

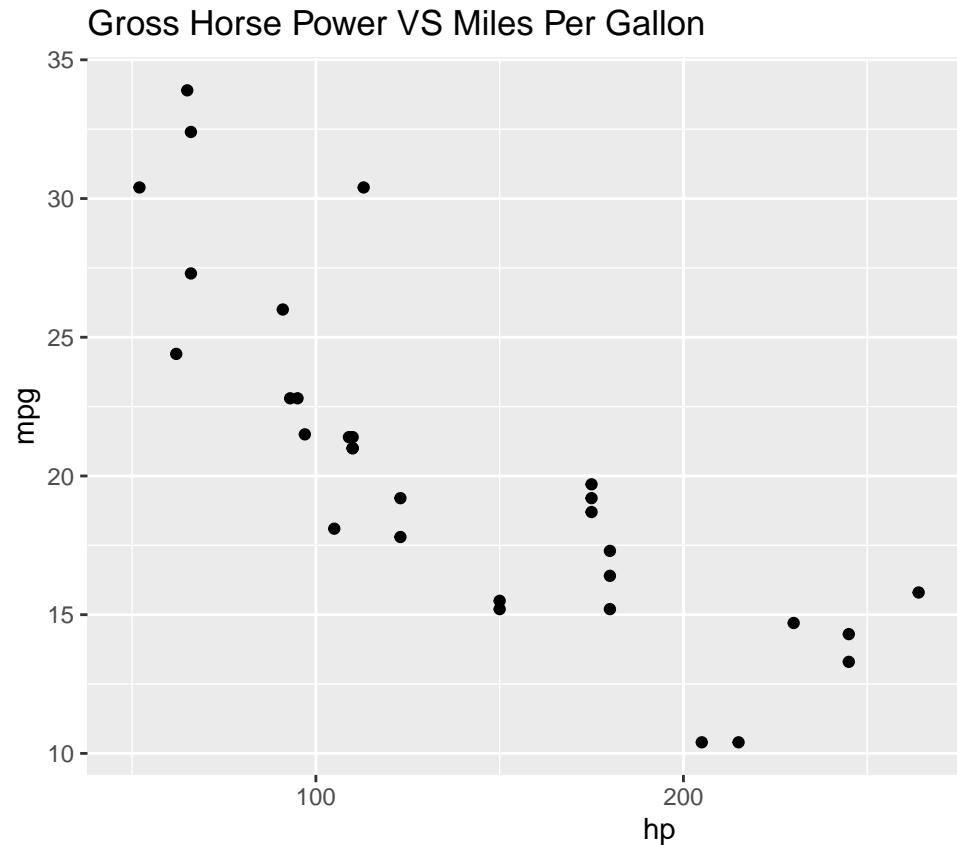
Regression

In this task, one wishes to find some simple pattern in the data - a functional relationship between the X and Y components of the data. Linear regression was developed in the field of statistics and is studied as a model for understanding the relationship between input and output numerical variables assumes a linear relationship between the input variables (x) and the single output variable (y). More specifically, that y can be calculated from a linear combination of the input variables (x).

1. Simple Linear Regression

Simple linear regression is used to predict the value of an outcome variable Y based on one input predictor variables X.

```
# Let's first import ggplot
library(ggplot2)
# Examining the data before fitting models by creating a scatter plot
# Scatter plots can help visualize any linear relationships between the dependent (response) variable
# and independent (predictor) variables.
ggplot(mtcars, aes(hp, mpg))+
  geom_point()+
  labs(title = "Gross Horse Power VS Miles Per Gallon",
       x = "hp",
       y = "mpg")
```



1.1 Simple Linear Regression Code

```
# Examining the data by also finding the correlation coefficient
# Correlation is a statistical measure that suggests the level of linear dependence between two variables
# Correlation can take values between -1 to +1. If we observe for every instance where speed increases,
# the distance also increases along with it, then there is a high positive correlation between them
# and therefore the correlation between them will be closer to 1.
# The opposite is true for an inverse relationship, in which case, the correlation between the variables
cor(mtcars$hp, mtcars$mpg)
```

```
## [1] -0.7761684
```

Checking for relationship between x and y

```
# The linear model function lm, used below will create the relationship model between the predictor and
# mpg-hp presenting the relation between x and y and mtcars the vector on which the formula will be applied
simple_lm <- lm(mpg~hp, mtcars)
simple_lm
```

```
##
## Call:
## lm(formula = mpg ~ hp, data = mtcars)
##
## Coefficients:
## (Intercept)          hp
##    30.09886      -0.06823
```

Creating an ANOVA table

```
# Generating the anova table. This table will
# contain the sums of squares, degrees of freedom, F statistic, and p value
#
anova(simple_lm)
```

```
## Analysis of Variance Table
##
## Response: mpg
##      Df Sum Sq Mean Sq F value    Pr(>F)
## hp      1  678.37    678.37   45.46 1.788e-07 ***
## Residuals 30  447.67     14.92
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Predicting our model

```
# Predicting the response variables
#
pred1 <- predict(simple_lm, mtcars)
pred1
```

```
##      Mazda RX4      Mazda RX4 Wag      Datsun 710      Hornet 4 Drive
##      22.593750      22.593750      23.753631      22.593750
##  Hornet Sportabout      Valiant      Duster 360      Merc 240D
##      18.158912      22.934891      13.382932      25.868707
##      Merc 230      Merc 280      Merc 280C      Merc 450SE
##      23.617174      21.706782      21.706782      17.817770
##      Merc 450SL      Merc 450SLC  Cadillac Fleetwood Lincoln Continental
##      17.817770      17.817770      16.112064      15.429781
##  Chrysler Imperial      Fiat 128      Honda Civic      Toyota Corolla
##      14.406357      25.595794      26.550990      25.664022
##      Toyota Corona      Dodge Challenger      AMC Javelin      Camaro Z28
##      23.480718      19.864619      19.864619      13.382932
##      Pontiac Firebird      Fiat X1-9      Porsche 914-2      Lotus Europa
##      18.158912      25.595794      23.890087      22.389065
##      Ford Pantera L      Ferrari Dino      Maserati Bora      Volvo 142E
##      12.086595      18.158912      7.242387      22.661978
```

```
# Considering two vectors
height <- c(151, 174, 138, 186, 128, 136, 179, 163, 152, 131)
weight <- c(63, 81, 56, 91, 47, 57, 76, 72, 62, 48)
# Examining the data by also finding the correlation coefficient
cor(height, weight)
```

Example

```
## [1] 0.9771296
```

```
# Apply the lm() function.
relation <- lm(weight~height)
relation
```

```
##
## Call:
## lm(formula = weight ~ height)
##
## Coefficients:
## (Intercept)      height
##      -38.4551      0.6746
```

Summary

```
# Then getting the Summary of the relationship
summary(relation)
```

```
##
## Call:
## lm(formula = weight ~ height)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -6.3002 -1.6629  0.0412  1.8944  3.9775
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -38.45509     8.04901  -4.778  0.00139 **
## height       0.67461     0.05191  12.997 1.16e-06 ***
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 3.253 on 8 degrees of freedom
## Multiple R-squared:  0.9548, Adjusted R-squared:  0.9491
## F-statistic: 168.9 on 1 and 8 DF, p-value: 1.164e-06
```

Finding the weight of a person of height 170

```
# Then wrapping the parameters inside a new data frame named
# and later finding the weight of a person with height 170 and
#
a <- data.frame(height = 170)
result <- predict(relation,a)
result
```

```
##           1
## 76.22869
```

Challenge of Simple Linear Regression

```
# Apply simple linear regression to the faithful dataset
# and estimate the next eruption duration if the waiting time
# since the last eruption has been 80 minutes
#
```

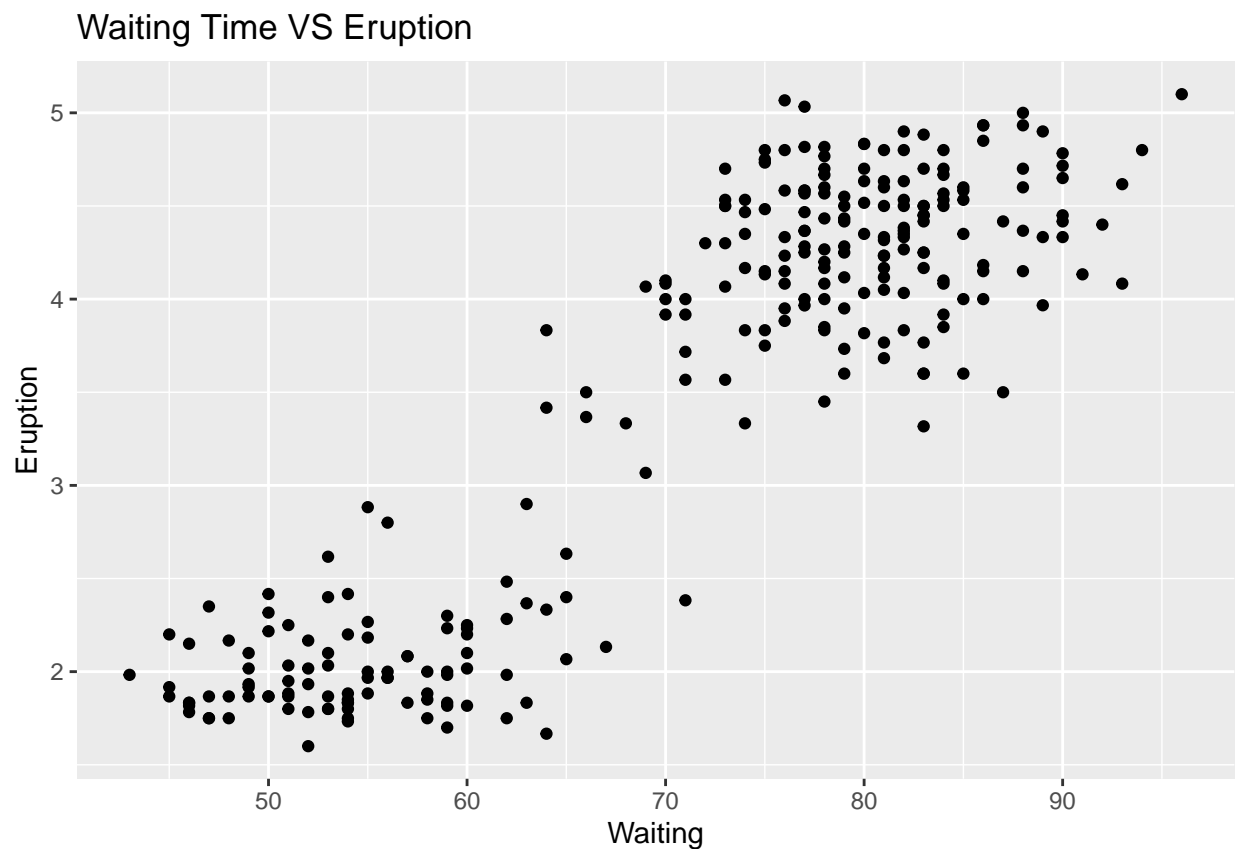
```
# Previewing the database
```

```
#
head(faithful)
```

```
##   eruptions waiting
## 1      3.600      79
## 2      1.800      54
## 3      3.333      74
## 4      2.283      62
## 5      4.533      85
## 6      2.883      55
```

```
# Examining the data before fitting models by creating a scatter plot
#
```

```
ggplot(faithful, aes(waiting, eruptions))+
  geom_point()+
  labs(title = "Waiting Time VS Eruption",
       x = "Waiting",
       y = "Eruption")
```



Finding the correlation

```
# Examining the data by also finding the correlation coefficient
cor(faithful$waiting, faithful$eruptions)
```

```
## [1] 0.9008112
```

Finding the linear model

```
# Applying the lm() function.
simple_lmf <- lm(waiting~eruptions, faithful)
simple_lmf
```

```
##
## Call:
## lm(formula = waiting ~ eruptions, data = faithful)
##
## Coefficients:
## (Intercept)      eruptions
##      33.47         10.73
```

Making our Predictions

```
# Working on the solution
#a <- data.frame(waiting=80)
#next_eruption <- predict(simple_lmf, a)
#next_eruption
```

2. Multiple Linear Regression

Multiple linear regression is an extension of simple linear regression used to predict an outcome variable (y) on the basis of multiple distinct predictor variables (x). In simple linear relation we have one predictor and one response variable, but in multiple regression we have more than one predictor variable and one response variable. With three predictor variables (x), the prediction of y is expressed by the following equation: $y = b_0 + b_1x_1 + b_2x_2 + b_3x_3$

```
# Multiple Linear Regression Example
# ---
# Use the diamonds dataset
#
head(diamonds)
```

```
## # A tibble: 6 x 10
##   carat cut      color clarity depth table price      x      y      z
##   <dbl> <ord>    <ord> <ord>    <dbl> <dbl> <int> <dbl> <dbl> <dbl>
## 1 0.23 Ideal    E      SI2     61.5   55   326  3.95  3.98  2.43
## 2 0.21 Premium  E      SI1     59.8   61   326  3.89  3.84  2.31
## 3 0.23 Good    E      VS1     56.9   65   327  4.05  4.07  2.31
## 4 0.290 Premium I      VS2     62.4   58   334  4.2   4.23  2.63
## 5 0.31 Good    J      SI2     63.3   58   335  4.34  4.35  2.75
## 6 0.24 Very Good J      VVS2     62.8   57   336  3.94  3.96  2.48
```

Applying the linear model

```
# Applying the lm() function.
```

```
multiple_lm <- lm(price ~ ., diamonds)
multiple_lm
```

```
##
## Call:
## lm(formula = price ~ ., data = diamonds)
##
## Coefficients:
## (Intercept)      carat      cut.L      cut.Q      cut.C      cut^4
##  5753.762    11256.978    584.457   -301.908    148.035   -20.794
##   color.L     color.Q     color.C     color^4     color^5     color^6
## -1952.160    -672.054   -165.283     38.195    -95.793   -48.466
##  clarity.L   clarity.Q   clarity.C   clarity^4   clarity^5   clarity^6
##  4097.431   -1925.004    982.205   -364.918    233.563     6.883
##  clarity^7     depth     table         x         y         z
##    90.640    -63.806   -26.474  -1008.261     9.609   -50.119
```

```
# Generating the anova table
```

```
anova(multiple_lm)
```

```
## Analysis of Variance Table
##
## Response: price
##           Df      Sum Sq    Mean Sq    F value    Pr(>F)
## carat      1 7.2913e+11 7.2913e+11 5.7092e+05 < 2e-16 ***
## cut        4 6.1332e+09 1.5333e+09 1.2006e+03 < 2e-16 ***
## color      6 1.2598e+10 2.0997e+09 1.6441e+03 < 2e-16 ***
## clarity    7 3.8452e+10 5.4931e+09 4.3012e+03 < 2e-16 ***
## depth      1 4.9405e+06 4.9405e+06 3.8685e+00 0.04921 *
## table      1 9.2727e+07 9.2727e+07 7.2606e+01 < 2e-16 ***
## x          1 3.2053e+09 3.2053e+09 2.5098e+03 < 2e-16 ***
## y          1 1.1679e+05 1.1679e+05 9.1400e-02 0.76235
## z          1 2.8609e+06 2.8609e+06 2.2401e+00 0.13448
## Residuals 53916 6.8857e+10 1.2771e+06
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Making the prediction

```
# Then performing our prediction
```

```
pred2 <- predict(multiple_lm, diamonds)
```

```
# Printing out our result
```

```
pred2
```

```
##           1           2           3           4           5
## -1.346364e+03 -6.645954e+02 2.111071e+02 -8.307372e+02 -3.459224e+03
##           6           7           8           9          10
## -1.380488e+03 -3.978752e+02 -1.073324e+03 -1.040023e+03 -4.204179e+02
##          11          12          13          14          15
## -2.483077e+03 -1.722362e+03 -6.449648e+02 -3.037866e+03 -1.690081e+03
##          16          17          18          19          20
```

##	-3.589583e+03	-2.192976e+03	-2.396554e+03	-2.475814e+03	-2.315252e+03
##	21	22	23	24	25
##	-2.533507e+03	6.313333e+01	-3.579828e+02	-2.249489e+03	-2.215066e+03
##	26	27	28	29	30
##	4.947033e+02	-8.251858e+02	-1.699440e+03	2.175483e+02	3.354325e+02
##	31	32	33	34	35
##	3.534131e+02	3.256309e+02	3.490909e+02	4.132846e+02	5.570459e+02
##	36	37	38	39	40
##	2.102743e+02	1.227333e+02	-9.959463e+02	4.134710e+02	-2.053845e+03
##	41	42	43	44	45
##	-2.040628e+03	-1.974535e+03	2.004159e+02	5.681327e+02	-1.891621e+03
##	46	47	48	49	50
##	-2.801426e+02	-1.642766e+03	-1.958360e+03	3.461620e+01	-2.019466e+03
##	51	52	53	54	55
##	-6.324348e+02	2.768539e+02	-1.103054e+03	-3.056476e+01	2.444920e+02
##	56	57	58	59	60
##	-2.249048e+03	-3.297038e+03	-1.393505e+03	-1.450895e+03	-1.527279e+03
##	61	62	63	64	65
##	1.939593e+00	7.572325e+01	1.443011e+02	1.868123e+02	-1.496485e+03
##	66	67	68	69	70
##	9.245037e+02	2.205222e+02	-4.248695e+02	-3.377402e+02	9.117166e+02
##	71	72	73	74	75
##	1.021021e+03	-9.548860e+02	-9.753890e+02	-9.064037e+02	-1.157691e+03
##	76	77	78	79	80
##	8.414078e+02	9.528516e+02	1.175462e+03	1.062408e+03	8.984395e+02
##	81	82	83	84	85
##	9.074098e+02	1.144525e+03	9.954994e+02	-1.669004e+03	8.700505e+02
##	86	87	88	89	90
##	5.691694e+02	1.079923e+02	9.734241e+01	2.222105e+01	-1.281973e+03
##	91	92	93	94	95
##	2.985674e+03	2.397641e+03	3.401432e+03	3.621009e+03	2.370645e+03
##	96	97	98	99	100
##	3.486835e+03	3.645954e+03	3.080563e+03	3.152231e+03	3.032064e+03
##	101	102	103	104	105
##	3.528774e+03	3.422400e+03	3.172827e+03	3.679588e+03	3.520064e+03
##	106	107	108	109	110
##	3.174049e+03	3.476030e+03	3.458160e+03	2.992012e+03	3.448483e+03
##	111	112	113	114	115
##	2.890468e+03	2.416504e+03	3.977558e+03	2.992807e+03	3.809603e+03
##	116	117	118	119	120
##	3.851490e+03	2.752841e+03	3.492595e+03	3.649948e+03	2.885994e+03
##	121	122	123	124	125
##	2.353677e+03	3.425862e+03	3.374211e+03	2.691913e+03	2.629791e+03
##	126	127	128	129	130
##	3.485602e+03	4.207049e+03	3.698256e+03	2.233587e+03	2.149915e+03
##	131	132	133	134	135
##	3.468910e+03	3.163180e+03	3.304785e+03	3.477486e+03	3.624693e+03
##	136	137	138	139	140
##	3.681749e+03	3.827732e+03	3.880566e+03	2.791226e+03	3.621263e+03
##	141	142	143	144	145
##	3.381031e+03	3.367861e+03	3.810698e+03	3.792374e+03	2.416407e+03
##	146	147	148	149	150
##	3.170407e+03	3.711062e+03	3.472474e+03	3.196455e+03	3.061409e+03
##	151	152	153	154	155

##	2.264249e+03	2.162222e+03	3.810785e+03	3.468496e+03	3.371817e+03
##	156	157	158	159	160
##	2.831596e+03	3.109031e+03	3.500382e+03	3.840500e+03	2.516831e+03
##	161	162	163	164	165
##	3.522692e+03	3.678881e+03	3.034857e+03	3.436092e+03	2.787591e+03
##	166	167	168	169	170
##	3.741500e+03	2.759736e+03	3.142856e+03	3.374132e+03	3.457723e+03
##	171	172	173	174	175
##	2.746687e+03	3.719227e+03	1.229367e+03	3.177626e+03	3.045717e+03
##	176	177	178	179	180
##	3.325247e+03	3.738838e+03	3.451200e+03	3.548776e+03	3.628435e+03
##	181	182	183	184	185
##	3.019732e+03	3.010126e+03	2.990157e+03	2.991440e+03	3.277821e+03
##	186	187	188	189	190
##	2.882476e+03	4.002780e+03	3.596600e+03	3.571697e+03	3.362650e+03
##	191	192	193	194	195
##	3.442411e+03	3.667420e+03	3.520724e+03	2.936531e+03	2.971231e+03
##	196	197	198	199	200
##	2.880083e+03	2.984494e+03	2.906487e+03	2.997679e+03	2.894492e+03
##	201	202	203	204	205
##	2.832925e+03	2.958542e+03	2.950169e+03	3.236970e+03	2.770657e+03
##	206	207	208	209	210
##	3.598323e+03	2.857274e+03	2.895939e+03	3.063966e+03	3.372082e+03
##	211	212	213	214	215
##	3.436944e+03	3.886059e+03	3.762873e+03	4.082147e+03	3.707519e+03
##	216	217	218	219	220
##	1.932509e+03	2.915085e+03	3.001774e+03	3.081166e+03	2.978200e+03
##	221	222	223	224	225
##	3.890419e+03	3.753844e+03	3.804826e+03	2.540296e+03	3.471703e+03
##	226	227	228	229	230
##	3.252417e+03	3.045550e+03	2.977167e+03	3.249516e+03	3.224883e+03
##	231	232	233	234	235
##	3.698894e+03	3.826018e+03	3.584077e+03	2.766246e+03	3.690287e+03
##	236	237	238	239	240
##	3.463534e+03	3.631735e+03	3.608143e+03	3.690992e+03	3.904683e+03
##	241	242	243	244	245
##	3.077703e+03	1.209647e+03	3.976548e+03	3.362720e+03	3.345025e+03
##	246	247	248	249	250
##	3.477639e+03	3.486864e+03	2.862558e+03	2.796576e+03	3.051701e+03
##	251	252	253	254	255
##	3.242902e+03	2.481891e+03	3.666143e+03	3.651213e+03	3.639697e+03
##	256	257	258	259	260
##	1.964878e+03	3.988002e+03	3.561263e+03	3.159174e+03	3.832557e+03
##	261	262	263	264	265
##	3.839851e+03	3.113246e+03	3.328744e+03	3.060872e+03	3.020984e+03
##	266	267	268	269	270
##	3.210580e+03	3.701446e+03	3.722661e+03	4.082173e+03	3.850850e+03
##	271	272	273	274	275
##	3.457928e+03	3.495816e+03	3.383368e+03	2.937176e+03	3.172889e+03
##	276	277	278	279	280
##	3.656575e+03	3.627248e+03	3.926353e+03	3.016859e+03	3.806452e+03
##	281	282	283	284	285
##	2.309726e+03	3.508785e+03	3.748013e+03	3.411932e+03	3.344358e+03
##	286	287	288	289	290

