6.67	1	0
##	4608	4608	50	23	18	93117	1	0.50	2	0
##	4609	4609	44	19	28	91604	1	0.30	3	0
##	4610	4610	54	28	80	95006	4	2.60	3	143
##	4611	4611	37	13	79	91330	1	3.60	2	104
##	4612	4612	34	7	52	93940	2	1.00	2	0
##	4613	4613	32	6	18	92007	2	0.30	2	0

##	4614	4614	63	38	52	91361	4	1.70	1	218
##	4615	4615	56	30	15	92093	4	0.70	3	102
##	4616	4616	37	12	84	93943	4	0.70	3	0
##	4617	4617	66	41	114	92521	1	0.80	3	0
##	4618	4618	38	13	41	95521	3	0.50	3	0
##	4619	4619	35	9	29	95354	3	0.90	1	126
##	4620	4620	61	36	23	95521	1	0.10	1	96
##	4621	4621	52	26	84	94132	1	2.40	1	0
##	4622	4622	57	32	60	93407	3	1.70	1	0
##	4623	4623	47	20	13	94545	3	0.67	2	0
##	4624	4624	50	25	45	90813	2	0.60	3	0
##	4625	4625	36	11	83	90638	1	2.80	1	0
##	4626	4626	45	21	102	92037	4	4.70	2	81
##	4627	4627	58	34	58	90034	4	2.30	3	169
##	4628	4628	27	1	134	93106	1	1.70	2	307
##	4629	4629	27	1	130	94801	3	2.90	2	0
##	4630	4630	48	24	148	91311	2	3.30	1	0
##	4631	4631	46	21	92	92886	1	0.20	2	0
##	4632	4632	32	8	142	90095	4	6.20	2	120
##	4633	4633	54	29	62	94720	4	0.70	1	0
##	4634	4634	31	5	50	93106	1	1.50	1	0
##	4635	4635	42	17	29	94928	1	0.60	3	0
##	4636	4636	30	5	85	91910	2	2.50	1	293
##	4637	4637	41	16	78	95616	4	0.40	1	0
##	4638	4638	44	19	85	92054	4	1.90	3	0
##	4639	4639	37	13	89	91711	2	1.70	2	0
##	4640	4640	51	25	33	92866	3	0.90	3	0
##	4641	4641	30	6	42	90034	1	2.10	3	0
##	4642	4642	36	11	31	94022	4	1.70	1	124
##	4643	4643	65	40	143	95616	4	6.60	2	0
##	4644	4644	33	7	35	95616	4	0.80	1	0
##	4645	4645	58	34	22	94608	1	0.10	2	0
##	4646	4646	34	10	45	92038	1	1.70	1	84
##	4647	4647	38	13	119	94545	2	3.30	1	0
##	4648	4648	59	35	43	95616	4	1.30	1	0
##	4649	4649	37	11	75	94704	3	0.90	2	0
##	4650	4650	59	35	121	91423	1	4.30	1	0
##	4651	4651	47	23	63	95521	1	0.80	3	0
##	4652	4652	48	24	58	94005	2	1.70	1	0
##	4653	4653	38	12	184	91311	3	8.00	1	0
##	4654	4654	34	10	155	92780	2	6.50	1	0
##	4655	4655	44	17	69	90095	3	2.67	2	0
##	4656	4656	33	7	188	95054	2	7.00	2	581
##	4657	4657	47	21	38	91101	3	0.60	2	0
##	4658	4658	41	16	9	90089	2	0.30	2	0
##	4659	4659	36	11	69	95929	4	2.10	3	0
##	4660	4660	28	4	199	92121	1	6.33	1	0
##	4661	4661	59	35	38	92122	1	0.80	1	0
##	4662	4662	43	19	129	95039	1	5.00	1	0
##	4663	4663	56	31	59	94303	2	1.90	2	0
##	4664	4664	28	3	115	92407	1	1.90	1	200
##	4665	4665	62	37	83	93657	4	0.10	2	0
##	4666	4666	40	16	65	90095	2	3.20	1	0
##	4667	4667	34	9	72	94555	3	2.30	1	124

##	4668	4668	52	28	72	94720	1	1.60	3	0
##	4669	4669	40	14	63	94025	3	0.50	3	221
##	4670	4670	27	1	64	94501	4	1.80	2	0
##	4671	4671	52	26	194	94305	1	1.70	1	0
##	4672	4672	39	14	104	95035	1	4.00	3	0
##	4673	4673	52	26	180	95831	1	1.70	1	550
##	4674	4674	50	23	18	95503	2	1.00	2	88
##	4675	4675	40	14	93	93933	1	2.80	3	328
##	4676	4676	35	11	32	91360	1	1.33	1	137
##	4677	4677	39	13	68	91950	3	2.10	1	0
##	4678	4678	25	0	38	93407	2	1.60	3	0
##	4679	4679	33	7	115	93305	1	2.70	2	283
##	4680	4680	26	0	161	94551	2	7.20	1	0
##	4681	4681	46	21	154	90245	2	2.80	1	94
##	4682	4682	27	3	68	95503	4	0.00	1	0
##	4683	4683	55	25	44	92093	3	1.00	3	0
##	4684	4684	52	28	149	92121	2	0.40	1	0
##	4685	4685	59	34	103	91360	1	2.60	1	0
##	4686	4686	63	39	41	91355	4	1.30	2	0
##	4687	4687	61	35	113	91741	2	2.80	1	0
##	4688	4688	58	34	48	93460	4	1.30	2	0
##	4689	4689	29	3	69	92093	4	1.80	2	0
##	4690	4690	51	27	43	95053	4	1.10	2	164
##	4691	4691	59	34	19	92192	1	0.30	3	0
##	4692	4692	41	17	65	90024	3	2.10	3	0
##	4693	4693	59	35	32	92064	3	0.40	2	0
##	4694	4694	52	28	20	95616	1	0.30	1	0
##	4695	4695	39	13	25	94132	2	0.80	3	0
##	4696	4696	45	19	70	95605	1	2.80	1	0
##	4697	4697	59	35	70	92103	4	2.30	3	0
##	4698	4698	49	22	103	91330	3	2.00	2	167
##	4699	4699	48	22	162	94143	3	1.40	1	400
##	4700	4700	61	36	61	91320	2	2.80	1	153
##	4701	4701	31	7	170	95006	1	6.00	1	0
##	4702	4702	42	16	49	90034	1	2.80	1	0
##	4703	4703	35	5	108	90630	2	2.75	3	0
##	4704	4704	57	27	62	94025	3	2.00	3	0
##	4705	4705	54	28	102	91360	3	1.70	2	0
##	4706	4706	61	37	141	92677	3	0.70	1	0
##	4707	4707	60	36	8	92626	2	1.00	1	0
##	4708	4708	59	35	91	95008	2	1.60	1	0
##	4709	4709	62	37	10	92606	3	0.50	1	0
##	4710	4710	26	1	35	90089	2	1.70	2	119
##	4711	4711	41	17	71	92182	3	0.30	3	0
##	4712	4712	65	40	59	94022	3	2.40	1	0
##	4713	4713	25	0	14	94309	2	0.90	3	0
##	4714	4714	25	1	122	93022	2	0.20	1	0
##	4715	4715	27	3	81	90291	3	1.50	1	307
##	4716	4716	65	39	35	92009	1	0.50	3	150
##	4717	4717	60	34	83	95616	2	1.40	1	75
##	4718	4718	29	5	121	95449	1	1.50	1	0
##	4719	4719	32	6	35	91107	3	1.00	1	0
##	4720	4720	32	8	140	94102	4	6.60	3	0
##	4721	4721	41	15	88	90740	1	2.80	3	0

