

Supplemental Digital Content 1

Assessing the Performance of Prediction Models

To illustrate the application of methods, a previously published validation study was reanalyzed. Software code for some of these calculations is shown below. This file provides only highlights and is not a full analysis.

External Validation Study

In 2000 Eberhart et al reported an external validation study of published risk scores for postoperative nausea and vomiting (PONV) and postoperative vomiting (PV) in adults during the first 24 hours following surgery¹. Three studies had published risk scores from observations in 147 (Palazzo & Evans), 1107 (Koivuranta et al), and 1137 (Apfel et al) patients²⁻⁴. Apfel et al identified six risk factors (female sex, younger age, non smoking status, previous motion sickness, previous PONV, increasing surgery duration) for the prediction of PV; Koivuranta et al found similar risk factors (female sex, previous PONV, increasing surgery duration, previous motion sickness, non smoking status) as did Palazzo & Evans (female sex, previous PONV, previous motion sickness, postoperative opioids) for the prediction of PONV; but the exact choice of risk factors and the magnitude of the regression coefficients differed among the three predictors. The three studies used stepwise, multivariable logistic regression to choose risk factors and proposed either a logistic equation (Apfel et al, Palazzo & Evans) or a simplified scoring system (Koivuranta et al) for the calculation of individual patient predictions.

- Risk score Apfel (PV): $z = 1.28(\text{female sex}) - 0.029(\text{age}) - 0.74(\text{smoking}) + 0.63(\text{history of motion sickness or previous PONV}) + 0.26(\text{duration (hrs)}) - 0.92$
- Risk score Koivuranta (PONV): $z = (\text{female sex}) + (\text{previous PONV}) + (\text{operation} > 60 \text{ mins}) + (\text{history of motion sickness}) + (\text{non-smoking})$
- Risk score Palazzo (PONV): $z = 2.4(\text{female sex}) + 3.97(\text{previous PONV}) + 0.78(\text{history of motion sickness}) - 3.2(\text{female sex and previous PONV}) - 5.03$
- For the risk scores Apfel and Palazzo, the prediction probability (P_i) was

calculated by the inverse logit function $p = \frac{1}{(1 + e^{-z})}$. For the risk score Koivuranta,

the P s were 0.17, 0.18, 0.42, 0.54, 0.74, 0.87 for the presence of 0 to 5 risk factors.

Data Description

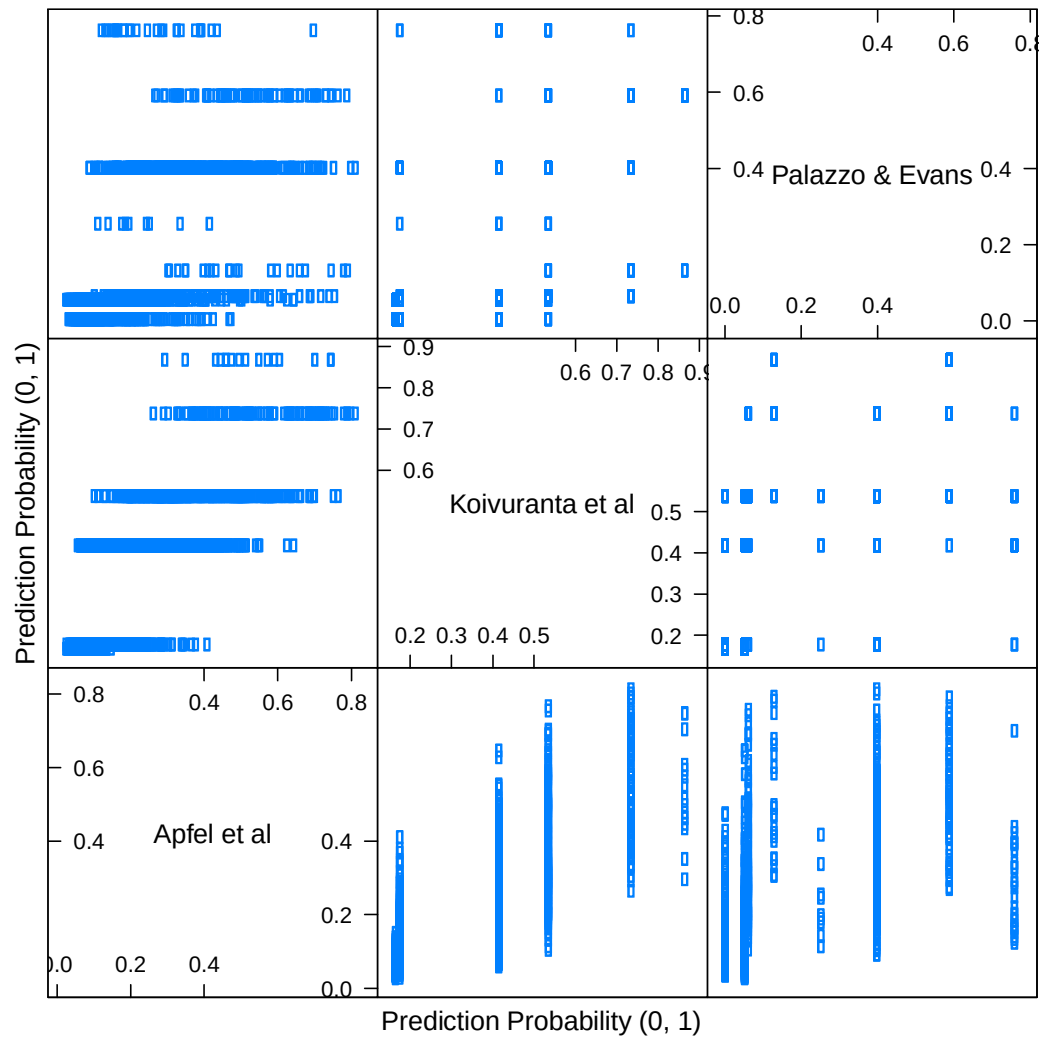
In the validation study, 1444 patients having elective surgery were observed; the covariates for calculation of each risk score and prediction probability (P_i) were recorded. For the risk score of Apfel et al, there were 1257 distinct values of P_i ranging from 0.03 to 0.82. For the risk scores of Koivuranta et al and Palazzo & Evans there were 6 and 8 distinct values of P_i respectively; this is a consequence of strictly dichotomous valued covariates for those two risk scores. The P_i s (also denoted predictorA, predictorK, predictorP) of the three risk scores were examined graphically in a Scatter Plot Matrix (Figure 1).

There were 540 and 247 patients described as having PONV and PV respectively.

Figure 1 Legend

Each data circle is a pair of P_i s for a patient; the plots of predictorA vs predictorK, predictorA vs predictorP, and predictorK vs predictorP are each shown two panels — above and below the diagonal. The diagonal panels identify the risk predictors. The Kendall rank correlation coefficients were 0.62 (predictorA vs predictorK), 0.52 (predictorA vs predictorP), and 0.54 (predictorK vs predictorP). There is only medium correlation between the three predictors. This discordance between predictors is typified by the wide range of predictorA values (0.06 to 0.65) for predictorK = 0.42. Similarly, the range of predictorP values (0.006 to 0.765) at predictorK = 0.42 is very wide.

Figure 1. Scatter Plot Matrix of Prediction Probabilities



The scatter plots are mirrored around the diagonal.

Joint Description of Predictions and Outcomes

Following the notation of Murphy & Winkler, the joint, marginal and conditional empirical distributions can viewed in tabular form (Tables 1 and 2).⁵

Table 1. Joint and Marginal Empirical Probability Distributions

Prediction probabilities (Koivuranta risk scores)	$j = 0$ 0.17 (0 risk factors)	$j = 1$ 0.18 (1 risk factor)	$j = 2$ 0.42 (2 risk factors)	$j = 3$ 0.54 (3 risk factors)	$j = 4$ 0.74 (4 risk factors)	$j = 5$ 0.87 (5 risk factors)	Marginal Totals Prob{Y}
Observed PONV = Yes Prob{ $P_j, Y = 1$ }	10/1444 (0.007)	74/1444 (0.051)	172/1444 (0.119)	198/1444 (0.137)	71/1444 (0.049)	15/1444 (0.010)	Prob{Y = 1} 540/1444 (0.374)
Observed PONV = No Prob{ $P_j, Y = 0$ }	109/1444 (0.075)	307/1444 (0.213)	316/1444 (0.219)	141/1444 (0.098)	30/1444 (0.021)	1/1444 (0.001)	Prob{Y = 0} 904/1444 (0.626)
PONV = All Marginal Totals Prob{ P_j }	119/1444 (0.082)	381/1444 (0.264)	488/1444 (0.338)	339/1444 (0.235)	101/1444 (0.070)	16/1444 (0.011)	Totals 1444/1444 (1.000)

Table 1 Legend

The risk score of Koivuranta et al³ assigns a prediction probability (0.17, 0.18, 0.42, 0.54, 0.74, 0.87) for PONV by the count of risk factors (female sex, previous PONV, surgery duration greater than 60 minutes, history of motion sickness, smoking). Eberhart et al¹ tabulated the occurrence of PONV by this risk score in 1444 patients. Prob{ $P_j, Y = 1$ } and Prob{ $P_j, Y = 0$ } represent the joint probability of each prediction probability and observed outcome for the $j = 0, 1, 2, 3, 4, 5$ possible prediction values. For example, at a prediction probability of 0.42 there were 172 patients with PONV; the joint probability (observed probability of PONV) was Prob{ $P_2 = 0.42, Y = 1$ } = 172/1444 = 0.119. This is much less than the predicted probability for patients with 2 risk factors. The sum of each column and of each row is a marginal probability. For example, at a prediction probability of 0.18 the marginal probability of P for all such patients was Prob{ $P_1 = 0.18$ } = 381/1444 = 0.264. Prob{Y = 1} and Prob{Y = 0} represents the marginal probabilities across all prediction probabilities. The prevalence of PONV in the 1444 patients was Prob{Y = 1} = 540/1444 = 0.374.

Table 2. Conditional Empirical Probability Distributions

Prediction probabilities (Koivuranta risk scores)	$j = 0$ 0.17 (0 risk factors)	$j = 1$ 0.18 (1 risk factor)	$j = 2$ 0.42 (2 risk factors)	$j = 3$ 0.54 (3 risk factors)	$j = 4$ 0.74 (4 risk factors)	$j = 5$ 0.87 (5 risk factors)
# events/N Prob{ $Y = 1 \mid P_j$ }	10/119 (0.084)	74/381 (0.194)	172/488 (0.352)	198/339 (0.584)	71/101 (0.702)	15/16 (0.938)
# events/N Prob{ $Y = 0 \mid P_j$ }	109/119 (0.916)	307/381 (0.806)	316/488 (0.648)	141/339 (0.416)	30/101 (0.298)	1/16 (0.062)
# events/N Prob{ $P_j \mid Y = 1$ }	10/540 (0.018)	74/540 (0.137)	172/540 (0.319)	198/540 (0.367)	71/540 (0.131)	15/540 (0.028)
# events/N Prob{ $P_j \mid Y = 0$ }	109/904 (0.120)	307/904 (0.340)	316/904 (0.350)	141/904 (0.156)	30/904 (0.033)	1/904 (0.001)

Table 2 Legend

The risk score of Koivuranta et al³ assigns a prediction probability ($k = 0.17, 0.18, 0.42, 0.54, 0.74, 0.87$) for PONV by the tally of 0 to 5 risk factors (female sex, previous PONV, surgery duration greater than 60 minutes, history of motion sickness, smoking). Eberhart et al¹ tabulated the occurrence of PONV by the Koivuranta risk score in 1444 patients.

Prob{ $Y = 1 \mid P_k$ }, Prob{ $Y = 0 \mid P_k$ }, Prob{ $P_k \mid Y = 1$ }, and Prob{ $P_k \mid Y = 0$ } represent the four conditional probabilities. For example, given that the predicted probability was 0.54, there were 198 of 339 patients with PONV, the conditional probability being Prob{ $Y = 1 \mid P_3 = 0.54$ } = 198/339 = 0.584. By contrast, of the 540 patients who had PONV, the conditional probability that their predicted PONV risk was 0.54 is Prob{ $P_5 = 0.54 \mid Y = 1$ } = 198/540 = 0.367.

PONV: Performance, Discrimination, and Calibration

The c statistic, also known as the AUC, with bootstrap 95% Confidence Intervals was 0.70 (0.67-0.73) — predictorA; 0.73 (0.70-0.75) — predictorK; and 0.67 (0.64-0.69) predictorP; this is a moderate level of discrimination. As statistical comparisons between risk scores by their P 's has unfavorable properties, no hypothesis testing was attempted.⁶

The results of Cox Binary Regression (Table 3) show that only the Koivuranta predictions had the desired near zero intercept and a slope near the ideal value of one. While all three risk scores had discrimination, only the Koivuranta predictions had significant calibration. The small R^2 's show that most of the variability in the risk of PONV is not explained by the risk scores.

Figure 2 is the Cox regression plot for the Koivuranta risk score.