##	2.996963e+03	2.163690e+03	3.804346e+03	3.174562e+03	3.259234e+03
##	291	292	293	294	295
##	3.176484e+03	3.207555e+03	3.075230e+03	3.532579e+03	3.525706e+03
##	296	297	298	299	300
##	3.551181e+03	3.117280e+03	2.774740e+03	3.768524e+03	3.470623e+03
##	301	302	303	304	305
##	3.268235e+03	3.043863e+03	3.117825e+03	3.919736e+03	3.525214e+03
##	306	307	308	309	310
##	2.349755e+03	3.924258e+03	2.533460e+03	3.890463e+03	3.882941e+03
##	311	312	313	314	315
##	3.261152e+03	3.858528e+03	3.421698e+03	3.697148e+03	3.162056e+03
##	316	317	318	319	320
##	1.666638e+03	3.811901e+03	3.689706e+03	2.680771e+03	3.566064e+03
##	321	322	323	324	325
##	3.411875e+03	3.332113e+03	3.556165e+03	2.015354e+03	2.384334e+03
##	326	327	328	329	330
##	3.200181e+03	3.301576e+03	3.670039e+03	3.836373e+03	3.436472e+03
##	331	332	333	334	335
##	3.248323e+03	3.482614e+03	3.385517e+03	3.317049e+03	3.532658e+03
##	336	337	338	339	340
##	3.579397e+03	3.568796e+03	3.875424e+03	3.337364e+03	3.892267e+03
##	341	342	343	344	345
##	3.659821e+03	4.090899e+03	3.563025e+03	3.535096e+03	2.883135e+03
##	346	347	348	349	350
##	3.085630e+03	4.072201e+03	3.896438e+03	3.940775e+03	3.262538e+03
##	351	352	353	354	355
##	3.425196e+03	3.493852e+03	2.537521e+03	3.776107e+03	3.867112e+03
##	356	357	358	359	360
##	2.308473e+03	2.416575e+03	3.739525e+03	3.505452e+03	2.820472e+03
##	361	362	363	364	365
##	4.085764e+03	3.569999e+03	3.959281e+03	3.014344e+03	3.875806e+03
##	366	367	368	369	370
##	3.863899e+03	1.895900e+03	3.640610e+03	3.823543e+03	8.043666e+02
##	371	372	373	374	375
##	3.655795e+03	3.351884e+03	3.345561e+03	3.807266e+03	3.157415e+03
##	376	377	378	379	380
##	3.019630e+03	2.876958e+03	3.873768e+03	3.750294e+03	2.675015e+03
##	381	382	383	384	385
##	3.589690e+03	3.427376e+03	3.271469e+03	4.276557e+03	3.251875e+03
##	386	387	388	389	390
##	2.324915e+03	3.540534e+03	3.539355e+03	2.829177e+03	3.516431e+03
##	391	392	393	394	395
##	-1.289280e+03	-1.316327e+03	-1.172299e+03	-1.224250e+03	-1.318693e+03
##	396	397	398	399	400
##	-1.162980e+03	-8.745370e+02	-8.185595e+02	-9.489149e+02	-9.681484e+02
##	401	402	403	404	405
##	-1.090532e+03	-8.412813e+02	-1.039477e+03	-1.461241e+03	-1.937622e+03
##	406	407	408	409	410
##	7.323239e+02	7.818166e+02	-1.333804e+02	1.230795e+02	9.738770e+01
##	411	412	413	414	415
##	-5.528447e+01	-1.155913e+02	6.148285e+02	7.883606e+02	9.907512e+01
##	416	417	418	419	420
##	-2.903137e+03	5.557205e+02	-2.361939e+02	3.337848e+02	6.698865e+02
##	421	422	423	424	425

##	3.465847e+03	3.459501e+03	3.324326e+03	2.604844e+03	3.809118e+03
##	426	427	428	429	430
##	2.725531e+03	3.579364e+03	4.139750e+03	3.893189e+03	3.393054e+03
##	431	432	433	434	435
##	3.529394e+03	3.353871e+03	3.319282e+03	2.426092e+03	3.939381e+03
##	436	437	438	439	440
##	2.329454e+03	2.314077e+03	2.303208e+03	2.293506e+03	2.313980e+03
##	441	442	443	444	445
##	3.350373e+03	2.844255e+03	3.697847e+03	3.529053e+03	1.824575e+03
##	446	447	448	449	450
##	3.691946e+03	3.330389e+03	4.052604e+03	3.498468e+03	2.705145e+03
##	451	452	453	454	455
##	3.381240e+03	3.051957e+03	3.162169e+03	3.728299e+03	3.626929e+03
##	456	457	458	459	460
##	3.738990e+03	3.030336e+03	2.970090e+03	3.159687e+03	3.002711e+03
##	461	462	463	464	465
##	3.196908e+03	2.743228e+03	3.459113e+03	3.568869e+03	3.466178e+03
##	466	467	468	469	470
##	1.104889e+03	3.092543e+03	3.060053e+03	3.913854e+03	3.805700e+03
##	471	472	473	474	475
##	3.430986e+03	3.835470e+03	2.817790e+03	3.693374e+03	3.361558e+03
##	476	477	478	479	480
##	3.547708e+03	3.029684e+03	3.726294e+03	3.479174e+03	3.789866e+03
##	481	482	483	484	485
##	3.022278e+03	3.173022e+03	2.976672e+03	3.114196e+03	3.148348e+03
##	486	487	488	489	490
##	3.424027e+03	3.082922e+03	3.820964e+03	3.691842e+03	3.666529e+03
##	491	492	493	494	495
##	3.623958e+03	3.560065e+03	3.507612e+03	3.479978e+03	3.287781e+03
##	496	497	498	499	500
##	3.133847e+03	3.238876e+03	3.075164e+03	3.290215e+03	2.869411e+03
##	501	502	503	504	505
##	3.322831e+03	3.499891e+03	3.526593e+03	3.231977e+03	2.610732e+03
##	506	507	508	509	510
##	3.277211e+03	3.237825e+03	3.484102e+03	3.450863e+03	3.296398e+03
##	511	512	513	514	515
##	2.901209e+03	3.268763e+03	3.606359e+03	3.612718e+03	2.169046e+03
##	516	517	518	519	520
##	3.186860e+03	3.831235e+03	3.684582e+03	3.998495e+03	3.066931e+03
##	521	522	523	524	525
##	2.976981e+03	3.604354e+03	3.330255e+03	3.839017e+03	3.225263e+03
##	526	527	528	529	530
##	1.193478e+03	2.042546e+03	4.028440e+03	3.699741e+03	2.491433e+03
##	531	532	533	534	535
##	3.863185e+03	3.766828e+03	3.846784e+03	2.387540e+03	3.508154e+03
##	536	537	538	539	540
##	1.625923e+03	3.080035e+03	3.768701e+03	4.141938e+03	3.627019e+03
##	541	542	543	544	545
##	3.664164e+03	2.317297e+03	3.914993e+03	3.931800e+03	2.678866e+03
##	546	547	548	549	550
##	3.499641e+03	4.041665e+03	2.370121e+03	2.871360e+03	3.578879e+03
##	551	552	553	554	555
##	2.831875e+03	1.711593e+03	2.941425e+03	2.953115e+03	3.304448e+03
##	556	557	558	559	560

##	4.363448e+03	2.430050e+03	3.223959e+03	3.498157e+03	3.109231e+03
##	561	562	563	564	565
##	3.562435e+03	3.605930e+03	2.434127e+03	4.015837e+03	3.592875e+03
##	566	567	568	569	570
##	3.349014e+03	3.850096e+03	2.184292e+03	3.191674e+03	3.462316e+03
##	571	572	573	574	575
##	3.705760e+03	3.855314e+03	3.557928e+03	2.610381e+03	3.010839e+03
##	576	577	578	579	580
##	4.240265e+03	3.706024e+03	2.994470e+03	2.938692e+03	3.103851e+03
##	581	582	583	584	585
##	2.506271e+03	2.547836e+03	2.665218e+03	4.090789e+03	3.695978e+03
##	586	587	588	589	590
##	3.733448e+03	3.782434e+03	3.228635e+03	3.807166e+03	3.256005e+03
##	591	592	593	594	595
##	3.450429e+03	3.779012e+03	3.931124e+03	3.156330e+03	2.717145e+03
##	596	597	598	599	600
##	3.119830e+03	3.940807e+03	3.419779e+03	3.490720e+03	3.570963e+03
##	601	602	603	604	605
##	3.420437e+03	2.935493e+03	3.443969e+03	3.472929e+03	3.504645e+03
##	606	607	608	609	610
##	3.342239e+03	3.973319e+03	3.923304e+03	3.904529e+03	3.853934e+03
##	611	612	613	614	615
##	3.907359e+03	3.932403e+03	3.916797e+03	3.675433e+03	3.703956e+03
##	616	617	618	619	620
##	3.695363e+03	4.036890e+03	3.895822e+03	3.937236e+03	3.810998e+03
##	621	622	623	624	625
##	3.624384e+03	2.467711e+03	2.996983e+03	3.620631e+03	4.188568e+03
##	626	627	628	629	630
##	2.981348e+03	3.452369e+03	3.678848e+03	4.118206e+03	3.374271e+03
##	631	632	633	634	635
##	3.159676e+03	3.081841e+03	2.958473e+03	2.876250e+03	1.798576e+03
##	636	637	638	639	640
##	3.967195e+03	3.543964e+03	3.736163e+03	3.816323e+03	3.613184e+03
##	641	642	643	644	645
##	3.498185e+03	3.491900e+03	3.492996e+03	3.712172e+03	2.801719e+03
##	646	647	648	649	650
##	3.210493e+03	4.302616e+03	4.029086e+03	3.835580e+03	3.007805e+03
##	651	652	653	654	655
##	4.117690e+03	3.205132e+03	3.824461e+03	8.474121e+02	5.898095e+02
##	656	657	658	659	660
##	3.613173e+03	3.526549e+03	3.508267e+03	3.323592e+03	6.245107e+03
##	661	662	663	664	665
##	4.033869e+03	3.961598e+03	3.831385e+03	3.043573e+03	1.000016e+03
##	666	667	668	669	670
##	3.270776e+03	3.035406e+03	3.329248e+03	3.479429e+03	3.816998e+03
##	671	672	673	674	675
##	4.143256e+03	3.359340e+03	3.223868e+03	3.603456e+03	3.904857e+03
##	676	677	678	679	680
##	3.261897e+03	1.781005e+03	3.553784e+03	4.125169e+03	3.460740e+03
##	681	682	683	684	685
##	3.593977e+03	1.347387e+03	2.871083e+03	3.686456e+03	3.875330e+03
##	686	687	688	689	690
##	3.173520e+03	3.528830e+03	3.318053e+03	3.621596e+03	3.423265e+03
##	691	692	693	694	695

##	3.141652e+03	3.362739e+03	3.487436e+03	3.563194e+03	3.533147e+03
##	696	697	698	699	700
##	3.019475e+03	2.881275e+03	2.957416e+03	3.636844e+03	3.783812e+03
##	701	702	703	704	705
##	3.887132e+03	2.216685e+03	3.723829e+03	2.328564e+03	2.335077e+03
##	706	707	708	709	710
##	2.965550e+03	3.148976e+03	3.832828e+03	3.995906e+03	3.755057e+03
##	711	712	713	714	715
##	3.513655e+03	4.080298e+03	3.542649e+03	3.801343e+03	3.567009e+03
##	716	717	718	719	720
##	4.153994e+03	3.462520e+03	2.684007e+03	1.691236e+03	3.275668e+03
##	721	722	723	724	725
##	6.582865e+02	6.565734e+02	-3.560504e+02	3.664763e+02	-7.505639e+01
##	726	727	728	729	730
##	-3.537063e+01	-2.858492e+01	4.100693e+02	2.992570e+02	4.313017e+02
##	731	732	733	734	735
##	1.730724e+02	1.664543e+02	1.431999e+02	1.628430e+02	1.845028e+02
##	736	737	738	739	740
##	1.864463e+02	4.552765e+02	2.451833e+02	2.684718e+02	-1.118501e+03
##	741	742	743	744	745
##	-9.816049e+02	-1.200350e+03	-1.061119e+03	-1.017690e+03	-1.214769e+03
##	746	747	748	749	750
##	-1.259555e+03	-1.049373e+03	-1.119991e+03	-1.348087e+03	-1.226298e+03
##	751	752	753	754	755
##	3.057227e+03	3.473708e+03	3.466136e+03	4.039733e+03	3.437590e+03
##	756	757	758	759	760
##	3.162887e+03	3.983638e+03	3.078694e+03	4.123080e+03	3.804656e+03
##	761	762	763	764	765
##	3.798296e+03	3.588740e+03	3.506463e+03	3.555237e+03	3.495527e+03
##	766	767	768	769	770
##	2.642750e+03	3.542312e+03	3.481893e+03	3.805151e+03	3.905198e+03
##	771	772	773	774	775
##	2.690892e+03	3.042834e+03	3.834956e+03	3.738891e+03	4.363552e+03
##	776	777	778	779	780
##	3.790279e+03	3.710586e+03	3.267439e+03	3.073018e+03	3.524571e+03
##	781	782	783	784	785
##	1.526673e+03	3.539929e+03	4.164678e+03	2.908156e+03	3.073983e+03
##	786	787	788	789	790
##	3.441219e+03	3.410759e+03	3.448334e+03	3.097232e+03	2.984376e+03
##	791	792	793	794	795
##	3.691729e+03	3.172360e+03	3.702406e+03	3.012947e+03	3.679562e+03
##	796	797	798	799	800
##	4.196437e+03	2.899223e+03	3.545405e+03	3.775934e+03	3.540631e+03
##	801	802	803	804	805
##	3.944062e+03	3.813090e+03	3.666039e+03	3.933904e+03	3.344467e+03
##	806	807	808	809	810
##	3.773502e+03	3.054365e+03	3.107709e+03	3.247092e+03	3.214406e+03
##	811	812	813	814	815
##	3.309806e+03	3.191355e+03	3.244597e+03	2.467757e+03	3.100409e+03
##	816	817	818	819	820
##	3.435397e+03	3.004648e+03	3.733366e+03	3.085252e+03	3.760703e+03
##	821	822	823	824	825
##	3.027438e+03	3.360981e+03	3.453615e+03	3.378067e+03	3.397234e+03
##	826	827	828	829	830

##	4.043238e+03	3.584741e+03	3.928522e+03	3.567690e+03	3.824538e+03
##	831	832	833	834	835
##	3.727087e+03	3.704145e+03	4.164214e+03	3.051422e+03	2.855893e+03
##	836	837	838	839	840
##	3.037532e+03	3.020769e+03	2.973477e+03	3.651188e+03	3.185282e+03
##	841	842	843	844	845
##	2.905564e+03	3.810413e+03	2.771459e+03	3.347225e+03	2.822291e+03
##	846	847	848	849	850
##	3.304812e+03	3.842816e+03	4.272080e+03	3.739340e+03	2.633836e+03
##	851	852	853	854	855
##	3.197008e+03	3.669532e+03	3.591683e+03	2.645776e+03	3.219369e+03
##	856	857	858	859	860
##	3.935611e+03	4.079831e+03	9.813141e+02	3.208911e+03	2.997029e+03
##	861	862	863	864	865
##	2.490829e+03	2.257179e+03	3.555907e+03	3.062529e+03	3.649327e+03
##	866	867	868	869	870
##	9.830633e+02	1.652328e+03	3.339612e+03	2.661626e+03	3.337113e+03
##	871	872	873	874	875
##	3.320751e+03	3.111053e+03	3.790980e+03	3.381484e+03	3.729003e+03
##	876	877	878	879	880
##	3.996421e+03	3.491209e+03	2.622331e+03	3.450661e+03	3.973095e+03
##	881	882	883	884	885
##	2.567297e+03	2.552824e+03	2.308821e+03	2.566241e+03	2.634147e+03
##	886	887	888	889	890
##	2.430866e+03	4.104840e+03	3.882128e+03	3.852225e+03	3.735146e+03
##	891	892	893	894	895
##	3.978910e+03	3.916046e+03	3.896733e+03	3.878632e+03	3.868967e+03
##	896	897	898	899	900
##	2.947657e+03	2.891431e+03	3.517103e+03	3.522157e+03	2.897313e+03
##	901	902	903	904	905
##	4.099691e+03	4.413095e+03	3.305080e+03	3.993419e+03	3.728218e+03
##	906	907	908	909	910
##	3.419619e+03	3.553143e+03	3.591145e+03	3.612384e+03	2.990469e+03
##	911	912	913	914	915
##	2.500706e+03	3.756126e+03	3.140115e+03	3.975492e+03	3.794241e+03
##	916	917	918	919	920
##	3.826868e+03	3.010108e+03	3.001370e+03	2.837132e+03	3.047326e+03
##	921	922	923	924	925
##	4.058482e+03	1.721995e+03	3.425130e+03	3.602239e+03	3.563842e+03
##	926	927	928	929	930
##	1.575227e+03	3.876850e+03	3.020249e+03	3.762809e+03	3.588507e+03
##	931	932	933	934	935
##	3.766795e+03	3.441522e+03	2.650238e+03	2.078419e+03	2.874943e+03
##	936	937	938	939	940
##	4.047435e+03	4.375546e+03	2.933506e+03	2.999464e+03	3.027679e+03
##	941	942	943	944	945
##	3.330667e+03	3.312210e+03	3.276623e+03	3.809548e+03	3.418092e+03
##	946	947	948	949	950
##	4.111298e+03	3.576496e+03	3.783690e+03	2.754872e+03	3.858218e+03
##	951	952	953	954	955
##	2.757589e+03	2.747410e+03	3.351506e+03	4.067285e+03	3.479089e+03
##	956	957	958	959	960
##	3.813482e+03	3.848794e+03	3.686625e+03	3.480213e+03	3.790955e+03
##	961	962	963	964	965

##	3.643436e+03	3.718420e+03	3.745452e+03	3.702911e+03	3.457442e+03
##	966	967	968	969	970
##	3.563415e+03	2.719909e+03	2.057506e+03	3.928608e+03	2.722206e+03
##	971	972	973	974	975
##	4.146516e+03	4.003928e+03	3.417007e+03	2.732851e+03	2.559496e+03
##	976	977	978	979	980
##	3.641999e+03	3.712307e+03	2.945150e+03	2.740302e+03	3.511947e+03
##	981	982	983	984	985
##	3.402680e+03	3.763171e+03	4.120221e+03	3.969033e+03	3.883424e+03
##	986	987	988	989	990
##	3.809205e+03	2.972165e+03	4.084762e+03	2.356603e+03	2.938943e+03
##	991	992	993	994	995
##	3.536561e+03	6.961259e+02	8.372334e+02	3.601367e+03	3.441691e+03
##	996	997	998	999	1000
##	3.296765e+03	3.274037e+03	3.783899e+03	4.083316e+03	3.585356e+03
##	1001	1002	1003	1004	1005
##	3.690539e+03	3.750435e+03	3.651408e+03	3.531406e+03	3.533729e+03
##	1006	1007	1008	1009	1010
##	3.533729e+03	3.533729e+03	3.533729e+03	3.533729e+03	3.817844e+03
##	1011	1012	1013	1014	1015
##	2.819040e+03	4.243349e+03	3.720899e+03	2.997272e+03	2.859822e+03
##	1016	1017	1018	1019	1020
##	3.964654e+03	3.746949e+03	3.928047e+03	3.264826e+03	2.757048e+03
##	1021	1022	1023	1024	1025
##	3.589384e+03	3.505334e+03	3.637591e+03	3.430791e+03	3.277568e+03
##	1026	1027	1028	1029	1030
##	3.679644e+03	3.658816e+03	2.964239e+03	3.878896e+03	3.656750e+03
##	1031	1032	1033	1034	1035
##	3.890591e+03	3.861484e+03	3.898923e+03	3.372315e+03	3.984837e+03
##	1036	1037	1038	1039	1040
##	3.258915e+03	2.506372e+03	2.694815e+03	2.541454e+03	4.106009e+03
##	1041	1042	1043	1044	1045
##	3.534217e+03	3.015804e+03	3.635387e+03	3.643021e+03	3.636697e+03
##	1046	1047	1048	1049	1050
##	3.782474e+03	3.653027e+03	4.013887e+03	3.504896e+03	3.230502e+03
##	1051	1052	1053	1054	1055
##	-1.111040e+03	-1.100845e+03	3.778065e+02	4.308822e+02	1.537791e+02
##	1056	1057	1058	1059	1060
##	4.452214e+02	4.585835e+02	-6.748576e+02	-7.130260e+02	-8.195755e+02
##	1061	1062	1063	1064	1065
##	-7.266256e+02	-8.075432e+02	-8.849105e+02	-9.487356e+02	-9.108691e+02
##	1066	1067	1068	1069	1070
##	-8.650838e+02	-7.789330e+02	-5.490513e+02	-7.402860e+02	-7.048923e+02
##	1071	1072	1073	1074	1075
##	-7.168412e+02	-7.251266e+02	-7.753949e+02	-8.970099e+02	-9.035773e+02
##	1076	1077	1078	1079	1080
##	-1.069297e+03	-8.488760e+02	-8.709129e+02	-7.435910e+02	-1.052185e+03
##	1081	1082	1083	1084	1085
##	3.206055e+03	2.995763e+03	3.695467e+03	3.822506e+03	3.291316e+03
##	1086	1087	1088	1089	1090
##	3.306475e+03	2.553204e+03	4.190389e+03	3.866985e+03	3.445191e+03
##	1091	1092	1093	1094	1095
##	3.518562e+03	3.903731e+03	3.658581e+03	3.439089e+03	3.600247e+03
##	1096	1097	1098	1099	1100

##	3.770100e+03	3.077254e+03	3.437773e+03	2.981372e+03	3.710381e+03
##	1101	1102	1103	1104	1105
##	3.232070e+03	1.851894e+03	3.264954e+03	3.301189e+03	3.360700e+03
##	1106	1107	1108	1109	1110
##	3.267450e+03	2.544716e+03	3.985498e+03	3.060373e+03	3.762942e+03
##	1111	1112	1113	1114	1115
##	3.308371e+03	3.434449e+03	3.228203e+03	2.608576e+03	3.641950e+03
##	1116	1117	1118	1119	1120
##	3.369236e+03	3.815413e+03	4.052981e+03	3.633054e+03	3.677705e+03
##	1121	1122	1123	1124	1125
##	3.580035e+03	3.740035e+03	3.775212e+03	2.603812e+03	3.292045e+03
##	1126	1127	1128	1129	1130
##	3.775038e+03	3.034040e+03	4.219195e+03	3.561680e+03	3.465532e+03
##	1131	1132	1133	1134	1135
##	4.295441e+03	3.952742e+03	3.217326e+03	3.865742e+03	3.983940e+03
##	1136	1137	1138	1139	1140
##	3.805336e+03	3.642112e+03	3.582967e+03	3.220134e+03	3.874424e+03
##	1141	1142	1143	1144	1145
##	3.054083e+03	3.590381e+03	3.569957e+03	3.597908e+03	2.911093e+03
##	1146	1147	1148	1149	1150
##	2.916262e+03	3.683208e+03	3.664042e+03	2.945059e+03	3.346880e+03
##	1151	1152	1153	1154	1155
##	3.359077e+03	3.685898e+03	4.087082e+03	2.911379e+03	3.695307e+03
##	1156	1157	1158	1159	1160
##	3.249048e+03	4.017464e+03	2.724465e+03	3.962311e+03	3.723636e+03
##	1161	1162	1163	1164	1165
##	3.030759e+03	3.572681e+03	9.321698e+02	2.493735e+03	2.980865e+03
##	1166	1167	1168	1169	1170
##	3.863311e+03	3.781708e+03	3.663066e+03	2.654064e+03	2.915597e+03
##	1171	1172	1173	1174	1175
##	3.556275e+03	3.781601e+03	3.279818e+03	4.108190e+03	3.381744e+03
##	1176	1177	1178	1179	1180
##	3.063214e+03	3.553592e+03	3.947938e+03	4.022034e+03	3.659797e+03
##	1181	1182	1183	1184	1185
##	3.735165e+03	3.762425e+03	3.717898e+03	2.856674e+03	4.170054e+03
##	1186	1187	1188	1189	1190
##	3.984665e+03	3.599733e+03	3.732159e+03	3.902243e+03	4.134306e+03
##	1191	1192	1193	1194	1195
##	4.069691e+03	4.167999e+03	3.476989e+03	3.793345e+03	3.986324e+03
##	1196	1197	1198	1199	1200
##	2.606781e+03	2.741846e+03	2.385415e+03	4.207750e+03	1.185517e+03
##	1201	1202	1203	1204	1205
##	3.910380e+03	3.931006e+03	3.103110e+03	3.941074e+03	2.315031e+03
##	1206	1207	1208	1209	1210
##	3.108042e+03	3.307186e+03	4.105635e+03	3.992786e+03	3.590822e+03
##	1211	1212	1213	1214	1215
##	3.548479e+03	3.003262e+03	3.684571e+03	3.915177e+03	3.084057e+03
##	1216	1217	1218	1219	1220
##	3.714159e+03	2.959063e+03	3.800975e+03	2.244418e+03	3.820457e+03
##	1221	1222	1223	1224	1225
##	2.885718e+03	3.312639e+03	3.738621e+03	4.027171e+03	2.041241e+03
##	1226	1227	1228	1229	1230
##	4.144386e+03	3.776152e+03	2.993872e+03	8.976528e+02	4.066406e+03
##	1231	1232	1233	1234	1235