##	4722	4722	52	26	70	94117	2	1.10	1	0
##	4723	4723	40	16	63	92807	1	1.50	3	0
##	4724	4724	39	15	125	90250	1	3.50	1	0
##	4725	4725	34	8	21	94107	4	1.00	1	0
##	4726	4726	34	8	75	95814	2	1.80	1	0
##	4727	4727	34	10	38	95039	1	1.33	1	0
##	4728	4728	41	17	58	92009	4	2.67	1	0
##	4729	4729	59	35	31	90630	3	0.40	2	0
##	4730	4730	40	14	18	90049	4	1.50	3	0
##	4731	4731	52	27	29	94720	1	1.50	2	159
##	4732	4732	37	11	29	91711	2	1.40	3	0
##	4733	4733	39	13	69	92096	3	0.10	1	247
##	4734	4734	49	23	121	90032	1	4.90	1	0
##	4735	4735	63	39	64	95814	1	1.80	3	147
##	4736	4736	34	9	84	94707	4	2.20	2	323
##	4737	4737	51	25	65	94143	3	0.70	2	0
##	4738	4738	61	36	85	94998	3	1.80	2	0
##	4739	4739	56	32	44	94575	3	1.50	1	153
##	4740	4740	62	38	174	94305	1	4.70	1	0
##	4741	4741	56	30	178	93940	1	2.90	1	0
##	4742	4742	58	32	55	93106	4	2.50	1	0
##	4743	4743	58	33	25	92121	4	0.90	2	90
##	4744	4744	50	26	21	94305	1	0.20	1	0
##	4745	4745	44	20	72	95616	3	0.30	3	0
##	4746	4746	49	23	129	94085	1	0.30	1	0
##	4747	4747	31	7	18	95616	1	0.40	3	0
##	4748	4748	49	25	91	94704	4	1.40	2	0
##	4749	4749	43	18	38	94309	1	0.50	3	144
##	4750	4750	31	5	21	94115	3	1.00	1	0
##	4751	4751	66	41	38	95134	1	1.10	3	0
##	4752	4752	41	17	154	92697	1	1.70	1	0
##	4753	4753	39	14	178	92123	1	4.10	1	207
##	4754	4754	46	21	85	92867	1	0.20	2	0
##	4755	4755	57	33	93	94025	2	1.60	1	161
##	4756	4756	59	35	151	93106	2	6.00	1	0
##	4757	4757	30	4	78	92677	4	2.20	2	236
##	4758	4758	26	2	135	94588	1	1.50	1	0
##	4759	4759	46	21	40	90045	1	0.30	1	116
##	4760	4760	66	41	80	92093	4	0.10	2	0
##	4761	4761	50	25	18	95819	2	0.00	1	0
##	4762	4762	61	35	74	91320	2	0.70	2	0
##	4763	4763	37	7	94	91016	4	1.80	3	232
##	4764	4764	51	25	173	95051	1	0.50	2	0
##	4765	4765	56	32	88	95051	4	1.00	2	0
##	4766	4766	58	34	82	94025	1	4.30	1	263
##	4767	4767	41	15	54	91775	3	2.10	1	0
##	4768	4768	35	9	45	90639	3	0.90	1	101
##	4769	4769	38	14	39	93118	1	2.00	2	0
##	4770	4770	26	2	20	95064	4	1.00	1	116
##	4771	4771	35	5	93	90095	4	1.80	3	0
##	4772	4772	36	11	85	90502	3	1.20	3	0
##	4773	4773	26	2	95	92130	3	0.80	1	0
##	4774	4774	53	28	48	92029	2	1.90	2	0
##	4775	4775	56	32	22	91768	1	1.20	3	0

##	4776	4776	44	14	33	94063	1	0.75	3	171
##	4777	4777	47	23	40	95123	2	2.10	3	156
##	4778	4778	32	8	30	94534	4	0.40	2	78
##	4779	4779	52	27	22	90755	4	0.80	1	0
##	4780	4780	39	14	20	90747	1	0.60	3	0
##	4781	4781	47	20	49	92104	3	2.50	2	0
##	4782	4782	35	9	25	94526	3	0.10	2	0
##	4783	4783	26	0	150	91311	2	7.20	1	0
##	4784	4784	43	19	32	94720	4	0.30	1	0
##	4785	4785	52	28	9	90405	2	0.20	1	0
##	4786	4786	30	5	23	94304	2	0.90	3	0
##	4787	4787	36	12	18	95521	4	1.00	1	0
##	4788	4788	48	22	42	95054	3	0.60	2	121
##	4789	4789	36	10	39	92009	1	2.00	1	153
##	4790	4790	58	34	84	95120	4	1.60	2	0
##	4791	4791	35	11	101	94143	3	3.80	3	150
##	4792	4792	59	35	43	91791	4	0.40	1	0
##	4793	4793	36	10	28	90840	4	1.00	1	130
##	4794	4794	45	21	59	94703	2	2.50	1	155
##	4795	4795	56	30	29	94110	4	1.50	3	146
##	4796	4796	46	21	39	91710	2	1.30	1	101
##	4797	4797	26	0	42	95032	4	1.30	3	0
##	4798	4798	37	11	24	94115	4	1.00	1	0
##	4799	4799	44	20	62	91604	3	0.30	3	0
##	4800	4800	44	20	33	94306	4	0.30	1	142
##	4801	4801	33	7	73	94028	1	2.50	1	135
##	4802	4802	34	10	88	94404	2	0.00	1	121
##	4803	4803	35	11	58	91330	3	2.80	1	0
##	4804	4804	48	24	48	92064	2	2.10	3	0
##	4805	4805	58	32	40	94124	1	2.80	2	0
##	4806	4806	30	6	160	90630	1	4.30	1	249
##	4807	4807	62	37	39	93117	3	1.50	1	0
##	4808	4808	40	14	53	90064	1	2.00	1	0
##	4809	4809	42	16	32	90033	3	0.50	2	0
##	4810	4810	43	19	32	94501	3	0.60	2	0
##	4811	4811	58	34	11	92037	2	0.30	1	96
##	4812	4812	36	12	123	90502	2	3.00	3	0
##	4813	4813	29	4	184	92126	4	2.20	3	612
##	4814	4814	49	23	60	95023	3	0.70	2	142
##	4815	4815	60	34	41	90064	3	2.20	3	0
##	4816	4816	58	32	99	92697	2	1.40	1	0
##	4817	4817	50	24	83	92333	3	3.00	2	0
##	4818	4818	46	22	134	93305	2	3.30	1	0
##	4819	4819	45	19	85	94112	2	1.70	2	0
##	4820	4820	32	6	41	95833	3	0.90	1	179
##	4821	4821	42	17	44	94124	1	0.30	3	0
##	4822	4822	30	6	62	95831	1	0.10	1	0
##	4823	4823	60	36	149	92007	1	4.70	1	0
##	4824	4824	46	21	115	95616	2	4.20	3	0
##	4825	4825	32	6	25	96001	3	1.00	1	0
##	4826	4826	56	32	84	95014	2	1.60	1	0
##	4827	4827	56	31	81	93943	2	0.00	3	225
##	4828	4828	30	6	181	91203	1	4.30	1	230
##	4829	4829	52	28	62	90089	1	1.80	3	0