Table 3. PONV Validation Statistics

Predictor Scores	Cox Binary Regression Parameters		Cox Binary Regression Statistics		Overall Performance	
	α (intercept)	β (slope)	Discrimination Index D	Calibration Index U	Brier Score	Nagelkerke R^2
Apfel et al ²	0.45	0.81	Yes; D = 0.12; $\chi^2 = 172$; $p < 10^{-8}$	No; U = 0.08; $\chi^2 = 124$; $p < 10^{-8}$	0.22	0.15
Koivuranta et al ³	-0.07	1.06	Yes; D = 0.15; $\chi^2 = 223$; $p < 10^{-8}$	Yes; U = 0.0005; $\chi^2 = 2.78$; $p = 0.25$	0.19	0.19
Palazzo & Evans ⁴	0.20	0.33	Yes; D = 0.07; $\chi^2 = 103$; $p < 10^{-8}$	No; U = 0.49; $\chi^2 = 713$; $p < 10^{-8}$	0.26	0.09

Table 3 Legend

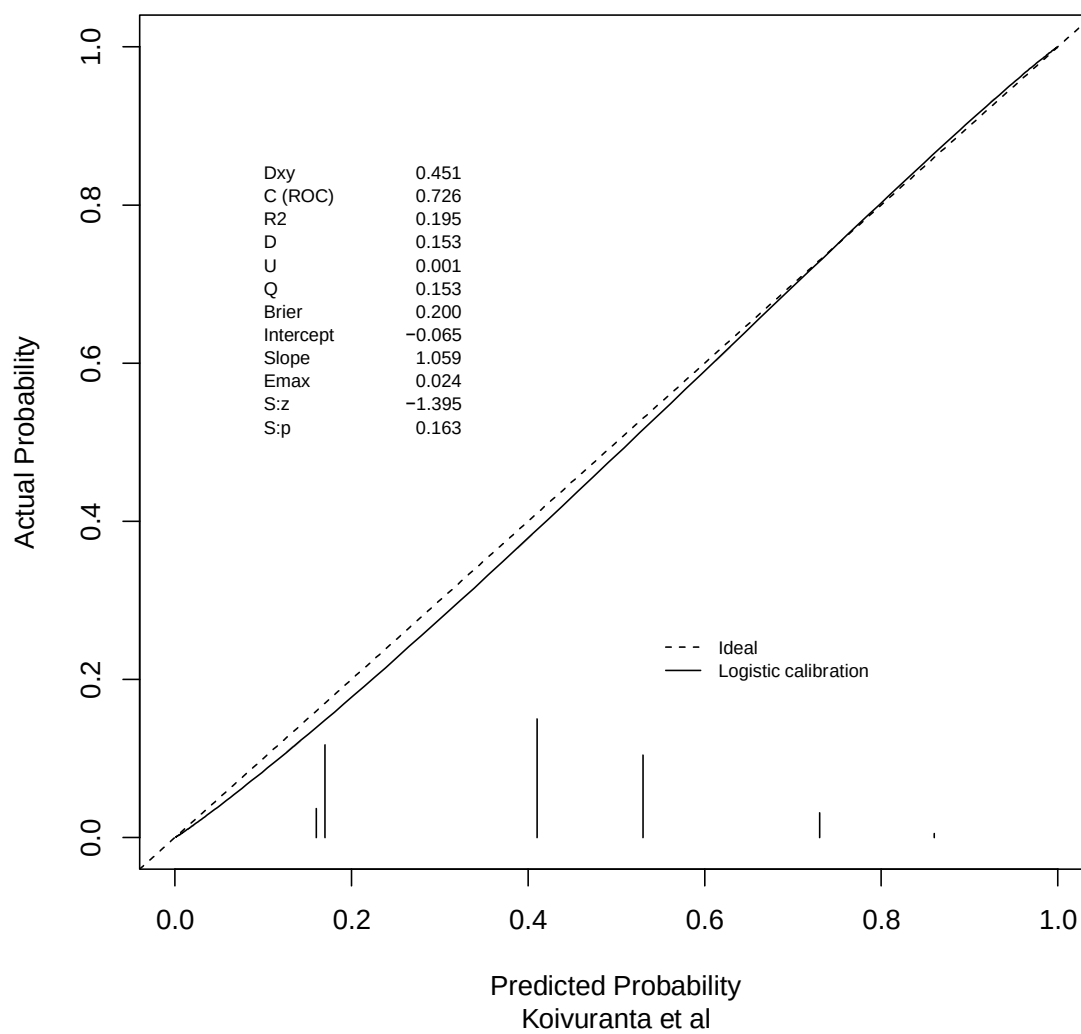
Eberhart et al¹ tabulated the occurrence of PONV versus the predicted probabilities from three risk scores²⁻⁴. The parameter estimates from Cox Binary Regression delineate the properties of the risk scores. The slope (β) must be different from zero for the risk score to have discrimination (D Index statistically significant); all three scores

have discrimination. Jointly, the slope (β) should be about one and the intercept about zero for the risk score to show calibration (U Index not statistically significant); only the Koivuranta score demonstrates calibration. The Nagelkerke R^2 values (0.15, 0.19, 0.09) show that the risk of PONV is not well explained by the risk scores. The Brier Score is lowest for Koivuranta.

Figure 2 Legend

Calibration is the correctness of prediction probabilities on an absolute scale. Ideal calibration is the 45° diagonal line of identical predicted and actual probabilities. The logistic calibration was reliable. The slope (-0.065) and intercept (1.059) are close to the ideal values of zero and one. The vertical lines along the x axis show the relative proportion of observations at the six discrete prediction probabilities (0.17, 0.18, 0.42, 0.54, 0.74, 0.87).

Figure 2. Calibration Plot: Postoperative Nausea and Vomiting



Reclassification Statistics

As shown in Figure 1, the risk scores had only moderate concordance. Comparing predictorA vs predictorK by Net Reclassification Improvement (NRI), there are large increases for events and nonevents, but overall there is no change in NRI. In comparing two risk scores, the Integrated Discrimination Improvement (IDI) is the overall improvement in sensitivity and specificity by the first risk score compared to the second risk score. IDI is only a measure of discrimination, not calibration. Compared to the Apfel risk score, sensitivity improved and specificity diminished. The Koivuranta risk score had a small, significant increase in the sum of sensitivity and specificity (IDI = 0.0292; $p = 0.00004$).

R Output for Function improveProb

Analysis of Proportions of Subjects with Improvement in Predicted Probability

Number of events: 540 Number of non-events: 904

Proportions of Positive and Negative Changes in Probabilities

		Proportion					
Increase for events	(1)	0.867					
Increase for non-events	(2)	0.876					
Decrease for events	(3)	0.133					
Decrease for non-events	(4)	0.124					
Net Reclassification Improvement							
		Index	SE	Z	2P	Lower 0.95	Upper 0.95
NRI	(1-3+4-2)	-0.0189	0.0544	-0.347	0.729	-0.125	0.0877
NRI for events	(1-3)	0.7333	0.0430	17.041	0.000	0.649	0.8177
NRI for non-events	(4-2)	-0.7522	0.0333	-22.616	0.000	-0.817	-0.6870

Analysis of Changes in Predicted Probabilities

		Mean Change in Probability	
Increase for events (sensitivity)		0.155	
Decrease for non-events (specificity)		-0.126	

Integrated Discrimination Improvement

(average of sensitivity and 1-specificity over [0,1];
also is difference in Yates' discrimination slope)

IDI	SE	Z	2P	Lower 0.95	Upper 0.95
2.92e-02	7.11e-03	4.10e+00	4.13e-05	1.52e-02	4.31e-02

Statistical Software

Analyses were run in version 2.12.1 of R: A Language and Environment for Statistical Computing (R Foundation for Statistical Computing, Vienna, Austria) which is available as Free Software under the terms of the Free Software Foundation's GNU General Public License. Functions from the packages lattice (Lattice Graphics Package; 0.19-17), verification (Forecast Verification Utilities Package; 1.31), pROC (Display and Analyze ROC Curves Package; 1.4.1), rms (Regression Modeling Strategies Package; 3.1-0) and Hmisc (Harrell Miscellaneous Package; 1.31) were used. A data frame ponv2000.df with variables idno, predictorA, predictorK, predictorP, eventPONV, and eventPV was created. PONV and PV are score 0 for no event and 1 for an event. Control language for some of the results is shown. Explanation of arguments, syntax, and results are available in the help pages of each package.

Scatter Plot Matrix of Predictors

```
require(lattice)
splom(ponv2000.df[,2:4], varnames = c('Apfel et al', 'Koivuranta et al', 'Palazzo &
Evans'), main = 'Figure 1. Scatter Plot Matrix of Prediction Probabilities', xlim = c(-0.1,
1.1), xlab = 'Prediction Probability (0, 1)', ylim = c(-0.1, 1.1), ylab = 'Prediction
Probability (0, 1)', sub = 'The scatter plots are mirrored around the diagonal.')
```

Joint ROC plots

```
require(verification)
roc.plot(ponv2000.df$eventPONV, ponv2000Predictors.mat, binormal = F, legend = T,
plot.thres = NULL, main = "", leg.text = c('Apfel 1998', 'Koivuranta 1997', 'Palazzo
1993'), show.thres = F, xlab = '1 - Specificity (False Positive Rate)', ylab = 'Sensitivity
(True Positive Rate)', lwd = 5)
```

AUC and bootstrap Coefficient Internals for eventPONV

```
require(rPOC)
auc(response = ponv2000.df$eventPONV, predictor = ponv2000.df$predictorA)
```

```

ci.auc(response = ponv2000.df$eventPONV, predictor = ponv2000.df$predictorA,
method = 'bootstrap', boot.n = 10000)
#
auc(response = ponv2000.df$eventPONV, predictor = ponv2000.df$predictorK)
ci.auc(response = ponv2000.df$eventPONV, predictor = ponv2000.df$predictorK,
method = 'bootstrap', boot.n = 10000)
#
auc(response = ponv2000.df$eventPONV, predictor = ponv2000.df$predictorP)
ci.auc(response = ponv2000.df$eventPONV, predictor = ponv2000.df$predictorP,
method = 'bootstrap', boot.n = 10000)

```

Cox Binary Regression for eventPONV

```

require(rms)
val.prob(p = ponv2000.df$predictorA, y = ponv2000.df$eventPONV, pl = T, smooth = F,
logistic.cal = T, riskdist = 'predicted', statloc = c(.1, .85))
val.prob(p = ponv2000.df$predictorK, y = ponv2000.df$eventPONV, pl = T, smooth = F,
logistic.cal = T, riskdist = 'predicted', statloc = c(.1, .85))
val.prob(p = ponv2000.df$predictorP, y = ponv2000.df$eventPONV, pl = T, smooth = F,
logistic.cal = T, riskdist = 'predicted', statloc = c(.1, .85))

```

Comparison of Predictors by Net Reclassification Improvement and Integrated Discrimination Improvement

```

require(Hmisc)
improveProb(ponv2000.df$predictorA, ponv2000.df$predictorK,
ponv2000.df$eventPONV)
improveProb(ponv2000.df$predictorA, ponv2000.df$predictorP,
ponv2000.df$eventPONV)
improveProb(ponv2000.df$predictorK, ponv2000.df$predictorP,
ponv2000.df$eventPONV)
improveProb(ponv2000.df$predictorA, ponv2000.df$predictorK, ponv2000.df$eventPV)
improveProb(ponv2000.df$predictorA, ponv2000.df$predictorP, ponv2000.df$eventPV)

```

```
improveProb(ponv2000.df$predictorK, ponv2000.df$predictorP, ponv2000.df$eventPV)
```


Data (data frame ponv2000.df)

	idno	predictorA	predictorK	predictorP	eventPONV	eventPV
1	535	0.07878288	0.17	0.057866955	0	0
2	737	0.13485854	0.18	0.057866955	0	0
3	721	0.20943518	0.18	0.057866955	1	0
4	534	0.09996022	0.17	0.057866955	0	0
5	767	0.14278689	0.42	0.057866955	0	0
6	538	0.07992744	0.18	0.057866955	1	0
7	945	0.18113648	0.42	0.006496332	1	1
8	537	0.12206702	0.18	0.006496332	0	0
9	949	0.09062726	0.17	0.057866955	1	0
10	719	0.38020772	0.54	0.764947804	1	0
11	723	0.12671369	0.18	0.006496332	1	0
12	533	0.18207777	0.42	0.057866955	1	0
13	548	0.20603391	0.42	0.057866955	0	0
14	128	0.14124351	0.18	0.057866955	0	0
15	144	0.04632387	0.18	0.057866955	0	0
16	127	0.08858789	0.18	0.006496332	1	0
17	152	0.25584707	0.42	0.057866955	1	0
18	143	0.08770376	0.18	0.057866955	0	0
19	775	0.44168328	0.54	0.764947804	1	1
20	766	0.15683082	0.18	0.006496332	0	0
21	117	0.19781611	0.18	0.057866955	0	0
22	765	0.29345415	0.54	0.057866955	1	1
23	109	0.15546923	0.18	0.057866955	0	0
24	567	0.06805231	0.18	0.006496332	0	0
25	707	0.11656864	0.18	0.057866955	0	0
26	736	0.21198527	0.42	0.006496332	0	0
27	954	0.17975622	0.18	0.057866955	0	0
28	564	0.22811248	0.42	0.057866955	0	0
29	565	0.18663881	0.18	0.057866955	1	0
30	552	0.04570930	0.17	0.057866955	0	0
31	173	0.07672733	0.17	0.006496332	0	0
32	187	0.14641501	0.18	0.057866955	0	0
33	169	0.28116975	0.42	0.057866955	0	0
34	600	0.17145741	0.42	0.057866955	1	0
35	603	0.22811248	0.42	0.057866955	0	0
36	168	0.04090779	0.17	0.057866955	0	0
37	596	0.06097757	0.18	0.057866955	0	0
38	578	0.05928224	0.18	0.057866955	0	0
39	407	0.35213524	0.42	0.057866955	0	0
40	678	0.13724853	0.42	0.057866955	1	0
41	592	0.17331208	0.42	0.057866955	0	0
42	185	0.07175754	0.17	0.057866955	1	0
43	585	0.09120581	0.17	0.057866955	0	0
44	576	0.17990371	0.42	0.057866955	0	0
45	597	0.15555678	0.42	0.057866955	0	0
46	667	0.21192959	0.18	0.057866955	0	0
47	730	0.18442257	0.18	0.057866955	0	0