##	3.650081e+03	2.747356e+03	3.520928e+03	2.824830e+03	3.882032e+03
##	1236	1237	1238	1239	1240
##	3.747105e+03	3.581152e+03	3.662722e+03	3.459397e+03	3.509249e+03
##	1241	1242	1243	1244	1245
##	3.736916e+03	3.794534e+03	3.571092e+03	3.426442e+03	3.647066e+03
##	1246	1247	1248	1249	1250
##	3.804524e+03	3.756876e+03	3.860561e+03	3.901957e+03	3.807691e+03
##	1251	1252	1253	1254	1255
##	3.782048e+03	2.403674e+03	3.858959e+03	3.775185e+03	4.476984e+03
##	1256	1257	1258	1259	1260
##	3.306304e+03	3.994121e+03	3.653852e+03	3.601828e+03	3.058844e+03
##	1261	1262	1263	1264	1265
##	3.051352e+03	3.526573e+03	3.721580e+03	3.466294e+03	3.966706e+03
##	1266	1267	1268	1269	1270
##	3.066029e+03	2.456719e+03	1.618367e+03	2.397182e+03	2.562501e+03
##	1271	1272	1273	1274	1275
##	3.723310e+03	3.740431e+03	3.570109e+03	3.862401e+03	3.398327e+03
##	1276	1277	1278	1279	1280
##	2.398674e+03	3.527513e+03	3.765392e+03	3.765400e+03	3.018845e+03
##	1281	1282	1283	1284	1285
##	4.238524e+03	3.182304e+03	3.300809e+03	3.193515e+03	3.502652e+03
##	1286	1287	1288	1289	1290
##	3.440519e+03	3.547120e+03	3.813598e+03	3.597578e+03	3.604055e+03
##	1291	1292	1293	1294	1295
##	3.600835e+03	3.652742e+03	3.656603e+03	3.874667e+03	3.649846e+03
##	1296	1297	1298	1299	1300
##	3.680558e+03	4.236300e+03	3.996110e+03	3.604916e+03	3.461327e+03
##	1301	1302	1303	1304	1305
##	3.730538e+03	3.358997e+03	3.668127e+03	4.095199e+03	3.937317e+03
##	1306	1307	1308	1309	1310
##	4.145026e+03	3.455095e+03	3.458506e+03	3.459998e+03	2.796602e+03
##	1311	1312	1313	1314	1315
##	2.556986e+03	3.585736e+03	4.078693e+03	4.068724e+03	3.717507e+03
##	1316	1317	1318	1319	1320
##	3.744128e+03	3.826953e+03	3.478775e+03	3.722329e+03	3.318430e+03
##	1321	1322	1323	1324	1325
##	3.338099e+03	3.831333e+03	4.017455e+03	2.869980e+03	3.409545e+03
##	1326	1327	1328	1329	1330
##	3.579547e+03	3.775942e+03	3.586303e+03	3.855836e+03	4.095780e+03
##	1331	1332	1333	1334	1335
##	3.573975e+03	3.929003e+03	4.097914e+03	4.021597e+03	3.711352e+03
##	1336	1337	1338	1339	1340
##	3.944101e+03	3.947903e+03	4.055538e+03	4.063698e+03	3.685748e+03
##	1341	1342	1343	1344	1345
##	3.343057e+03	3.571605e+03	3.937816e+03	3.399637e+03	4.408054e+03
##	1346	1347	1348	1349	1350
##	3.948946e+03	3.841580e+03	3.794950e+03	3.916280e+03	4.082189e+03
##	1351	1352	1353	1354	1355
##	3.683254e+03	3.587815e+03	3.080153e+03	3.272803e+03	3.638987e+03
##	1356	1357	1358	1359	1360
##	3.046349e+03	3.484226e+03	2.771232e+03	3.320461e+03	2.554678e+03
##	1361	1362	1363	1364	1365
##	3.381276e+03	4.566885e+03	4.986990e+03	2.382293e+03	2.558091e+03
##	1366	1367	1368	1369	1370

##	2.847853e+03	2.830153e+03	2.803253e+03	2.827049e+03	2.818847e+03
##	1371	1372	1373	1374	1375
##	2.814749e+03	3.540424e+03	3.209469e+03	3.154156e+03	3.449196e+03
##	1376	1377	1378	1379	1380
##	3.046375e+03	3.919591e+03	3.895628e+03	3.145225e+03	3.673053e+03
##	1381	1382	1383	1384	1385
##	-1.123310e+03	-1.088123e+03	-1.165265e+03	4.130183e+02	2.491942e+02
##	1386	1387	1388	1389	1390
##	3.037104e+02	2.935581e+02	6.919828e+02	7.117219e+02	6.739742e+02
##	1391	1392	1393	1394	1395
##	7.035320e+02	7.181986e+02	1.396979e+02	1.622625e+02	1.054518e+03
##	1396	1397	1398	1399	1400
##	1.040718e+03	1.074708e+03	1.035022e+03	1.044178e+03	7.635698e+02
##	1401	1402	1403	1404	1405
##	7.656093e+02	8.581207e+02	9.378885e+02	1.232471e+03	1.332532e+03
##	1406	1407	1408	1409	1410
##	5.146457e+02	3.443185e+02	-4.720667e+02	2.123979e+02	2.549557e+02
##	1411	1412	1413	1414	1415
##	3.320675e+03	4.042179e+03	1.505818e+03	3.801190e+03	3.918870e+03
##	1416	1417	1418	1419	1420
##	3.534251e+03	4.197355e+03	2.791399e+03	3.753682e+03	3.592216e+03
##	1421	1422	1423	1424	1425
##	4.194837e+03	3.557069e+03	3.495237e+03	3.850218e+03	3.849530e+03
##	1426	1427	1428	1429	1430
##	4.209480e+03	3.767106e+03	2.824586e+03	3.994661e+03	1.509951e+03
##	1431	1432	1433	1434	1435
##	4.068052e+03	2.967156e+03	4.017038e+03	3.878468e+03	3.651798e+03
##	1436	1437	1438	1439	1440
##	3.998108e+03	3.645281e+03	3.659824e+03	4.028463e+03	3.513866e+03
##	1441	1442	1443	1444	1445
##	3.765843e+03	4.109942e+03	2.942215e+03	3.900146e+03	3.783305e+03
##	1446	1447	1448	1449	1450
##	4.027617e+03	3.508470e+03	3.749487e+03	3.213756e+03	2.692573e+03
##	1451	1452	1453	1454	1455
##	4.040108e+03	3.911946e+03	4.275906e+03	3.008666e+03	4.084287e+03
##	1456	1457	1458	1459	1460
##	3.986572e+03	2.992632e+03	2.596993e+03	3.840377e+03	3.626523e+03
##	1461	1462	1463	1464	1465
##	3.277227e+03	3.684562e+03	2.987605e+03	3.837451e+03	3.691171e+03
##	1466	1467	1468	1469	1470
##	2.552764e+03	2.633960e+03	3.601403e+03	4.220948e+03	2.828491e+03
##	1471	1472	1473	1474	1475
##	3.735660e+03	3.525376e+03	3.575823e+03	4.001013e+03	3.100394e+03
##	1476	1477	1478	1479	1480
##	1.480292e+03	3.758977e+03	3.445012e+03	4.063727e+03	4.178405e+03
##	1481	1482	1483	1484	1485
##	3.656896e+03	3.743412e+03	3.056229e+03	3.673281e+03	3.635177e+03
##	1486	1487	1488	1489	1490
##	3.564866e+03	3.814634e+03	1.821105e+03	3.970278e+03	3.793045e+03
##	1491	1492	1493	1494	1495
##	4.301475e+03	3.804354e+03	3.700172e+03	2.996275e+03	3.840814e+03
##	1496	1497	1498	1499	1500
##	3.853310e+03	3.529076e+03	4.012589e+03	2.080622e+03	4.037491e+03
##	1501	1502	1503	1504	1505

##	2.722155e+03	3.364712e+03	4.069265e+03	3.945917e+03	3.508123e+03
##	1506	1507	1508	1509	1510
##	3.398590e+03	4.608645e+03	3.606032e+03	3.712977e+03	4.195036e+03
##	1511	1512	1513	1514	1515
##	2.005352e+03	4.231777e+03	3.148752e+03	3.549963e+03	3.697022e+03
##	1516	1517	1518	1519	1520
##	3.101858e+03	4.139350e+03	3.876800e+03	2.770537e+03	2.477079e+03
##	1521	1522	1523	1524	1525
##	3.786770e+03	3.359874e+03	3.894892e+03	3.952504e+03	3.961730e+03
##	1526	1527	1528	1529	1530
##	3.701222e+03	3.824223e+03	5.853916e+02	3.382915e+03	3.111044e+03
##	1531	1532	1533	1534	1535
##	3.903282e+03	4.104987e+03	4.119029e+03	3.934295e+03	3.625045e+03
##	1536	1537	1538	1539	1540
##	3.110628e+03	2.448075e+03	2.472251e+03	2.603216e+03	3.312884e+03
##	1541	1542	1543	1544	1545
##	4.032765e+03	3.795274e+03	4.012578e+03	3.270889e+03	3.918632e+03
##	1546	1547	1548	1549	1550
##	4.023994e+03	2.602140e+03	3.806114e+03	2.680527e+03	3.714717e+03
##	1551	1552	1553	1554	1555
##	4.253929e+03	4.114470e+03	3.135472e+03	3.558622e+03	4.147039e+03
##	1556	1557	1558	1559	1560
##	4.004178e+03	3.804643e+03	3.910182e+03	3.244033e+03	3.220274e+03
##	1561	1562	1563	1564	1565
##	3.482875e+03	3.114904e+03	4.047668e+03	3.328262e+03	3.153335e+03
##	1566	1567	1568	1569	1570
##	3.004812e+03	2.930105e+03	3.841615e+03	2.545267e+03	3.532895e+03
##	1571	1572	1573	1574	1575
##	3.904819e+03	3.851381e+03	3.242171e+03	3.184591e+03	3.184164e+03
##	1576	1577	1578	1579	1580
##	4.344744e+03	2.927268e+03	2.917612e+03	2.861220e+03	2.854389e+03
##	1581	1582	1583	1584	1585
##	2.904304e+03	3.771493e+03	4.617633e+03	4.104613e+03	3.402037e+03
##	1586	1587	1588	1589	1590
##	3.603649e+03	4.087021e+03	3.870689e+03	3.962527e+03	3.880250e+03
##	1591	1592	1593	1594	1595
##	3.280244e+03	4.103253e+03	3.990698e+03	3.546135e+03	4.145302e+03
##	1596	1597	1598	1599	1600
##	3.855287e+03	1.444931e+03	8.046949e+02	1.538530e+03	1.727000e+03
##	1601	1602	1603	1604	1605
##	3.648564e+03	3.616617e+03	3.600895e+03	3.604420e+03	3.570506e+03
##	1606	1607	1608	1609	1610
##	2.880690e+03	2.746859e+03	2.730468e+03	3.953789e+03	3.913808e+03
##	1611	1612	1613	1614	1615
##	3.085174e+03	3.578412e+03	3.238718e+03	3.256033e+03	3.730417e+03
##	1616	1617	1618	1619	1620
##	3.905194e+03	3.973705e+03	3.978731e+03	3.025603e+03	3.040275e+03
##	1621	1622	1623	1624	1625
##	4.925147e+03	3.720194e+03	3.742312e+03	3.383821e+03	1.641594e+03
##	1626	1627	1628	1629	1630
##	3.154862e+03	2.890645e+03	3.744326e+03	4.300871e+03	3.089002e+03
##	1631	1632	1633	1634	1635
##	3.889227e+03	3.837731e+03	3.936561e+03	3.401891e+03	3.429717e+03
##	1636	1637	1638	1639	1640

##	4.161767e+03	3.042089e+03	3.569413e+03	3.849692e+03	2.691985e+03
##	1641	1642	1643	1644	1645
##	3.725017e+03	2.487384e+03	2.589393e+03	4.061461e+03	1.935661e+03
##	1646	1647	1648	1649	1650
##	4.104677e+03	4.340273e+03	3.035605e+03	3.682517e+03	4.728084e+03
##	1651	1652	1653	1654	1655
##	4.040460e+03	4.163103e+03	3.781525e+03	3.835828e+03	4.041849e+03
##	1656	1657	1658	1659	1660
##	3.177553e+03	3.889289e+03	4.112677e+03	2.728448e+03	2.871307e+03
##	1661	1662	1663	1664	1665
##	3.901042e+03	3.078098e+03	2.842279e+03	3.683544e+03	3.076143e+03
##	1666	1667	1668	1669	1670
##	3.658409e+03	3.333562e+03	3.307987e+03	3.581626e+03	3.613335e+03
##	1671	1672	1673	1674	1675
##	4.061810e+03	3.318267e+03	3.439759e+03	3.739828e+03	4.068332e+03
##	1676	1677	1678	1679	1680
##	2.794105e+03	3.526596e+03	4.526208e+03	3.855546e+03	4.164591e+03
##	1681	1682	1683	1684	1685
##	3.780349e+03	3.597916e+03	3.543760e+03	3.757640e+03	1.749277e+03
##	1686	1687	1688	1689	1690
##	3.982928e+03	3.102441e+03	3.800636e+03	3.961492e+03	3.558220e+03
##	1691	1692	1693	1694	1695
##	3.277902e+03	3.528795e+03	3.657539e+03	3.506395e+03	3.377772e+03
##	1696	1697	1698	1699	1700
##	3.970388e+03	2.644139e+03	2.421265e+03	3.698969e+03	3.661024e+03
##	1701	1702	1703	1704	1705
##	3.766196e+03	3.794361e+03	3.926948e+03	3.311110e+03	4.313023e+03
##	1706	1707	1708	1709	1710
##	4.026410e+03	3.496753e+03	3.776697e+03	3.666972e+03	4.008912e+03
##	1711	1712	1713	1714	1715
##	-1.705405e+02	4.004954e+02	-1.419199e+03	3.077883e+02	5.058258e+02
##	1716	1717	1718	1719	1720
##	3.480659e+02	7.032258e+01	4.009556e+02	1.904551e+02	-4.228395e+01
##	1721	1722	1723	1724	1725
##	5.012211e+02	5.231220e+02	4.492210e+02	1.663751e+02	1.321032e+02
##	1726	1727	1728	1729	1730
##	3.591701e+02	1.859101e+02	8.057097e+01	4.529230e+02	1.397429e+02
##	1731	1732	1733	1734	1735
##	1.648088e+02	-7.244860e-01	4.647305e+02	3.605289e+02	-1.609347e+02
##	1736	1737	1738	1739	1740
##	2.676751e+02	3.329543e+02	4.456151e+02	2.813791e+02	3.257223e+02
##	1741	1742	1743	1744	1745
##	3.183604e+03	3.410677e+03	2.899077e+03	3.308174e+03	3.969794e+03
##	1746	1747	1748	1749	1750
##	2.933271e+03	3.732668e+03	2.598755e+03	3.927755e+03	3.975312e+03
##	1751	1752	1753	1754	1755
##	4.022662e+03	3.581368e+03	4.080225e+03	4.158515e+03	3.798739e+03
##	1756	1757	1758	1759	1760
##	2.487017e+03	3.460752e+03	3.863649e+03	3.934253e+03	3.896991e+03
##	1761	1762	1763	1764	1765
##	3.562536e+03	3.840372e+03	3.963127e+03	4.790502e+03	3.472364e+03
##	1766	1767	1768	1769	1770
##	3.510348e+03	3.763338e+03	3.622178e+03	3.602681e+03	3.515961e+03
##	1771	1772	1773	1774	1775

##	3.517150e+03	2.832809e+03	3.921125e+03	3.615879e+03	4.002609e+03
##	1776	1777	1778	1779	1780
##	3.010418e+03	3.820775e+03	4.004627e+03	3.593447e+03	3.287458e+03
##	1781	1782	1783	1784	1785
##	3.340041e+03	3.571676e+03	4.152349e+03	3.241290e+03	3.720717e+03
##	1786	1787	1788	1789	1790
##	3.755573e+03	2.847567e+03	2.892314e+03	2.936118e+03	3.010159e+03
##	1791	1792	1793	1794	1795
##	1.921011e+03	3.926427e+03	3.794682e+03	4.161620e+03	3.980363e+03
##	1796	1797	1798	1799	1800
##	4.803837e+03	3.688117e+03	3.621638e+03	3.707271e+03	3.761043e+03
##	1801	1802	1803	1804	1805
##	3.042501e+03	2.823203e+03	3.484256e+03	3.656788e+03	4.361220e+03
##	1806	1807	1808	1809	1810
##	4.317745e+03	3.837506e+03	3.977827e+03	3.902750e+03	3.426252e+03
##	1811	1812	1813	1814	1815
##	2.631042e+03	2.542192e+03	3.650189e+03	4.029889e+03	3.603610e+03
##	1816	1817	1818	1819	1820
##	3.487187e+03	3.603075e+03	2.428989e+03	4.063200e+03	3.296745e+03
##	1821	1822	1823	1824	1825
##	4.128552e+03	2.373577e+03	2.422809e+03	3.580845e+03	3.890368e+03
##	1826	1827	1828	1829	1830
##	3.157370e+03	3.937726e+03	2.979688e+03	3.936926e+03	1.931432e+03
##	1831	1832	1833	1834	1835
##	3.263152e+03	3.845707e+03	3.918070e+03	3.940080e+03	2.487795e+03
##	1836	1837	1838	1839	1840
##	2.893339e+03	2.323194e+03	3.346368e+03	4.208037e+03	3.438154e+03
##	1841	1842	1843	1844	1845
##	2.686215e+03	3.586787e+03	3.546985e+03	3.688161e+03	3.884312e+03
##	1846	1847	1848	1849	1850
##	3.880560e+03	3.653670e+03	3.860657e+03	3.958969e+03	3.602980e+03
##	1851	1852	1853	1854	1855
##	3.616191e+03	2.886523e+03	3.656734e+03	3.718753e+03	3.553940e+03
##	1856	1857	1858	1859	1860
##	3.447616e+03	3.323481e+03	3.980628e+03	3.943093e+03	2.863817e+03
##	1861	1862	1863	1864	1865
##	2.831277e+03	3.760490e+03	3.215934e+03	3.750730e+03	3.725123e+03
##	1866	1867	1868	1869	1870
##	3.658646e+03	3.667642e+03	3.546479e+03	2.838184e+03	1.543438e+03
##	1871	1872	1873	1874	1875
##	3.467493e+03	3.718588e+03	3.856906e+03	3.997117e+03	3.650502e+03
##	1876	1877	1878	1879	1880
##	4.147542e+03	3.825533e+03	3.730318e+03	3.427033e+03	1.930308e+03
##	1881	1882	1883	1884	1885
##	3.516927e+03	3.960514e+03	3.942999e+03	3.846016e+03	4.245822e+03
##	1886	1887	1888	1889	1890
##	3.904883e+03	3.866308e+03	2.055174e+03	3.157063e+03	3.781217e+03
##	1891	1892	1893	1894	1895
##	2.910555e+03	3.736899e+03	3.788656e+03	3.702077e+03	3.693120e+03
##	1896	1897	1898	1899	1900
##	3.886697e+03	2.996246e+03	3.791579e+03	3.455706e+03	3.688945e+03
##	1901	1902	1903	1904	1905
##	3.318673e+03	4.276700e+03	2.523085e+03	3.133816e+03	1.929044e+03
##	1906	1907	1908	1909	1910

##	1.275223e+03	3.627764e+03	3.873319e+03	3.676527e+03	3.887066e+03
##	1911	1912	1913	1914	1915
##	2.977124e+03	2.997502e+03	2.978663e+03	4.010191e+03	3.784714e+03
##	1916	1917	1918	1919	1920
##	3.990290e+03	3.652887e+03	3.971010e+03	3.649255e+03	3.631844e+03
##	1921	1922	1923	1924	1925
##	3.650525e+03	3.447304e+03	3.819630e+03	4.090491e+03	3.814414e+03
##	1926	1927	1928	1929	1930
##	3.730135e+03	3.106932e+03	3.786860e+03	3.917384e+03	3.953394e+03
##	1931	1932	1933	1934	1935
##	3.882127e+03	2.157895e+03	3.844990e+03	3.039030e+03	3.639299e+03
##	1936	1937	1938	1939	1940
##	4.122709e+03	3.833084e+03	3.512536e+03	3.646277e+03	3.682780e+03
##	1941	1942	1943	1944	1945
##	3.680959e+03	2.928576e+03	2.865047e+03	3.779015e+03	3.801701e+03
##	1946	1947	1948	1949	1950
##	4.180634e+03	3.692847e+03	2.830590e+03	4.031862e+03	3.553686e+03
##	1951	1952	1953	1954	1955
##	3.191588e+03	4.406757e+03	3.547110e+03	3.561401e+03	4.026635e+03
##	1956	1957	1958	1959	1960
##	3.600046e+03	3.533831e+03	4.169593e+03	2.218659e+03	2.629141e+03
##	1961	1962	1963	1964	1965
##	4.249310e+03	2.933972e+03	3.082495e+03	3.043895e+03	3.032981e+03
##	1966	1967	1968	1969	1970
##	3.081466e+03	3.044513e+03	3.021711e+03	4.210322e+03	3.370050e+03
##	1971	1972	1973	1974	1975
##	3.579043e+03	4.115499e+03	3.833258e+03	3.179751e+03	3.573176e+03
##	1976	1977	1978	1979	1980
##	3.739016e+03	3.506383e+03	3.783899e+03	3.871142e+03	3.893812e+03
##	1981	1982	1983	1984	1985
##	3.679178e+03	3.641402e+03	4.158089e+03	4.461375e+03	4.110761e+03
##	1986	1987	1988	1989	1990
##	3.804642e+03	3.568286e+03	3.912511e+03	3.986099e+03	3.771768e+03
##	1991	1992	1993	1994	1995
##	3.794636e+03	3.917614e+03	3.729293e+03	2.527732e+03	3.894714e+03
##	1996	1997	1998	1999	2000
##	2.926577e+03	3.240531e+03	3.150388e+03	2.458546e+03	4.006950e+03
##	2001	2002	2003	2004	2005
##	3.821240e+03	2.853166e+03	4.659473e+03	3.093527e+03	3.504060e+03
##	2006	2007	2008	2009	2010
##	3.292811e+03	3.507676e+03	3.885245e+03	2.675395e+03	3.282004e+03
##	2011	2012	2013	2014	2015
##	4.223600e+03	3.746401e+03	3.781926e+03	4.011208e+03	4.222125e+03
##	2016	2017	2018	2019	2020
##	2.808458e+03	2.747464e+03	2.545816e+03	4.118558e+03	3.392157e+03
##	2021	2022	2023	2024	2025
##	3.410597e+03	2.811109e+03	2.911317e+03	2.827663e+03	6.738714e+03
##	2026	2027	2028	2029	2030
##	6.738714e+03	3.299059e+03	2.076124e+03	3.549665e+03	4.046405e+03
##	2031	2032	2033	2034	2035
##	2.866366e+03	4.037456e+03	2.874213e+03	2.756267e+03	4.286972e+03
##	2036	2037	2038	2039	2040
##	3.878221e+03	3.591187e+03	3.861982e+03	3.974146e+03	3.804854e+03
##	2041	2042	2043	2044	2045