##	4830	4830	31	7	11	94304	1	0.50	3	80
##	4831	4831	37	12	60	95616	4	2.10	3	217
##	4832	4832	30	6	42	91711	1	2.10	3	144
##	4833	4833	29	4	83	91950	4	2.20	2	0
##	4834	4834	49	24	109	92647	1	0.60	1	0
##	4835	4835	49	23	70	94305	1	0.30	1	217
##	4836	4836	65	39	25	95370	2	0.40	1	113
##	4837	4837	54	24	72	93943	3	1.40	3	218
##	4838	4838	36	10	183	95348	2	0.00	1	0
##	4839	4839	56	30	44	91330	4	2.50	1	0
##	4840	4840	34	8	52	95060	4	0.20	1	0
##	4841	4841	33	9	18	91768	4	0.40	2	0
##	4842	4842	59	35	40	92870	4	0.40	1	135
##	4843	4843	49	23	174	95449	3	4.60	2	590
##	4844	4844	61	34	41	94123	4	2.50	2	0
##	4845	4845	31	6	81	90840	2	2.50	1	313
##	4846	4846	45	21	128	94305	1	4.70	1	0
##	4847	4847	35	10	135	94596	3	4.80	2	0
##	4848	4848	37	11	65	94143	2	2.40	2	260
##	4849	4849	58	32	145	94920	2	0.50	1	119
##	4850	4850	49	25	65	90007	2	1.00	3	0
##	4851	4851	63	39	119	91330	1	2.90	1	0
##	4852	4852	55	31	124	93407	2	0.30	1	0
##	4853	4853	38	12	33	94708	4	1.50	3	0
##	4854	4854	45	19	41	91109	1	0.20	1	0
##	4855	4855	44	20	105	91730	1	4.70	1	0
##	4856	4856	58	32	130	94720	2	2.70	1	0
##	4857	4857	56	31	80	92069	4	1.30	3	0
##	4858	4858	37	13	115	90025	1	0.80	2	0
##	4859	4859	50	24	62	94550	2	0.80	3	0
##	4860	4860	34	8	165	91107	1	7.00	3	541
##	4861	4861	51	25	34	93106	3	0.60	2	128
##	4862	4862	49	24	18	95616	1	0.40	3	121
##	4863	4863	33	7	44	95605	1	0.30	1	0
##	4864	4864	61	35	25	91768	1	0.80	2	142
##	4865	4865	41	16	52	91311	2	2.20	3	0
##	4866	4866	50	24	133	90025	4	1.40	2	342
##	4867	4867	41	17	71	94801	2	3.20	1	0
##	4868	4868	38	12	61	94598	4	0.20	3	0
##	4869	4869	51	27	62	94063	2	3.20	3	118
##	4870	4870	63	39	33	92121	3	0.10	3	0
##	4871	4871	55	30	28	94040	2	2.00	2	0
##	4872	4872	46	22	53	95616	4	1.90	1	187
##	4873	4873	27	3	69	94305	3	0.70	2	0
##	4874	4874	59	35	165	94309	2	6.00	1	0
##	4875	4875	26	0	75	94061	3	0.30	3	0
##	4876	4876	61	36	54	94539	3	1.50	1	0
##	4877	4877	44	19	142	95054	1	1.50	3	0
##	4878	4878	53	29	53	92648	4	0.10	3	0
##	4879	4879	34	9	41	92093	1	1.00	1	0
##	4880	4880	40	15	43	90095	4	1.70	1	98
##	4881	4881	56	32	79	92037	3	2.67	1	0
##	4882	4882	57	32	24	92346	2	0.20	3	140
##	4883	4883	43	19	73	94301	3	2.33	1	0

##	4884	4884	38	13	129	92646	3	4.10	3	0
##	4885	4885	60	34	50	95670	3	2.20	3	0
##	4886	4886	54	30	28	92103	2	0.80	1	0
##	4887	4887	51	26	64	94005	4	1.80	3	0
##	4888	4888	41	15	49	90245	3	0.90	3	0
##	4889	4889	25	1	121	93106	1	5.40	1	158
##	4890	4890	58	28	58	90073	3	2.00	3	0
##	4891	4891	61	35	51	93555	3	1.40	3	0
##	4892	4892	56	31	61	90024	4	0.90	1	0
##	4893	4893	43	19	35	94112	1	0.30	3	120
##	4894	4894	42	12	39	94704	3	2.00	3	0
##	4895	4895	48	22	74	93950	1	1.40	3	0
##	4896	4896	45	20	201	92120	2	2.80	1	0
##	4897	4897	40	15	81	94304	2	0.40	1	0
##	4898	4898	43	18	44	91345	1	2.40	1	0
##	4899	4899	52	26	19	94143	1	1.40	3	96
##	4900	4900	54	29	85	94928	4	1.30	3	299
##	4901	4901	26	1	74	90028	4	2.20	1	0
##	4902	4902	26	0	54	96094	3	1.10	2	0
##	4903	4903	33	8	58	90505	2	2.50	1	0
##	4904	4904	40	15	18	94534	2	0.10	2	119
##	4905	4905	64	40	88	94305	1	3.80	1	243
##	4906	4906	62	37	19	93109	3	0.50	1	89
##	4907	4907	54	28	49	94608	1	2.20	3	128
##	4908	4908	34	9	101	94080	3	0.60	2	0
##	4909	4909	40	16	138	92121	2	6.10	1	0
##	4910	4910	41	16	25	95014	2	0.10	2	0
##	4911	4911	48	22	120	90291	1	0.00	1	0
##	4912	4912	46	22	153	94539	2	7.50	1	0
##	4913	4913	51	26	28	94061	1	1.30	2	94
##	4914	4914	30	4	110	93943	1	2.90	3	0
##	4915	4915	65	39	94	92374	1	2.00	1	0
##	4916	4916	49	24	48	93117	1	1.30	2	0
##	4917	4917	29	5	123	90291	2	0.60	1	0
##	4918	4918	36	10	33	95616	4	1.20	2	82
##	4919	4919	50	25	42	90232	2	0.70	2	110
##	4920	4920	41	16	68	92122	3	3.00	1	0
##	4921	4921	42	16	28	94002	4	1.50	3	91
##	4922	4922	37	11	42	95814	3	0.50	3	0
##	4923	4923	31	5	28	90717	1	0.30	1	0
##	4924	4924	40	15	73	92029	3	3.00	1	0
##	4925	4925	36	12	89	91304	2	2.70	1	0
##	4926	4926	64	39	82	94025	4	3.40	2	0
##	4927	4927	37	13	83	92220	2	1.70	2	0
##	4928	4928	43	19	121	94720	1	0.70	2	0
##	4929	4929	57	33	28	90245	1	1.20	3	98
##	4930	4930	62	36	39	92028	2	0.30	1	0
##	4931	4931	63	38	110	90095	3	1.80	2	109
##	4932	4932	57	27	55	95616	1	1.40	3	0
##	4933	4933	59	35	111	91107	1	4.30	1	0
##	4934	4934	47	23	94	92029	1	4.70	1	0
##	4935	4935	26	0	85	93950	2	1.60	3	0
##	4936	4936	59	33	81	94022	2	1.40	1	0
##	4937	4937	45	20	94	92009	3	0.50	3	0

##	4938	4938	33	8	162	94960	1	8.60	1	0
##	4939	4939	61	35	80	95973	4	1.70	3	0
##	4940	4940	54	29	70	92093	3	2.00	2	116
##	4941	4941	46	22	19	92870	3	0.50	1	0
##	4942	4942	28	4	112	90049	2	1.60	2	0
##	4943	4943	52	26	109	94710	1	2.40	1	308
##	4944	4944	26	0	12	96003	1	0.10	2	0
##	4945	4945	49	24	33	92093	3	1.70	2	0
##	4946	4946	42	18	49	95351	2	1.70	1	106
##	4947	4947	51	26	42	93118	1	1.30	2	0
##	4948	4948	39	13	41	95064	2	0.30	1	108
##	4949	4949	44	20	43	95032	1	0.70	1	0
##	4950	4950	29	5	64	94114	4	0.00	1	249
##	4951	4951	47	23	19	90089	1	1.00	1	0
##	4952	4952	53	27	65	92124	1	2.20	3	0
##	4953	4953	29	3	53	94005	4	1.80	3	0
##	4954	4954	47	21	32	95051	3	1.50	1	75
##	4955	4955	45	19	22	94904	3	1.50	1	0
##	4956	4956	63	37	39	91207	2	0.70	3	0
##	4957	4957	39	13	59	94109	4	0.20	3	0
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##	4959	4959	50	26	19	90095	1	0.90	3	0
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##	4961	4961	58	28	81	91604	1	3.00	3	0
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##	4965	4965	53	27	110	90245	1	4.90	1	0
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## 4866	1	0	0	0	1
## 4867	0	0	0	1	1
## 4868	0	0	0	1	0
## 4869	0	0	0	0	1
## 4870	0	0	0	0	1
## 4871	0	0	0	1	1
## 4872	0	0	0	0	0
## 4873	0	0	0	1	1
## 4874	0	0	0	1	0
## 4875	0	0	0	0	0
## 4876	0	0	0	1	0
## 4877	1	0	0	0	0
## 4878	0	0	0	0	0
## 4879	0	0	0	1	0
## 4880	0	0	0	0	0
## 4881	0	0	0	1	0
## 4882	0	0	0	1	0
## 4883	0	1	1	1	1
## 4884	1	0	1	1	1
## 4885	0	0	0	1	1
## 4886	0	0	0	1	0
## 4887	0	0	0	0	0
## 4888	0	0	1	1	1
## 4889	0	0	0	1	0
## 4890	0	0	0	1	0
## 4891	0	0	0	1	0
## 4892	0	1	1	1	1
## 4893	0	1	0	1	0
## 4894	0	1	1	1	1
## 4895	0	1	0	0	0
## 4896	0	0	0	1	1
## 4897	0	0	0	1	0
## 4898	0	0	0	0	0
## 4899	0	0	0	1	0
## 4900	0	0	0	1	0
## 4901	0	0	0	1	0
## 4902	0	0	0	1	0
## 4903	0	0	0	1	0
## 4904	0	0	0	1	1