48	690	0.09491905	0.18	0.006496332	0	0
49	662	0.09123345	0.17	0.057866955	0	0
50	536	0.16360217	0.18	0.006496332	0	0
51	738	0.10669059	0.17	0.057866955	0	0
52	539	0.08885739	0.18	0.057866955	0	0
53	735	0.25451663	0.42	0.057866955	1	1
54	557	0.16840132	0.42	0.764947804	1	0
55	558	0.25337988	0.18	0.057866955	0	0
56	560	0.12448068	0.17	0.006496332	0	0
57	673	0.07571809	0.17	0.006496332	0	0
58	676	0.33203398	0.74	0.764947804	1	1
59	691	0.10530079	0.18	0.057866955	0	0
60	690	0.06440448	0.17	0.057866955	0	0
61	692	0.12931826	0.18	0.057866955	1	0
62	675	0.07863785	0.18	0.006496332	1	0
63	559	0.24373075	0.18	0.057866955	0	0
64	164	0.10386492	0.42	0.057866955	0	0
65	162	0.26160046	0.18	0.057866955	1	0
66	200	0.05030674	0.18	0.057866955	0	0
67	201	0.22934736	0.42	0.057866955	1	1
68	79	0.13595119	0.42	0.057866955	0	0
69	221	0.14108186	0.17	0.057866955	0	0
70	155	0.09867805	0.17	0.057866955	0	0
71	148	0.17774996	0.42	0.057866955	0	0
72	150	0.16548088	0.42	0.057866955	0	0
73	225	0.07774889	0.17	0.057866955	0	0
74	235	0.11371600	0.42	0.057866955	0	0
75	501	0.21142898	0.42	0.057866955	0	0
76	493	0.13082696	0.17	0.006496332	0	0
77	191	0.19097819	0.18	0.057866955	0	0
78	410	0.08208622	0.18	0.057866955	0	0
79	477	0.10526939	0.42	0.057866955	1	0
80	412	0.09126109	0.18	0.057866955	0	0
81	475	0.22040061	0.18	0.006496332	0	0
82	101	0.20652509	0.18	0.057866955	0	0
83	102	0.24780875	0.18	0.006496332	0	0
84	95	0.10533220	0.18	0.006496332	0	0
85	96	0.23939487	0.42	0.057866955	0	0
86	194	0.08429796	0.18	0.057866955	0	0
87	199	0.10812867	0.17	0.057866955	0	0
88	197	0.12437174	0.18	0.006496332	0	0
89	198	0.05616452	0.18	0.057866955	0	0
90	75	0.17174172	0.18	0.057866955	0	0
91	132	0.27734561	0.42	0.006496332	0	0
92	131	0.08312187	0.17	0.006496332	0	0
93	771	0.09609966	0.42	0.057866955	0	0
94	770	0.07218054	0.42	0.057866955	1	0
95	112	0.11670601	0.42	0.057866955	1	0
96	140	0.29055983	0.18	0.057866955	0	0
97	64	0.25743688	0.54	0.257309455	1	0
98	681	0.39420593	0.54	0.764947804	0	0

99	135	0.14817337	0.18	0.057866955	0	0
100	350	0.07274062	0.17	0.057866955	0	0
101	123	0.15762586	0.42	0.057866955	0	0
102	342	0.09245677	0.18	0.057866955	0	0
103	214	0.12675058	0.18	0.057866955	0	0
104	218	0.23715637	0.42	0.057866955	0	0
105	344	0.04148712	0.17	0.006496332	0	0
106	322	0.16961851	0.18	0.057866955	1	0
107	341	0.15204298	0.18	0.057866955	0	0
108	351	0.07467498	0.42	0.057866955	0	0
109	120	0.07359962	0.18	0.057866955	0	0
110	324	0.35870253	0.42	0.006496332	1	0
111	73	0.07213591	0.18	0.057866955	0	0
112	84	0.17668069	0.42	0.057866955	0	0
113	82	0.25205792	0.18	0.057866955	0	0
114	250	0.24073271	0.42	0.006496332	0	0
115	263	0.10402015	0.17	0.057866955	0	0
116	312	0.08762378	0.18	0.006496332	0	0
117	256	0.16328314	0.42	0.764947804	0	0
118	248	0.11955335	0.42	0.057866955	1	1
119	64	0.19728770	0.42	0.006496332	0	0
120	61	0.24656818	0.18	0.006496332	0	0
121	63	0.31367368	0.54	0.057866955	0	0
122	60	0.13677557	0.42	0.057866955	0	0
123	269	0.05546189	0.17	0.057866955	0	0
124	53	0.22864114	0.42	0.057866955	0	0
125	88	0.09814569	0.18	0.057866955	0	0
126	267	0.11753323	0.18	0.057866955	1	1
127	272	0.20921451	0.42	0.057866955	0	0
128	62	0.23397510	0.42	0.057866955	0	0
129	26	0.10800015	0.18	0.057866955	0	0
130	31	0.13665754	0.54	0.764947804	0	0
131	25	0.14545944	0.42	0.057866955	0	0
132	148	0.07990293	0.18	0.057866955	0	0
133	28	0.19320258	0.42	0.006496332	0	0
134	24	0.15067287	0.18	0.057866955	1	1
135	136	0.26940043	0.42	0.057866955	0	0
136	140	0.11151751	0.42	0.057866955	0	0
137	139	0.17784742	0.42	0.057866955	1	0
138	286	0.21054114	0.42	0.057866955	0	0
139	283	0.11670601	0.54	0.257309455	0	0
140	252	0.06696121	0.17	0.057866955	0	0
141	284	0.06841258	0.18	0.006496332	0	0
142	279	0.38225212	0.18	0.006496332	1	1
143	253	0.05133579	0.18	0.057866955	0	0
144	254	0.17273973	0.18	0.057866955	1	0
145	881	0.26574224	0.42	0.057866955	0	0
146	877	0.10327691	0.42	0.057866955	0	0
147	875	0.15753736	0.18	0.057866955	0	0
148	31	0.05180861	0.18	0.006496332	0	0
149	913	0.08370804	0.17	0.006496332	0	0

150	874	0.12830828	0.18	0.057866955	0	0
151	2	0.13254210	0.18	0.057866955	0	0
152	12	0.29345415	0.54	0.057866955	0	0
153	13	0.16957157	0.18	0.057866955	0	0
154	314	0.08414371	0.18	0.057866955	0	0
155	948	0.26308410	0.18	0.057866955	0	0
156	697	0.23082358	0.18	0.057866955	0	0
157	695	0.23988076	0.42	0.006496332	0	0
158	30	0.08309647	0.18	0.006496332	1	0
159	763	0.11739501	0.18	0.006496332	0	0
160	752	0.11663731	0.42	0.057866955	0	0
161	693	0.06088220	0.18	0.006496332	0	0
162	880	0.25111646	0.42	0.057866955	1	0
163	882	0.08703928	0.42	0.006496332	0	0
164	927	0.11017057	0.17	0.057866955	0	0
165	824	0.12281918	0.42	0.057866955	0	0
166	860	0.15097172	0.18	0.057866955	0	0
167	866	0.13067542	0.42	0.057866955	0	0
168	915	0.27415026	0.42	0.057866955	0	0
169	914	0.23571211	0.42	0.057866955	0	0
170	911	0.07462892	0.18	0.006496332	0	0
171	40	0.04669342	0.17	0.006496332	0	0
172	926	0.09788047	0.18	0.057866955	0	0
173	975	0.12815923	0.42	0.006496332	0	0
174	884	0.08463306	0.18	0.057866955	0	0
175	314	0.13579464	0.18	0.057866955	1	0
176	201	0.10253837	0.18	0.057866955	0	0
177	178	0.13385058	0.42	0.057866955	0	0
178	291	0.16433328	0.18	0.057866955	0	0
179	288	0.08821183	0.17	0.057866955	0	0
180	301	0.10955123	0.18	0.057866955	0	0
181	309	0.34781293	0.42	0.057866955	1	0
182	294	0.10530079	0.42	0.057866955	1	1
183	320	0.21562722	0.18	0.057866955	0	0
184	181	0.07825230	0.42	0.057866955	1	1
185	616	0.30718064	0.42	0.057866955	1	0
186	612	0.18734827	0.54	0.764947804	0	0
187	620	0.14438547	0.42	0.006496332	0	0
188	194	0.15286132	0.17	0.006496332	0	0
189	545	0.07175754	0.17	0.006496332	0	0
190	584	0.09240085	0.17	0.006496332	1	0
191	615	0.12124779	0.42	0.006496332	0	0
192	175	0.11231263	0.42	0.057866955	1	0
193	208	0.12663994	0.18	0.057866955	0	0
194	187	0.21176262	0.42	0.057866955	0	0
195	190	0.17470145	0.42	0.057866955	0	0
196	176	0.06989305	0.18	0.006496332	0	0
197	200	0.16355656	0.42	0.006496332	0	0
198	197	0.18974520	0.54	0.057866955	1	0
199	297	0.04729053	0.18	0.006496332	0	0
200	2	0.25168105	0.42	0.057866955	0	0

201	23	0.22905292	0.42	0.057866955	0	0
202	44	0.06931024	0.18	0.057866955	0	0
203	46	0.05773988	0.18	0.057866955	0	0
204	236	0.17055957	0.42	0.057866955	0	0
205	243	0.12980696	0.42	0.057866955	0	0
206	313	0.13173934	0.18	0.057866955	0	0
207	237	0.16337424	0.18	0.006496332	0	0
208	78	0.13843694	0.18	0.057866955	0	0
209	134	0.15368325	0.18	0.057866955	0	0
210	22	0.29622626	0.42	0.764947804	1	1
211	16	0.12103486	0.18	0.057866955	0	0
212	74	0.10806439	0.17	0.057866955	0	0
213	39	0.13423750	0.42	0.006496332	0	0
214	3	0.14927060	0.18	0.057866955	0	0
215	932	0.17474952	0.18	0.006496332	0	0
216	834	0.12586774	0.42	0.057866955	0	0
217	968	0.19445264	0.18	0.057866955	0	0
218	47	0.40267458	0.54	0.057866955	1	1
219	225	0.06440448	0.17	0.006496332	0	0
220	963	0.07569477	0.17	0.006496332	0	0
221	831	0.15437822	0.42	0.057866955	1	1
222	223	0.11729144	0.18	0.057866955	0	0
223	184	0.17479759	0.18	0.057866955	0	0
224	210	0.10454947	0.18	0.057866955	0	0
225	216	0.64908052	0.42	0.057866955	0	0
226	186	0.06873193	0.18	0.057866955	0	0
227	234	0.21999995	0.42	0.057866955	0	0
228	235	0.39787353	0.42	0.764947804	0	0
229	229	0.15299086	0.18	0.006496332	0	0
230	295	0.15762586	0.42	0.057866955	0	0
231	289	0.09864841	0.17	0.057866955	0	0
232	294	0.11826121	0.17	0.006496332	0	0
233	251	0.15477026	0.42	0.764947804	0	0
234	241	0.26548215	0.54	0.057866955	1	0
235	252	0.22688229	0.18	0.057866955	0	0
236	389	0.06982807	0.17	0.057866955	0	0
237	261	0.06888143	0.42	0.057866955	0	0
238	388	0.16165029	0.18	0.057866955	0	0
239	384	0.12660307	0.42	0.764947804	0	0
240	385	0.22688229	0.18	0.057866955	0	0
241	260	0.06788338	0.18	0.057866955	0	0
242	256	0.19781611	0.18	0.057866955	0	0
243	263	0.08314728	0.17	0.057866955	0	0
244	381	0.14910136	0.18	0.006496332	1	0
245	401	0.36663811	0.42	0.057866955	1	1
246	404	0.12124779	0.42	0.006496332	0	0
247	399	0.06356602	0.18	0.057866955	0	0
248	366	0.06356602	0.18	0.057866955	0	0
249	336	0.18663881	0.18	0.057866955	0	0
250	340	0.14821545	0.42	0.057866955	0	0
251	332	0.17364665	0.42	0.057866955	0	0

252	367	0.08091347	0.42	0.057866955	1	0
253	718	0.13408262	0.18	0.057866955	0	0
254	833	0.17316886	0.42	0.057866955	0	0
255	706	0.24225917	0.42	0.057866955	1	0
256	725	0.32695272	0.42	0.057866955	1	0
257	722	0.15581968	0.18	0.057866955	0	0
258	830	0.13768328	0.18	0.006496332	0	0
259	721	0.04265579	0.17	0.057866955	0	0
260	963	0.23988076	0.18	0.057866955	0	0
261	931	0.19185525	0.54	0.006496332	1	0
262	960	0.13919406	0.42	0.057866955	0	0
263	945	0.63072617	0.42	0.057866955	1	0
264	933	0.11079298	0.42	0.006496332	0	0
265	731	0.09601283	0.42	0.057866955	1	0
266	942	0.26828655	0.42	0.057866955	0	0
267	938	0.14011522	0.18	0.057866955	0	0
268	724	0.20570693	0.54	0.057866955	1	0
269	249	0.46679893	0.54	0.057866955	0	0
270	711	0.07371334	0.17	0.057866955	0	0
271	286	0.13235059	0.18	0.006496332	0	0
272	238	0.26424898	0.42	0.057866955	0	0
273	312	0.22922956	0.42	0.057866955	1	0
274	311	0.10803227	0.42	0.057866955	0	0
275	773	0.13419877	0.17	0.057866955	0	0
276	766	0.10367891	0.18	0.006496332	1	0
277	761	0.11082582	0.42	0.006496332	0	0
278	758	0.11221297	0.18	0.057866955	0	0
279	771	0.08637936	0.18	0.006496332	0	0
280	699	0.32937791	0.42	0.006496332	0	0
281	713	0.09240085	0.17	0.006496332	0	0
282	774	0.11819171	0.17	0.057866955	0	0
283	119	0.07822826	0.18	0.006496332	0	0
284	22	0.12278327	0.18	0.006496332	0	0
285	1	0.15846863	0.18	0.006496332	0	0
286	16	0.50258331	0.54	0.057866955	1	1
287	55	0.05575949	0.18	0.006496332	0	0
288	52	0.21794767	0.42	0.006496332	0	0
289	62	0.42002600	0.54	0.257309455	1	0
290	64	0.12590442	0.42	0.006496332	1	0
291	1019	0.08091347	0.17	0.057866955	0	0
292	379	0.19866380	0.54	0.006496332	1	0
293	373	0.07173534	0.42	0.006496332	0	0
294	82	0.07419272	0.17	0.006496332	0	0
295	1018	0.21920020	0.42	0.057866955	1	1
296	6	0.10122685	0.42	0.057866955	0	0
297	106	0.08813143	0.18	0.057866955	0	0
298	16	0.07458290	0.17	0.057866955	0	0
299	1021	0.40999163	0.42	0.057866955	0	0
300	41	0.12274737	0.18	0.006496332	1	1
301	29	0.18765296	0.42	0.006496332	0	0
302	116	0.20805876	0.42	0.006496332	0	0