##	-1.744554e+02	1.678682e+02	3.106786e+02	3.304153e+02	1.897255e+02
##	2046	2047	2048	2049	2050
##	2.698274e+02	1.787766e+02	3.712925e+01	4.425314e+02	2.955080e+02
##	2051	2052	2053	2054	2055
##	-1.780613e+02	4.992906e+01	3.835593e+02	3.176070e+02	-1.719485e+01
##	2056	2057	2058	2059	2060
##	2.911329e+02	1.516066e+02	-1.885728e+01	1.638868e+02	4.902166e+02
##	2061	2062	2063	2064	2065
##	6.481375e+02	1.665660e+02	5.871702e+01	3.137428e+02	4.268549e+01
##	2066	2067	2068	2069	2070
##	1.495068e+02	3.959904e+02	1.233065e+02	2.918190e+02	3.982176e+00
##	2071	2072	2073	2074	2075
##	4.013358e+03	3.691179e+03	3.356500e+03	3.981909e+03	4.033906e+03
##	2076	2077	2078	2079	2080
##	3.607339e+03	3.848885e+03	3.869602e+03	3.838936e+03	4.211897e+03
##	2081	2082	2083	2084	2085
##	4.003890e+03	1.063098e+03	4.044977e+03	3.718007e+03	3.990608e+03
##	2086	2087	2088	2089	2090
##	4.009465e+03	3.172902e+03	3.961619e+03	3.976155e+03	3.939079e+03
##	2091	2092	2093	2094	2095
##	3.749514e+03	4.085184e+03	3.962293e+03	3.743082e+03	2.831122e+03
##	2096	2097	2098	2099	2100
##	3.440292e+03	3.931413e+03	4.001280e+03	2.824764e+03	3.849464e+03
##	2101	2102	2103	2104	2105
##	3.519533e+03	3.411601e+03	2.740737e+03	4.114488e+03	4.531803e+03
##	2106	2107	2108	2109	2110
##	3.512104e+03	3.486608e+03	3.677279e+03	3.967179e+03	1.891397e+03
##	2111	2112	2113	2114	2115
##	3.992443e+03	3.924737e+03	4.475480e+03	4.330905e+03	3.106195e+03
##	2116	2117	2118	2119	2120
##	3.014866e+03	3.020394e+03	2.640010e+03	1.753515e+03	2.991269e+03
##	2121	2122	2123	2124	2125
##	4.086403e+03	3.390213e+03	4.263190e+03	3.931767e+03	3.353318e+03
##	2126	2127	2128	2129	2130
##	3.342392e+03	3.378803e+03	3.746472e+03	3.031451e+03	3.079587e+03
##	2131	2132	2133	2134	2135
##	3.073829e+03	3.340380e+03	3.457537e+03	4.160879e+03	3.704396e+03
##	2136	2137	2138	2139	2140
##	3.803694e+03	3.788270e+03	3.803139e+03	3.810008e+03	3.789352e+03
##	2141	2142	2143	2144	2145
##	3.163073e+03	3.236775e+03	4.079891e+03	3.667319e+03	2.916398e+03
##	2146	2147	2148	2149	2150
##	3.327306e+03	3.417017e+03	4.288887e+03	3.541106e+03	2.641431e+03
##	2151	2152	2153	2154	2155
##	3.589660e+03	3.579907e+03	4.337007e+03	4.289441e+03	3.802195e+03
##	2156	2157	2158	2159	2160
##	3.140146e+03	3.889522e+03	4.162942e+03	2.611209e+03	3.500253e+03
##	2161	2162	2163	2164	2165
##	3.420994e+03	3.167826e+03	3.152991e+03	3.129748e+03	3.666679e+03
##	2166	2167	2168	2169	2170
##	3.827468e+03	3.172690e+03	3.403739e+03	3.833711e+03	4.198280e+03
##	2171	2172	2173	2174	2175
##	2.594336e+03	3.960621e+03	3.976997e+03	4.161918e+03	4.529460e+03
##	2176	2177	2178	2179	2180

##	4.075696e+03	4.118558e+03	3.859593e+03	4.109489e+03	4.067359e+03
##	2181	2182	2183	2184	2185
##	1.913512e+03	4.252452e+03	3.867564e+03	3.867564e+03	4.272692e+03
##	2186	2187	2188	2189	2190
##	1.244687e+03	3.885665e+03	3.706564e+03	3.707393e+03	3.969516e+03
##	2191	2192	2193	2194	2195
##	5.312612e+03	3.703441e+03	3.490766e+03	3.853375e+03	3.708491e+03
##	2196	2197	2198	2199	2200
##	3.532893e+03	3.519603e+03	3.706670e+03	4.219416e+03	3.215669e+03
##	2201	2202	2203	2204	2205
##	4.162709e+03	3.712327e+03	3.509342e+03	3.521954e+03	1.290475e+03
##	2206	2207	2208	2209	2210
##	2.002059e+03	2.506829e+03	4.549391e+03	3.664271e+03	3.322734e+03
##	2211	2212	2213	2214	2215
##	4.165377e+03	4.336818e+03	3.461451e+03	4.218339e+03	3.215352e+03
##	2216	2217	2218	2219	2220
##	3.974535e+03	3.683849e+03	3.823859e+03	4.131031e+03	3.370665e+03
##	2221	2222	2223	2224	2225
##	4.299012e+03	3.099725e+03	2.908829e+03	2.871963e+03	3.714505e+03
##	2226	2227	2228	2229	2230
##	2.815433e+03	3.588059e+03	3.539038e+03	3.534589e+03	3.110960e+03
##	2231	2232	2233	2234	2235
##	4.324568e+03	3.785118e+03	3.986044e+03	3.876153e+03	3.528208e+03
##	2236	2237	2238	2239	2240
##	4.078494e+03	3.195283e+03	3.724012e+03	3.937832e+03	3.721679e+03
##	2241	2242	2243	2244	2245
##	3.881087e+03	4.017340e+03	3.711788e+03	4.254370e+03	3.746754e+03
##	2246	2247	2248	2249	2250
##	3.726813e+03	5.140578e+03	3.420792e+03	2.394958e+03	1.853229e+03
##	2251	2252	2253	2254	2255
##	2.732273e+03	3.968758e+03	3.608144e+03	4.065620e+03	3.945510e+03
##	2256	2257	2258	2259	2260
##	3.772981e+03	3.715882e+03	3.651310e+03	4.148765e+03	3.676044e+03
##	2261	2262	2263	2264	2265
##	3.755402e+03	3.952699e+03	3.579814e+03	4.186476e+03	3.916999e+03
##	2266	2267	2268	2269	2270
##	3.811854e+03	2.960152e+03	3.537697e+03	3.639353e+03	4.033804e+03
##	2271	2272	2273	2274	2275
##	3.894942e+03	3.920580e+03	2.046567e+03	3.168526e+03	4.463292e+03
##	2276	2277	2278	2279	2280
##	3.923873e+03	2.443283e+03	3.878291e+03	4.265601e+03	3.273013e+03
##	2281	2282	2283	2284	2285
##	4.367712e+03	4.261044e+03	2.913122e+03	3.775148e+03	2.770228e+03
##	2286	2287	2288	2289	2290
##	2.968356e+03	2.810354e+03	2.862003e+03	3.284778e+03	2.898914e+03
##	2291	2292	2293	2294	2295
##	2.965961e+03	3.321811e+03	3.736269e+03	3.799740e+03	3.761647e+03
##	2296	2297	2298	2299	2300
##	3.921134e+03	3.841419e+03	4.008532e+03	3.721716e+03	3.260362e+03
##	2301	2302	2303	2304	2305
##	3.004340e+03	3.867160e+03	3.698409e+03	3.692556e+03	4.297094e+03
##	2306	2307	2308	2309	2310
##	3.773735e+03	3.187840e+03	3.146633e+03	3.053455e+03	4.107095e+03
##	2311	2312	2313	2314	2315

##	4.029471e+03	3.801287e+03	4.244246e+03	3.097952e+03	1.415197e+03
##	2316	2317	2318	2319	2320
##	4.199592e+03	3.369906e+03	3.986212e+03	3.090711e+03	4.388514e+03
##	2321	2322	2323	2324	2325
##	3.987818e+03	3.968569e+03	3.278156e+03	1.149057e+03	2.639576e+03
##	2326	2327	2328	2329	2330
##	3.372516e+03	1.577855e+03	3.780616e+03	3.599362e+03	3.832673e+03
##	2331	2332	2333	2334	2335
##	2.668248e+03	2.785641e+03	3.563536e+03	3.514828e+03	4.113851e+03
##	2336	2337	2338	2339	2340
##	4.232516e+03	4.495367e+03	4.231664e+03	4.206138e+03	3.934274e+03
##	2341	2342	2343	2344	2345
##	3.778855e+03	4.042689e+03	4.060019e+03	3.261955e+03	3.915415e+03
##	2346	2347	2348	2349	2350
##	3.873418e+03	1.527355e+03	1.424761e+03	4.221391e+03	3.427377e+03
##	2351	2352	2353	2354	2355
##	3.722037e+03	3.960284e+03	2.927285e+03	2.940378e+03	4.438884e+03
##	2356	2357	2358	2359	2360
##	3.119883e+03	3.455921e+03	3.065830e+03	3.888298e+03	3.627876e+03
##	2361	2362	2363	2364	2365
##	3.548701e+03	3.747390e+03	3.422573e+03	3.413285e+03	3.577063e+03
##	2366	2367	2368	2369	2370
##	2.533997e+03	4.831119e+03	3.379029e+03	3.246254e+03	4.303904e+03
##	2371	2372	2373	2374	2375
##	-9.106230e+02	3.199048e+02	4.190903e+02	2.776771e+02	4.419131e+02
##	2376	2377	2378	2379	2380
##	1.025572e+02	2.942308e+01	8.149968e+00	3.160276e+02	3.540693e+02
##	2381	2382	2383	2384	2385
##	3.504127e+02	3.692586e+02	8.783352e+01	-2.454812e+01	-6.055079e+00
##	2386	2387	2388	2389	2390
##	-1.403785e+03	3.328636e+02	4.179820e+02	3.182931e+02	4.587814e+02
##	2391	2392	2393	2394	2395
##	4.396606e+02	1.256043e+02	2.665050e+02	4.228376e+02	1.671389e+02
##	2396	2397	2398	2399	2400
##	4.648266e+02	3.585064e+02	2.806793e+02	8.747213e+02	4.000871e+02
##	2401	2402	2403	2404	2405
##	3.676372e+03	2.466804e+03	3.798591e+03	4.254883e+03	3.773955e+03
##	2406	2407	2408	2409	2410
##	3.205931e+03	4.243019e+03	4.058458e+03	4.058579e+03	4.022301e+03
##	2411	2412	2413	2414	2415
##	3.854672e+03	6.097340e+03	3.858981e+03	3.312302e+03	3.681555e+03
##	2416	2417	2418	2419	2420
##	3.796645e+03	3.840312e+03	3.807316e+03	3.127442e+03	3.159673e+03
##	2421	2422	2423	2424	2425
##	4.008846e+03	1.685624e+03	3.925077e+03	3.822856e+03	2.829917e+03
##	2426	2427	2428	2429	2430
##	3.915176e+03	3.988648e+03	3.955503e+03	4.115438e+03	4.359092e+03
##	2431	2432	2433	2434	2435
##	4.367543e+03	3.108762e+03	1.623739e+03	3.573890e+03	3.883391e+03
##	2436	2437	2438	2439	2440
##	4.013118e+03	3.765794e+03	4.074697e+03	3.256656e+03	3.202901e+03
##	2441	2442	2443	2444	2445
##	3.222143e+03	3.992398e+03	4.485196e+03	2.795405e+03	2.984274e+03
##	2446	2447	2448	2449	2450

##	3.671947e+03	2.595261e+03	3.487348e+03	4.376268e+03	3.658502e+03
##	2451	2452	2453	2454	2455
##	3.556108e+03	3.320980e+03	2.980730e+03	4.011424e+03	3.503198e+03
##	2456	2457	2458	2459	2460
##	3.496412e+03	4.001807e+03	4.109259e+03	4.292503e+03	3.534309e+03
##	2461	2462	2463	2464	2465
##	3.308842e+03	4.160854e+03	4.093122e+03	4.283573e+03	3.716225e+03
##	2466	2467	2468	2469	2470
##	3.723010e+03	4.571693e+03	4.282988e+03	4.067359e+03	3.903462e+03
##	2471	2472	2473	2474	2475
##	3.930500e+03	3.692796e+03	4.129933e+03	4.488567e+03	3.473060e+03
##	2476	2477	2478	2479	2480
##	3.980601e+03	2.999638e+03	4.146705e+03	4.542013e+03	3.603772e+03
##	2481	2482	2483	2484	2485
##	3.856078e+03	4.182045e+03	2.675110e+03	3.188674e+03	4.353773e+03
##	2486	2487	2488	2489	2490
##	3.552490e+03	3.851600e+03	4.132537e+03	4.196679e+03	4.623390e+03
##	2491	2492	2493	2494	2495
##	4.635237e+03	3.436635e+03	3.407736e+03	3.842881e+03	3.440370e+03
##	2496	2497	2498	2499	2500
##	2.882032e+03	4.264162e+03	4.795229e+03	3.945299e+03	3.850977e+03
##	2501	2502	2503	2504	2505
##	4.021120e+03	4.092047e+03	4.105095e+03	3.522905e+03	1.731564e+03
##	2506	2507	2508	2509	2510
##	3.940648e+03	4.056854e+03	1.940987e+03	3.899299e+03	3.186941e+03
##	2511	2512	2513	2514	2515
##	1.270118e+03	4.068889e+03	3.893559e+03	3.831297e+03	3.744658e+03
##	2516	2517	2518	2519	2520
##	3.647224e+03	3.658661e+03	3.880271e+03	3.950948e+03	4.126078e+03
##	2521	2522	2523	2524	2525
##	3.888396e+03	1.333259e+03	1.452288e+03	4.003988e+03	4.163549e+03
##	2526	2527	2528	2529	2530
##	4.681642e+03	2.696503e+03	4.154950e+03	2.203961e+03	4.086306e+03
##	2531	2532	2533	2534	2535
##	4.083436e+03	3.827796e+03	3.831694e+03	3.061689e+03	3.081473e+03
##	2536	2537	2538	2539	2540
##	3.171167e+03	3.069453e+03	3.049401e+03	3.902700e+03	3.954334e+03
##	2541	2542	2543	2544	2545
##	3.965867e+03	4.085977e+03	4.005039e+03	3.642174e+03	3.728815e+03
##	2546	2547	2548	2549	2550
##	3.741120e+03	4.062383e+03	4.041481e+03	3.439386e+03	3.618541e+03
##	2551	2552	2553	2554	2555
##	4.105877e+03	3.974851e+03	4.051452e+03	2.947131e+03	3.246629e+03
##	2556	2557	2558	2559	2560
##	3.872229e+03	4.042675e+03	3.979182e+03	4.053947e+03	3.219420e+03
##	2561	2562	2563	2564	2565
##	4.386908e+03	4.238831e+03	3.812832e+03	3.630217e+03	3.363861e+03
##	2566	2567	2568	2569	2570
##	3.615463e+03	3.337349e+03	2.964933e+03	3.470091e+03	4.023813e+03
##	2571	2572	2573	2574	2575
##	4.161822e+03	4.458499e+03	3.958683e+03	3.587882e+03	3.895638e+03
##	2576	2577	2578	2579	2580
##	4.089431e+03	4.114033e+03	3.320608e+03	3.915503e+03	3.931508e+03
##	2581	2582	2583	2584	2585

##	3.937237e+03	4.235056e+03	3.369744e+03	3.827286e+03	3.906566e+03
##	2586	2587	2588	2589	2590
##	3.334711e+03	4.370518e+03	3.656368e+03	3.902491e+03	3.951670e+03
##	2591	2592	2593	2594	2595
##	3.777179e+03	3.214661e+03	3.802809e+03	3.798770e+03	3.770177e+03
##	2596	2597	2598	2599	2600
##	4.060178e+03	3.110529e+03	3.908888e+03	3.493870e+03	3.617787e+03
##	2601	2602	2603	2604	2605
##	3.500183e+03	3.920777e+03	3.907352e+03	3.915086e+03	4.024386e+03
##	2606	2607	2608	2609	2610
##	4.086214e+03	3.448921e+03	3.445416e+03	4.211594e+03	3.895872e+03
##	2611	2612	2613	2614	2615
##	5.228779e+03	3.767280e+03	3.951537e+03	3.024048e+03	3.830813e+03
##	2616	2617	2618	2619	2620
##	4.356128e+03	4.880213e+03	2.516033e+03	3.741674e+03	3.569865e+03
##	2621	2622	2623	2624	2625
##	4.139562e+03	4.263052e+03	4.096494e+03	4.139375e+03	4.292909e+03
##	2626	2627	2628	2629	2630
##	3.674192e+03	3.644586e+03	2.800603e+03	3.590473e+03	4.075949e+03
##	2631	2632	2633	2634	2635
##	3.855620e+03	3.973710e+03	4.089892e+03	4.112389e+03	3.318951e+03
##	2636	2637	2638	2639	2640
##	3.315558e+03	3.311841e+03	3.298432e+03	3.026085e+03	3.692557e+03
##	2641	2642	2643	2644	2645
##	4.266690e+03	1.486640e+03	3.817722e+03	4.118172e+03	4.636300e+03
##	2646	2647	2648	2649	2650
##	3.418639e+03	4.029263e+03	4.167937e+03	3.579122e+03	2.349135e+03
##	2651	2652	2653	2654	2655
##	4.026561e+03	2.264852e+03	4.062637e+03	3.967620e+03	4.072470e+03
##	2656	2657	2658	2659	2660
##	4.402888e+03	3.958863e+03	4.097415e+03	3.896657e+03	3.620561e+03
##	2661	2662	2663	2664	2665
##	4.205443e+03	3.839605e+03	3.562259e+03	3.808224e+03	4.108779e+03
##	2666	2667	2668	2669	2670
##	2.865163e+03	4.584073e+03	3.973727e+03	3.624817e+03	3.973811e+03
##	2671	2672	2673	2674	2675
##	3.483382e+03	4.298864e+03	4.074566e+03	4.038952e+03	3.934248e+03
##	2676	2677	2678	2679	2680
##	4.106259e+03	4.121041e+03	3.403777e+03	3.645086e+03	4.170671e+03
##	2681	2682	2683	2684	2685
##	3.791159e+03	4.063649e+03	3.166609e+03	3.775208e+03	4.261225e+03
##	2686	2687	2688	2689	2690
##	3.904694e+03	3.837137e+03	3.912593e+03	3.235436e+03	3.933143e+03
##	2691	2692	2693	2694	2695
##	3.530960e+03	3.730998e+03	3.488424e+03	3.821558e+03	3.248165e+03
##	2696	2697	2698	2699	2700
##	3.391164e+03	3.214227e+03	3.462448e+03	1.974795e+03	3.135860e+03
##	2701	2702	2703	2704	2705
##	3.831680e+02	4.243087e+02	4.225555e+02	3.865210e+02	4.200337e+02
##	2706	2707	2708	2709	2710
##	2.768957e+02	2.495450e+02	-1.237167e+03	1.118378e+03	6.980465e+02
##	2711	2712	2713	2714	2715
##	-1.642258e+02	6.018060e+00	3.283137e+02	4.749092e+02	-5.365804e+02
##	2716	2717	2718	2719	2720

##	-5.218250e+02	-2.502973e+01	-4.147193e+01	-2.296961e+02	9.171929e+02
##	2721	2722	2723	2724	2725
##	1.049818e+03	9.292744e+02	8.452908e+02	8.270973e+02	7.048446e+02
##	2726	2727	2728	2729	2730
##	-8.511935e+02	2.513814e+02	2.567458e+02	2.901988e+02	2.800655e+02
##	2731	2732	2733	2734	2735
##	3.153086e+03	3.953273e+03	3.913822e+03	4.146780e+03	4.000695e+03
##	2736	2737	2738	2739	2740
##	4.099883e+03	3.786137e+03	3.783789e+03	3.090171e+03	4.331621e+03
##	2741	2742	2743	2744	2745
##	3.550503e+03	3.561276e+03	3.524698e+03	3.702871e+03	3.957386e+03
##	2746	2747	2748	2749	2750
##	2.891768e+03	3.916455e+03	4.160469e+03	3.865833e+03	4.147054e+03
##	2751	2752	2753	2754	2755
##	3.273357e+03	4.060725e+03	2.726004e+03	2.838852e+03	2.954623e+03
##	2756	2757	2758	2759	2760
##	4.346001e+03	3.805950e+03	3.537865e+03	4.220986e+03	3.262226e+03
##	2761	2762	2763	2764	2765
##	4.021974e+03	3.314823e+03	3.792627e+03	2.946566e+03	4.034878e+03
##	2766	2767	2768	2769	2770
##	3.526026e+03	3.527648e+03	3.404638e+03	3.849494e+03	3.383016e+03
##	2771	2772	2773	2774	2775
##	4.131754e+03	3.401741e+03	3.381009e+03	3.374031e+03	3.398367e+03
##	2776	2777	2778	2779	2780
##	3.399056e+03	3.670247e+03	4.155988e+03	4.163740e+03	3.566102e+03
##	2781	2782	2783	2784	2785
##	3.533857e+03	2.958466e+03	3.204393e+03	4.138879e+03	3.433714e+03
##	2786	2787	2788	2789	2790
##	3.349913e+03	3.814425e+03	4.156614e+03	4.107737e+03	4.157231e+03
##	2791	2792	2793	2794	2795
##	3.222964e+03	3.798047e+03	3.511647e+03	4.288091e+03	4.261460e+03
##	2796	2797	2798	2799	2800
##	3.373014e+03	4.498926e+03	4.158723e+03	3.452147e+03	3.923664e+03
##	2801	2802	2803	2804	2805
##	1.262008e+03	1.467292e+03	3.908054e+03	3.362718e+03	4.415349e+03
##	2806	2807	2808	2809	2810
##	4.095019e+03	2.142889e+03	3.914417e+03	3.384329e+03	3.381860e+03
##	2811	2812	2813	2814	2815
##	4.117988e+03	4.288449e+03	3.796989e+03	4.310951e+03	3.907875e+03
##	2816	2817	2818	2819	2820
##	4.535859e+03	4.067834e+03	4.776805e+03	4.495429e+03	3.805501e+03
##	2821	2822	2823	2824	2825
##	3.805501e+03	3.953863e+03	4.394551e+03	4.048694e+03	3.495065e+03
##	2826	2827	2828	2829	2830
##	4.575968e+03	3.465648e+03	3.494500e+03	3.508498e+03	3.483964e+03
##	2831	2832	2833	2834	2835
##	3.676921e+03	4.355910e+03	3.621580e+03	3.760436e+03	3.772616e+03
##	2836	2837	2838	2839	2840
##	3.511216e+03	4.198777e+03	3.674942e+03	3.055199e+03	3.416289e+03
##	2841	2842	2843	2844	2845
##	4.198074e+03	3.742196e+03	4.170799e+03	3.956218e+03	3.466806e+03
##	2846	2847	2848	2849	2850
##	3.953824e+03	3.889472e+03	4.048643e+03	3.495251e+03	4.199187e+03
##	2851	2852	2853	2854	2855