## 4905	0	0	0	1	1
## 4906	0	0	0	0	0
## 4907	0	0	0	0	0
## 4908	0	0	0	0	0
## 4909	0	0	0	1	0
## 4910	0	0	0	0	1
## 4911	0	0	0	1	0
## 4912	0	0	0	0	0
## 4913	0	1	0	1	0
## 4914	0	0	0	1	0
## 4915	0	0	0	0	1
## 4916	0	0	0	0	1
## 4917	0	0	0	1	0
## 4918	0	1	0	1	0
## 4919	0	0	0	0	1
## 4920	0	0	0	1	1
## 4921	0	0	0	1	1
## 4922	0	0	0	1	1
## 4923	0	0	0	1	1
## 4924	0	0	0	1	1
## 4925	0	0	0	0	0
## 4926	0	0	0	1	0
## 4927	0	0	0	0	1
## 4928	1	0	1	1	1
## 4929	0	0	0	1	0
## 4930	0	0	0	1	0
## 4931	0	0	0	1	0
## 4932	0	0	0	1	0
## 4933	0	0	0	1	0
## 4934	0	0	0	1	1
## 4935	0	0	0	1	1
## 4936	0	0	0	1	0
## 4937	0	0	0	0	0
## 4938	0	0	1	1	1
## 4939	0	0	0	1	0
## 4940	0	0	0	1	1
## 4941	0	0	0	1	0
## 4942	1	0	0	1	0
## 4943	0	0	1	1	1
## 4944	0	0	0	1	0
## 4945	0	0	0	1	0
## 4946	0	0	0	0	1
## 4947	0	0	0	1	0
## 4948	0	0	0	1	1
## 4949	0	0	0	0	1
## 4950	0	0	0	0	1
## 4951	0	0	0	0	1
## 4952	0	0	0	1	1
## 4953	0	0	0	1	0
## 4954	0	0	0	1	0
## 4955	0	0	0	1	1
## 4956	0	0	0	1	1
## 4957	0	1	0	0	1
## 4958	0	0	0	0	1

```

## 4959      0      0      0      0      0
## 4960      0      1      0      1      0
## 4961      0      0      0      1      0
## 4962      0      0      0      1      1
## 4963      1      0      1      1      1
## 4964      0      0      0      0      0
## 4965      0      0      0      1      0
## 4966      0      0      0      1      0
## 4967      0      0      0      0      0
## 4968      0      0      0      1      0
## 4969      0      0      0      1      1
## 4970      0      0      0      1      0
## 4971      0      0      0      0      1
## 4972      0      1      0      0      0
## 4973      0      0      0      1      1
## 4974      0      0      0      1      0
## 4975      0      0      0      0      1
## 4976      0      0      0      1      0
## 4977      0      0      0      1      1
## 4978      0      0      0      1      0
## 4979      0      0      0      1      0
## 4980      0      0      0      0      1
## 4981      1      0      1      1      1
## 4982      0      0      0      1      0
## 4983      0      0      0      0      1
## 4984      0      0      0      0      0
## 4985      0      0      0      0      1
## 4986      0      0      0      1      0
## 4987      0      0      0      0      0
## 4988      0      0      0      1      0
## 4989      0      0      0      0      1
## 4990      0      0      0      1      0
## 4991      0      0      0      0      1
## 4992      0      0      0      0      1
## 4993      0      0      0      0      0
## 4994      0      0      0      1      0
## 4995      0      0      0      1      0
## 4996      0      0      0      1      0
## 4997      0      0      0      1      0
## 4998      0      0      0      0      0
## 4999      0      0      0      1      0
## 5000      0      0      0      1      1

```

```
str(UniversalBank)
```

```

## 'data.frame':    5000 obs. of  14 variables:
## $ ID             : int  1 2 3 4 5 6 7 8 9 10 ...
## $ Age            : int  25 45 39 35 35 37 53 50 35 34 ...
## $ Experience      : int  1 19 15 9 8 13 27 24 10 9 ...
## $ Income          : int  49 34 11 100 45 29 72 22 81 180 ...
## $ ZIP.Code        : int  91107 90089 94720 94112 91330 92121 91711 93943 90089 93023 ...
## $ Family          : int  4 3 1 1 4 4 2 1 3 1 ...
## $ CCAvg           : num  1.6 1.5 1 2.7 1 0.4 1.5 0.3 0.6 8.9 ...
## $ Education       : int  1 1 1 2 2 2 2 3 2 3 ...
## $ Mortgage        : int  0 0 0 0 0 155 0 0 104 0 ...

```

```
## $ Personal.Loan      : int  0 0 0 0 0 0 0 0 0 1 ...
## $ Securities.Account: int  1 1 0 0 0 0 0 0 0 0 ...
## $ CD.Account         : int  0 0 0 0 0 0 0 0 0 0 ...
## $ Online              : int  0 0 0 0 0 1 1 0 1 0 ...
## $ CreditCard          : int  0 0 0 0 1 0 0 1 0 0 ...
```

```
summary(UniversalBank)
```

```
##           ID           Age           Experience           Income           ZIP.Code
## Min.      : 1      Min.   :23.00      Min.    :-3.0      Min.     : 8.00      Min.    : 9307
## 1st Qu.:1251      1st Qu.:35.00      1st Qu.:10.0      1st Qu.: 39.00      1st Qu.:91911
## Median :2500      Median :45.00      Median :20.0      Median : 64.00      Median :93437
## Mean     :2500      Mean    :45.34      Mean    :20.1      Mean    : 73.77      Mean    :93152
## 3rd Qu.:3750      3rd Qu.:55.00      3rd Qu.:30.0      3rd Qu.: 98.00      3rd Qu.:94608
## Max.     :5000      Max.    :67.00      Max.    :43.0      Max.    :224.00      Max.    :96651
##           Family           CCAvg           Education           Mortgage
## Min.      :1.000      Min.    : 0.000      Min.     :1.000      Min.     : 0.0
## 1st Qu.:1.000      1st Qu.: 0.700      1st Qu.:1.000      1st Qu.: 0.0
## Median :2.000      Median : 1.500      Median :2.000      Median : 0.0
## Mean     :2.396      Mean    : 1.938      Mean     :1.881      Mean     :56.5
## 3rd Qu.:3.000      3rd Qu.: 2.500      3rd Qu.:3.000      3rd Qu.:101.0
## Max.     :4.000      Max.    :10.000      Max.     :3.000      Max.    :635.0
## Personal.Loan Securities.Account CD.Account Online
## Min.      :0.000      Min.    :0.0000      Min.     :0.0000      Min.     :0.0000
## 1st Qu.:0.000      1st Qu.:0.0000      1st Qu.:0.0000      1st Qu.:0.0000
## Median :0.000      Median :0.0000      Median :0.0000      Median :1.0000
## Mean     :0.096      Mean    :0.1044      Mean     :0.0604      Mean     :0.5968
## 3rd Qu.:0.000      3rd Qu.:0.0000      3rd Qu.:0.0000      3rd Qu.:1.0000
## Max.     :1.000      Max.    :1.0000      Max.     :1.0000      Max.     :1.0000
## CreditCard
## Min.      :0.000
## 1st Qu.:0.000
## Median :0.000
## Mean     :0.294
## 3rd Qu.:1.000
## Max.     :1.000
```

```
UniversalBank1 <-UniversalBank[,-c(1,5)]
```

```
UniversalBank1$Personal.Loan =as.factor(UniversalBank1$Personal.Loan)
```

```
class(UniversalBank1$Personal.Loan)
```

```
## [1] "factor"
```

```
Education1 <- ifelse(UniversalBank1$Education == 1, 1,0)
```

```
Education1 <- as.factor(Education1)
```

```
Education2 <- ifelse(UniversalBank1$Education == 2, 1,0)
```

```
Education2 <- as.factor(Education2)
```

```
Education3 <- ifelse(UniversalBank1$Education == 3, 1,0)
```

```
Education3 <- as.factor(Education3)
```

```
UniversalBank2 <- data.frame(UniversalBank1,Education1 = Education1,Education2 = Education2, Education3
```

```
UniversalBank3 <- UniversalBank2[,-6]
```

```
library(caret)
```

```
## Loading required package: lattice
```

```

Train_Index =createDataPartition(UniversalBank3$Personal.Loan,p=0.6, list = FALSE)
Train_df =UniversalBank3[Train_Index,]
Validation_df=UniversalBank3[-Train_Index,]
nrow(Train_df)