303	101	0.12999534	0.42	0.057866955	1	0
304	203	0.14905908	0.18	0.006496332	0	0
305	72	0.29338505	0.42	0.057866955	1	0
306	102	0.20342887	0.54	0.057866955	0	0
307	142	0.39587882	0.74	0.764947804	1	1
308	233	0.23290143	0.54	0.006496332	1	1
309	959	0.21908612	0.42	0.057866955	0	0
310	446	0.22062979	0.18	0.006496332	0	0
311	452	0.21937140	0.18	0.006496332	0	0
312	448	0.14116266	0.18	0.057866955	0	0
313	516	0.22934736	0.18	0.057866955	0	0
314	511	0.15767013	0.42	0.057866955	0	0
315	409	0.20251216	0.18	0.057866955	1	0
316	455	0.39603827	0.54	0.057866955	0	0
317	623	0.09996022	0.18	0.057866955	1	1
318	630	0.11076014	0.18	0.057866955	0	0
319	638	0.41354410	0.18	0.006496332	1	0
320	639	0.08770376	0.17	0.057866955	0	0
321	687	0.07555495	0.18	0.006496332	0	0
322	453	0.21192959	0.42	0.057866955	1	0
323	459	0.10389595	0.18	0.057866955	0	0
324	632	0.13250378	0.42	0.057866955	1	0
325	686	0.08314728	0.17	0.057866955	0	0
326	633	0.14274609	0.18	0.057866955	0	0
327	473	0.07982944	0.17	0.057866955	0	0
328	451	0.10523800	0.42	0.057866955	0	0
329	449	0.23189056	0.42	0.057866955	1	0
330	462	0.17055957	0.42	0.057866955	0	0
331	463	0.13423750	0.17	0.057866955	1	0
332	415	0.43470830	0.42	0.057866955	0	0
333	782	0.13086487	0.42	0.057866955	0	0
334	814	0.03871663	0.17	0.057866955	0	0
335	466	0.29049112	0.42	0.057866955	1	1
336	423	0.38920227	0.42	0.006496332	1	0
337	424	0.06796780	0.42	0.057866955	0	0
338	443	0.22554032	0.42	0.057866955	0	0
339	432	0.06010548	0.18	0.057866955	0	0
340	417	0.25067792	0.18	0.057866955	1	1
341	425	0.12752740	0.17	0.006496332	0	0
342	467	0.15771440	0.18	0.057866955	0	0
343	483	0.05172680	0.17	0.057866955	0	0
344	480	0.04897021	0.17	0.057866955	0	0
345	411	0.26256744	0.54	0.057866955	1	0
346	523	0.03007085	0.17	0.057866955	0	0
347	522	0.21670032	0.42	0.057866955	0	0
348	528	0.23727700	0.18	0.057866955	1	0
349	488	0.13744600	0.18	0.057866955	0	0
350	530	0.07369058	0.17	0.006496332	0	0
351	510	0.10533220	0.18	0.057866955	0	0
352	517	0.18729753	0.42	0.764947804	0	0
353	505	0.17046528	0.18	0.057866955	0	0

354	651	0.10803227	0.17	0.057866955	0	0
355	644	0.21209665	0.18	0.057866955	0	0
356	643	0.08533291	0.42	0.057866955	0	0
357	657	0.05779431	0.18	0.057866955	0	0
358	649	0.14817337	0.42	0.057866955	0	0
359	641	0.07085254	0.18	0.006496332	0	0
360	683	0.08656368	0.18	0.057866955	1	0
361	689	0.09002470	0.18	0.057866955	0	0
362	693	0.12138992	0.18	0.057866955	1	0
363	688	0.17446128	0.42	0.057866955	0	0
364	646	0.33559206	0.42	0.006496332	0	0
365	621	0.10250770	0.42	0.006496332	1	1
366	656	0.11516860	0.18	0.057866955	0	0
367	654	0.11217976	0.18	0.006496332	0	0
368	624	0.14100109	0.17	0.057866955	0	0
369	648	0.05035454	0.17	0.006496332	0	0
370	790	0.08767709	0.18	0.006496332	1	0
371	123	0.09665121	0.42	0.006496332	0	0
372	158	0.06965507	0.18	0.006496332	1	1
373	140	0.11079298	0.42	0.006496332	0	0
374	141	0.15829090	0.42	0.006496332	0	0
375	954	0.13416004	0.17	0.057866955	0	0
376	749	0.08885739	0.18	0.057866955	0	0
377	953	0.06262024	0.18	0.006496332	0	0
378	236	0.22536569	0.42	0.006496332	1	1
379	8	0.14897453	0.18	0.006496332	0	0
380	94	0.29754832	0.42	0.006496332	1	0
381	30	0.06313089	0.18	0.006496332	0	0
382	23	0.22449401	0.18	0.006496332	0	0
383	29	0.07762946	0.18	0.006496332	0	0
384	96	0.15208596	0.18	0.006496332	0	0
385	3	0.06350652	0.18	0.057866955	0	0
386	999	0.06702371	0.18	0.057866955	0	0
387	967	0.22682382	0.42	0.057866955	0	0
388	738	0.33678228	0.42	0.057866955	0	0
389	745	0.10392698	0.17	0.057866955	0	0
390	939	0.15762586	0.42	0.057866955	0	0
391	1004	0.05887460	0.18	0.057866955	1	0
392	1000	0.08653733	0.18	0.057866955	0	0
393	991	0.24250401	0.18	0.057866955	0	0
394	751	0.05391111	0.17	0.006496332	0	0
395	951	0.19549904	0.42	0.057866955	0	0
396	952	0.07722468	0.18	0.057866955	0	0
397	957	0.43102592	0.54	0.006496332	0	0
398	754	0.10116621	0.18	0.057866955	0	0
399	737	0.07978048	0.42	0.057866955	0	0
400	744	0.08999740	0.17	0.057866955	0	0
401	772	0.03871663	0.17	0.057866955	0	0
402	818	0.18892660	0.18	0.006496332	0	0
403	835	0.12448068	0.18	0.057866955	1	0
404	821	0.03870423	0.17	0.057866955	0	0

405	852	0.34993309	0.42	0.057866955	0	0
406	848	0.09349686	0.42	0.057866955	0	0
407	842	0.15277501	0.18	0.057866955	0	0
408	46	0.15058758	0.42	0.006496332	1	0
409	797	0.12909324	0.18	0.057866955	0	0
410	849	0.30853015	0.42	0.057866955	1	1
411	812	0.15342331	0.18	0.057866955	0	0
412	836	0.10948621	0.18	0.006496332	0	0
413	123	0.15842418	0.18	0.006496332	0	0
414	36	0.15390015	0.18	0.006496332	0	0
415	13	0.20794893	0.18	0.057866955	1	1
416	105	0.05963643	0.18	0.006496332	1	0
417	14	0.05544443	0.18	0.006496332	0	0
418	34	0.05734219	0.17	0.006496332	1	0
419	200	0.08201090	0.42	0.057866955	1	0
420	183	0.12050394	0.42	0.057866955	0	0
421	233	0.32431757	0.54	0.006496332	0	0
422	489	0.10951871	0.18	0.006496332	0	0
423	296	0.10935628	0.18	0.006496332	0	0
424	514	0.08757050	0.42	0.057866955	1	0
425	508	0.22817118	0.18	0.057866955	0	0
426	577	0.16525085	0.18	0.057866955	0	0
427	324	0.28863967	0.54	0.764947804	1	1
428	299	0.13673622	0.18	0.006496332	1	1
429	492	0.06658731	0.17	0.057866955	0	0
430	826	0.07980496	0.42	0.057866955	0	0
431	827	0.14467397	0.18	0.057866955	0	0
432	817	0.18648706	0.42	0.057866955	0	0
433	561	0.13748552	0.18	0.057866955	0	0
434	179	0.25287573	0.18	0.057866955	0	0
435	572	0.22177828	0.42	0.006496332	0	0
436	177	0.11221297	0.42	0.057866955	0	0
437	583	0.10729571	0.18	0.057866955	0	0
438	555	0.17032392	0.42	0.057866955	1	0
439	559	0.15182823	0.18	0.057866955	0	0
440	218	0.08256469	0.17	0.006496332	0	0
441	553	0.15472666	0.18	0.057866955	0	0
442	538	0.09117819	0.17	0.006496332	0	0
443	543	0.14994914	0.42	0.006496332	1	1
444	69	0.04572384	0.17	0.006496332	0	0
445	542	0.12350313	0.18	0.057866955	0	0
446	51	0.06103485	0.17	0.057866955	0	0
447	964	0.07970710	0.18	0.006496332	0	0
448	540	0.18227642	0.18	0.057866955	0	0
449	245	0.07569477	0.42	0.057866955	1	1
450	240	0.15661055	0.42	0.057866955	1	1
451	550	0.20224312	0.42	0.764947804	1	0
452	558	0.15564438	0.42	0.057866955	1	1
453	48	0.20133040	0.42	0.257309455	0	0
454	1007	0.14372785	0.18	0.764947804	0	0
455	101	0.16460812	0.18	0.057866955	0	0

456	947	0.14725016	0.18	0.057866955	0	0
457	131	0.26724087	0.42	0.057866955	0	0
458	1006	0.08091347	0.17	0.057866955	0	0
459	935	0.11378321	0.17	0.057866955	0	0
460	948	0.07873451	0.18	0.006496332	0	0
461	154	0.13811919	0.18	0.057866955	0	0
462	123	0.06057798	0.17	0.057866955	0	0
463	715	0.29193598	0.42	0.006496332	0	0
464	768	0.14290933	0.18	0.057866955	0	0
465	116	0.11079298	0.18	0.057866955	0	0
466	111	0.06352635	0.17	0.057866955	0	0
467	708	0.08988826	0.42	0.006496332	0	0
468	122	0.11231263	0.42	0.057866955	0	0
469	127	0.70266065	0.54	0.764947804	0	0
470	994	0.41112096	0.42	0.057866955	0	0
471	121	0.11003993	0.18	0.057866955	0	0
472	937	0.17580960	0.18	0.057866955	1	0
473	799	0.07453690	0.18	0.057866955	0	0
474	735	0.08883041	0.17	0.057866955	1	0
475	157	0.17779869	0.18	0.057866955	0	0
476	809	0.21422112	0.42	0.057866955	0	0
477	104	0.16061401	0.18	0.057866955	0	0
478	117	0.21817502	0.18	0.057866955	0	0
479	784	0.11085868	0.42	0.057866955	1	1
480	167	0.04356328	0.17	0.057866955	0	0
481	786	0.20570693	0.42	0.764947804	1	1
482	783	0.07173534	0.17	0.057866955	0	0
483	803	0.11368241	0.18	0.057866955	1	0
484	105	0.03388425	0.17	0.057866955	0	0
485	106	0.28925604	0.18	0.006496332	0	0
486	172	0.03814998	0.18	0.006496332	0	0
487	843	0.14545944	0.42	0.006496332	0	0
488	971	0.07672733	0.18	0.057866955	0	0
489	941	0.07260584	0.18	0.057866955	0	0
490	425	0.31799529	0.42	0.006496332	1	0
491	929	0.10883790	0.18	0.006496332	0	0
492	959	0.09349686	0.42	0.057866955	1	1
493	45	0.06708627	0.17	0.006496332	0	0
494	431	0.10263043	0.18	0.057866955	0	0
495	781	0.11605472	0.18	0.006496332	0	0
496	923	0.47859642	0.42	0.006496332	1	1
497	890	0.25578362	0.42	0.057866955	1	0
498	359	0.22057248	0.42	0.057866955	0	0
499	943	0.21081829	0.42	0.006496332	0	0
500	956	0.08312187	0.17	0.006496332	0	0
501	413	0.14380992	0.18	0.057866955	0	0
502	940	0.10874095	0.42	0.006496332	1	1
503	365	0.21131785	0.42	0.006496332	0	0
504	452	0.09552212	0.18	0.006496332	0	0
505	526	0.13602952	0.18	0.057866955	0	0
506	485	0.18623434	0.18	0.057866955	1	0