##	4.260130e+03	4.054025e+03	3.965670e+03	3.978528e+03	4.240926e+03
##	2856	2857	2858	2859	2860
##	4.249821e+03	3.416681e+03	4.349638e+03	3.392069e+03	3.400517e+03
##	2861	2862	2863	2864	2865
##	3.377670e+03	4.053866e+03	2.994730e+03	3.956640e+03	4.041950e+03
##	2866	2867	2868	2869	2870
##	4.169902e+03	4.318813e+03	3.984255e+03	4.027343e+03	3.936508e+03
##	2871	2872	2873	2874	2875
##	3.260807e+03	3.334730e+03	3.123053e+03	4.756342e+03	3.446312e+03
##	2876	2877	2878	2879	2880
##	4.317391e+03	3.469117e+03	4.358635e+03	3.654643e+03	3.890678e+03
##	2881	2882	2883	2884	2885
##	4.170094e+03	3.449289e+03	3.004405e+03	3.925092e+03	3.561049e+03
##	2886	2887	2888	2889	2890
##	3.968288e+03	3.972696e+03	3.790800e+03	3.906226e+03	3.725126e+03
##	2891	2892	2893	2894	2895
##	3.209175e+03	4.100732e+03	3.269684e+03	2.997934e+03	3.589553e+03
##	2896	2897	2898	2899	2900
##	3.271028e+03	3.522114e+03	2.970152e+03	3.850924e+03	3.852988e+03
##	2901	2902	2903	2904	2905
##	4.322886e+03	3.878921e+03	4.127441e+03	4.175622e+03	4.098968e+03
##	2906	2907	2908	2909	2910
##	4.111577e+03	4.297142e+03	3.098585e+03	4.005139e+03	3.739449e+03
##	2911	2912	2913	2914	2915
##	3.421545e+03	3.906513e+03	4.306472e+03	3.435175e+03	4.410060e+03
##	2916	2917	2918	2919	2920
##	4.136390e+03	3.031439e+03	4.191850e+03	3.613550e+03	3.998212e+03
##	2921	2922	2923	2924	2925
##	4.169333e+03	4.136382e+03	3.938043e+03	4.641561e+03	4.142657e+03
##	2926	2927	2928	2929	2930
##	1.714959e+03	3.889218e+03	4.095259e+03	3.248971e+03	3.686202e+03
##	2931	2932	2933	2934	2935
##	4.175691e+03	4.085280e+03	4.068265e+03	3.017720e+03	2.628731e+03
##	2936	2937	2938	2939	2940
##	4.158487e+03	3.959141e+03	4.390159e+03	4.013007e+03	3.929670e+03
##	2941	2942	2943	2944	2945
##	4.083788e+03	2.414421e+03	3.718804e+03	2.316052e+03	3.840009e+03
##	2946	2947	2948	2949	2950
##	2.269677e+03	2.490812e+03	4.395047e+03	3.950671e+03	4.087452e+03
##	2951	2952	2953	2954	2955
##	4.247734e+03	4.115287e+03	3.006719e+03	4.239100e+03	4.067322e+03
##	2956	2957	2958	2959	2960
##	4.246747e+03	3.973443e+03	4.001807e+03	4.093567e+03	3.760800e+03
##	2961	2962	2963	2964	2965
##	4.303377e+03	3.646384e+03	4.967774e+03	3.867144e+03	3.803213e+03
##	2966	2967	2968	2969	2970
##	4.634105e+03	2.485826e+03	3.949501e+03	4.299488e+03	4.493375e+03
##	2971	2972	2973	2974	2975
##	2.390849e+03	3.247147e+03	3.393684e+03	3.653275e+03	3.310228e+03
##	2976	2977	2978	2979	2980
##	3.520884e+03	3.469352e+03	3.479338e+03	3.977130e+03	4.978321e+03
##	2981	2982	2983	2984	2985
##	4.508607e+03	3.872239e+03	1.919145e+03	4.237535e+03	4.012448e+03
##	2986	2987	2988	2989	2990

##	3.734152e+03	2.886612e+03	3.832376e+03	3.756939e+03	4.269391e+03
##	2991	2992	2993	2994	2995
##	4.466127e+03	2.285109e+03	3.503956e+03	3.503163e+03	3.913167e+03
##	2996	2997	2998	2999	3000
##	3.278701e+03	3.771712e+03	3.284847e+03	3.497866e+03	3.244763e+03
##	3001	3002	3003	3004	3005
##	4.144037e+03	4.285663e+03	2.992925e+03	3.759090e+03	3.739498e+03
##	3006	3007	3008	3009	3010
##	3.839257e+03	3.736957e+03	4.547838e+03	3.997400e+03	4.553983e+03
##	3011	3012	3013	3014	3015
##	4.767287e+03	4.727623e+03	4.975881e+03	4.364110e+03	3.718038e+03
##	3016	3017	3018	3019	3020
##	3.160830e+03	3.848527e+03	4.251522e+03	4.143742e+03	4.165779e+03
##	3021	3022	3023	3024	3025
##	3.655825e+03	3.480969e+03	3.558184e+03	4.062689e+03	3.822539e+03
##	3026	3027	3028	3029	3030
##	3.973925e+03	3.890209e+03	3.922923e+03	3.931366e+03	3.416889e+03
##	3031	3032	3033	3034	3035
##	2.840258e+02	3.166729e+02	1.238107e+02	1.140085e+02	-1.151075e+03
##	3036	3037	3038	3039	3040
##	1.101899e+03	3.462946e+02	3.118318e+02	1.694878e+02	4.782756e+02
##	3041	3042	3043	3044	3045
##	3.059398e+02	4.431123e+02	4.796755e+02	4.546669e+02	7.751863e+02
##	3046	3047	3048	3049	3050
##	7.624179e+02	7.418983e+02	7.688964e+02	7.523353e+02	1.102822e+03
##	3051	3052	3053	3054	3055
##	8.356387e+02	-7.185310e+02	7.052197e+02	1.176973e+03	-1.530761e+03
##	3056	3057	3058	3059	3060
##	1.458129e+02	3.055241e+01	6.625973e+01	-1.136674e+03	1.556769e+02
##	3061	3062	3063	3064	3065
##	4.045795e+03	3.925632e+03	3.822245e+03	4.049203e+03	4.173503e+03
##	3066	3067	3068	3069	3070
##	4.092424e+03	4.525987e+03	3.855653e+03	4.053503e+03	3.988179e+03
##	3071	3072	3073	3074	3075
##	4.246686e+03	4.009151e+03	4.264315e+03	4.051222e+03	3.393946e+03
##	3076	3077	3078	3079	3080
##	5.619276e+03	3.865527e+03	4.153558e+03	4.241626e+03	3.923073e+03
##	3081	3082	3083	3084	3085
##	5.723232e+03	3.247043e+03	4.075260e+03	3.538705e+03	4.063096e+03
##	3086	3087	3088	3089	3090
##	4.316518e+03	2.963957e+03	3.953263e+03	4.586988e+03	3.326741e+03
##	3091	3092	3093	3094	3095
##	3.849256e+03	4.454760e+03	3.473453e+03	3.482237e+03	4.444141e+03
##	3096	3097	3098	3099	3100
##	3.601416e+03	4.064682e+03	3.923664e+03	1.960366e+03	3.158451e+03
##	3101	3102	3103	3104	3105
##	3.951817e+03	3.964800e+03	3.644109e+03	4.982481e+03	4.014565e+03
##	3106	3107	3108	3109	3110
##	3.394660e+03	4.269929e+03	3.961418e+03	3.576146e+03	3.854091e+03
##	3111	3112	3113	3114	3115
##	3.044411e+03	4.146853e+03	3.524966e+03	3.665095e+03	3.863674e+03
##	3116	3117	3118	3119	3120
##	3.981978e+03	3.925692e+03	2.981765e+03	4.389731e+03	3.609759e+03
##	3121	3122	3123	3124	3125

##	3.574720e+03	3.571114e+03	4.033089e+03	3.782255e+03	2.963839e+03
##	3126	3127	3128	3129	3130
##	3.929210e+03	3.739061e+03	2.956429e+03	4.283827e+03	4.435116e+03
##	3131	3132	3133	3134	3135
##	3.377172e+03	4.164825e+03	4.099537e+03	3.909829e+03	4.338163e+03
##	3136	3137	3138	3139	3140
##	3.136042e+03	3.381581e+03	3.273661e+03	3.677130e+03	4.108560e+03
##	3141	3142	3143	3144	3145
##	3.052031e+03	3.054146e+03	3.072080e+03	4.218224e+03	4.069482e+03
##	3146	3147	3148	3149	3150
##	4.187739e+03	3.541369e+03	4.090100e+03	3.771196e+03	4.400061e+03
##	3151	3152	3153	3154	3155
##	3.702311e+03	3.389636e+03	3.380715e+03	4.108255e+03	3.886172e+03
##	3156	3157	3158	3159	3160
##	4.009965e+03	4.009965e+03	4.202781e+03	4.378464e+03	3.759976e+03
##	3161	3162	3163	3164	3165
##	3.442078e+03	3.931393e+03	4.151090e+03	3.315629e+03	3.812555e+03
##	3166	3167	3168	3169	3170
##	3.801727e+03	3.419278e+03	3.413704e+03	4.387236e+03	3.891803e+03
##	3171	3172	3173	3174	3175
##	3.301718e+03	4.974483e+03	4.313404e+03	3.908027e+03	3.961372e+03
##	3176	3177	3178	3179	3180
##	3.913332e+03	3.529595e+03	4.252762e+03	3.311743e+03	4.146800e+03
##	3181	3182	3183	3184	3185
##	3.387299e+03	3.620089e+03	3.415797e+03	4.263433e+03	3.356725e+03
##	3186	3187	3188	3189	3190
##	4.535000e+03	3.747897e+03	4.008081e+03	3.936920e+03	3.648002e+03
##	3191	3192	3193	3194	3195
##	2.865119e+03	4.483112e+03	4.139096e+03	4.376170e+03	3.216507e+03
##	3196	3197	3198	3199	3200
##	3.577571e+03	1.857231e+03	4.273279e+03	3.625147e+03	3.559321e+03
##	3201	3202	3203	3204	3205
##	4.022439e+03	3.725327e+03	3.844246e+03	3.679856e+03	3.157325e+03
##	3206	3207	3208	3209	3210
##	4.087706e+03	4.061181e+03	3.682324e+03	3.752140e+03	4.347037e+03
##	3211	3212	3213	3214	3215
##	4.209069e+03	4.192092e+03	4.347826e+03	2.801864e+03	2.516652e+03
##	3216	3217	3218	3219	3220
##	1.734369e+03	3.291589e+03	3.733028e+03	3.789200e+03	4.377198e+03
##	3221	3222	3223	3224	3225
##	3.426509e+03	3.312486e+03	4.305354e+03	3.790747e+03	3.707506e+03
##	3226	3227	3228	3229	3230
##	4.425583e+03	4.268053e+03	4.288806e+03	4.248172e+03	3.024054e+03
##	3231	3232	3233	3234	3235
##	4.262853e+03	4.205285e+03	4.114577e+03	4.066870e+03	3.379707e+03
##	3236	3237	3238	3239	3240
##	4.791197e+03	3.812197e+03	3.305783e+03	2.625966e+03	4.154168e+03
##	3241	3242	3243	3244	3245
##	4.171407e+03	2.304716e+03	4.099295e+03	4.048704e+03	3.993985e+03
##	3246	3247	3248	3249	3250
##	3.355226e+03	4.943543e+03	3.857881e+03	3.843927e+03	3.571805e+03
##	3251	3252	3253	3254	3255
##	4.388384e+03	4.437582e+03	4.307921e+03	3.738754e+03	3.259628e+03
##	3256	3257	3258	3259	3260

##	4.710232e+03	4.144139e+03	4.153485e+03	3.462070e+03	3.891955e+03
##	3261	3262	3263	3264	3265
##	3.889091e+03	3.940592e+03	2.592142e+03	3.812233e+03	4.589032e+03
##	3266	3267	3268	3269	3270
##	3.912390e+03	3.150127e+03	3.108545e+03	3.388331e+03	3.811683e+03
##	3271	3272	3273	3274	3275
##	4.124794e+03	3.304878e+03	1.994738e+03	4.077192e+03	4.212260e+03
##	3276	3277	3278	3279	3280
##	1.195999e+03	4.211246e+03	4.159250e+03	3.976134e+03	3.702903e+03
##	3281	3282	3283	3284	3285
##	3.883733e+03	3.529377e+03	4.171945e+03	3.876902e+03	4.312125e+03
##	3286	3287	3288	3289	3290
##	3.135198e+03	3.021220e+03	4.449069e+03	3.001958e+03	4.262650e+03
##	3291	3292	3293	3294	3295
##	3.994819e+03	3.991284e+03	3.886709e+03	4.012745e+03	4.229904e+03
##	3296	3297	3298	3299	3300
##	4.397589e+03	3.810490e+03	3.119580e+03	4.353787e+03	3.688509e+03
##	3301	3302	3303	3304	3305
##	3.695362e+03	3.681151e+03	4.208042e+03	4.167898e+03	4.343910e+03
##	3306	3307	3308	3309	3310
##	4.458291e+03	4.153496e+03	4.224397e+03	4.038499e+03	4.315208e+03
##	3311	3312	3313	3314	3315
##	3.645602e+03	4.036218e+03	3.908069e+03	3.685748e+03	3.658416e+03
##	3316	3317	3318	3319	3320
##	2.975199e+03	4.299613e+03	4.351901e+03	4.263944e+03	3.901445e+03
##	3321	3322	3323	3324	3325
##	3.916389e+03	3.183165e+03	3.998124e+03	4.349448e+03	4.004157e+03
##	3326	3327	3328	3329	3330
##	4.006503e+03	4.140698e+03	3.761708e+03	3.915867e+03	4.251276e+03
##	3331	3332	3333	3334	3335
##	3.758472e+03	4.030210e+03	3.652292e+03	3.173472e+03	3.481055e+03
##	3336	3337	3338	3339	3340
##	2.104113e+03	4.484855e+03	3.652309e+03	3.422203e+03	4.206739e+03
##	3341	3342	3343	3344	3345
##	3.956583e+03	3.405778e+03	3.001633e+03	3.168286e+03	2.720244e+03
##	3346	3347	3348	3349	3350
##	4.241872e+03	3.803489e+03	3.839021e+03	3.731026e+03	3.845655e+03
##	3351	3352	3353	3354	3355
##	3.807166e+03	4.154103e+03	3.833389e+03	4.024336e+03	4.308679e+03
##	3356	3357	3358	3359	3360
##	4.403343e+03	3.776105e+03	3.418649e+03	3.037128e+03	3.745994e+03
##	3361	3362	3363	3364	3365
##	-1.358605e+03	-1.210640e+03	-6.482931e+02	-7.923262e+02	-7.120446e+02
##	3366	3367	3368	3369	3370
##	-1.179829e+02	-1.008616e+02	5.068498e+02	-3.303158e+02	-6.701598e+02
##	3371	3372	3373	3374	3375
##	-6.914199e+02	-1.124245e+03	-7.886065e+02	-7.461063e+02	-6.198686e+02
##	3376	3377	3378	3379	3380
##	1.734443e+02	-1.730792e+03	-1.322274e+03	-1.455004e+03	-1.278978e+03
##	3381	3382	3383	3384	3385
##	-1.206554e+03	-1.282676e+03	-1.400452e+03	-1.358050e+03	-1.491788e+03
##	3386	3387	3388	3389	3390
##	-1.311355e+03	-1.297720e+03	-1.328798e+03	-1.195910e+03	-1.379466e+03
##	3391	3392	3393	3394	3395

##	8.818885e+01	9.068976e+02	9.295165e+02	7.803492e+01	1.267581e+03
##	3396	3397	3398	3399	3400
##	1.815767e+02	2.051288e+02	5.180227e+02	5.357527e+02	-6.273976e+02
##	3401	3402	3403	3404	3405
##	-5.155301e+02	2.733605e+02	4.541188e+02	-8.934057e+02	5.899925e+02
##	3406	3407	3408	3409	3410
##	1.495303e+02	1.082728e+02	3.870815e+02	5.668389e+02	5.201978e+02
##	3411	3412	3413	3414	3415
##	-4.499701e+02	-4.961379e+02	-4.706065e+02	-1.518838e+03	4.052219e+01
##	3416	3417	3418	3419	3420
##	-7.172064e+01	7.080828e+02	-4.432675e+01	8.689300e+01	1.245522e+02
##	3421	3422	3423	3424	3425
##	4.022130e+03	4.096445e+03	1.929830e+03	3.713368e+03	3.749569e+03
##	3426	3427	3428	3429	3430
##	3.720844e+03	3.805681e+03	3.636456e+03	3.880884e+03	4.342804e+03
##	3431	3432	3433	3434	3435
##	3.671947e+03	4.088609e+03	3.351845e+03	3.895248e+03	3.441129e+03
##	3436	3437	3438	3439	3440
##	3.571663e+03	3.929758e+03	3.969341e+03	3.894230e+03	3.771896e+03
##	3441	3442	3443	3444	3445
##	3.841562e+03	3.044086e+03	3.491547e+03	4.464533e+03	3.799802e+03
##	3446	3447	3448	3449	3450
##	3.946803e+03	4.734970e+03	2.153317e+03	3.517407e+03	3.946560e+03
##	3451	3452	3453	3454	3455
##	3.868541e+03	4.719937e+03	4.476112e+03	4.306917e+03	3.818162e+03
##	3456	3457	3458	3459	3460
##	3.703910e+03	3.941819e+03	3.715207e+03	2.827348e+03	4.430597e+03
##	3461	3462	3463	3464	3465
##	3.477407e+03	2.578672e+03	2.583079e+03	3.013135e+03	4.223373e+03
##	3466	3467	3468	3469	3470
##	4.482758e+03	3.146105e+03	4.936229e+03	4.952834e+03	4.321513e+03
##	3471	3472	3473	3474	3475
##	4.375469e+03	4.588095e+03	4.446990e+03	3.361697e+03	1.997954e+03
##	3476	3477	3478	3479	3480
##	4.220922e+03	3.946072e+03	3.983744e+03	2.889607e+03	4.307003e+03
##	3481	3482	3483	3484	3485
##	3.864894e+03	4.363299e+03	4.611102e+03	3.628177e+03	4.030140e+03
##	3486	3487	3488	3489	3490
##	3.418282e+03	4.041104e+03	4.023199e+03	3.904523e+03	4.238206e+03
##	3491	3492	3493	3494	3495
##	3.492309e+03	4.298689e+03	3.417805e+03	3.385885e+03	3.319182e+03
##	3496	3497	3498	3499	3500
##	3.968314e+03	3.972685e+03	4.885457e+03	4.422036e+03	4.832907e+03
##	3501	3502	3503	3504	3505
##	4.905500e+03	4.201175e+03	3.602983e+03	3.551864e+03	4.498644e+03
##	3506	3507	3508	3509	3510
##	4.416962e+03	3.588849e+03	4.521849e+03	4.413508e+03	4.361359e+03
##	3511	3512	3513	3514	3515
##	3.022581e+03	4.563667e+03	4.076972e+03	3.860288e+03	4.012395e+03
##	3516	3517	3518	3519	3520
##	4.013938e+03	4.015906e+03	3.983381e+03	3.979714e+03	3.697856e+03
##	3521	3522	3523	3524	3525
##	4.598859e+03	3.688569e+03	1.816517e+03	4.139592e+03	4.275401e+03
##	3526	3527	3528	3529	3530

##	3.442876e+03	3.442369e+03	4.406005e+03	4.010507e+03	3.518108e+03
##	3531	3532	3533	3534	3535
##	4.441242e+03	3.783922e+03	3.017848e+03	4.570015e+03	4.154560e+03
##	3536	3537	3538	3539	3540
##	3.293898e+03	3.251980e+03	3.988820e+03	4.046452e+03	3.929369e+03
##	3541	3542	3543	3544	3545
##	3.240696e+03	3.471263e+03	1.918383e+03	4.165059e+03	4.294273e+03
##	3546	3547	3548	3549	3550
##	4.482455e+03	4.036826e+03	4.011990e+03	4.323906e+03	5.558467e+03
##	3551	3552	3553	3554	3555
##	4.697797e+03	2.253822e+03	3.269716e+03	3.397987e+03	4.026811e+03
##	3556	3557	3558	3559	3560
##	4.190207e+03	3.096014e+03	4.329714e+03	3.759190e+03	3.773188e+03
##	3561	3562	3563	3564	3565
##	4.922271e+03	3.400258e+03	3.542827e+03	3.840515e+03	3.896548e+03
##	3566	3567	3568	3569	3570
##	5.406480e+03	4.537244e+03	3.976089e+03	4.150877e+03	3.514240e+03
##	3571	3572	3573	3574	3575
##	3.658559e+03	3.695425e+03	4.368593e+03	4.199577e+03	4.251372e+03
##	3576	3577	3578	3579	3580
##	4.553671e+03	4.031277e+03	4.609511e+03	3.851457e+03	3.896248e+03
##	3581	3582	3583	3584	3585
##	2.468579e+03	3.765663e+03	3.112181e+03	3.508379e+03	3.674824e+03
##	3586	3587	3588	3589	3590
##	3.907701e+03	3.475693e+03	3.936947e+03	3.032454e+03	4.540677e+03
##	3591	3592	3593	3594	3595
##	3.559913e+03	3.051757e+03	3.175913e+03	4.155245e+03	2.935964e+03
##	3596	3597	3598	3599	3600
##	2.851396e+03	4.971050e+03	3.734754e+03	3.629146e+03	4.054472e+03
##	3601	3602	3603	3604	3605
##	3.750639e+03	3.639472e+03	3.579084e+03	3.709947e+03	2.477216e+03
##	3606	3607	3608	3609	3610
##	2.575435e+03	4.295869e+03	3.816212e+03	4.038791e+03	4.351991e+03
##	3611	3612	3613	3614	3615
##	4.408932e+03	3.618354e+03	4.022047e+03	4.094300e+03	5.472521e+03
##	3616	3617	3618	3619	3620
##	4.273840e+03	4.331871e+03	4.288219e+03	4.235879e+03	4.146684e+03
##	3621	3622	3623	3624	3625
##	4.323721e+03	4.499006e+03	4.217236e+03	3.908668e+03	3.844594e+03
##	3626	3627	3628	3629	3630
##	4.180083e+03	4.050937e+03	3.965324e+03	4.182201e+03	3.797896e+03
##	3631	3632	3633	3634	3635
##	3.795097e+03	3.791587e+03	3.840833e+03	3.836822e+03	3.796380e+03
##	3636	3637	3638	3639	3640
##	3.827165e+03	4.020895e+03	3.754464e+03	3.516944e+03	4.077203e+03
##	3641	3642	3643	3644	3645
##	3.971525e+03	4.518195e+03	3.372115e+03	3.870317e+03	3.886400e+03
##	3646	3647	3648	3649	3650
##	4.520979e+03	3.801987e+03	3.210538e+03	4.178181e+03	3.840829e+03
##	3651	3652	3653	3654	3655
##	3.822699e+03	2.684213e+03	4.035259e+03	2.083755e+03	4.152876e+03
##	3656	3657	3658	3659	3660
##	3.431495e+03	3.896910e+03	4.404683e+03	3.216313e+03	4.515894e+03
##	3661	3662	3663	3664	3665