```

```
## [1] 3000
```

```
summary(Train_df)
```

```

##      Age      Experience      Income      Family
##  Min.   :23.00   Min.   : -3.00   Min.    :  8.00   Min.    :1.000
## 1st Qu.:35.00   1st Qu.:10.00   1st Qu.: 39.00   1st Qu.:1.000
## Median :45.00   Median :20.00   Median : 64.00   Median :2.000
## Mean   :45.22   Mean   :19.99   Mean    : 74.84   Mean    :2.377
## 3rd Qu.:55.00   3rd Qu.:29.00   3rd Qu.:101.00   3rd Qu.:3.000
## Max.   :67.00   Max.    :43.00   Max.    :224.00   Max.    :4.000
##      CCAvg      Mortgage      Personal.Loan      Securities.Account
##  Min.   : 0.000   Min.    :  0.00   0:2712      Min.    :0.0000
## 1st Qu.: 0.700   1st Qu.:  0.00   1: 288      1st Qu.:0.0000
## Median : 1.600   Median :  0.00           Median :0.0000
## Mean   : 1.968   Mean    : 57.64           Mean    :0.1033
## 3rd Qu.: 2.600   3rd Qu.:102.00           3rd Qu.:0.0000
## Max.   :10.000   Max.    :635.00           Max.    :1.0000
##      CD.Account      Online      CreditCard      Education1      Education2
##  Min.   :0.00000   Min.    :0.0000   Min.    :0.0000   0:1734      0:2145
## 1st Qu.:0.00000   1st Qu.:0.0000   1st Qu.:0.0000   1:1266      1: 855
## Median :0.00000   Median :1.0000   Median :0.0000
## Mean   :0.05867   Mean    :0.5973   Mean    :0.2873
## 3rd Qu.:0.00000   3rd Qu.:1.0000   3rd Qu.:1.0000
## Max.   :1.00000   Max.    :1.0000   Max.    :1.0000
##      Education3
## 0:2121
## 1: 879
##
##
##
##

```

```
nrow(Validation_df)
```

```
## [1] 2000
```

```
summary(Validation_df)
```

```

##      Age      Experience      Income      Family
##  Min.   :23.00   Min.   : -3.00   Min.    :  8.00   Min.    :1.000
## 1st Qu.:35.00   1st Qu.:10.00   1st Qu.: 38.00   1st Qu.:1.000
## Median :46.00   Median :21.00   Median : 63.00   Median :2.000
## Mean   :45.52   Mean   :20.27   Mean    : 72.17   Mean    :2.425
## 3rd Qu.:55.00   3rd Qu.:30.00   3rd Qu.: 94.00   3rd Qu.:4.000
## Max.   :67.00   Max.    :43.00   Max.    :203.00   Max.    :4.000
##      CCAvg      Mortgage      Personal.Loan      Securities.Account
##  Min.   :0.000   Min.    :  0.00   0:1808      Min.    :0.000
## 1st Qu.:0.600   1st Qu.:  0.00   1: 192      1st Qu.:0.000
## Median :1.500   Median :  0.00           Median :0.000
## Mean   :1.892   Mean    : 54.78           Mean    :0.106