507	484	0.09112296	0.18	0.057866955	0	0
508	646	0.14463273	0.42	0.257309455	0	0
509	642	0.08999740	0.17	0.057866955	0	0
510	420	0.16529683	0.42	0.057866955	0	0
511	480	0.13509205	0.42	0.057866955	1	0
512	934	0.32585340	0.54	0.006496332	0	0
513	432	0.06700287	0.42	0.057866955	1	1
514	429	0.20090195	0.54	0.057866955	1	0
515	426	0.12763871	0.17	0.057866955	0	0
516	439	0.10259973	0.17	0.006496332	0	0
517	479	0.13919406	0.18	0.057866955	1	0
518	434	0.12444436	0.42	0.057866955	0	0
519	465	0.10729571	0.42	0.006496332	1	1
520	16	0.05394512	0.17	0.006496332	0	0
521	58	0.18719607	0.42	0.057866955	1	1
522	450	0.11902804	0.17	0.057866955	0	0
523	270	0.16835465	0.42	0.057866955	1	1
524	454	0.18005130	0.42	0.057866955	0	0
525	246	0.09400663	0.17	0.006496332	0	0
526	264	0.11736048	0.42	0.057866955	1	1
527	909	0.19539421	0.42	0.057866955	0	0
528	26	0.07032768	0.42	0.006496332	0	0
529	348	0.16938390	0.54	0.057866955	0	0
530	947	0.10874095	0.17	0.006496332	0	0
531	983	0.10122685	0.18	0.057866955	0	0
532	708	0.11092441	0.18	0.057866955	0	0
533	724	0.33063082	0.42	0.764947804	1	1
534	751	0.13474191	0.42	0.057866955	0	0
535	896	0.34223877	0.42	0.057866955	0	0
536	926	0.03462302	0.17	0.057866955	0	0
537	929	0.16924325	0.42	0.057866955	0	0
538	878	0.09924277	0.18	0.006496332	0	0
539	927	0.07782062	0.18	0.057866955	0	0
540	361	0.10523800	0.18	0.057866955	0	0
541	19	0.08312187	0.42	0.006496332	0	0
542	35	0.14649835	0.18	0.057866955	0	0
543	924	0.14100109	0.18	0.057866955	0	0
544	336	0.06886006	0.18	0.006496332	0	0
545	639	0.32886271	0.42	0.057866955	0	0
546	648	0.07731975	0.18	0.057866955	0	0
547	636	0.13082696	0.18	0.057866955	0	0
548	632	0.19424388	0.42	0.006496332	0	0
549	635	0.13458654	0.18	0.057866955	1	1
550	666	0.14290933	0.18	0.057866955	0	0
551	650	0.10192650	0.17	0.006496332	0	0
552	641	0.17245412	0.42	0.057866955	0	0
553	611	0.17774996	0.42	0.006496332	1	0
554	396	0.11374960	0.42	0.057866955	0	0
555	81	0.07034948	0.18	0.006496332	0	0
556	20	0.36671552	0.54	0.006496332	1	1
557	80	0.37160597	0.42	0.057866955	0	0

558	16	0.12815923	0.18	0.006496332	0	0
559	83	0.39555998	0.42	0.006496332	0	0
560	678	0.12361142	0.42	0.057866955	1	1
561	523	0.06845508	0.17	0.057866955	1	0
562	515	0.42531304	0.54	0.764947804	1	0
563	496	0.11736048	0.18	0.057866955	0	0
564	516	0.21568360	0.18	0.006496332	0	0
565	645	0.13677557	0.42	0.057866955	1	0
566	525	0.16756274	0.18	0.057866955	1	0
567	654	0.27315643	0.18	0.057866955	0	0
568	676	0.09788047	0.42	0.057866955	1	0
569	638	0.09054488	0.42	0.057866955	0	0
570	533	0.16840132	0.18	0.057866955	0	0
571	1002	0.15771440	0.18	0.006496332	0	0
572	527	0.09808670	0.42	0.057866955	0	0
573	529	0.06654589	0.18	0.006496332	1	0
574	90	0.34186368	0.54	0.006496332	0	0
575	56	0.26985993	0.42	0.006496332	0	0
576	904	0.18447271	0.18	0.006496332	0	0
577	48	0.19623406	0.54	0.006496332	1	0
578	54	0.19861074	0.42	0.006496332	1	1
579	907	0.12121228	0.42	0.057866955	0	0
580	428	0.10669059	0.42	0.006496332	0	0
581	900	0.09867805	0.18	0.057866955	0	0
582	438	0.20106254	0.42	0.006496332	1	0
583	42	0.15542547	0.54	0.057866955	0	0
584	44	0.13250378	0.42	0.006496332	0	0
585	925	0.12433544	0.18	0.057866955	0	0
586	891	0.11161663	0.42	0.006496332	0	0
587	43	0.06398397	0.18	0.006496332	1	0
588	92	0.39955171	0.42	0.006496332	0	0
589	49	0.04733560	0.18	0.006496332	0	0
590	55	0.24768450	0.42	0.006496332	0	0
591	919	0.18422211	0.42	0.057866955	0	0
592	40	0.10523800	0.42	0.006496332	0	0
593	31	0.33381066	0.54	0.006496332	1	0
594	856	0.11227940	0.42	0.057866955	0	0
595	39	0.47402341	0.54	0.006496332	0	0
596	82	0.11527054	0.42	0.006496332	0	0
597	84	0.13200647	0.42	0.006496332	1	1
598	25	0.23715637	0.42	0.006496332	0	0
599	37	0.08585469	0.18	0.057866955	0	0
600	33	0.23577217	0.42	0.006496332	1	0
601	52	0.09420555	0.42	0.006496332	1	0
602	35	0.11527054	0.42	0.006496332	1	0
603	21	0.22928846	0.18	0.057866955	0	0
604	26	0.12350313	0.18	0.006496332	0	0
605	4	0.08522890	0.42	0.006496332	1	0
606	979	0.17590622	0.18	0.006496332	0	0
607	474	0.19072081	0.42	0.057866955	1	1
608	607	0.25858552	0.42	0.057866955	1	1

609	73	0.11846992	0.42	0.006496332	0	0
610	622	0.08770376	0.18	0.057866955	0	0
611	68	0.19887614	0.42	0.006496332	0	0
612	585	0.12121228	0.18	0.057866955	1	0
613	591	0.16626491	0.42	0.764947804	0	0
614	662	0.64976354	0.54	0.057866955	1	1
615	176	0.24874192	0.54	0.257309455	1	0
616	2	0.35175511	0.54	0.057866955	1	1
617	19	0.08554127	0.18	0.006496332	1	0
618	11	0.25743688	0.42	0.006496332	0	0
619	99	0.03685072	0.17	0.006496332	0	0
620	109	0.10253837	0.42	0.057866955	0	0
621	100	0.20369908	0.18	0.057866955	0	0
622	750	0.21675690	0.42	0.057866955	0	0
623	125	0.05032267	0.18	0.057866955	0	0
624	138	0.09167660	0.18	0.006496332	0	0
625	91	0.08603800	0.17	0.057866955	1	0
626	124	0.21076284	0.42	0.006496332	0	0
627	741	0.19283913	0.42	0.057866955	1	0
628	93	0.13412133	0.54	0.057866955	1	0
629	94	0.34066474	0.42	0.257309455	0	0
630	10	0.11039952	0.42	0.006496332	1	0
631	97	0.11976403	0.17	0.006496332	0	0
632	95	0.17379019	0.18	0.006496332	0	0
633	616	0.06574290	0.18	0.057866955	0	0
634	36	0.03896551	0.17	0.006496332	0	0
635	381	0.07215822	0.18	0.057866955	0	0
636	382	0.10065209	0.18	0.057866955	0	0
637	377	0.24079364	0.42	0.057866955	0	0
638	22	0.06224950	0.18	0.006496332	0	0
639	376	0.12999534	0.42	0.057866955	0	0
640	608	0.21450181	0.18	0.057866955	1	1
641	366	0.19861074	0.42	0.006496332	1	0
642	990	0.11812225	0.18	0.006496332	0	0
643	355	0.10726379	0.54	0.057866955	0	0
644	360	0.12916821	0.18	0.006496332	0	0
645	220	0.18202814	0.54	0.257309455	1	1
646	178	0.11264539	0.18	0.006496332	0	0
647	182	0.15277501	0.54	0.006496332	1	1
648	7	0.10002021	0.18	0.006496332	0	0
649	195	0.08206110	0.18	0.006496332	1	0
650	38	0.08483988	0.18	0.006496332	0	0
651	8	0.10259973	0.42	0.006496332	0	0
652	3	0.03843230	0.17	0.006496332	0	0
653	6	0.05544443	0.18	0.006496332	0	0
654	89	0.11962354	0.42	0.057866955	1	0
655	103	0.19565637	0.18	0.057866955	0	0
656	84	0.06103485	0.17	0.006496332	0	0
657	439	0.11812225	0.42	0.057866955	0	0
658	997	0.17799369	0.18	0.057866955	0	0
659	918	0.13752505	0.18	0.057866955	0	0

660	797	0.15264562	0.42	0.057866955	0	0
661	112	0.07727220	0.18	0.006496332	0	0
662	110	0.17580960	0.42	0.006496332	0	0
663	444	0.09858914	0.42	0.006496332	0	0
664	100	0.28170903	0.18	0.006496332	0	0
665	66	0.08656368	0.18	0.006496332	1	0
666	106	0.21444565	0.18	0.057866955	0	0
667	74	0.38920227	0.42	0.057866955	0	0
668	594	0.25155552	0.42	0.764947804	1	0
669	899	0.13827799	0.42	0.057866955	0	0
670	792	0.11812225	0.42	0.057866955	1	0
671	65	0.05310083	0.18	0.057866955	0	0
672	207	0.11670601	0.18	0.057866955	1	1
673	905	0.05893003	0.18	0.006496332	0	0
674	192	0.40781631	0.42	0.057866955	1	0
675	72	0.13587290	0.42	0.057866955	1	0
676	133	0.09993023	0.18	0.057866955	0	0
677	76	0.21698335	0.18	0.057866955	1	0
678	804	0.23589231	0.42	0.057866955	1	1
679	891	0.22408805	0.54	0.057866955	0	0
680	568	0.07182418	0.18	0.006496332	0	0
681	53	0.27295793	0.42	0.057866955	0	0
682	803	0.07557824	0.18	0.057866955	0	0
683	961	0.14808925	0.18	0.057866955	0	0
684	57	0.09366651	0.17	0.006496332	0	0
685	741	0.11899309	0.17	0.006496332	1	1
686	698	0.22548210	0.18	0.006496332	1	1
687	746	0.10392698	0.17	0.057866955	0	0
688	56	0.39947174	0.54	0.764947804	0	0
689	608	0.09612862	0.17	0.057866955	0	0
690	999	0.25999395	0.54	0.057866955	0	0
691	801	0.06134122	0.18	0.057866955	1	0
692	749	0.09540699	0.42	0.057866955	0	0
693	59	0.10665883	0.17	0.057866955	0	0
694	795	0.10861180	0.42	0.006496332	1	1
695	474	0.13772286	0.18	0.057866955	0	0
696	900	0.12682439	0.18	0.057866955	0	0
697	132	0.24256525	0.42	0.006496332	0	0
698	994	0.17658374	0.42	0.057866955	1	1
699	571	0.07269567	0.42	0.057866955	1	0
700	936	0.09996022	0.17	0.057866955	0	0
701	817	0.08538496	0.18	0.057866955	0	0
702	819	0.03733887	0.17	0.057866955	0	0
703	531	0.12281918	0.17	0.057866955	0	0
704	802	0.12597781	0.18	0.006496332	0	0
705	111	0.07467498	0.17	0.057866955	0	0
706	122	0.13101660	0.18	0.006496332	0	0
707	116	0.04264218	0.18	0.057866955	0	0
708	108	0.05394512	0.17	0.006496332	0	0
709	414	0.07274062	0.17	0.057866955	0	0
710	789	0.11595218	0.42	0.006496332	0	0

711	435	0.21076284	0.42	0.006496332	1	1
712	838	0.13919406	0.42	0.057866955	1	1
713	307	0.12114128	0.18	0.057866955	1	0
714	278	0.03460074	0.17	0.057866955	0	0
715	853	0.13744600	0.18	0.057866955	0	0
716	240	0.11089154	0.18	0.057866955	0	0
717	271	0.19792192	0.18	0.057866955	1	0
718	842	0.22293103	0.18	0.764947804	0	0
719	837	0.06611238	0.18	0.057866955	0	0
720	347	0.17145741	0.18	0.057866955	1	0
721	355	0.07675095	0.18	0.057866955	1	0
722	788	0.06182280	0.42	0.057866955	1	0
723	850	0.18074128	0.42	0.006496332	0	0
724	619	0.20337486	0.54	0.057866955	1	0
725	343	0.09358165	0.42	0.057866955	0	0
726	847	0.09175991	0.18	0.057866955	0	0
727	113	0.05856140	0.17	0.006496332	0	0
728	829	0.10128752	0.42	0.006496332	0	0
729	426	0.06356602	0.18	0.006496332	1	0
730	137	0.17254928	0.42	0.764947804	0	0
731	333	0.07476716	0.18	0.006496332	0	0
732	928	0.08693339	0.18	0.057866955	0	0
733	1006	0.30385656	0.42	0.057866955	0	0
734	157	0.09480456	0.42	0.057866955	0	0
735	794	0.20915937	0.42	0.057866955	0	0
736	487	0.16557296	0.18	0.057866955	0	0
737	154	0.06531426	0.18	0.057866955	0	0
738	181	0.15586353	0.18	0.057866955	0	0
739	189	0.21931432	0.18	0.057866955	0	0
740	844	0.29186708	0.18	0.057866955	0	0
741	172	0.13552105	0.18	0.006496332	0	0
742	586	0.23296099	0.54	0.057866955	0	0
743	793	0.09423400	0.17	0.057866955	0	0
744	363	0.08643199	0.42	0.057866955	0	0
745	277	0.34524654	0.54	0.057866955	1	0
746	800	0.24502335	0.42	0.006496332	0	0
747	391	0.11674038	0.17	0.057866955	0	0
748	383	0.13261877	0.18	0.006496332	1	0
749	840	0.34313978	0.42	0.764947804	0	0
750	180	0.27641127	0.54	0.764947804	1	1
751	786	0.11003993	0.18	0.057866955	0	0
752	375	0.08093826	0.18	0.057866955	1	0
753	427	0.22040061	0.42	0.057866955	1	0
754	177	0.10517524	0.17	0.006496332	0	0
755	547	0.08885739	0.17	0.057866955	0	0
756	386	0.35023646	0.54	0.057866955	0	0
757	868	0.14645667	0.42	0.057866955	0	0
758	380	0.10942123	0.42	0.057866955	0	0
759	369	0.12845748	0.18	0.057866955	0	0
760	367	0.05128712	0.18	0.057866955	0	0
761	393	0.08151040	0.18	0.006496332	0	0