##	3.221838e+03	4.011435e+03	4.091769e+03	4.363162e+03	3.740800e+03
##	3666	3667	3668	3669	3670
##	4.014605e+03	4.383951e+03	2.283684e+03	3.886238e+03	2.119424e+03
##	3671	3672	3673	3674	3675
##	3.632293e+03	4.481622e+03	4.048638e+03	3.422440e+03	3.478017e+03
##	3676	3677	3678	3679	3680
##	3.516358e+03	2.564980e+03	3.948099e+03	4.298373e+03	4.468074e+03
##	3681	3682	3683	3684	3685
##	3.371955e+03	4.421597e+03	3.412234e+03	4.024772e+03	3.243631e+03
##	3686	3687	3688	3689	3690
##	3.935112e+03	4.300541e+03	4.144117e+03	3.699884e+03	3.984873e+03
##	3691	3692	3693	3694	3695
##	3.843147e+03	3.943387e+03	4.383955e+03	3.752553e+03	4.064055e+03
##	3696	3697	3698	3699	3700
##	3.834717e+03	4.105045e+03	3.727206e+03	3.742574e+03	4.440068e+03
##	3701	3702	3703	3704	3705
##	4.579095e+03	4.506133e+03	4.065995e+03	4.761237e+03	4.761237e+03
##	3706	3707	3708	3709	3710
##	4.656417e+03	2.112602e+03	4.025449e+03	4.837833e+03	4.597849e+03
##	3711	3712	3713	3714	3715
##	3.401006e+03	4.927704e+03	3.207987e+03	3.434401e+03	4.202200e+03
##	3716	3717	3718	3719	3720
##	3.323881e+03	4.616206e+03	2.990465e+03	3.453492e+03	3.921371e+03
##	3721	3722	3723	3724	3725
##	7.501188e+02	-6.641806e+01	1.203678e+02	-2.398627e+02	2.323426e+02
##	3726	3727	3728	3729	3730
##	5.132640e+01	4.576889e+02	2.321297e+02	5.797426e+02	6.919884e+01
##	3731	3732	3733	3734	3735
##	-1.386569e+02	-7.260847e+01	3.534002e+01	1.044232e+03	-1.407788e+02
##	3736	3737	3738	3739	3740
##	-1.291842e+02	5.363182e+02	4.913749e+02	3.011008e+02	-7.644288e+02
##	3741	3742	3743	3744	3745
##	5.094794e+02	4.497805e+02	8.328388e+02	8.480447e+02	7.448990e+02
##	3746	3747	3748	3749	3750
##	6.879980e+02	8.855287e+02	7.776835e+02	6.335099e+02	3.998627e+02
##	3751	3752	3753	3754	3755
##	4.200555e+03	2.989522e+03	3.267935e+03	3.348234e+03	2.031713e+03
##	3756	3757	3758	3759	3760
##	2.565000e+03	3.560837e+03	4.924006e+03	4.285409e+03	4.437258e+03
##	3761	3762	3763	3764	3765
##	4.024776e+03	4.010804e+03	3.705310e+03	2.843539e+03	3.595222e+03
##	3766	3767	3768	3769	3770
##	3.596851e+03	3.628357e+03	5.895348e+03	2.801433e+03	1.970023e+03
##	3771	3772	3773	3774	3775
##	3.722679e+03	3.924347e+03	4.575361e+03	4.575642e+03	4.625643e+03
##	3776	3777	3778	3779	3780
##	4.905342e+03	4.359678e+03	3.599024e+03	4.375773e+03	5.180651e+03
##	3781	3782	3783	3784	3785
##	3.472394e+03	4.381750e+03	4.174038e+03	4.696849e+03	4.231711e+03
##	3786	3787	3788	3789	3790
##	4.412253e+03	2.507928e+03	4.070506e+03	4.416773e+03	4.554850e+03
##	3791	3792	3793	3794	3795
##	3.916534e+03	3.821611e+03	3.831328e+03	3.865760e+03	3.963439e+03
##	3796	3797	3798	3799	3800

##	2.535692e+03	4.138453e+03	4.099624e+03	3.755731e+03	3.139739e+03
##	3801	3802	3803	3804	3805
##	2.633395e+03	3.355174e+03	3.460020e+03	4.165331e+03	3.594019e+03
##	3806	3807	3808	3809	3810
##	4.092874e+03	3.362353e+03	3.709166e+03	5.407638e+03	4.389242e+03
##	3811	3812	3813	3814	3815
##	3.925519e+03	4.121083e+03	3.610776e+03	3.353116e+03	3.337814e+03
##	3816	3817	3818	3819	3820
##	3.332642e+03	3.635195e+03	3.805640e+03	3.368411e+03	4.379456e+03
##	3821	3822	3823	3824	3825
##	3.927346e+03	3.586592e+03	4.039713e+03	4.325448e+03	4.673240e+03
##	3826	3827	3828	3829	3830
##	4.259579e+03	3.264998e+03	3.273935e+03	3.918419e+03	3.952025e+03
##	3831	3832	3833	3834	3835
##	3.837915e+03	4.634155e+03	4.297696e+03	4.312936e+03	3.672325e+03
##	3836	3837	3838	3839	3840
##	3.819672e+03	3.008086e+03	3.830732e+03	3.739199e+03	3.150488e+03
##	3841	3842	3843	3844	3845
##	3.879165e+03	2.999728e+03	4.003334e+03	4.402392e+03	4.052704e+03
##	3846	3847	3848	3849	3850
##	3.775567e+03	3.631437e+03	4.088461e+03	4.065891e+03	4.498324e+03
##	3851	3852	3853	3854	3855
##	3.825089e+03	3.249631e+03	4.276538e+03	3.885884e+03	3.905719e+03
##	3856	3857	3858	3859	3860
##	3.875948e+03	3.879002e+03	3.898741e+03	3.883013e+03	3.874052e+03
##	3861	3862	3863	3864	3865
##	3.876470e+03	3.890627e+03	3.877562e+03	3.482075e+03	3.506349e+03
##	3866	3867	3868	3869	3870
##	3.235525e+03	4.081692e+03	4.101314e+03	4.429665e+03	2.345983e+03
##	3871	3872	3873	3874	3875
##	3.992561e+03	2.958396e+03	2.840845e+03	3.958940e+03	4.101257e+03
##	3876	3877	3878	3879	3880
##	3.722724e+03	4.113711e+03	4.156075e+03	3.592004e+03	4.328410e+03
##	3881	3882	3883	3884	3885
##	4.314576e+03	4.349406e+03	3.663444e+03	5.015942e+03	4.288629e+03
##	3886	3887	3888	3889	3890
##	1.815103e+03	3.760841e+03	4.318865e+03	4.373063e+03	4.187536e+03
##	3891	3892	3893	3894	3895
##	4.407032e+03	4.393666e+03	4.034200e+03	4.040200e+03	4.347403e+03
##	3896	3897	3898	3899	3900
##	4.157345e+03	3.468227e+03	3.760314e+03	4.741180e+03	3.744993e+03
##	3901	3902	3903	3904	3905
##	4.112460e+03	3.331400e+03	3.542386e+03	4.114382e+03	2.985042e+03
##	3906	3907	3908	3909	3910
##	4.338291e+03	3.893208e+03	4.185953e+03	4.252164e+03	4.419829e+03
##	3911	3912	3913	3914	3915
##	3.285846e+03	4.209334e+03	4.153492e+03	4.359814e+03	4.374288e+03
##	3916	3917	3918	3919	3920
##	3.799242e+03	3.988423e+03	4.589504e+03	3.538811e+03	4.509147e+03
##	3921	3922	3923	3924	3925
##	3.419306e+03	3.703562e+03	3.334146e+03	4.534526e+03	4.132387e+03
##	3926	3927	3928	3929	3930
##	3.421292e+03	6.121288e+03	4.004708e+03	3.559240e+03	3.042471e+03
##	3931	3932	3933	3934	3935

##	2.587564e+03	2.558696e+03	3.512731e+03	3.677624e+03	4.353586e+03
##	3936	3937	3938	3939	3940
##	3.929370e+03	4.826832e+03	3.580966e+03	4.088521e+03	3.940939e+03
##	3941	3942	3943	3944	3945
##	4.025129e+03	3.991975e+03	3.912443e+03	4.279445e+03	3.369504e+03
##	3946	3947	3948	3949	3950
##	3.360223e+03	3.351298e+03	4.299737e+03	2.503923e+03	4.320518e+03
##	3951	3952	3953	3954	3955
##	4.190241e+03	4.162832e+03	3.672361e+03	3.636539e+03	3.686124e+03
##	3956	3957	3958	3959	3960
##	5.234449e+03	2.604850e+03	4.646941e+03	4.202235e+03	4.064589e+03
##	3961	3962	3963	3964	3965
##	4.466732e+03	3.914867e+03	4.464527e+03	4.711851e+03	3.662838e+03
##	3966	3967	3968	3969	3970
##	3.689032e+03	2.253148e+03	3.573550e+03	4.688942e+03	4.582089e+03
##	3971	3972	3973	3974	3975
##	3.780250e+03	3.500269e+03	4.384883e+03	4.521497e+03	2.996484e+03
##	3976	3977	3978	3979	3980
##	4.681820e+03	4.220269e+03	4.436665e+03	4.006729e+03	4.907459e+03
##	3981	3982	3983	3984	3985
##	3.981810e+03	3.981810e+03	4.261541e+03	3.650601e+03	4.126258e+03
##	3986	3987	3988	3989	3990
##	4.174955e+03	4.271790e+03	4.839171e+03	4.646742e+03	4.448081e+03
##	3991	3992	3993	3994	3995
##	3.292623e+03	3.876309e+03	3.714667e+03	3.694928e+03	3.681813e+03
##	3996	3997	3998	3999	4000
##	4.050576e+03	3.032184e+03	4.008269e+03	3.633804e+03	3.574085e+03
##	4001	4002	4003	4004	4005
##	3.550158e+03	4.050487e+03	4.068927e+03	4.285940e+03	4.014395e+03
##	4006	4007	4008	4009	4010
##	3.664414e+03	3.690306e+03	3.652759e+03	3.674425e+03	3.468548e+03
##	4011	4012	4013	4014	4015
##	3.625479e+03	3.617289e+03	3.510892e+03	3.637190e+03	2.016180e+03
##	4016	4017	4018	4019	4020
##	2.070092e+03	3.637108e+03	3.849173e+03	3.595842e+03	3.564097e+03
##	4021	4022	4023	4024	4025
##	3.532100e+03	4.801637e+03	4.388280e+03	4.778671e+03	4.615922e+03
##	4026	4027	4028	4029	4030
##	3.658052e+03	4.069767e+03	4.320131e+03	4.539852e+03	3.981586e+03
##	4031	4032	4033	4034	4035
##	3.656234e+03	3.144579e+03	4.075215e+03	5.498710e+03	4.440617e+03
##	4036	4037	4038	4039	4040
##	4.365210e+03	4.151619e+03	3.576644e+03	3.359999e+03	3.099024e+03
##	4041	4042	4043	4044	4045
##	4.044043e+03	2.562144e+03	4.670261e+03	4.916042e+03	4.360485e+03
##	4046	4047	4048	4049	4050
##	3.610799e+03	4.218624e+03	3.753105e+03	3.720668e+03	2.752286e+03
##	4051	4052	4053	4054	4055
##	-4.646273e+02	1.836909e+02	1.400849e+02	1.938696e+02	2.862122e+01
##	4056	4057	4058	4059	4060
##	2.096405e+00	1.638093e+02	1.844303e+02	1.337293e+02	-1.894526e+02
##	4061	4062	4063	4064	4065
##	-9.547536e+02	-9.228513e+02	1.822388e+02	-5.201773e+01	3.082020e+02
##	4066	4067	4068	4069	4070

##	1.908719e+02	7.620061e+00	2.552085e+02	2.392167e+02	1.397264e+02
##	4071	4072	4073	4074	4075
##	2.707180e+02	1.921425e+02	-3.572234e+01	2.721729e+02	2.486811e+02
##	4076	4077	4078	4079	4080
##	1.299638e+02	2.580793e+02	-4.615932e+01	3.205879e+02	-1.131558e+02
##	4081	4082	4083	4084	4085
##	3.587750e+03	4.229494e+03	4.270767e+03	4.248274e+03	4.480162e+03
##	4086	4087	4088	4089	4090
##	4.179077e+03	3.460609e+03	3.932519e+03	3.944965e+03	3.884518e+03
##	4091	4092	4093	4094	4095
##	3.779913e+03	4.428103e+03	2.497846e+03	2.561783e+03	3.639623e+03
##	4096	4097	4098	4099	4100
##	4.004870e+03	4.323318e+03	4.463204e+03	4.618829e+03	4.164419e+03
##	4101	4102	4103	4104	4105
##	4.128348e+03	4.235975e+03	4.082263e+03	3.981212e+03	2.330732e+03
##	4106	4107	4108	4109	4110
##	2.312003e+03	4.616083e+03	4.508490e+03	3.301425e+03	3.565889e+03
##	4111	4112	4113	4114	4115
##	3.594162e+03	3.673913e+03	4.261374e+03	3.766811e+03	4.516240e+03
##	4116	4117	4118	4119	4120
##	4.613534e+03	3.459852e+03	4.352922e+03	4.017303e+03	3.511702e+03
##	4121	4122	4123	4124	4125
##	3.579672e+03	3.991139e+03	3.979751e+03	3.869442e+03	3.908333e+03
##	4126	4127	4128	4129	4130
##	3.678947e+03	3.564703e+03	4.153899e+03	5.503262e+03	3.212031e+03
##	4131	4132	4133	4134	4135
##	4.339942e+03	4.234894e+03	4.082467e+03	2.523618e+03	2.533274e+03
##	4136	4137	4138	4139	4140
##	4.577452e+03	3.823313e+03	4.480793e+03	4.011362e+03	4.579004e+03
##	4141	4142	4143	4144	4145
##	2.295090e+03	4.406646e+03	3.901860e+03	4.415541e+03	4.135497e+03
##	4146	4147	4148	4149	4150
##	3.649839e+03	4.952585e+03	4.510638e+03	4.231852e+03	3.707945e+03
##	4151	4152	4153	4154	4155
##	3.955524e+03	4.178366e+03	3.579452e+03	2.200444e+03	3.023187e+03
##	4156	4157	4158	4159	4160
##	4.360703e+03	4.005266e+03	3.149601e+03	4.488049e+03	2.617061e+03
##	4161	4162	4163	4164	4165
##	3.759896e+03	3.486933e+03	4.028839e+03	4.655765e+03	3.704546e+03
##	4166	4167	4168	4169	4170
##	3.755631e+03	3.744717e+03	3.641223e+03	3.825562e+03	5.496028e+03
##	4171	4172	4173	4174	4175
##	4.317029e+03	3.627104e+03	3.987737e+03	4.358364e+03	4.029909e+03
##	4176	4177	4178	4179	4180
##	3.551545e+03	3.682760e+03	3.693724e+03	4.276072e+03	3.627036e+03
##	4181	4182	4183	4184	4185
##	4.268838e+03	4.309398e+03	4.640398e+03	3.636835e+03	3.661721e+03
##	4186	4187	4188	4189	4190
##	3.884427e+03	4.331852e+03	4.657061e+03	4.139333e+03	4.482551e+03
##	4191	4192	4193	4194	4195
##	3.674027e+03	4.582899e+03	4.465245e+03	4.717696e+03	4.311604e+03
##	4196	4197	4198	4199	4200
##	4.303083e+03	4.458183e+03	4.345515e+03	2.418268e+03	4.554673e+03
##	4201	4202	4203	4204	4205

##	2.546849e+03	2.517981e+03	4.613064e+03	4.599003e+03	4.640690e+03
##	4206	4207	4208	4209	4210
##	3.801498e+03	4.121648e+03	3.785914e+03	4.463275e+03	4.351966e+03
##	4211	4212	4213	4214	4215
##	3.545824e+03	4.200042e+03	4.738549e+03	4.134973e+03	4.546075e+03
##	4216	4217	4218	4219	4220
##	4.982169e+03	5.314501e+03	3.454115e+03	3.625692e+03	3.620991e+03
##	4221	4222	4223	4224	4225
##	4.646146e+03	4.358058e+03	4.089465e+03	4.536845e+03	4.743965e+03
##	4226	4227	4228	4229	4230
##	3.796417e+03	3.992177e+03	2.574314e+03	4.076456e+03	3.568196e+03
##	4231	4232	4233	4234	4235
##	4.042619e+03	5.309571e+03	5.183096e+03	4.129711e+03	4.156794e+03
##	4236	4237	4238	4239	4240
##	3.610697e+03	2.970773e+03	3.825277e+03	3.722509e+03	3.463086e+03
##	4241	4242	4243	4244	4245
##	4.208749e+03	2.924243e+03	4.127842e+03	3.768604e+03	3.902802e+03
##	4246	4247	4248	4249	4250
##	4.367857e+03	4.503770e+03	3.052541e+03	4.022933e+03	4.550552e+03
##	4251	4252	4253	4254	4255
##	3.378218e+03	4.607905e+03	4.118592e+03	4.130512e+03	3.860777e+03
##	4256	4257	4258	4259	4260
##	4.010361e+03	4.238161e+03	3.427925e+03	4.268676e+03	4.321712e+03
##	4261	4262	4263	4264	4265
##	3.791227e+03	4.092737e+03	4.226609e+03	3.484942e+03	3.534204e+03
##	4266	4267	4268	4269	4270
##	4.268154e+03	4.653318e+03	4.073143e+03	5.105912e+03	4.371611e+03
##	4271	4272	4273	4274	4275
##	4.209191e+03	4.309050e+03	4.634663e+03	3.605912e+03	3.762078e+03
##	4276	4277	4278	4279	4280
##	4.309212e+03	3.619025e+03	3.534018e+03	4.445145e+03	3.604225e+03
##	4281	4282	4283	4284	4285
##	3.866327e+03	3.520632e+03	3.738804e+03	1.897063e+03	2.019199e+03
##	4286	4287	4288	4289	4290
##	4.600486e+03	4.390940e+03	4.398056e+03	4.514548e+03	4.767522e+03
##	4291	4292	4293	4294	4295
##	3.546880e+03	4.175128e+03	5.107050e+03	3.842941e+03	4.158164e+03
##	4296	4297	4298	4299	4300
##	3.130008e+03	3.953068e+03	4.136287e+03	4.042650e+03	4.322147e+03
##	4301	4302	4303	4304	4305
##	5.203700e+03	4.387079e+03	4.731333e+03	2.573889e+03	3.864759e+03
##	4306	4307	4308	4309	4310
##	3.396722e+03	4.216650e+03	4.394464e+03	4.384039e+03	4.205211e+03
##	4311	4312	4313	4314	4315
##	3.660206e+03	3.862922e+03	3.872762e+03	5.081722e+03	3.635843e+03
##	4316	4317	4318	4319	4320
##	4.575252e+03	3.421336e+03	3.542786e+03	3.537168e+03	3.473919e+03
##	4321	4322	4323	4324	4325
##	4.481051e+03	4.421934e+03	3.776654e+03	4.150420e+03	4.429268e+03
##	4326	4327	4328	4329	4330
##	4.092961e+03	3.761361e+03	3.697478e+03	4.690914e+03	4.651031e+03
##	4331	4332	4333	4334	4335
##	3.661857e+03	2.566608e+03	3.623671e+03	3.639687e+03	4.748532e+03
##	4336	4337	4338	4339	4340

##	2.131068e+03	3.815256e+03	2.583805e+03	5.806143e+03	4.291910e+03
##	4341	4342	4343	4344	4345
##	4.633892e+03	4.577514e+03	2.584381e+03	3.655366e+03	3.850075e+03
##	4346	4347	4348	4349	4350
##	4.367337e+03	3.869814e+03	3.830336e+03	3.833633e+03	4.214016e+03
##	4351	4352	4353	4354	4355
##	5.082337e+03	4.353744e+03	4.724921e+03	2.469537e+03	3.754612e+03
##	4356	4357	4358	4359	4360
##	2.806552e+03	4.676390e+03	4.867074e+03	4.191496e+03	4.324422e+03
##	4361	4362	4363	4364	4365
##	4.967493e+03	5.322200e+03	4.121673e+03	4.367821e+03	3.891615e+03
##	4366	4367	4368	4369	4370
##	4.819420e+03	3.610102e+03	4.457560e+03	4.047374e+03	4.791906e+03
##	4371	4372	4373	4374	4375
##	4.854802e+03	4.206721e+03	2.610037e+03	4.038018e+03	3.047240e+03
##	4376	4377	4378	4379	4380
##	5.006588e+03	3.161137e+03	3.743468e+03	2.493082e+03	4.668637e+03
##	4381	4382	4383	4384	4385
##	1.814625e+02	1.403047e+02	2.817279e+02	1.448833e+02	1.938049e+02
##	4386	4387	4388	4389	4390
##	1.304990e+02	-3.572234e+01	8.643097e+01	2.632026e+02	2.400026e+02
##	4391	4392	4393	4394	4395
##	1.302167e+02	1.863965e+01	2.355147e+02	1.805764e+02	-6.810019e+01
##	4396	4397	4398	4399	4400
##	1.662965e+02	-1.681983e+01	2.780767e+02	2.685163e+02	2.465835e+02
##	4401	4402	4403	4404	4405
##	3.036742e+02	3.127373e+02	3.645539e+02	9.322632e+01	2.693475e+02
##	4406	4407	4408	4409	4410
##	-1.717457e+02	1.127133e+01	2.399065e+02	1.239884e+02	3.081113e+02
##	4411	4412	4413	4414	4415
##	3.360842e+03	3.715498e+03	4.489050e+03	3.728532e+03	3.423082e+03
##	4416	4417	4418	4419	4420
##	3.348234e+03	3.662987e+03	4.449566e+03	4.175605e+03	4.263210e+03
##	4421	4422	4423	4424	4425
##	3.693616e+03	4.753514e+03	4.034192e+03	4.099117e+03	2.944281e+03
##	4426	4427	4428	4429	4430
##	5.765967e+03	4.575429e+03	3.278621e+03	2.576346e+03	3.606735e+03
##	4431	4432	4433	4434	4435
##	4.464851e+03	4.454819e+03	4.135121e+03	3.499217e+03	4.227082e+03
##	4436	4437	4438	4439	4440
##	4.276074e+03	4.902747e+03	2.987892e+03	4.561153e+03	4.283095e+03
##	4441	4442	4443	4444	4445
##	3.261723e+03	3.851409e+03	4.171070e+03	4.741170e+03	4.048810e+03
##	4446	4447	4448	4449	4450
##	3.536541e+03	4.740400e+03	4.244997e+03	4.229346e+03	4.436318e+03
##	4451	4452	4453	4454	4455
##	3.700815e+03	3.782609e+03	3.743832e+03	4.305501e+03	3.609332e+03
##	4456	4457	4458	4459	4460
##	4.095511e+03	4.875818e+03	4.288028e+03	4.350113e+03	4.385740e+03
##	4461	4462	4463	4464	4465
##	3.929818e+03	3.888809e+03	4.168787e+03	4.583690e+03	3.552046e+03
##	4466	4467	4468	4469	4470
##	4.454882e+03	4.467130e+03	4.194590e+03	4.329653e+03	4.384381e+03
##	4471	4472	4473	4474	4475