```

```
## 3rd Qu.:2.500 3rd Qu.: 99.00 3rd Qu.:0.000
## Max. :9.300 Max. :612.00 Max. :1.000
## CD.Account Online CreditCard Education1 Education2
## Min. :0.000 Min. :0.000 Min. :0.000 0:1170 0:1452
## 1st Qu.:0.000 1st Qu.:0.000 1st Qu.:0.000 1: 830 1: 548
## Median :0.000 Median :1.000 Median :0.000
## Mean :0.063 Mean :0.596 Mean :0.304
## 3rd Qu.:0.000 3rd Qu.:1.000 3rd Qu.:1.000
## Max. :1.000 Max. :1.000 Max. :1.000
## Education3
## 0:1378
## 1: 622
##
##
##
##
```

```
Norm_model <- preProcess(Train_df, method = c("center", "scale"))
training_norm<-predict(Norm_model,Train_df)
head(training_norm)
```

```
## Age Experience Income Family CCAvg Mortgage
## 3 -0.5438179 -0.4366445 -1.36549994 -1.213278 -0.55138924 -0.5580353
## 6 -0.7188197 -0.6115589 -0.98049458 1.429390 -0.89300298 0.9424933
## 7 0.6811943 0.6128416 -0.06075955 -0.332389 -0.26671113 -0.5580353
## 10 -0.9813223 -0.9613876 2.24927261 -1.213278 3.94652496 -0.5580353
## 13 0.2436899 0.2630129 0.83758629 -0.332389 1.04280819 -0.5580353
## 15 1.9062065 1.8372420 0.79480792 -1.213278 0.01796698 -0.5580353
## Personal.Loan Securities.Account CD.Account Online CreditCard Education1
## 3 0 -0.339416 -0.249604 -1.2177640 -0.6348592 1
## 6 0 -0.339416 -0.249604 0.8209034 -0.6348592 0
## 7 0 -0.339416 -0.249604 0.8209034 -0.6348592 0
## 10 1 -0.339416 -0.249604 -1.2177640 -0.6348592 0
## 13 0 2.945255 -0.249604 -1.2177640 -0.6348592 0
## 15 0 2.945255 -0.249604 -1.2177640 -0.6348592 1
## Education2 Education3
## 3 0 0
## 6 1 0
## 7 1 0
## 10 0 1
## 13 0 1
## 15 0 0
```

```
validation_norm<-predict(Norm_model,Validation_df)
head(validation_norm)
```

```
## Age Experience Income Family CCAvg Mortgage
## 1 -1.76883011 -1.66104495 -0.5527108 1.4293900 -0.2097755 -0.5580353
## 2 -0.01881269 -0.08681582 -0.8735486 0.5485005 -0.2667111 -0.5580353
## 4 -0.89382140 -0.96138756 0.5381377 -1.2132784 0.4165163 -0.5580353
## 5 -0.89382140 -1.04884473 -0.6382676 1.4293900 -0.5513892 -0.5580353
## 8 0.41869167 0.35047005 -1.1302189 -1.2132784 -0.9499386 -0.5580353
## 9 -0.89382140 -0.87393039 0.1317431 0.5485005 -0.7791317 0.4487710
## Personal.Loan Securities.Account CD.Account Online CreditCard Education1
## 1 0 2.945255 -0.249604 -1.2177640 -0.6348592 1
```

```
## 2      0      2.945255 -0.249604 -1.2177640 -0.6348592      1
## 4      0     -0.339416 -0.249604 -1.2177640 -0.6348592      0
## 5      0     -0.339416 -0.249604 -1.2177640  1.5746275      0
## 8      0     -0.339416 -0.249604 -1.2177640  1.5746275      0
## 9      0     -0.339416 -0.249604  0.8209034 -0.6348592      0
```

```
## Education2 Education3
```

```
## 1      0      0
## 2      0      0
## 4      1      0
## 5      1      0
## 8      0      1
## 9      1      0
```

```
Test <-data.frame(Age=40,Experience=10,Income=84,Family=2,CCAvg=2,Mortgage=0,Securities.Account=0,CD.Account=0)
head(Test)
```

```
## Age Experience Income Family CCAvg Mortgage Securities.Account CD.Account
## 1 40      10      84      2      2      0      0      0
## Online CreditCard Education1 Education2 Education3
## 1      1      1      0      1      0
```

```
test_norm<-predict(Norm_model,Test)
head(test_norm)
```

```
## Age Experience Income Family CCAvg Mortgage
## 1 -0.456317 -0.8739304 0.1959107 -0.332389 0.01796698 -0.5580353
## Securities.Account CD.Account Online CreditCard Education1 Education2
## 1 -0.339416 -0.249604 0.8209034 1.574627 0 1
## Education3
## 1 0
```

```
Train_predictors<-training_norm[,-7]
Train_label<-training_norm[,7]
valid_predictors<-validation_norm[,-7]
Valid_label<-validation_norm[,7]
Predict_test_label<-knn(Train_predictors,test_norm,cl=Train_label,k=1)
Predict_test_label
```

```
## [1] 0
## Levels: 0 1
```

```
set.seed(550)
searchGrid <- expand.grid(k=seq(1:30))
model <- train(Personal.Loan~.,training_norm,method="knn", tuneGrid = searchGrid)
model
```

```
## k-Nearest Neighbors
##
## 3000 samples
## 13 predictor
## 2 classes: '0', '1'
##
## No pre-processing
## Resampling: Bootstrapped (25 reps)
## Summary of sample sizes: 3000, 3000, 3000, 3000, 3000, ...
## Resampling results across tuning parameters:
##
```

```
## k Accuracy Kappa
## 1 0.9547841 0.7100839
## 2 0.9509173 0.6808649
## 3 0.9500853 0.6685607
## 4 0.9493626 0.6580415
## 5 0.9492377 0.6492027
## 6 0.9476839 0.6329606
## 7 0.9472877 0.6250922
## 8 0.9463726 0.6155115
## 9 0.9448225 0.6002374
## 10 0.9433664 0.5860041
## 11 0.9434444 0.5831389
## 12 0.9421083 0.5719277
## 13 0.9410024 0.5598077
## 14 0.9407764 0.5558523
## 15 0.9396843 0.5444435
## 16 0.9385964 0.5336714
## 17 0.9387820 0.5328062
## 18 0.9374116 0.5204341
## 19 0.9368296 0.5147755
## 20 0.9359583 0.5073636
## 21 0.9359619 0.5056066
## 22 0.9358964 0.5053001
## 23 0.9349158 0.4949349
## 24 0.9340027 0.4860885
## 25 0.9342304 0.4878283
## 26 0.9333270 0.4787622
## 27 0.9326426 0.4702218
## 28 0.9321294 0.4641318
## 29 0.9321311 0.4629807
## 30 0.9311607 0.4532152
##
## Accuracy was used to select the optimal model using the largest value.
## The final value used for the model was k = 1.

best_k <- model$bestTune[[1]]
#K = 1 gives the best value for K

library(gmodels)
Validation_data_best_k<-predict(model,validation_norm[,~7])
confusionMatrix(Validation_data_best_k ,Valid_label)

## Confusion Matrix and Statistics
##
##           Reference
## Prediction    0    1
##           0 1782   73
##           1   26  119
##
##           Accuracy : 0.9505
##           95% CI : (0.9401, 0.9596)
##           No Information Rate : 0.904
##           P-Value [Acc > NIR] : 9.340e-15
##
##           Kappa : 0.6798
```

```
##
## McNemar's Test P-Value : 3.779e-06
##
##      Sensitivity : 0.9856
##      Specificity : 0.6198
##      Pos Pred Value : 0.9606
##      Neg Pred Value : 0.8207
##      Prevalence : 0.9040
##      Detection Rate : 0.8910
##      Detection Prevalence : 0.9275
##      Balanced Accuracy : 0.8027
##
##      'Positive' Class : 0
##
```

```
CrossTable(Validation_data_best_k,Valid_label)
```

```
##
##
##      Cell Contents
## |-----|
## |                      N |
## | Chi-square contribution |
## |      N / Row Total |
## |      N / Col Total |
## |      N / Table Total |
## |-----|
##
##
## Total Observations in Table:  2000
##
##
##      | Valid_label
## Validation_data_best_k |      0 |      1 | Row Total |
## -----|-----|-----|-----|
##              0 |      1782 |      73 |      1855 |
##              |      6.585 |     62.005 |           |
##              |      0.961 |      0.039 |      0.927 |
##              |      0.986 |      0.380 |           |
##              |      0.891 |      0.036 |           |
## -----|-----|-----|-----|
##              1 |       26 |     119 |       145 |
##              |     84.237 |    793.233 |           |
##              |      0.179 |      0.821 |      0.072 |
##              |      0.014 |      0.620 |           |
##              |      0.013 |      0.059 |           |
## -----|-----|-----|-----|
##      Column Total |      1808 |      192 |      2000 |
##              |      0.904 |      0.096 |           |
## -----|-----|-----|-----|
##
##
```

```
Prediction_new<-knn(Train_predictors,test_norm,cl=Train_label,k=best_k)
Prediction_new
```



```
## [1] 0
## Levels: 0 1
#the loan offer will not be accepted because K=0

Test_Index_N = createDataPartition(UniversalBank3$Personal.Loan,p=0.2, list=FALSE) # 20% is reserved for
Test_Data_N = UniversalBank3[Test_Index_N,]
TrainAndValid_Data = UniversalBank3[-Test_Index_N,] # the rest data will be Validation and Training data
Train_Index_N = createDataPartition(TrainAndValid_Data$Personal.Loan,p=25/40, list=FALSE) # 50% of remaining data
Train_Data_N = TrainAndValid_Data[Train_Index_N,]
Validation_Data_N = TrainAndValid_Data[-Train_Index_N,] # rest as validation