762	757	0.13657891	0.42	0.006496332	0	0
763	333	0.11979917	0.17	0.006496332	1	0
764	918	0.18663881	0.18	0.057866955	0	0
765	317	0.07355418	0.18	0.057866955	0	0
766	666	0.20440288	0.18	0.057866955	0	0
767	345	0.28652260	0.42	0.057866955	1	0
768	887	0.19315063	0.42	0.006496332	0	0
769	332	0.22905292	0.42	0.057866955	0	0
770	308	0.14990666	0.42	0.006496332	1	0
771	855	0.58500000	0.54	0.057866955	0	0
772	866	0.07182418	0.18	0.006496332	0	0
773	913	0.08363137	0.18	0.057866955	1	0
774	570	0.50824925	0.54	0.057866955	1	1
775	372	0.15182823	0.18	0.006496332	1	1
776	976	0.12128331	0.17	0.057866955	0	0
777	391	0.28022752	0.42	0.057866955	1	0
778	339	0.08530689	0.18	0.057866955	1	1
779	392	0.16561902	0.18	0.057866955	0	0
780	502	0.18699328	0.18	0.057866955	0	0
781	472	0.45313794	0.54	0.057866955	0	0
782	424	0.07878288	0.18	0.006496332	0	0
783	513	0.18984771	0.42	0.057866955	0	0
784	477	0.21422112	0.42	0.057866955	0	0
785	663	0.27581164	0.42	0.006496332	0	0
786	969	0.09115057	0.18	0.057866955	0	0
787	988	0.11092441	0.18	0.057866955	0	0
788	389	0.15949370	0.18	0.057866955	0	0
789	383	0.06886006	0.42	0.057866955	1	1
790	373	0.35023646	0.54	0.057866955	1	1
791	299	0.05320148	0.17	0.006496332	0	0
792	989	0.05930084	0.18	0.057866955	0	0
793	972	0.18638594	0.42	0.057866955	0	0
794	315	0.19325454	0.18	0.057866955	1	0
795	151	0.21478276	0.42	0.057866955	0	0
796	8	0.14442666	0.42	0.057866955	0	0
797	920	0.12513607	0.42	0.057866955	0	0
798	876	0.03090833	0.18	0.057866955	0	0
799	919	0.20332086	0.18	0.006496332	0	0
800	887	0.05931943	0.18	0.057866955	0	0
801	882	0.20015381	0.18	0.057866955	0	0
802	888	0.07985393	0.42	0.057866955	0	0
803	674	0.18307271	0.18	0.057866955	0	0
804	885	0.11674038	0.17	0.057866955	0	0
805	886	0.04034912	0.18	0.057866955	0	0
806	869	0.16219311	0.42	0.057866955	1	1
807	985	0.19201035	0.18	0.257309455	0	0
808	625	0.22629813	0.42	0.006496332	0	0
809	342	0.15617078	0.18	0.006496332	1	0
810	551	0.07182418	0.18	0.057866955	0	0
811	27	0.09927258	0.18	0.006496332	0	0
812	541	0.08653733	0.18	0.057866955	0	0

813	857	0.21647408	0.42	0.057866955	1	1
814	29	0.07705857	0.17	0.006496332	0	0
815	663	0.12590442	0.42	0.006496332	0	0
816	544	0.08999740	0.18	0.006496332	0	0
817	877	0.11231263	0.18	0.057866955	1	0
818	879	0.16364779	0.18	0.057866955	0	0
819	881	0.12121228	0.18	0.057866955	1	0
820	739	0.29726971	0.42	0.403717301	1	0
821	776	0.52971494	0.54	0.403717301	1	0
822	711	0.19387894	0.54	0.403717301	1	0
823	732	0.58435245	0.54	0.403717301	0	0
824	546	0.20783915	0.42	0.403717301	0	0
825	563	0.23511214	0.54	0.403717301	1	0
826	553	0.22484240	0.42	0.403717301	1	0
827	779	0.24986483	0.54	0.403717301	0	0
828	555	0.57802393	0.54	0.403717301	0	0
829	566	0.22246942	0.42	0.403717301	0	0
830	171	0.20538034	0.54	0.403717301	0	0
831	170	0.28211391	0.54	0.403717301	1	0
832	610	0.30357459	0.42	0.403717301	1	0
833	599	0.44299888	0.54	0.403717301	0	0
834	166	0.25673657	0.54	0.403717301	1	1
835	670	0.46655004	0.42	0.403717301	0	0
836	540	0.28829758	0.54	0.067232451	0	0
837	160	0.27361994	0.54	0.403717301	0	0
838	159	0.22746751	0.54	0.403717301	0	0
839	153	0.46431080	0.87	0.593873103	1	0
840	83	0.37425630	0.54	0.403717301	0	0
841	78	0.50166666	0.54	0.403717301	1	1
842	237	0.32864204	0.42	0.403717301	0	0
843	236	0.35107134	0.42	0.403717301	0	0
844	216	0.49550012	0.42	0.067232451	0	0
845	224	0.33797457	0.54	0.067232451	0	0
846	491	0.22490050	0.54	0.403717301	0	0
847	497	0.42702488	0.42	0.067232451	1	0
848	494	0.51316362	0.54	0.067232451	0	0
849	98	0.28550156	0.42	0.403717301	1	1
850	231	0.59740560	0.74	0.593873103	1	0
851	77	0.59556030	0.54	0.403717301	1	0
852	69	0.61040145	0.87	0.593873103	1	1
853	61	0.58686006	0.54	0.134703052	0	0
854	71	0.23517209	0.54	0.403717301	1	0
855	325	0.25124185	0.54	0.403717301	0	0
856	73	0.43724927	0.42	0.403717301	0	0
857	130	0.47277695	0.42	0.403717301	1	0
858	683	0.34803980	0.54	0.067232451	0	0
859	769	0.43004522	0.74	0.403717301	0	0
860	774	0.34630221	0.54	0.403717301	0	0
861	357	0.31252665	0.54	0.403717301	1	0
862	354	0.44497378	0.42	0.403717301	0	0
863	213	0.35129920	0.18	0.403717301	0	0

864	349	0.29104104	0.54	0.403717301	1	0
865	329	0.21743676	0.54	0.067232451	1	0
866	328	0.12317874	0.42	0.403717301	0	0
867	345	0.33484924	0.54	0.403717301	1	1
868	119	0.33329197	0.42	0.403717301	0	0
869	320	0.24824394	0.54	0.403717301	1	0
870	543	0.24855510	0.54	0.067232451	0	0
871	54	0.33812375	0.54	0.403717301	0	0
872	55	0.23493235	0.54	0.403717301	1	0
873	81	0.46621821	0.87	0.593873103	1	0
874	80	0.58960515	0.54	0.403717301	0	0
875	261	0.50241665	0.42	0.593873103	1	0
876	65	0.44967102	0.87	0.593873103	1	0
877	67	0.49558345	0.42	0.403717301	0	0
878	89	0.61656650	0.54	0.403717301	0	0
879	260	0.40195320	0.74	0.403717301	1	1
880	144	0.37620991	0.74	0.593873103	0	0
881	146	0.44826911	0.42	0.403717301	1	1
882	149	0.72438805	0.74	0.403717301	1	1
883	164	0.36131374	0.42	0.403717301	0	0
884	268	0.21755022	0.42	0.403717301	0	0
885	257	0.32805395	0.54	0.403717301	0	0
886	275	0.46074760	0.74	0.593873103	1	1
887	280	0.41055617	0.74	0.593873103	1	1
888	276	0.64068382	0.74	0.403717301	1	0
889	281	0.42466138	0.54	0.403717301	1	1
890	11	0.32373348	0.54	0.067232451	1	1
891	20	0.39150272	0.42	0.403717301	0	0
892	912	0.80444852	0.74	0.403717301	1	1
893	21	0.30174544	0.42	0.403717301	1	0
894	951	0.28251913	0.42	0.403717301	1	0
895	298	0.31583050	0.54	0.403717301	1	0
896	290	0.58313752	0.74	0.593873103	1	0
897	704	0.70675314	0.87	0.593873103	1	1
898	908	0.69473142	0.54	0.593873103	0	0
899	5	0.31915307	0.42	0.403717301	0	0
900	925	0.46083042	0.54	0.403717301	0	0
901	977	0.37402214	0.54	0.403717301	0	0
902	922	0.14944000	0.42	0.403717301	0	0
903	921	0.17513442	0.42	0.403717301	0	0
904	973	0.46812661	0.54	0.403717301	1	1
905	972	0.53668397	0.74	0.593873103	1	0
906	883	0.38303955	0.74	0.593873103	0	0
907	862	0.21868717	0.42	0.403717301	0	0
908	3	0.50799932	0.54	0.593873103	1	0
909	867	0.25660937	0.42	0.403717301	0	0
910	894	0.39197928	0.54	0.403717301	1	1
911	38	0.51849156	0.87	0.593873103	1	1
912	895	0.35274384	0.54	0.403717301	1	0
913	135	0.29152273	0.42	0.403717301	1	0
914	317	0.29290156	0.42	0.403717301	0	0

915	319	0.57786131	0.87	0.593873103	1	1
916	321	0.34133889	0.54	0.067232451	0	0
917	310	0.28238402	0.54	0.403717301	0	0
918	316	0.20899400	0.54	0.403717301	0	0
919	322	0.52348271	0.54	0.403717301	1	1
920	203	0.49166744	0.54	0.067232451	1	1
921	205	0.62433751	0.54	0.593873103	1	1
922	327	0.20652509	0.54	0.067232451	1	1
923	192	0.51066505	0.54	0.403717301	1	0
924	830	0.21377258	0.42	0.403717301	0	0
925	832	0.49291714	0.74	0.403717301	1	1
926	222	0.23135664	0.42	0.403717301	0	0
927	302	0.33961733	0.42	0.403717301	0	0
928	306	0.32344164	0.54	0.403717301	0	0
929	305	0.31547048	0.54	0.403717301	1	1
930	300	0.69132761	0.74	0.403717301	1	1
931	195	0.31886342	0.54	0.593873103	1	1
932	193	0.41249355	0.54	0.403717301	1	1
933	618	0.26224486	0.54	0.403717301	1	0
934	581	0.56742021	0.54	0.067232451	0	0
935	605	0.53602082	0.74	0.593873103	1	0
936	582	0.09394987	0.18	0.403717301	0	0
937	173	0.25552989	0.42	0.403717301	0	0
938	198	0.48592039	0.74	0.403717301	1	0
939	196	0.22490050	0.54	0.403717301	1	0
940	207	0.42931005	0.42	0.403717301	0	0
941	295	0.41459543	0.42	0.067232451	0	0
942	10	0.21265423	0.54	0.403717301	0	0
943	40	0.50050000	0.87	0.134703052	1	1
944	7	0.45925720	0.42	0.403717301	0	0
945	241	0.32827442	0.42	0.403717301	0	0
946	238	0.28816081	0.42	0.403717301	0	0
947	19	0.42996352	0.74	0.403717301	1	1
948	13	0.44967102	0.74	0.403717301	1	1
949	43	0.64313567	0.54	0.403717301	0	0
950	48	0.66826167	0.54	0.403717301	1	0
951	14	0.41249355	0.42	0.403717301	1	1
952	15	0.47186309	0.42	0.403717301	0	0
953	227	0.32820092	0.54	0.403717301	1	0
954	962	0.33321790	0.54	0.403717301	1	1
955	931	0.24183109	0.54	0.403717301	1	0
956	967	0.65633410	0.74	0.403717301	1	1
957	213	0.17216888	0.18	0.067232451	0	0
958	220	0.12167462	0.42	0.403717301	0	0
959	217	0.25086580	0.54	0.403717301	1	0
960	185	0.62261599	0.74	0.403717301	1	1
961	215	0.38264576	0.42	0.403717301	0	0
962	232	0.16210253	0.18	0.403717301	0	0
963	233	0.30796153	0.54	0.403717301	0	0
964	228	0.43585542	0.54	0.403717301	1	1
965	75	0.56537362	0.54	0.403717301	1	1

966	79	0.33678228	0.42	0.403717301	1	1
967	72	0.64344162	0.54	0.403717301	1	1
968	78	0.70599264	0.54	0.403717301	1	1
969	71	0.38303955	0.54	0.067232451	1	1
970	81	0.50599971	0.74	0.067232451	0	0
971	287	0.29393818	0.54	0.067232451	1	1
972	280	0.35434369	0.42	0.403717301	0	0
973	51	0.67728735	0.74	0.403717301	1	1
974	248	0.33492348	0.42	0.403717301	0	0
975	246	0.24724998	0.54	0.403717301	0	0
976	243	0.29761799	0.54	0.403717301	0	0
977	53	0.16506700	0.18	0.403717301	1	1
978	58	0.36123682	0.54	0.403717301	0	0
979	68	0.50599971	0.54	0.403717301	0	0
980	253	0.33004092	0.42	0.593873103	0	0
981	57	0.25546648	0.42	0.403717301	1	0
982	60	0.48617020	0.54	0.067232451	1	1
983	272	0.21512025	0.18	0.067232451	0	0
984	276	0.29435343	0.54	0.403717301	0	0
985	257	0.43388935	0.54	0.403717301	0	0
986	62	0.31431989	0.54	0.403717301	1	1
987	291	0.17226392	0.18	0.403717301	1	0
988	368	0.23782036	0.54	0.403717301	1	0
989	728	0.68968920	0.74	0.593873103	0	0
990	704	0.28090034	0.54	0.403717301	1	1
991	831	0.32234848	0.42	0.403717301	1	0
992	719	0.28251913	0.42	0.067232451	0	0
993	828	0.28400798	0.54	0.403717301	0	0
994	966	0.65158192	0.74	0.593873103	1	1
995	958	0.40235391	0.42	0.403717301	0	0
996	932	0.30062292	0.42	0.403717301	1	0
997	285	0.24018479	0.54	0.067232451	0	0
998	736	0.30959786	0.54	0.403717301	0	0
999	710	0.28543357	0.54	0.403717301	1	0
1000	239	0.22252708	0.18	0.403717301	1	0
1001	297	0.34962984	0.42	0.403717301	0	0
1002	716	0.73066517	0.74	0.403717301	1	0
1003	769	0.36904095	0.54	0.403717301	1	1
1004	701	0.10570974	0.18	0.403717301	0	0
1005	775	0.38809347	0.54	0.403717301	0	0
1006	273	0.27968996	0.42	0.067232451	0	0
1007	29	0.71544944	0.74	0.593873103	1	0
1008	33	0.39516156	0.42	0.403717301	0	0
1009	34	0.21891508	0.42	0.403717301	0	0
1010	135	0.33455234	0.54	0.134703052	0	0
1011	126	0.36764496	0.54	0.403717301	0	0
1012	50	0.55477924	0.74	0.403717301	1	0
1013	42	0.20543475	0.54	0.067232451	1	1
1014	47	0.27514634	0.54	0.067232451	1	1
1015	49	0.30966912	0.54	0.067232451	1	1
1016	32	0.29713046	0.54	0.593873103	1	1