##	3.946876e+03	4.057959e+03	4.350005e+03	4.535023e+03	2.894536e+03
##	4476	4477	4478	4479	4480
##	4.095920e+03	3.202772e+03	4.598822e+03	4.546405e+03	4.594332e+03
##	4481	4482	4483	4484	4485
##	4.342140e+03	3.847260e+03	3.925541e+03	4.676511e+03	4.616411e+03
##	4486	4487	4488	4489	4490
##	4.747648e+03	4.258440e+03	4.261678e+03	4.257861e+03	4.251289e+03
##	4491	4492	4493	4494	4495
##	2.781082e+03	4.298043e+03	3.589510e+03	3.589510e+03	4.117350e+03
##	4496	4497	4498	4499	4500
##	4.375414e+03	3.617008e+03	3.972480e+03	3.940698e+03	3.894434e+03
##	4501	4502	4503	4504	4505
##	4.565803e+03	4.586764e+03	3.592321e+03	3.495741e+03	3.892553e+03
##	4506	4507	4508	4509	4510
##	4.599732e+03	3.753741e+03	4.148790e+03	3.704303e+03	4.668698e+03
##	4511	4512	4513	4514	4515
##	4.411509e+03	4.001264e+03	3.903053e+03	4.470957e+03	4.263481e+03
##	4516	4517	4518	4519	4520
##	4.792626e+03	4.035226e+03	4.595252e+03	5.808321e+03	5.312203e+03
##	4521	4522	4523	4524	4525
##	5.312203e+03	2.657057e+03	4.650594e+03	2.192820e+03	4.221943e+03
##	4526	4527	4528	4529	4530
##	4.090771e+03	4.055150e+03	4.091164e+03	5.253155e+03	3.777826e+03
##	4531	4532	4533	4534	4535
##	2.394211e+03	3.800990e+03	3.788559e+03	5.340267e+03	4.565588e+03
##	4536	4537	4538	4539	4540
##	4.661317e+03	2.699798e+03	3.008817e+03	3.830102e+03	3.483362e+03
##	4541	4542	4543	4544	4545
##	3.776455e+03	4.189793e+03	3.744227e+03	4.315092e+03	4.256233e+03
##	4546	4547	4548	4549	4550
##	4.359539e+03	3.650330e+03	4.529480e+03	4.776825e+03	4.471867e+03
##	4551	4552	4553	4554	4555
##	3.835628e+03	3.447303e+03	4.015714e+03	4.645924e+03	3.902969e+03
##	4556	4557	4558	4559	4560
##	3.856746e+03	3.559500e+03	4.162360e+03	4.048716e+03	4.337245e+03
##	4561	4562	4563	4564	4565
##	3.606494e+03	4.275093e+03	3.761934e+03	4.603430e+03	4.697485e+03
##	4566	4567	4568	4569	4570
##	5.677995e+03	4.202985e+03	4.130454e+03	4.530134e+03	4.475682e+03
##	4571	4572	4573	4574	4575
##	4.176754e+03	4.105157e+03	4.275208e+03	3.682921e+03	4.486712e+03
##	4576	4577	4578	4579	4580
##	4.671384e+03	4.382918e+03	4.356921e+03	3.906370e+03	3.577519e+03
##	4581	4582	4583	4584	4585
##	3.758139e+03	4.224952e+03	4.128820e+03	4.750390e+03	3.391899e+03
##	4586	4587	4588	4589	4590
##	4.340384e+03	3.770699e+03	4.498514e+03	4.506714e+03	3.999082e+03
##	4591	4592	4593	4594	4595
##	4.486939e+03	3.099472e+03	4.844837e+03	4.513818e+03	4.325782e+03
##	4596	4597	4598	4599	4600
##	2.903301e+03	2.914880e+03	3.598925e+03	3.769322e+03	4.573085e+03
##	4601	4602	4603	4604	4605
##	2.568535e+03	4.094216e+03	3.713086e+03	4.221812e+03	4.271593e+03
##	4606	4607	4608	4609	4610

##	3.615320e+03	3.837260e+03	5.059659e+03	3.680402e+03	3.731675e+03
##	4611	4612	4613	4614	4615
##	3.720052e+03	3.712318e+03	3.679918e+03	3.896686e+03	3.916929e+03
##	4616	4617	4618	4619	4620
##	3.250339e+03	4.308479e+03	3.929645e+03	4.173375e+03	4.644020e+03
##	4621	4622	4623	4624	4625
##	3.659373e+03	3.361577e+03	4.920117e+03	3.961479e+03	3.009366e+03
##	4626	4627	4628	4629	4630
##	3.056769e+03	4.666551e+03	3.306110e+03	3.601790e+03	4.199118e+03
##	4631	4632	4633	4634	4635
##	4.406510e+03	3.727441e+03	4.482664e+03	4.750907e+03	4.190766e+03
##	4636	4637	4638	4639	4640
##	4.786280e+03	4.309539e+03	4.248654e+03	4.522149e+03	4.370805e+03
##	4641	4642	4643	4644	4645
##	4.253893e+03	4.194984e+03	2.786195e+03	3.987712e+03	4.129438e+03
##	4646	4647	4648	4649	4650
##	4.418977e+03	4.301782e+03	4.760320e+03	4.171995e+03	4.612390e+03
##	4651	4652	4653	4654	4655
##	4.180088e+03	4.346742e+03	4.378674e+03	4.433534e+03	4.805119e+03
##	4656	4657	4658	4659	4660
##	4.258327e+03	4.492418e+03	4.386662e+03	3.696212e+03	2.682350e+03
##	4661	4662	4663	4664	4665
##	2.408465e+03	3.913341e+03	4.843954e+03	4.363230e+03	4.482075e+03
##	4666	4667	4668	4669	4670
##	4.097639e+03	5.097392e+03	3.935717e+03	4.578697e+03	4.833242e+03
##	4671	4672	4673	4674	4675
##	4.691114e+03	3.768846e+03	4.768527e+03	3.733086e+03	4.413573e+03
##	4676	4677	4678	4679	4680
##	4.397872e+03	3.000430e+03	5.003666e+03	4.463138e+03	4.452406e+03
##	4681	4682	4683	4684	4685
##	4.155123e+03	3.683851e+03	3.407222e+03	3.378279e+03	3.360784e+03
##	4686	4687	4688	4689	4690
##	4.838956e+03	4.675364e+03	4.481928e+03	4.606136e+03	4.109279e+03
##	4691	4692	4693	4694	4695
##	5.039099e+03	4.403293e+03	3.297146e+03	4.198066e+03	3.931243e+03
##	4696	4697	4698	4699	4700
##	4.950437e+03	4.116133e+03	4.397795e+03	4.249210e+03	4.292684e+03
##	4701	4702	4703	4704	4705
##	4.444672e+03	2.484048e+03	2.895252e+03	2.750027e+03	4.555141e+03
##	4706	4707	4708	4709	4710
##	4.330395e+03	3.818625e+03	3.199918e+03	3.719452e+03	3.854089e+03
##	4711	4712	4713	4714	4715
##	-4.307769e+01	1.197020e+02	1.132206e+01	3.281033e+02	1.055020e+03
##	4716	4717	4718	4719	4720
##	9.563859e+02	1.007981e+03	-1.006739e+03	4.842325e+02	5.432577e+02
##	4721	4722	4723	4724	4725
##	-5.419188e+02	-7.664527e+02	-1.245111e+03	-1.125001e+03	-1.123742e+03
##	4726	4727	4728	4729	4730
##	-1.224686e+03	-1.254862e+03	-1.255369e+03	-1.443496e+03	-5.399715e+02
##	4731	4732	4733	4734	4735
##	6.044390e+02	5.486154e+02	5.084021e+02	5.357074e+02	5.526210e+02
##	4736	4737	4738	4739	4740
##	5.290177e+02	5.200020e+02	5.434432e+02	5.920032e+02	5.097609e+02
##	4741	4742	4743	4744	4745

##	3.918444e+03	4.422758e+03	4.381544e+03	4.409026e+03	3.721172e+03
##	4746	4747	4748	4749	4750
##	3.188788e+03	4.346410e+03	4.722477e+03	3.621548e+03	4.437358e+03
##	4751	4752	4753	4754	4755
##	3.893563e+03	3.924905e+03	4.742914e+03	2.608121e+03	3.736035e+03
##	4756	4757	4758	4759	4760
##	4.481374e+03	3.393363e+03	4.969155e+03	4.661507e+03	4.753377e+03
##	4761	4762	4763	4764	4765
##	4.579885e+03	3.995205e+03	4.013625e+03	4.731893e+03	4.687932e+03
##	4766	4767	4768	4769	4770
##	4.321181e+03	3.754544e+03	3.879438e+03	4.188738e+03	3.180457e+03
##	4771	4772	4773	4774	4775
##	3.549293e+03	2.830816e+03	4.266420e+03	4.362537e+03	4.097403e+03
##	4776	4777	4778	4779	4780
##	4.746771e+03	4.318378e+03	4.792076e+03	4.194926e+03	3.060518e+03
##	4781	4782	4783	4784	4785
##	3.714587e+03	4.243588e+03	5.987261e+03	4.717336e+03	4.571937e+03
##	4786	4787	4788	4789	4790
##	4.381510e+03	3.036182e+03	4.488849e+03	4.790317e+03	4.366708e+03
##	4791	4792	4793	4794	4795
##	5.433504e+03	5.476562e+03	4.276126e+03	4.958180e+03	5.063619e+03
##	4796	4797	4798	4799	4800
##	4.779483e+03	4.592192e+03	4.571281e+03	3.683134e+03	3.719603e+03
##	4801	4802	4803	4804	4805
##	3.772850e+03	4.557685e+03	5.393792e+03	3.306110e+03	4.657858e+03
##	4806	4807	4808	4809	4810
##	4.636018e+03	4.638740e+03	4.472484e+03	5.477193e+03	5.077112e+03
##	4811	4812	4813	4814	4815
##	4.055872e+03	4.296578e+03	3.717399e+03	4.005514e+03	4.001812e+03
##	4816	4817	4818	4819	4820
##	3.710077e+03	3.635025e+03	3.841705e+03	3.773555e+03	3.564407e+03
##	4821	4822	4823	4824	4825
##	3.728004e+03	3.689342e+03	3.619800e+03	3.659076e+03	3.710384e+03
##	4826	4827	4828	4829	4830
##	3.608242e+03	3.593894e+03	3.566589e+03	3.670985e+03	4.424437e+03
##	4831	4832	4833	4834	4835
##	4.833099e+03	4.428155e+03	3.926328e+03	4.088941e+03	4.178269e+03
##	4836	4837	4838	4839	4840
##	3.803755e+03	4.052852e+03	3.997253e+03	3.899310e+03	4.138892e+03
##	4841	4842	4843	4844	4845
##	4.606474e+03	4.122363e+03	4.641780e+03	3.927038e+03	4.755909e+03
##	4846	4847	4848	4849	4850
##	3.198847e+03	3.992612e+03	3.973934e+03	4.019938e+03	4.013887e+03
##	4851	4852	4853	4854	4855
##	3.995762e+03	4.003643e+03	4.063853e+03	4.018681e+03	4.024279e+03
##	4856	4857	4858	4859	4860
##	4.036563e+03	4.020343e+03	4.000057e+03	4.386219e+03	3.518785e+03
##	4861	4862	4863	4864	4865
##	3.419765e+03	3.508395e+03	3.722932e+03	5.182068e+03	4.336161e+03
##	4866	4867	4868	4869	4870
##	3.553035e+03	4.410931e+03	4.354841e+03	4.562551e+03	3.721521e+03
##	4871	4872	4873	4874	4875
##	4.029948e+03	4.173853e+03	3.849233e+03	4.067629e+03	4.193379e+03
##	4876	4877	4878	4879	4880

##	4.622553e+03	4.714046e+03	4.549981e+03	3.707412e+03	3.824243e+03
##	4881	4882	4883	4884	4885
##	3.864254e+03	4.793521e+03	4.279823e+03	3.686152e+03	4.683762e+03
##	4886	4887	4888	4889	4890
##	4.843624e+03	3.897900e+03	4.403179e+03	3.587539e+03	4.560597e+03
##	4891	4892	4893	4894	4895
##	4.111239e+03	2.310132e+03	4.386567e+03	4.556330e+03	4.098883e+03
##	4896	4897	4898	4899	4900
##	4.641380e+03	4.641071e+03	4.368138e+03	4.513236e+03	4.243838e+03
##	4901	4902	4903	4904	4905
##	3.686505e+03	3.460952e+03	4.016196e+03	3.887511e+03	4.003556e+03
##	4906	4907	4908	4909	4910
##	4.225810e+03	5.643529e+03	3.989993e+03	4.320196e+03	4.305594e+03
##	4911	4912	4913	4914	4915
##	4.700554e+03	4.447516e+03	4.553345e+03	4.165201e+03	4.451245e+03
##	4916	4917	4918	4919	4920
##	3.487297e+03	4.548328e+03	4.323438e+03	4.017099e+03	3.771959e+03
##	4921	4922	4923	4924	4925
##	3.596227e+03	3.768305e+03	3.365586e+03	4.218295e+03	3.952461e+03
##	4926	4927	4928	4929	4930
##	5.299358e+03	3.258472e+03	2.725716e+03	3.672052e+03	4.961789e+03
##	4931	4932	4933	4934	4935
##	3.481496e+03	3.835875e+03	4.102657e+03	4.154460e+03	4.777421e+03
##	4936	4937	4938	4939	4940
##	4.682392e+03	4.005281e+03	3.886421e+03	3.622227e+03	2.692794e+03
##	4941	4942	4943	4944	4945
##	3.910585e+03	3.646936e+03	3.823157e+03	4.492898e+03	2.968652e+03
##	4946	4947	4948	4949	4950
##	3.041237e+03	4.720248e+03	4.638312e+03	3.550930e+03	5.222676e+03
##	4951	4952	4953	4954	4955
##	4.403792e+03	3.897932e+03	3.576655e+03	4.773307e+03	2.564077e+03
##	4956	4957	4958	4959	4960
##	4.246572e+03	4.210625e+03	4.421995e+03	4.250604e+03	3.939052e+03
##	4961	4962	4963	4964	4965
##	4.811213e+03	4.653105e+03	4.404384e+03	4.195466e+03	4.202531e+03
##	4966	4967	4968	4969	4970
##	4.170153e+03	3.982887e+03	4.434509e+03	3.760489e+03	4.412365e+03
##	4971	4972	4973	4974	4975
##	5.700759e+03	5.718140e+03	4.170120e+03	4.289546e+03	5.235477e+03
##	4976	4977	4978	4979	4980
##	4.542338e+03	4.422981e+03	3.569723e+03	4.405531e+03	4.449566e+03
##	4981	4982	4983	4984	4985
##	4.543965e+03	3.694017e+03	3.750783e+03	4.570392e+03	4.564953e+03
##	4986	4987	4988	4989	4990
##	6.107024e+03	3.662303e+03	4.527822e+03	3.745968e+03	4.425208e+03
##	4991	4992	4993	4994	4995
##	2.929179e+03	3.965843e+03	3.674183e+03	3.813751e+03	3.775844e+03
##	4996	4997	4998	4999	5000
##	4.325977e+03	3.603401e+03	4.466415e+03	3.065209e+03	3.818398e+03
##	5001	5002	5003	5004	5005
##	4.694485e+03	5.486582e+03	3.843982e+03	4.710735e+03	5.008059e+03
##	5006	5007	5008	5009	5010
##	3.837398e+03	4.251836e+03	3.817481e+03	4.539821e+03	3.976906e+03
##	5011	5012	5013	5014	5015

##	2.631093e+03	2.443333e+03	2.734495e+03	2.854537e+03	4.673960e+03
##	5016	5017	5018	5019	5020
##	3.766285e+03	3.827996e+03	4.493467e+03	3.971969e+03	2.776617e+03
##	5021	5022	5023	5024	5025
##	3.530057e+03	3.707966e+03	4.510421e+03	3.885756e+03	3.794487e+03
##	5026	5027	5028	5029	5030
##	3.971568e+03	4.649706e+03	4.048554e+03	4.763191e+03	3.538992e+03
##	5031	5032	5033	5034	5035
##	3.499384e+03	4.886101e+03	4.095155e+03	3.210218e+03	3.998301e+03
##	5036	5037	5038	5039	5040
##	3.644208e+03	4.056873e+03	4.597313e+03	5.474624e+03	3.999823e+03
##	5041	5042	5043	5044	5045
##	5.681470e+02	-1.201201e+02	-5.553243e+02	-5.744398e+02	-5.164191e+02
##	5046	5047	5048	5049	5050
##	-5.604602e+02	-7.516169e+02	-7.173032e+02	-7.998427e+02	-7.514224e+02
##	5051	5052	5053	5054	5055
##	-1.090080e+03	-9.181195e+02	-7.633260e+02	-8.023351e+02	-8.542804e+02
##	5056	5057	5058	5059	5060
##	-9.203226e+02	-7.532789e+02	3.873523e+02	4.243141e+02	-1.142088e+03
##	5061	5062	5063	5064	5065
##	-9.161522e+02	-8.715777e+02	-9.602024e+02	-9.565565e+02	-4.659720e+02
##	5066	5067	5068	5069	5070
##	-3.915151e+02	-6.600359e+02	-3.974071e+02	-3.123794e+02	-4.057992e+02
##	5071	5072	5073	5074	5075
##	4.526427e+03	3.976411e+03	4.719455e+03	4.140236e+03	4.388817e+03
##	5076	5077	5078	5079	5080
##	4.431851e+03	3.361519e+03	3.753882e+03	6.343956e+03	4.529763e+03
##	5081	5082	5083	5084	5085
##	4.205470e+03	3.817900e+03	4.439523e+03	4.420666e+03	4.234757e+03
##	5086	5087	5088	5089	5090
##	4.267846e+03	4.425497e+03	4.655915e+03	3.042352e+03	3.887732e+03
##	5091	5092	5093	5094	5095
##	4.671663e+03	4.762429e+03	4.620600e+03	3.263918e+03	4.576232e+03
##	5096	5097	5098	5099	5100
##	2.619432e+03	4.452164e+03	3.868594e+03	3.007804e+03	4.537139e+03
##	5101	5102	5103	5104	5105
##	2.426191e+03	4.148211e+03	4.217545e+03	4.051630e+03	3.784067e+03
##	5106	5107	5108	5109	5110
##	4.084581e+03	4.080976e+03	4.087056e+03	4.088187e+03	4.108428e+03
##	5111	5112	5113	5114	5115
##	4.140952e+03	4.124795e+03	4.112439e+03	4.096353e+03	4.453322e+03
##	5116	5117	5118	5119	5120
##	4.868656e+03	5.550605e+03	4.317201e+03	3.420099e+03	4.442117e+03
##	5121	5122	5123	5124	5125
##	4.032325e+03	2.955260e+03	3.781762e+03	3.827230e+03	4.343081e+03
##	5126	5127	5128	5129	5130
##	4.125150e+03	4.577976e+03	3.941889e+03	3.893195e+03	3.866230e+03
##	5131	5132	5133	5134	5135
##	3.857420e+03	4.340795e+03	4.392688e+03	5.180617e+03	4.651098e+03
##	5136	5137	5138	5139	5140
##	5.112132e+03	3.091417e+03	5.060522e+03	5.152622e+03	3.840692e+03
##	5141	5142	5143	5144	5145
##	4.552991e+03	4.501023e+03	5.436273e+03	4.563905e+03	4.083107e+03
##	5146	5147	5148	5149	5150

##	5.016207e+03	3.780152e+03	4.242137e+03	4.094033e+03	3.361577e+03
##	5151	5152	5153	5154	5155
##	4.703217e+03	3.919457e+03	4.554989e+03	4.469800e+03	4.444083e+03
##	5156	5157	5158	5159	5160
##	2.313262e+03	3.511282e+03	4.055872e+03	3.876194e+03	3.599243e+03
##	5161	5162	5163	5164	5165
##	3.578890e+03	3.622835e+03	3.638778e+03	3.471292e+03	3.938033e+03
##	5166	5167	5168	5169	5170
##	3.040745e+03	3.722836e+03	3.945058e+03	3.840918e+03	3.887779e+03
##	5171	5172	5173	5174	5175
##	3.937208e+03	4.551409e+03	4.745273e+03	3.813397e+03	3.701465e+03
##	5176	5177	5178	5179	5180
##	3.701465e+03	4.192233e+03	4.523448e+03	4.418350e+03	4.389710e+03
##	5181	5182	5183	5184	5185
##	3.939409e+03	3.452172e+03	4.131812e+03	4.410655e+03	4.374156e+03
##	5186	5187	5188	5189	5190
##	4.117058e+03	4.810808e+03	4.411022e+03	4.195908e+03	4.341156e+03
##	5191	5192	5193	5194	5195
##	4.194018e+03	4.534112e+03	5.040009e+03	4.290081e+03	3.995861e+03
##	5196	5197	5198	5199	5200
##	4.331773e+03	4.808514e+03	4.246872e+03	4.457959e+03	4.501919e+03
##	5201	5202	5203	5204	5205
##	4.729578e+03	4.611053e+03	5.176501e+03	5.245217e+03	3.150875e+03
##	5206	5207	5208	5209	5210
##	5.664251e+03	3.369332e+03	2.685714e+03	3.398871e+03	4.551164e+03
##	5211	5212	5213	5214	5215
##	3.962510e+03	4.432395e+03	3.457501e+03	3.348514e+03	3.626668e+03
##	5216	5217	5218	5219	5220
##	4.341237e+03	6.672807e+03	4.630959e+03	4.003572e+03	3.828107e+03
##	5221	5222	5223	5224	5225
##	4.289980e+03	3.894393e+03	4.380451e+03	3.165424e+03	4.338843e+03
##	5226	5227	5228	5229	5230
##	4.248549e+03	4.226165e+03	4.044459e+03	3.623425e+03	3.377463e+03
##	5231	5232	5233	5234	5235
##	4.013234e+03	4.338148e+03	4.352856e+03	3.461223e+03	3.645740e+03
##	5236	5237	5238	5239	5240
##	5.970152e+03	3.414464e+03	3.024863e+03	3.657094e+03	3.474410e+03
##	5241	5242	5243	5244	5245
##	3.762441e+03	3.839616e+03	3.893371e+03	3.492962e+03	6.583509e+03
##	5246	5247	5248	5249	5250
##	4.571927e+03	4.618575e+03	3.879224e+03	4.466465e+03	3.920492e+03
##	5251	5252	5253	5254	5255
##	4.041223e+03	3.916622e+03	4.593155e+03	3.741659e+03	3.472644e+03
##	5256	5257	5258	5259	5260
##	3.415136e+03	4.794325e+03	4.631946e+03	2.544145e+03	4.754909e+03
##	5261	5262	5263	5264	5265
##	3.048569e+03	5.676364e+03	3.042479e+03	4.495800e+03	4.538119e+03
##	5266	5267	5268	5269	5270
##	3.692365e+03	4.093741e+03	4.458031e+03	4.454315e+03	4.225458e+03
##	5271	5272	5273	5274	5275
##	4.807957e+03	4.930404e+03	3.772121e+03	4.166432e+03	4.195939e+03
##	5276	5277	5278	5279	5280
##	5.148043e+03	3.217757e+03	4.452849e+03	4.842611e+03	3.917925e+03
##	5281	5282	5283	5284	5285