nrow(Train_Data_N)
```

```
## [1] 2500
```

```
summary(Train_Data_N)
```

```
##      Age      Experience      Income      Family
## Min.   :23.00  Min.   : -3.00  Min.    :  8.00  Min.    :1.000
## 1st Qu.:35.00  1st Qu.:10.00  1st Qu.: 39.00  1st Qu.:1.000
## Median :46.00  Median :20.00  Median : 63.00  Median :2.000
## Mean   :45.53  Mean   :20.28  Mean    :73.71  Mean    :2.415
## 3rd Qu.:56.00  3rd Qu.:30.00  3rd Qu.: 98.00  3rd Qu.:3.000
## Max.   :67.00  Max.   :43.00  Max.    :218.00  Max.    :4.000
##      CCAvg      Mortgage      Personal.Loan  Securities.Account
## Min.    : 0.000  Min.    :  0.00  0:2260      Min.    :0.0000
## 1st Qu.: 0.700  1st Qu.:  0.00  1: 240      1st Qu.:0.0000
## Median : 1.600  Median :  0.00      Median :0.0000
## Mean    : 1.959  Mean    : 57.85      Mean    :0.1112
## 3rd Qu.: 2.600  3rd Qu.:102.00      3rd Qu.:0.0000
## Max.    :10.000  Max.    :635.00      Max.    :1.0000
##      CD.Account      Online      CreditCard  Education1 Education2 Education3
## Min.    :0.0000  Min.    :0.0    Min.    :0.00  0:1435    0:1817    0:1748
## 1st Qu.:0.0000  1st Qu.:0.0    1st Qu.:0.00  1:1065    1: 683    1: 752
## Median :0.0000  Median :1.0    Median :0.00
## Mean    :0.0612  Mean    :0.6    Mean    :0.29
## 3rd Qu.:0.0000  3rd Qu.:1.0    3rd Qu.:1.00
## Max.    :1.0000  Max.    :1.0    Max.    :1.00
```

```
nrow(Validation_Data_N)
```

```
## [1] 1500
```

```
summary(Validation_Data_N)
```

```
##      Age      Experience      Income      Family
## Min.   :23.00  Min.   : -2.00  Min.    :  8.00  Min.    :1.000
## 1st Qu.:35.00  1st Qu.:10.00  1st Qu.: 39.00  1st Qu.:1.000
## Median :45.00  Median :20.00  Median : 64.00  Median :2.000
## Mean   :45.27  Mean   :20.04  Mean    :74.28  Mean    :2.385
## 3rd Qu.:55.00  3rd Qu.:30.00  3rd Qu.:101.00  3rd Qu.:3.250
## Max.   :67.00  Max.   :43.00  Max.    :204.00  Max.    :4.000
##      CCAvg      Mortgage      Personal.Loan  Securities.Account
## Min.    : 0.00  Min.    :  0.00  0:1356      Min.    :0.0000
## 1st Qu.: 0.70  1st Qu.:  0.00  1: 144      1st Qu.:0.0000
## Median : 1.50  Median :  0.00      Median :0.0000
## Mean    : 1.92  Mean    : 56.06      Mean    :0.1007
```

```
## 3rd Qu.: 2.60 3rd Qu.:102.00 3rd Qu.:0.0000
## Max. :10.00 Max. :582.00 Max. :1.0000
## CD.Account Online CreditCard Education1 Education2
## Min. :0.000 Min. :0.0000 Min. :0.000 0:877 0:1085
## 1st Qu.:0.000 1st Qu.:0.0000 1st Qu.:0.000 1:623 1: 415
## Median :0.000 Median :1.0000 Median :0.000
## Mean :0.062 Mean :0.5947 Mean :0.304
## 3rd Qu.:0.000 3rd Qu.:1.0000 3rd Qu.:1.000
## Max. :1.000 Max. :1.0000 Max. :1.000
## Education3
## 0:1038
## 1: 462
##
##
##
##
```

```
nrow(Test_Data_N)
```

```
## [1] 1000
```

```
summary(Test_Data_N)
```

```
##      Age      Experience      Income      Family
## Min.   :23.00  Min.   : -3.00  Min.    :  8.00  Min.    :1.000
## 1st Qu.:35.00  1st Qu.:10.00  1st Qu.: 39.00  1st Qu.:1.000
## Median :45.00  Median :20.00  Median : 64.00  Median :2.000
## Mean   :44.95  Mean   :19.77  Mean   : 73.16  Mean   :2.367
## 3rd Qu.:55.00  3rd Qu.:30.00  3rd Qu.: 94.25  3rd Qu.:3.000
## Max.   :67.00  Max.   :42.00  Max.   :224.00  Max.   :4.000
##      CCAvg      Mortgage      Personal.Loan      Securities.Account
## Min.    : 0.000  Min.    :  0.00  0:904      Min.    :0.000
## 1st Qu.: 0.700  1st Qu.:  0.00  1: 96      1st Qu.:0.000
## Median : 1.600  Median :  0.00      Median :0.000
## Mean    : 1.912  Mean    : 53.78      Mean    :0.093
## 3rd Qu.: 2.500  3rd Qu.: 97.00      3rd Qu.:0.000
## Max.    :10.000  Max.    :571.00      Max.    :1.000
##      CD.Account      Online      CreditCard      Education1      Education2
## Min.    :0.000  Min.    :0.000  Min.    :0.000  0:592      0:695
## 1st Qu.:0.000  1st Qu.:0.000  1st Qu.:0.000  1:408      1:305
## Median :0.000  Median :1.000  Median :0.000
## Mean    :0.056  Mean    :0.592  Mean    :0.289
## 3rd Qu.:0.000  3rd Qu.:1.000  3rd Qu.:1.000
## Max.    :1.000  Max.    :1.000  Max.    :1.000
## Education3
## 0:713
## 1:287
##
##
##
##
```

```
Norm_model_N <- preProcess(Train_Data_N, method = c("center", "scale"))
training_norm_N<-predict(Norm_model_N,Train_Data_N)
head(training_norm_N)
```

```
##           Age Experience      Income      Family      CCAvg      Mortgage
## 1 -1.7891707 -1.6804781 -0.5312658  1.3902798 -0.2017466 -0.5516241
## 3 -0.5693212 -0.4600367 -1.3481084 -1.2408326 -0.5387023 -0.5516241
## 5 -0.9178496 -1.0702574 -0.6172492  1.3902798 -0.5387023 -0.5516241
## 7  0.6505283  0.5860560 -0.0368611 -0.3637951 -0.2579059 -0.5516241
## 8  0.3891320  0.3245328 -1.1116539 -1.2408326 -0.9318173 -0.5516241
## 9 -0.9178496 -0.8959086  0.1566016  0.5132423 -0.7633395  0.4401214
##   Personal.Loan Securities.Account CD.Account      Online CreditCard Education1
## 1              0          2.8265896 -0.2552715 -1.2244999 -0.6389736          1
## 3              0          -0.3536417 -0.2552715 -1.2244999 -0.6389736          1
## 5              0          -0.3536417 -0.2552715 -1.2244999  1.5643838          0
## 7              0          -0.3536417 -0.2552715  0.8163333 -0.6389736          0
## 8              0          -0.3536417 -0.2552715 -1.2244999  1.5643838          0
## 9              0          -0.3536417 -0.2552715  0.8163333 -0.6389736          0
##   Education2 Education3
## 1              0          0
## 3              0          0
## 5              1          0
## 7              1          0
## 8              0          1
## 9              1          0
```

```
validation_norm_N<-predict(Norm_model_N,Validation_Data_N)
head(validation_norm_N)
```

```
##           Age Experience      Income      Family      CCAvg      Mortgage
## 4 -0.9178496 -0.9830830  0.5650229 -1.2408326  0.41600552 -0.5516241
## 10 -1.0049817 -0.9830830  2.2846915 -1.2408326  3.89788121 -0.5516241
## 11  1.6961136  1.6321486  0.6725022  1.3902798  0.24752767 -0.5516241
## 12 -1.4406422 -1.3317805 -0.6172492  0.5132423 -1.04413590 -0.5516241
## 21  0.9119246  0.9347535 -1.0471664  1.3902798 -0.59486161  0.5068735
## 22  0.9990567  0.5860560 -0.2303238  0.5132423  0.02289052 -0.5516241
##   Personal.Loan Securities.Account CD.Account      Online CreditCard Education1
## 4              0          -0.3536417 -0.2552715 -1.2244999 -0.6389736          0
## 10             1          -0.3536417 -0.2552715 -1.2244999 -0.6389736          0
## 11             0          -0.3536417 -0.2552715 -1.2244999 -0.6389736          0
## 12             0          -0.3536417 -0.2552715  0.8163333 -0.6389736          0
## 21             0          -0.3536417 -0.2552715  0.8163333 -0.6389736          0
## 22             0          -0.3536417 -0.2552715  0.8163333 -0.6389736          0
##   Education2 Education3
## 4              1          0
## 10             0          1
## 11             0          1
## 12             1          0
## 21             1          0
## 22             0          1
```

```
Test_norm_N<-predict(Norm_model_N,Test_Data_N)
head(Test_norm_N)
```

```
##           Age Experience      Income      Family      CCAvg      Mortgage
## 2 -0.04652854 -0.11133912 -0.8537037  0.5132423 -0.2579059 -0.5516241
## 6 -0.74358539 -0.63438544 -0.9611829  1.3902798 -0.8756580  0.9264581
## 14  1.17332093  1.02192788 -0.7247285  1.3902798  0.3036870 -0.5516241
## 16  1.26045304  0.84757911 -1.1116539 -1.2408326 -0.2579059 -0.5516241
```

```