1017	11	0.48775245	0.54	0.403717301	1	1
1018	117	0.38335469	0.42	0.403717301	1	1
1019	82	0.73562138	0.74	0.593873103	0	0
1020	127	0.44472682	0.54	0.403717301	1	1
1021	100	0.63960881	0.74	0.134703052	1	1
1022	40	0.56028858	0.54	0.403717301	1	0
1023	122	0.40035168	0.54	0.403717301	1	1
1024	125	0.34163873	0.42	0.403717301	1	1
1025	128	0.45041353	0.42	0.403717301	1	0
1026	37	0.31575848	0.42	0.403717301	1	1
1027	38	0.51840834	0.74	0.403717301	1	1
1028	35	0.18593143	0.42	0.067232451	1	1
1029	136	0.63991610	0.54	0.593873103	1	0
1030	151	0.35594681	0.74	0.134703052	1	1
1031	147	0.56553743	0.54	0.067232451	1	1
1032	138	0.56733839	0.54	0.403717301	0	0
1033	139	0.55469690	0.87	0.593873103	1	1
1034	142	0.57248570	0.54	0.403717301	1	1
1035	116	0.28536558	0.54	0.067232451	1	1
1036	93	0.40379755	0.74	0.067232451	1	0
1037	95	0.36300774	0.54	0.403717301	1	0
1038	97	0.49533347	0.54	0.403717301	1	1
1039	114	0.31396079	0.54	0.403717301	1	0
1040	87	0.50274997	0.42	0.403717301	1	1
1041	92	0.50591639	0.54	0.403717301	1	0
1042	99	0.33144281	0.54	0.403717301	1	1
1043	44	0.43577346	0.42	0.067232451	1	1
1044	88	0.27494695	0.42	0.067232451	1	0
1045	86	0.51907407	0.42	0.067232451	0	0
1046	103	0.25413734	0.42	0.403717301	1	0
1047	112	0.43061723	0.42	0.067232451	1	1
1048	106	0.29574005	0.54	0.403717301	1	1
1049	110	0.49541680	0.42	0.403717301	0	0
1050	105	0.30027262	0.54	0.403717301	1	1
1051	1015	0.34163873	0.42	0.403717301	0	0
1052	1011	0.52788769	0.54	0.403717301	1	0
1053	1013	0.42694333	0.54	0.403717301	1	0
1054	1020	0.15617078	0.42	0.403717301	1	0
1055	63	0.51466246	0.54	0.403717301	1	1
1056	50	0.31583050	0.54	0.067232451	0	0
1057	265	0.30336322	0.54	0.403717301	1	1
1058	374	0.16210253	0.42	0.067232451	0	0
1059	264	0.32534104	0.42	0.403717301	1	0
1060	376	0.29706085	0.54	0.403717301	0	0
1061	74	0.70070697	0.74	0.403717301	1	1
1062	30	0.51174784	0.42	0.067232451	1	0
1063	74	0.41451453	0.74	0.593873103	0	0
1064	84	0.47884597	0.54	0.067232451	1	1
1065	143	0.14237938	0.42	0.067232451	0	0
1066	144	0.27223088	0.54	0.403717301	0	0
1067	175	0.69161206	0.54	0.067232451	0	0

1068	94	0.79516312	0.74	0.134703052	1	1
1069	26	0.14063813	0.42	0.067232451	0	0
1070	89	0.36578708	0.42	0.403717301	0	0
1071	209	0.36115991	0.54	0.403717301	1	1
1072	219	0.39667629	0.54	0.067232451	0	0
1073	3	0.52938277	0.74	0.593873103	1	1
1074	4	0.57599002	0.74	0.593873103	1	1
1075	457	0.68070205	0.74	0.134703052	0	0
1076	445	0.09394987	0.18	0.403717301	0	0
1077	445	0.34811544	0.42	0.403717301	0	0
1078	408	0.30364507	0.42	0.067232451	1	0
1079	513	0.20789404	0.42	0.403717301	1	0
1080	636	0.32183899	0.54	0.403717301	0	0
1081	461	0.21999995	0.18	0.067232451	0	0
1082	793	0.31274154	0.54	0.403717301	1	0
1083	471	0.37293018	0.74	0.403717301	0	0
1084	441	0.41063684	0.74	0.593873103	1	0
1085	436	0.20772941	0.54	0.403717301	1	1
1086	428	0.55329676	0.42	0.403717301	0	0
1087	422	0.16410453	0.42	0.403717301	1	1
1088	420	0.39907199	0.42	0.067232451	1	0
1089	485	0.29421497	0.54	0.403717301	0	0
1090	521	0.36424189	0.42	0.403717301	1	0
1091	520	0.55675435	0.42	0.403717301	0	0
1092	506	0.31575848	0.54	0.067232451	1	0
1093	519	0.75094650	0.87	0.134703052	1	0
1094	479	0.26776339	0.42	0.403717301	0	0
1095	527	0.34253898	0.54	0.593873103	1	0
1096	524	0.51857478	0.54	0.593873103	1	0
1097	526	0.24607312	0.42	0.403717301	0	0
1098	490	0.36950678	0.54	0.403717301	0	0
1099	507	0.25420053	0.42	0.403717301	1	0
1100	509	0.36958444	0.42	0.403717301	1	0
1101	697	0.69118533	0.54	0.403717301	1	0
1102	688	0.37137248	0.18	0.403717301	1	1
1103	627	0.48608693	0.54	0.593873103	0	0
1104	659	0.22005716	0.18	0.403717301	0	0
1105	645	0.41435275	0.54	0.593873103	0	0
1106	629	0.50199999	0.54	0.403717301	1	0
1107	628	0.29873408	0.87	0.593873103	1	0
1108	626	0.18734827	0.42	0.067232451	0	0
1109	161	0.35946967	0.74	0.403717301	1	1
1110	228	0.66463087	0.54	0.134703052	0	0
1111	132	0.23933418	0.42	0.067232451	1	1
1112	820	0.56561933	0.54	0.403717301	0	0
1113	135	0.27922013	0.54	0.067232451	1	1
1114	216	0.21254263	0.54	0.067232451	0	0
1115	227	0.25960934	0.42	0.067232451	0	0
1116	41	0.29138506	0.54	0.067232451	1	0
1117	748	0.27216484	0.54	0.593873103	0	0
1118	997	0.37832433	0.42	0.067232451	1	0

1119	1005	0.30048277	0.42	0.403717301	0	0
1120	940	0.36431908	0.54	0.403717301	1	1
1121	965	0.23643348	0.42	0.403717301	0	0
1122	955	0.49950000	0.54	0.403717301	1	0
1123	743	0.24305552	0.54	0.403717301	1	0
1124	752	0.30336322	0.54	0.403717301	0	0
1125	841	0.32842144	0.54	0.403717301	0	0
1126	845	0.34449342	0.54	0.403717301	1	0
1127	789	0.14344093	0.18	0.403717301	0	0
1128	788	0.20789404	0.42	0.067232451	0	0
1129	792	0.17441328	0.42	0.403717301	1	0
1130	851	0.36787747	0.42	0.403717301	1	1
1131	91	0.26515728	0.54	0.067232451	1	0
1132	47	0.25143002	0.42	0.067232451	0	0
1133	785	0.42702488	0.42	0.403717301	1	0
1134	777	0.25420053	0.42	0.067232451	0	0
1135	794	0.27203280	0.54	0.067232451	0	0
1136	806	0.10981163	0.42	0.403717301	0	0
1137	813	0.11425463	0.18	0.403717301	0	0
1138	158	0.35434369	0.42	0.403717301	0	0
1139	167	0.34615130	0.42	0.067232451	1	0
1140	212	0.32504845	0.42	0.403717301	1	1
1141	213	0.69281936	0.74	0.067232451	1	1
1142	101	0.28809244	0.54	0.067232451	0	0
1143	209	0.35954642	0.42	0.403717301	0	0
1144	175	0.58508092	0.54	0.067232451	0	0
1145	114	0.42506864	0.74	0.134703052	1	1
1146	58	0.17022973	0.42	0.067232451	1	0
1147	107	0.69459001	0.54	0.067232451	1	1
1148	211	0.26776339	0.74	0.067232451	0	0
1149	193	0.20761971	0.54	0.403717301	1	1
1150	213	0.33767630	0.54	0.067232451	1	0
1151	231	0.43733129	0.87	0.134703052	0	0
1152	717	0.35434369	0.87	0.134703052	1	0
1153	511	0.41605241	0.74	0.593873103	0	0
1154	505	0.40371730	0.74	0.134703052	1	0
1155	501	0.57248570	0.54	0.067232451	1	0
1156	493	0.24973989	0.54	0.403717301	1	1
1157	506	0.46970383	0.74	0.593873103	1	1
1158	564	0.39189983	0.54	0.403717301	1	0
1159	822	0.23909152	0.42	0.403717301	1	0
1160	563	0.31850154	0.18	0.067232451	1	0
1161	581	0.47834688	0.54	0.403717301	0	0
1162	219	0.32534104	0.54	0.593873103	1	0
1163	576	0.29901348	0.18	0.403717301	1	0
1164	548	0.46306739	0.42	0.067232451	0	0
1165	85	0.25794697	0.54	0.067232451	0	0
1166	573	0.44620898	0.54	0.403717301	1	1
1167	244	0.26360142	0.54	0.403717301	1	1
1168	547	0.32234848	0.42	0.403717301	0	0
1169	49	0.23794122	0.18	0.403717301	0	0

1170	557	0.38319711	0.42	0.403717301	0	0
1171	966	0.27788039	0.54	0.403717301	1	1
1172	128	0.27216484	0.54	0.403717301	0	0
1173	934	0.19576131	0.42	0.403717301	1	1
1174	943	0.59548001	0.54	0.403717301	1	1
1175	150	0.57834911	0.54	0.403717301	0	0
1176	707	0.32805395	0.54	0.067232451	1	1
1177	119	0.46248729	0.54	0.403717301	1	1
1178	770	0.24330091	0.42	0.403717301	0	0
1179	807	0.50924894	0.54	0.403717301	1	1
1180	805	0.27794729	0.54	0.593873103	1	0
1181	729	0.37293018	0.74	0.403717301	0	0
1182	159	0.59531941	0.74	0.403717301	1	1
1183	727	0.28809244	0.54	0.067232451	0	0
1184	103	0.35297219	0.54	0.403717301	1	0
1185	107	0.19962070	0.42	0.403717301	1	0
1186	787	0.28843439	0.18	0.403717301	0	0
1187	163	0.32205729	0.54	0.403717301	1	0
1188	169	0.75767964	0.54	0.403717301	1	0
1189	839	0.45371621	0.54	0.593873103	0	0
1190	545	0.58500000	0.74	0.593873103	1	0
1191	410	0.21868717	0.54	0.403717301	1	0
1192	839	0.52381530	0.74	0.593873103	1	1
1193	422	0.33961733	0.74	0.593873103	1	1
1194	409	0.22374050	0.54	0.403717301	1	1
1195	896	0.79380246	0.74	0.593873103	1	1
1196	950	0.50441655	0.54	0.403717301	1	1
1197	414	0.63328448	0.54	0.593873103	1	0
1198	407	0.66470516	0.54	0.067232451	0	0
1199	519	0.42425423	0.54	0.403717301	0	0
1200	483	0.49841667	0.74	0.067232451	1	0
1201	470	0.48050988	0.87	0.593873103	1	0
1202	482	0.66781815	0.74	0.593873103	1	0
1203	473	0.49308377	0.74	0.403717301	0	0
1204	433	0.24973989	0.54	0.403717301	1	1
1205	408	0.47701621	0.42	0.403717301	1	0
1206	437	0.50441655	0.54	0.067232451	1	1
1207	440	0.30188592	0.54	0.403717301	1	0
1208	787	0.29971263	0.54	0.403717301	1	1
1209	436	0.59379270	0.54	0.403717301	0	0
1210	445	0.51882443	0.54	0.067232451	0	0
1211	446	0.47319240	0.54	0.134703052	0	0
1212	83	0.49683338	0.54	0.403717301	1	0
1213	68	0.26509234	0.54	0.067232451	0	0
1214	898	0.17731192	0.42	0.067232451	1	1
1215	346	0.45313794	0.54	0.403717301	1	0
1216	892	0.59716506	0.87	0.593873103	1	0
1217	56	0.62096982	0.54	0.067232451	1	1
1218	350	0.48592039	0.74	0.403717301	0	0
1219	265	0.41613340	0.74	0.134703052	1	0
1220	459	0.28686344	0.54	0.403717301	1	1

1221	458	0.53228834	0.54	0.403717301	0	0
1222	469	0.41629538	0.54	0.403717301	1	1
1223	461	0.33477500	0.74	0.593873103	1	0
1224	451	0.22740894	0.54	0.403717301	1	1
1225	352	0.78493602	0.74	0.134703052	1	0
1226	467	0.20778427	0.54	0.403717301	0	0
1227	24	0.28987319	0.54	0.403717301	1	0
1228	699	0.54603592	0.42	0.067232451	0	0
1229	952	0.51807545	0.74	0.593873103	1	1
1230	712	0.36300774	0.54	0.593873103	1	1
1231	865	0.51283052	0.54	0.403717301	1	1
1232	893	0.17216888	0.18	0.403717301	1	0
1233	873	0.23517209	0.54	0.403717301	0	0
1234	888	0.15429120	0.42	0.403717301	0	0
1235	928	0.23535200	0.42	0.403717301	0	0
1236	15	0.75999766	0.74	0.067232451	1	0
1237	679	0.49300046	0.74	0.403717301	0	0
1238	415	0.47460520	0.74	0.134703052	1	0
1239	85	0.45396409	0.42	0.067232451	0	0
1240	86	0.64771265	0.74	0.403717301	1	0
1241	14	0.72285477	0.74	0.067232451	1	1
1242	17	0.34811544	0.42	0.067232451	1	0
1243	18	0.66574444	0.74	0.067232451	1	0
1244	19	0.34133889	0.42	0.067232451	0	0
1245	522	0.63837851	0.74	0.593873103	0	0
1246	644	0.27801419	0.42	0.403717301	0	0
1247	536	0.24061087	0.42	0.403717301	0	0
1248	520	0.45694026	0.54	0.403717301	1	0
1249	658	0.46099607	0.54	0.403717301	0	0
1250	534	0.21624801	0.54	0.403717301	1	0
1251	497	0.52547791	0.74	0.403717301	0	0
1252	672	0.73549171	0.74	0.593873103	1	1
1253	375	0.51449594	0.54	0.067232451	0	0
1254	670	0.21506398	0.54	0.403717301	1	1
1255	531	0.54999900	0.54	0.403717301	0	0
1256	537	0.32082130	0.42	0.403717301	0	0
1257	404	0.26841745	0.42	0.067232451	0	0
1258	60	0.24299420	0.54	0.403717301	1	0
1259	903	0.18297303	0.42	0.067232451	0	0
1260	53	0.31893582	0.54	0.067232451	1	0
1261	865	0.55494389	0.54	0.403717301	0	0
1262	93	0.27647794	0.54	0.403717301	1	0
1263	89	0.43429878	0.42	0.067232451	0	0
1264	878	0.16598786	0.18	0.403717301	0	0
1265	853	0.69586133	0.74	0.067232451	0	0
1266	854	0.42506864	0.54	0.593873103	0	0
1267	61	0.21254263	0.54	0.067232451	0	0
1268	32	0.29131623	0.42	0.403717301	1	0
1269	13	0.54190149	0.54	0.067232451	0	0
1270	2	0.27507987	0.42	0.067232451	0	0
1271	1001	0.37293018	0.42	0.403717301	0	0

1272	12	0.61079773	0.54	0.067232451	1	1
1273	7	0.13215932	0.18	0.067232451	0	0
1274	6	0.35426744	0.42	0.403717301	0	0
1275	108	0.39851255	0.54	0.403717301	1	1
1276	593	0.34637767	0.18	0.403717301	1	0
1277	592	0.34479458	0.18	0.403717301	0	0
1278	584	0.32380646	0.42	0.403717301	0	0
1279	82	0.29283252	0.54	0.067232451	1	1
1280	44	0.45181666	0.42	0.067232451	0	0
1281	589	0.37363201	0.42	0.403717301	1	1
1282	122	0.29574005	0.74	0.067232451	1	0
1283	156	0.20663436	0.54	0.067232451	1	0
1284	120	0.30810363	0.74	0.134703052	1	1
1285	169	0.44127232	0.42	0.067232451	0	0
1286	606	0.54570539	0.54	0.403717301	0	0
1287	659	0.31857390	0.54	0.403717301	1	1
1288	1014	0.25420053	0.42	0.403717301	0	0
1289	88	0.30810363	0.54	0.067232451	0	0
1290	950	0.23812260	0.42	0.403717301	0	0
1291	102	0.16415025	0.42	0.067232451	0	0
1292	113	0.20310497	0.18	0.067232451	0	0
1293	116	0.31583050	0.54	0.067232451	0	0
1294	87	0.48791902	0.42	0.067232451	0	0
1295	86	0.25948122	0.54	0.067232451	0	0
1296	108	0.19393104	0.42	0.067232451	0	0
1297	98	0.74535686	0.74	0.067232451	1	1
1298	154	0.58621336	0.54	0.403717301	1	1
1299	229	0.40419885	0.42	0.403717301	0	0
1300	499	0.32358754	0.42	0.403717301	0	0
1301	615	0.52946582	0.74	0.403717301	1	1
1302	23	0.10777557	0.18	0.067232451	0	0
1303	194	0.23499227	0.54	0.067232451	1	1
1304	192	0.31123898	0.54	0.134703052	0	0
1305	40	0.20434867	0.42	0.067232451	1	0
1306	42	0.17436529	0.42	0.067232451	1	0
1307	356	0.28994181	0.42	0.403717301	0	0
1308	626	0.53120937	0.74	0.403717301	0	0
1309	619	0.37098348	0.54	0.403717301	1	1
1310	612	0.69853542	0.74	0.403717301	1	1
1311	379	0.32395245	0.42	0.403717301	0	0
1312	620	0.20305103	0.54	0.403717301	1	1
1313	628	0.41112096	0.54	0.403717301	1	1
1314	119	0.19734049	0.42	0.067232451	0	0
1315	597	0.23141592	0.54	0.403717301	0	0
1316	598	0.17126808	0.42	0.403717301	1	0
1317	595	0.36293067	0.54	0.403717301	1	1
1318	168	0.16319208	0.42	0.067232451	0	0
1319	162	0.18719607	0.42	0.067232451	0	0
1320	596	0.36617381	0.42	0.403717301	1	0
1321	656	0.17321659	0.54	0.403717301	0	0
1322	657	0.43889037	0.54	0.593873103	1	0

1323	660	0.48925166	0.74	0.403717301	1	1
1324	621	0.57452400	0.54	0.403717301	1	1
1325	10	0.29449192	0.42	0.067232451	1	1
1326	44	0.15260251	0.42	0.067232451	0	0
1327	4	0.18173054	0.18	0.067232451	0	0
1328	613	0.43364374	0.42	0.403717301	1	1
1329	5	0.19623406	0.42	0.067232451	0	0
1330	378	0.40572498	0.54	0.403717301	1	0
1331	437	0.21517654	0.42	0.067232451	0	0
1332	86	0.28843439	0.18	0.067232451	1	0
1333	440	0.31908064	0.18	0.403717301	0	0
1334	80	0.22519117	0.42	0.067232451	1	0
1335	906	0.50174999	0.54	0.403717301	1	1
1336	515	0.48358923	0.54	0.067232451	1	0
1337	907	0.21377258	0.54	0.067232451	0	0
1338	902	0.31568647	0.54	0.067232451	1	1
1339	433	0.44777451	0.54	0.403717301	0	0
1340	903	0.28231648	0.54	0.403717301	1	1
1341	68	0.17013558	0.18	0.403717301	0	0
1342	996	0.20294317	0.54	0.403717301	1	1
1343	70	0.50274997	0.42	0.403717301	0	0
1344	205	0.20068798	0.18	0.403717301	0	0
1345	939	0.33159055	0.54	0.067232451	1	0
1346	58	0.21126230	0.42	0.403717301	1	0
1347	499	0.60436032	0.54	0.134703052	0	0
1348	805	0.48592039	0.74	0.403717301	0	0
1349	1000	0.20429448	0.42	0.067232451	0	0
1350	807	0.26665381	0.18	0.067232451	0	0
1351	813	0.27627795	0.54	0.403717301	1	1
1352	747	0.71741329	0.74	0.403717301	1	0
1353	990	0.17955971	0.54	0.403717301	1	0
1354	897	0.55461456	0.74	0.593873103	0	0
1355	563	0.27229692	0.54	0.067232451	1	0
1356	988	0.36958444	0.42	0.403717301	1	0
1357	820	0.52073810	0.42	0.403717301	1	1
1358	958	0.28638634	0.54	0.067232451	0	0
1359	892	0.32053084	0.54	0.403717301	0	0
1360	890	0.32534104	0.54	0.067232451	0	0
1361	387	0.33329197	0.54	0.403717301	1	1
1362	136	0.66463087	0.74	0.593873103	0	0
1363	825	0.47111553	0.74	0.403717301	0	0
1364	255	0.37840273	0.42	0.067232451	0	0
1365	955	0.34133889	0.54	0.403717301	0	0
1366	430	0.54388677	0.54	0.593873103	1	1
1367	118	0.41661941	0.42	0.067232451	0	0
1368	346	0.31561446	0.54	0.403717301	0	0
1369	826	0.74950988	0.87	0.593873103	1	1
1370	323	0.49708337	0.54	0.403717301	0	0
1371	970	0.44818667	0.74	0.403717301	0	0
1372	848	0.49316709	0.54	0.134703052	0	0
1373	406	0.43544565	0.74	0.403717301	0	0

1374	147	0.14168884	0.42	0.067232451	0	0
1375	158	0.21265423	0.42	0.403717301	0	0
1376	938	0.24446881	0.54	0.403717301	0	0
1377	613	0.32242129	0.42	0.403717301	0	0
1378	595	0.45000100	0.42	0.403717301	0	0
1379	1004	0.51724316	0.42	0.403717301	1	0
1380	577	0.30640085	0.54	0.403717301	0	0
1381	486	0.22495861	0.54	0.067232451	1	1
1382	575	0.59153952	0.54	0.403717301	1	1
1383	815	0.44777451	0.74	0.593873103	1	1
1384	653	0.18059325	0.54	0.067232451	1	1
1385	957	0.44242321	0.42	0.403717301	1	1
1386	660	0.34163873	0.42	0.403717301	0	0
1387	841	0.16502107	0.54	0.403717301	0	0
1388	785	0.19481840	0.42	0.403717301	1	1
1389	855	0.38343350	0.42	0.403717301	1	0
1390	418	0.23029138	0.42	0.067232451	0	0
1391	859	0.29104104	0.54	0.403717301	1	1
1392	401	0.20310497	0.54	0.403717301	0	0
1393	400	0.41824062	0.42	0.403717301	1	1
1394	727	0.21641755	0.42	0.403717301	0	0
1395	398	0.28090034	0.42	0.403717301	0	0
1396	980	0.30966912	0.18	0.403717301	0	0
1397	7	0.45330315	0.74	0.593873103	1	1
1398	403	0.49091767	0.54	0.403717301	0	0
1399	715	0.38785602	0.74	0.403717301	0	0
1400	594	0.45867780	0.42	0.403717301	0	0
1401	371	0.48067630	0.54	0.403717301	1	1
1402	387	0.36069860	0.54	0.067232451	0	0
1403	368	0.19263168	0.54	0.403717301	0	0
1404	399	0.23409460	0.42	0.403717301	0	0
1405	916	0.49533347	0.54	0.403717301	0	0
1406	920	0.63150220	0.74	0.593873103	0	0
1407	922	0.29733935	0.54	0.067232451	1	0
1408	65	0.48442171	0.54	0.403717301	1	1
1409	675	0.42784066	0.54	0.403717301	0	0
1410	867	0.12328679	0.18	0.403717301	0	0
1411	974	0.75299810	0.74	0.593873103	0	0
1412	729	0.27361994	0.54	0.403717301	1	0
1413	338	0.48250714	0.54	0.403717301	0	0
1414	975	0.41775407	0.42	0.067232451	1	1
1415	390	0.35617609	0.54	0.067232451	0	0
1416	475	0.71633081	0.74	0.403717301	0	0
1417	417	0.52614280	0.54	0.403717301	0	0
1418	476	0.41645739	0.42	0.403717301	1	1
1419	978	0.13458654	0.42	0.403717301	1	0
1420	923	0.71094950	0.74	0.593873103	1	1
1421	986	0.20068798	0.18	0.067232451	1	0
1422	605	0.20904911	0.42	0.403717301	0	0
1423	374	0.76959043	0.54	0.593873103	1	0
1424	282	0.52248483	0.54	0.593873103	1	0

1425	12	0.38501080	0.54	0.067232451	1	1
1426	490	0.48417196	0.74	0.593873103	1	0
1427	716	0.31590253	0.54	0.403717301	0	0
1428	985	0.56119172	0.74	0.593873103	0	0
1429	344	0.63483133	0.74	0.403717301	1	0
1430	681	0.81607827	0.74	0.403717301	1	0
1431	677	0.37965802	0.74	0.403717301	1	1
1432	38	0.18069193	0.42	0.067232451	0	0
1433	880	0.25692744	0.42	0.403717301	0	0
1434	634	0.57932425	0.54	0.403717301	1	1
1435	885	0.30174544	0.42	0.403717301	1	1
1436	984	0.34306466	0.42	0.403717301	1	1
1437	138	0.57623422	0.74	0.403717301	1	1
1438	640	0.20315893	0.18	0.403717301	1	0
1439	622	0.25654579	0.42	0.067232451	0	0
1440	873	0.28400798	0.54	0.403717301	1	0
1441	700	0.39555998	0.42	0.403717301	0	0
1442	924	0.31908064	0.42	0.403717301	0	0
1443	331	0.43045378	0.54	0.403717301	1	0
1444	886	0.40043170	0.74	0.403717301	1	1

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