## 17 -0.65645328 -0.54721105 1.2098986 1.3902798 1.5391912 0.7262018
## 19 0.04060356 0.06300965 2.5641376 -0.3637951 3.4486069 -0.5516241
##      Personal.Loan Securities.Account CD.Account      Online CreditCard Education1
## 2              0          2.8265896 -0.2552715 -1.2244999 -0.6389736          1
## 6              0          -0.3536417 -0.2552715 0.8163333 -0.6389736          0
## 14             0          -0.3536417 -0.2552715 0.8163333 -0.6389736          0
## 16             0          -0.3536417 -0.2552715 0.8163333 1.5643838          0
## 17             1          -0.3536417 -0.2552715 -1.2244999 -0.6389736          0
## 19             1          -0.3536417 -0.2552715 -1.2244999 -0.6389736          0
##      Education2 Education3
## 2              0          0
## 6              1          0
## 14             1          0
## 16             0          1
## 17             0          1
## 19             0          1

Train_predictors_N <-training_norm_N[,-7]
Train_label_N<-training_norm_N[,7]
valid_predictors_N<-validation_norm_N[,-7]
Valid_label_N<-validation_norm_N[,7]
Test_predictors_N<-Test_norm_N[,-7]
Test_label_N<-Test_norm_N[,7]
training_prediction_N <-knn(Train_predictors_N,Train_predictors_N,cl=Train_label_N,k=best_k)
head(training_prediction_N)

## [1] 0 0 0 0 0 0
## Levels: 0 1

validation_prediction_N <-knn(Train_predictors_N,valid_predictors_N,cl=Train_label_N,k=best_k)
head(validation_prediction_N)

## [1] 0 1 0 0 0 0
## Levels: 0 1

Test_prediction_N <-knn(Train_predictors_N,Test_predictors_N,cl=Train_label_N,k=best_k)
head(Test_prediction_N)

## [1] 0 0 0 0 1 1
## Levels: 0 1

#using confusionMatrix for all 3 datasets Training, Validation and Test
confusionMatrix(training_prediction_N,Train_label_N)

## Confusion Matrix and Statistics
##
##              Reference
## Prediction      0      1
##      0 2260      0
##      1      0 240
##
##              Accuracy : 1
##              95% CI : (0.9985, 1)
##      No Information Rate : 0.904
##      P-Value [Acc > NIR] : < 2.2e-16
##
```

```
##          Kappa : 1
##
## Mcnemar's Test P-Value : NA
##
##          Sensitivity : 1.000
##          Specificity : 1.000
##          Pos Pred Value : 1.000
##          Neg Pred Value : 1.000
##          Prevalence : 0.904
##          Detection Rate : 0.904
##          Detection Prevalence : 0.904
##          Balanced Accuracy : 1.000
##
##          'Positive' Class : 0
##
```

```
CrossTable(training_prediction_N,Train_label_N)
```

```
##
##
##      Cell Contents
## |-----|
## |              N |
## | Chi-square contribution |
## |      N / Row Total |
## |      N / Col Total |
## |      N / Table Total |
## |-----|
##
##
## Total Observations in Table:  2500
##
##
##      | Train_label_N
## training_prediction_N |      0 |      1 | Row Total |
## -----|-----|-----|-----|
##              0 |      2260 |      0 |      2260 |
##              |      23.040 |      216.960 |      |
##              |      1.000 |      0.000 |      0.904 |
##              |      1.000 |      0.000 |      |
##              |      0.904 |      0.000 |      |
## -----|-----|-----|-----|
##              1 |      0 |      240 |      240 |
##              |      216.960 |      2043.040 |      |
##              |      0.000 |      1.000 |      0.096 |
##              |      0.000 |      1.000 |      |
##              |      0.000 |      0.096 |      |
## -----|-----|-----|-----|
##              Column Total |      2260 |      240 |      2500 |
##              |      0.904 |      0.096 |      |
## -----|-----|-----|-----|
##
##
```

```
confusionMatrix(validation_prediction_N,Valid_label_N)
```

```
## Confusion Matrix and Statistics
##
##           Reference
## Prediction    0    1
##           0 1339   35
##           1   17  109
##
##           Accuracy : 0.9653
##           95% CI : (0.9548, 0.974)
##           No Information Rate : 0.904
##           P-Value [Acc > NIR] : <2e-16
##
##           Kappa : 0.7885
##
## Mcnemar's Test P-Value : 0.0184
##
##           Sensitivity : 0.9875
##           Specificity : 0.7569
##           Pos Pred Value : 0.9745
##           Neg Pred Value : 0.8651
##           Prevalence : 0.9040
##           Detection Rate : 0.8927
##           Detection Prevalence : 0.9160
##           Balanced Accuracy : 0.8722
##
##           'Positive' Class : 0
##
```

```
CrossTable(validation_prediction_N,Valid_label_N)
```

```
##
##
##      Cell Contents
## |-----|
## |                      N |
## | Chi-square contribution |
## |      N / Row Total |
## |      N / Col Total |
## |      N / Table Total |
## |-----|
##
##
## Total Observations in Table:  1500
##
##
##           | Valid_label_N
## validation_prediction_N |      0 |      1 | Row Total |
## -----|-----|-----|-----|
##           0 |    1339 |     35 |    1374 |
##           |    7.560 |    71.191 |          |
##           |    0.975 |    0.025 |    0.916 |
##           |    0.987 |    0.243 |          |
```

```
##          |      0.893 |      0.023 |          |
## -----|-----|-----|-----|
##          1 |      17 |      109 |      126 |
##          |      82.441 |      776.322 |          |
##          |      0.135 |      0.865 |      0.084 |
##          |      0.013 |      0.757 |          |
##          |      0.011 |      0.073 |          |
## -----|-----|-----|-----|
##      Column Total |      1356 |      144 |      1500 |
##          |      0.904 |      0.096 |          |
## -----|-----|-----|-----|
##
##
```

```
confusionMatrix(Test_prediction_N,Test_label_N)
```

```
## Confusion Matrix and Statistics
##
##      Reference
## Prediction  0   1
##      0 892  44
##      1  12  52
##
##      Accuracy : 0.944
##      95% CI : (0.9279, 0.9574)
##      No Information Rate : 0.904
##      P-Value [Acc > NIR] : 2.752e-06
##
##      Kappa : 0.6209
##
##      McNemar's Test P-Value : 3.435e-05
##
##      Sensitivity : 0.9867
##      Specificity : 0.5417
##      Pos Pred Value : 0.9530
##      Neg Pred Value : 0.8125
##      Prevalence : 0.9040
##      Detection Rate : 0.8920
##      Detection Prevalence : 0.9360
##      Balanced Accuracy : 0.7642
##
##      'Positive' Class : 0
##
```

```
CrossTable(Test_prediction_N,Test_label_N)
```

```
##
##
##      Cell Contents
## |-----|
## |              N |
## | Chi-square contribution |
## |      N / Row Total |
## |      N / Col Total |
## |      N / Table Total |
```

```

## |-----|
##
##
## Total Observations in Table: 1000
##
##
##      | Test_label_N
## Test_prediction_N |      0 |      1 | Row Total |
## -----|-----|-----|-----|
##           0 |      892 |      44 |      936 |
##           |      2.485 |      23.402 |      |
##           |      0.953 |      0.047 |      0.936 |
##           |      0.987 |      0.458 |      |
##           |      0.892 |      0.044 |      |
## -----|-----|-----|-----|
##           1 |      12 |      52 |      64 |
##           |      36.345 |      342.248 |      |
##           |      0.188 |      0.812 |      0.064 |
##           |      0.013 |      0.542 |      |
##           |      0.012 |      0.052 |      |
## -----|-----|-----|-----|
##      Column Total |      904 |      96 |      1000 |
##           |      0.904 |      0.096 |      |
## -----|-----|-----|-----|
##
##

```

The confusion matrix was made for three different sets: training, validation, and test. The training set showed 100% accuracy with k=1, which is typical for KNN models since the values were already seen. The validation set showed overall accuracy with a high sensitivity but a low specificity. This indicates that the model struggles to predict which customers will accept the loan accurately. However, the model is very good at predicting which customers will not accept the loan. The test set also showed a 95% overall accuracy, and the confusion matrix was similar to the validation set, which is positive. The model had a high sensitivity but a low specificity in both sets, indicating that it accurately predicted which customers would not accept the loan but struggled to predict which ones would.