##	4.621927e+03	4.075232e+03	3.783444e+03	4.471734e+03	4.280685e+03
##	5286	5287	5288	5289	5290
##	4.054527e+03	4.502410e+03	4.477593e+03	4.035281e+03	4.912190e+03
##	5291	5292	5293	5294	5295
##	3.891726e+03	4.590097e+03	4.654455e+03	4.491600e+03	4.728176e+03
##	5296	5297	5298	5299	5300
##	4.809196e+03	4.647571e+03	4.246909e+03	4.345657e+03	3.964996e+03
##	5301	5302	5303	5304	5305
##	2.641901e+03	4.556243e+03	4.714020e+03	4.568293e+03	2.829454e+03
##	5306	5307	5308	5309	5310
##	3.676364e+03	3.667330e+03	3.629018e+03	3.622767e+03	3.700068e+03
##	5311	5312	5313	5314	5315
##	4.826943e+03	3.634863e+03	3.761619e+03	3.982561e+03	4.358070e+03
##	5316	5317	5318	5319	5320
##	5.429861e+03	4.132859e+03	3.599199e+03	4.063316e+03	3.855290e+03
##	5321	5322	5323	5324	5325
##	3.971196e+03	3.714898e+03	4.575926e+03	4.474724e+03	4.928996e+03
##	5326	5327	5328	5329	5330
##	8.316769e+02	4.342136e+03	4.314756e+03	3.824329e+03	4.364893e+03
##	5331	5332	5333	5334	5335
##	4.441789e+03	4.337983e+03	2.773630e+03	4.033483e+03	4.410117e+03
##	5336	5337	5338	5339	5340
##	3.039202e+03	4.466811e+03	4.453254e+03	4.405109e+03	3.497978e+03
##	5341	5342	5343	5344	5345
##	4.568106e+03	4.551108e+03	3.916292e+03	3.835202e+03	4.534891e+03
##	5346	5347	5348	5349	5350
##	3.579653e+03	5.130189e+03	4.808394e+03	4.745590e+03	4.092193e+03
##	5351	5352	5353	5354	5355
##	4.866215e+03	4.661450e+03	4.571493e+03	3.765107e+03	5.061218e+03
##	5356	5357	5358	5359	5360
##	3.699540e+03	4.180951e+03	4.374103e+03	4.474428e+03	4.463048e+03
##	5361	5362	5363	5364	5365
##	4.190474e+03	4.194510e+03	3.552106e+03	3.607449e+03	4.542524e+03
##	5366	5367	5368	5369	5370
##	3.213194e+03	4.004765e+03	4.565653e+03	4.632353e+03	3.938987e+03
##	5371	5372	5373	5374	5375
##	-9.190197e+02	-7.674631e+02	-9.001949e+02	-9.033693e+02	-4.270331e+02
##	5376	5377	5378	5379	5380
##	-1.091217e+03	-1.320000e+03	-1.174670e+03	-1.122250e+03	-1.110857e+03
##	5381	5382	5383	5384	5385
##	-1.128764e+03	-1.126065e+03	-1.178953e+03	-9.820538e+02	-9.466082e+02
##	5386	5387	5388	5389	5390
##	-7.235893e+02	-3.463689e+02	-4.646057e+02	-3.615389e+02	-4.353139e+02
##	5391	5392	5393	5394	5395
##	-3.607997e+02	-4.771612e+02	-8.407646e+02	-9.331003e+02	-7.347989e+02
##	5396	5397	5398	5399	5400
##	-8.785069e+02	-8.330836e+02	-9.294944e+02	-8.898486e+02	-9.874203e+02
##	5401	5402	5403	5404	5405
##	3.594227e+03	3.399962e+03	3.479384e+03	3.478134e+03	4.491268e+03
##	5406	5407	5408	5409	5410
##	3.438312e+03	4.373262e+03	4.590602e+03	5.506510e+03	5.208395e+03
##	5411	5412	5413	5414	5415
##	4.192949e+03	3.638255e+03	6.453463e+03	4.418174e+03	5.196776e+03
##	5416	5417	5418	5419	5420

##	4.533898e+03	4.521536e+03	4.582904e+03	4.294718e+03	4.109638e+03
##	5421	5422	5423	5424	5425
##	3.754108e+03	4.882763e+03	4.187726e+03	3.282820e+03	4.002159e+03
##	5426	5427	5428	5429	5430
##	2.996283e+03	4.570878e+03	3.233382e+03	4.082166e+03	5.136097e+03
##	5431	5432	5433	5434	5435
##	4.000345e+03	4.484943e+03	4.467379e+03	4.620892e+03	3.448749e+03
##	5436	5437	5438	5439	5440
##	3.673636e+03	4.793968e+03	4.027050e+03	3.458679e+03	4.059377e+03
##	5441	5442	5443	5444	5445
##	4.489749e+03	4.483626e+03	4.998031e+03	4.620865e+03	4.395540e+03
##	5446	5447	5448	5449	5450
##	2.404766e+03	4.044322e+03	5.591934e+03	3.736743e+03	3.371206e+03
##	5451	5452	5453	5454	5455
##	3.905996e+03	5.088140e+03	4.765438e+03	4.389083e+03	4.401055e+03
##	5456	5457	5458	5459	5460
##	4.184815e+03	4.367136e+03	4.433383e+03	4.759464e+03	3.428456e+03
##	5461	5462	5463	5464	5465
##	4.467728e+03	3.908582e+03	4.381919e+03	3.231376e+03	3.798600e+03
##	5466	5467	5468	5469	5470
##	4.172691e+03	4.051933e+03	4.441260e+03	4.226840e+03	4.483691e+03
##	5471	5472	5473	5474	5475
##	3.786757e+03	4.941556e+03	4.156994e+03	4.487165e+03	3.973671e+03
##	5476	5477	5478	5479	5480
##	3.954957e+03	4.123800e+03	5.398837e+03	2.262368e+03	4.741246e+03
##	5481	5482	5483	5484	5485
##	4.493462e+03	4.857325e+03	3.985368e+03	4.235543e+03	4.405830e+03
##	5486	5487	5488	5489	5490
##	4.411704e+03	4.414871e+03	4.509806e+03	5.095683e+03	4.670584e+03
##	5491	5492	5493	5494	5495
##	3.331749e+03	4.651248e+03	4.623489e+03	3.762178e+03	4.694380e+03
##	5496	5497	5498	5499	5500
##	4.710781e+03	3.888696e+03	4.351764e+03	4.173163e+03	3.630288e+03
##	5501	5502	5503	5504	5505
##	4.251796e+03	4.271856e+03	3.721369e+03	3.716045e+03	4.283589e+03
##	5506	5507	5508	5509	5510
##	4.718689e+03	3.843982e+03	4.622823e+03	5.268669e+03	3.107389e+03
##	5511	5512	5513	5514	5515
##	3.871805e+03	3.974683e+03	4.049640e+03	3.879000e+03	4.575711e+03
##	5516	5517	5518	5519	5520
##	4.230267e+03	4.242644e+03	4.141479e+03	3.601687e+03	3.808613e+03
##	5521	5522	5523	5524	5525
##	3.891532e+03	3.807184e+03	4.965621e+03	4.474663e+03	4.251289e+03
##	5526	5527	5528	5529	5530
##	4.348182e+03	4.287515e+03	4.214880e+03	3.414000e+03	4.507484e+03
##	5531	5532	5533	5534	5535
##	4.616788e+03	4.577985e+03	3.777973e+03	3.880331e+03	4.536553e+03
##	5536	5537	5538	5539	5540
##	4.825817e+03	3.125040e+03	3.244279e+03	3.880814e+03	4.128588e+03
##	5541	5542	5543	5544	5545
##	4.365037e+03	4.672141e+03	3.824659e+03	3.779486e+03	3.497498e+03
##	5546	5547	5548	5549	5550
##	3.535251e+03	3.704394e+03	3.553808e+03	3.505562e+03	3.346927e+03
##	5551	5552	5553	5554	5555

##	3.592889e+03	3.735185e+03	3.634656e+03	4.747703e+03	3.604760e+03
##	5556	5557	5558	5559	5560
##	4.526335e+03	4.432879e+03	4.445782e+03	4.227176e+03	5.069738e+03
##	5561	5562	5563	5564	5565
##	4.613221e+03	4.061391e+03	4.146483e+03	4.534452e+03	4.586915e+03
##	5566	5567	5568	5569	5570
##	4.425968e+03	4.835040e+03	4.785446e+03	4.150543e+03	3.713195e+03
##	5571	5572	5573	5574	5575
##	4.475808e+03	4.578319e+03	3.700508e+03	4.396128e+03	4.349645e+03
##	5576	5577	5578	5579	5580
##	5.886688e+03	4.959049e+03	4.662666e+03	4.665921e+03	3.663766e+03
##	5581	5582	5583	5584	5585
##	3.924492e+03	4.594677e+03	5.869778e+03	4.194728e+03	5.615292e+03
##	5586	5587	5588	5589	5590
##	3.867278e+03	4.785043e+03	2.946782e+03	3.794106e+03	6.237642e+03
##	5591	5592	5593	5594	5595
##	6.200851e+03	4.396705e+03	4.472572e+03	4.605629e+03	4.097854e+03
##	5596	5597	5598	5599	5600
##	4.032708e+03	4.867778e+03	4.835680e+03	3.996421e+03	4.842476e+03
##	5601	5602	5603	5604	5605
##	3.700278e+03	5.098848e+03	4.065327e+03	4.012547e+03	5.640707e+03
##	5606	5607	5608	5609	5610
##	4.113471e+03	3.482027e+03	4.754262e+03	2.973081e+03	4.261709e+03
##	5611	5612	5613	5614	5615
##	3.720871e+03	3.771523e+03	3.831104e+03	3.320676e+03	5.245992e+03
##	5616	5617	5618	5619	5620
##	4.514683e+03	2.861893e+03	3.428367e+03	3.719430e+03	4.737832e+03
##	5621	5622	5623	5624	5625
##	4.400633e+03	4.513040e+03	3.795425e+03	4.046647e+03	4.801410e+03
##	5626	5627	5628	5629	5630
##	4.013964e+03	4.082683e+03	4.578459e+03	4.489143e+03	4.450832e+03
##	5631	5632	5633	5634	5635
##	4.461356e+03	4.472165e+03	3.767957e+03	4.265383e+03	3.849632e+03
##	5636	5637	5638	5639	5640
##	4.696005e+03	3.532403e+03	4.524855e+03	4.430607e+03	4.407856e+03
##	5641	5642	5643	5644	5645
##	4.623033e+03	4.281668e+03	4.690167e+03	4.834105e+03	4.985003e+03
##	5646	5647	5648	5649	5650
##	5.155900e+03	4.211374e+03	4.289902e+03	4.501291e+03	4.429464e+03
##	5651	5652	5653	5654	5655
##	4.797288e+03	4.914621e+03	5.452877e+03	4.361395e+03	4.548239e+03
##	5656	5657	5658	5659	5660
##	4.563749e+03	4.472113e+03	4.506788e+03	5.428821e+03	4.484672e+03
##	5661	5662	5663	5664	5665
##	3.457264e+03	4.292483e+03	3.672048e+03	4.801829e+03	4.994734e+03
##	5666	5667	5668	5669	5670
##	5.428821e+03	4.272377e+03	5.470028e+03	6.041005e+03	5.105315e+03
##	5671	5672	5673	5674	5675
##	4.596211e+03	4.558056e+03	4.516584e+03	3.896826e+03	4.794098e+03
##	5676	5677	5678	5679	5680
##	4.801711e+03	4.557578e+03	5.351530e+03	3.457354e+03	4.758265e+03
##	5681	5682	5683	5684	5685
##	4.514267e+03	4.478401e+03	4.079325e+03	5.025329e+03	3.652988e+03
##	5686	5687	5688	5689	5690

##	3.281487e+03	4.550247e+03	4.587002e+03	3.955868e+03	4.375413e+03
##	5691	5692	5693	5694	5695
##	4.411882e+03	3.729215e+03	4.425504e+03	4.544496e+03	4.590768e+03
##	5696	5697	5698	5699	5700
##	4.329182e+03	4.019714e+03	4.322368e+03	3.918882e+03	4.910332e+03
##	5701	5702	5703	5704	5705
##	-9.572442e+02	-9.419256e+02	-9.250066e+02	-9.324106e+02	-9.163681e+02
##	5706	5707	5708	5709	5710
##	-8.444213e+02	5.931547e+02	8.875293e+02	8.877876e+02	7.546032e+02
##	5711	5712	5713	5714	5715
##	8.382096e+02	7.791112e+02	7.506654e+02	9.486283e+02	8.764667e+02
##	5716	5717	5718	5719	5720
##	7.738842e+02	9.853527e+02	9.030123e+02	8.192662e+02	8.170591e+02
##	5721	5722	5723	5724	5725
##	8.713434e+02	8.470030e+02	7.953311e+02	8.702202e+02	8.670232e+02
##	5726	5727	5728	5729	5730
##	1.136780e+03	1.210667e+03	1.013201e+03	9.312932e+02	9.270972e+02
##	5731	5732	5733	5734	5735
##	4.554355e+03	5.585152e+03	3.902570e+03	4.285133e+03	3.916200e+03
##	5736	5737	5738	5739	5740
##	3.446201e+03	5.682610e+03	4.536545e+03	3.928013e+03	3.847921e+03
##	5741	5742	5743	5744	5745
##	4.641171e+03	4.478163e+03	3.746199e+03	4.493577e+03	4.588369e+03
##	5746	5747	5748	5749	5750
##	3.642673e+03	4.733410e+03	5.115479e+03	4.555692e+03	4.454594e+03
##	5751	5752	5753	5754	5755
##	4.190013e+03	4.507562e+03	3.552442e+03	4.219646e+03	3.809399e+03
##	5756	5757	5758	5759	5760
##	4.373025e+03	6.569794e+03	4.654342e+03	4.596085e+03	4.747801e+03
##	5761	5762	5763	5764	5765
##	4.700250e+03	4.346954e+03	4.602135e+03	4.681027e+03	4.437119e+03
##	5766	5767	5768	5769	5770
##	4.515507e+03	4.662588e+03	4.495793e+03	3.769501e+03	4.712539e+03
##	5771	5772	5773	5774	5775
##	5.783599e+03	3.919888e+03	3.934738e+03	4.572455e+03	3.447609e+03
##	5776	5777	5778	5779	5780
##	5.635488e+03	4.553648e+03	4.445454e+03	4.395281e+03	5.047425e+03
##	5781	5782	5783	5784	5785
##	4.550625e+03	3.722591e+03	3.802103e+03	5.196463e+03	4.425055e+03
##	5786	5787	5788	5789	5790
##	4.455709e+03	4.919886e+03	3.776266e+03	4.668706e+03	4.659467e+03
##	5791	5792	5793	5794	5795
##	4.543097e+03	2.549662e+03	3.265843e+03	4.363890e+03	4.634841e+03
##	5796	5797	5798	5799	5800
##	4.506523e+03	2.513861e+03	4.517197e+03	4.193518e+03	4.349849e+03
##	5801	5802	5803	5804	5805
##	4.129479e+03	3.578461e+03	4.539157e+03	3.493945e+03	4.136221e+03
##	5806	5807	5808	5809	5810
##	4.689854e+03	4.836967e+03	5.101036e+03	4.000252e+03	4.705542e+03
##	5811	5812	5813	5814	5815
##	4.135603e+03	4.761674e+03	3.943993e+03	4.467071e+03	3.603084e+03
##	5816	5817	5818	5819	5820
##	4.417327e+03	4.494269e+03	4.028630e+03	5.574957e+03	4.275450e+03
##	5821	5822	5823	5824	5825

##	4.969535e+03	1.483465e+03	4.222982e+03	4.263289e+03	4.735169e+03
##	5826	5827	5828	5829	5830
##	4.724966e+03	4.153807e+03	4.191981e+03	3.961781e+03	3.624871e+03
##	5831	5832	5833	5834	5835
##	4.740800e+03	4.647634e+03	5.298647e+03	4.823943e+03	3.892039e+03
##	5836	5837	5838	5839	5840
##	3.044332e+03	5.435483e+03	4.852611e+03	4.370000e+03	4.409794e+03
##	5841	5842	5843	5844	5845
##	4.265766e+03	4.490252e+03	3.803260e+03	5.547058e+03	4.799183e+03
##	5846	5847	5848	5849	5850
##	3.670240e+03	4.053789e+03	4.294068e+03	3.839949e+03	3.850817e+03
##	5851	5852	5853	5854	5855
##	3.708004e+03	4.100764e+03	4.015060e+03	3.938623e+03	4.575144e+03
##	5856	5857	5858	5859	5860
##	4.257489e+03	3.485247e+03	1.706192e+03	4.657503e+03	4.390989e+03
##	5861	5862	5863	5864	5865
##	3.834201e+03	4.232192e+03	5.367138e+03	4.451596e+03	3.761388e+03
##	5866	5867	5868	5869	5870
##	4.742336e+03	4.382508e+03	4.651818e+03	4.210574e+03	4.273117e+03
##	5871	5872	5873	5874	5875
##	4.582047e+03	3.765722e+03	4.985395e+03	3.680725e+03	2.824742e+03
##	5876	5877	5878	5879	5880
##	4.442430e+03	4.524828e+03	3.717768e+03	4.943245e+03	3.573996e+03
##	5881	5882	5883	5884	5885
##	3.710616e+03	4.494422e+03	4.147451e+03	4.011317e+03	4.491375e+03
##	5886	5887	5888	5889	5890
##	4.568598e+03	4.762707e+03	4.454229e+03	3.498279e+03	4.500811e+03
##	5891	5892	5893	5894	5895
##	4.473438e+03	4.758328e+03	4.258281e+03	4.468908e+03	4.693922e+03
##	5896	5897	5898	5899	5900
##	3.851044e+03	4.334065e+03	4.496138e+03	5.233664e+03	5.288377e+03
##	5901	5902	5903	5904	5905
##	4.717362e+03	4.946655e+03	3.119967e+03	4.510397e+03	4.711178e+03
##	5906	5907	5908	5909	5910
##	4.429523e+03	4.432756e+03	4.874118e+03	4.012335e+03	5.003990e+03
##	5911	5912	5913	5914	5915
##	4.722311e+03	3.838650e+03	4.519605e+03	4.595808e+03	4.034719e+03
##	5916	5917	5918	5919	5920
##	4.957484e+03	4.432940e+03	4.471238e+03	4.666455e+03	3.981417e+03
##	5921	5922	5923	5924	5925
##	3.995770e+03	4.179365e+03	4.208718e+03	4.062786e+03	3.949796e+03
##	5926	5927	5928	5929	5930
##	3.893695e+03	3.842831e+03	4.065967e+03	3.990055e+03	2.995103e+03
##	5931	5932	5933	5934	5935
##	6.838190e+03	2.932366e+03	3.964159e+03	4.408740e+03	4.138088e+03
##	5936	5937	5938	5939	5940
##	4.745190e+03	4.658898e+03	4.587684e+03	4.435374e+03	4.065570e+03
##	5941	5942	5943	5944	5945
##	4.381326e+03	5.086471e+03	2.790643e+03	4.467404e+03	4.143604e+03
##	5946	5947	5948	5949	5950
##	4.846211e+03	4.134775e+03	4.544792e+03	4.686177e+03	3.386780e+03
##	5951	5952	5953	5954	5955
##	5.108165e+03	4.246971e+03	4.043618e+03	4.478363e+03	4.267066e+03
##	5956	5957	5958	5959	5960

##	4.420829e+03	4.543414e+03	4.569102e+03	4.385698e+03	4.604903e+03
##	5961	5962	5963	5964	5965
##	4.586601e+03	4.526814e+03	4.412289e+03	4.567302e+03	4.365796e+03
##	5966	5967	5968	5969	5970
##	4.715628e+03	4.582349e+03	4.509849e+03	3.457473e+03	4.599888e+03
##	5971	5972	5973	5974	5975
##	4.578891e+03	4.627111e+03	4.680167e+03	4.363440e+03	3.681658e+03
##	5976	5977	5978	5979	5980
##	4.779402e+03	4.195842e+03	4.249188e+03	3.627438e+03	4.545583e+03
##	5981	5982	5983	5984	5985
##	4.956562e+03	3.949628e+03	4.315289e+03	5.574625e+03	3.511688e+03
##	5986	5987	5988	5989	5990
##	4.604300e+03	4.842426e+03	3.796526e+03	4.439150e+03	4.643194e+03
##	5991	5992	5993	5994	5995
##	4.528111e+03	4.502331e+03	5.022215e+03	4.199216e+03	4.277857e+03
##	5996	5997	5998	5999	6000
##	4.569434e+03	4.060429e+03	4.382018e+03	3.848399e+03	3.896340e+03
##	6001	6002	6003	6004	6005
##	3.919978e+03	3.698678e+03	3.933866e+03	4.329800e+03	4.619763e+03
##	6006	6007	6008	6009	6010
##	3.958751e+03	4.234225e+03	4.137002e+03	3.723907e+03	4.495488e+03
##	6011	6012	6013	6014	6015
##	4.610824e+03	4.760345e+03	5.579799e+03	3.872007e+03	4.770391e+03
##	6016	6017	6018	6019	6020
##	4.067538e+03	4.587846e+03	4.865632e+03	4.822290e+03	5.033611e+03
##	6021	6022	6023	6024	6025
##	4.434777e+03	3.534379e+03	3.545711e+03	4.620737e+03	4.682516e+03
##	6026	6027	6028	6029	6030
##	4.439647e+03	4.782371e+03	4.727244e+03	5.048010e+03	4.048680e+03
##	6031	6032	6033	6034	6035
##	9.953473e+02	8.924840e+02	-3.340817e+02	4.070488e+02	2.371882e+02
##	6036	6037	6038	6039	6040
##	2.107195e+02	9.931901e+02	4.165885e+02	6.919146e+02	1.120766e+02
##	6041	6042	6043	6044	6045
##	3.768737e+02	-6.395637e+02	-1.006050e+03	-8.398225e+02	-9.323563e+02
##	6046	6047	6048	6049	6050
##	-8.977979e+02	-4.878723e+02	-5.259971e+02	-6.088177e+02	-7.322755e+02
##	6051	6052	6053	6054	6055
##	-5.448596e+02	-6.349882e+02	-5.330921e+02	-6.068930e+02	-5.975949e+02
##	6056	6057	6058	6059	6060
##	-5.852598e+02	-5.119996e+02	-5.550383e+02	-6.345113e+02	-6.810015e+02
##	6061	6062	6063	6064	6065
##	3.899595e+03	5.662710e+03	4.659026e+03	4.474033e+03	4.466618e+03
##	6066	6067	6068	6069	6070
##	4.465559e+03	4.094156e+03	4.670619e+03	4.692484e+03	5.720776e+03
##	6071	6072	6073	6074	6075
##	4.725568e+03	4.755553e+03	3.977805e+03	5.034873e+03	3.965274e+03
##	6076	6077	6078	6079	6080
##	3.960603e+03	3.764676e+03	3.993364e+03	5.083663e+03	4.934324e+03
##	6081	6082	6083	6084	6085
##	3.795656e+03	3.417073e+03	3.476131e+03	4.534923e+03	4.868833e+03
##	6086	6087	6088	6089	6090
##	4.609192e+03	4.247919e+03	4.571045e+03	4.138457e+03	4.762396e+03
##	6091	6092	6093	6094	6095

##	4.894175e+03	3.848072e+03	3.975031e+03	3.976944e+03	4.583271e+03
##	6096	6097	6098	6099	6100
##	4.021432e+03	3.376253e+03	3.717093e+03	4.468696e+03	4.489216e+03
##	6101	6102	6103	6104	6105
##	4.465466e+03	4.448369e+03	4.837572e+03	4.084585e+03	4.302206e+03
##	6106	6107	6108	6109	6110
##	3.570766e+03	5.170661e+03	4.323175e+03	4.629487e+03	5.259442e+03
##	6111	6112	6113	6114	6115
##	5.329257e+03	4.159580e+03	4.358737e+03	3.526938e+03	4.512237e+03
##	6116	6117	6118	6119	6120
##	4.161225e+03	4.521883e+03	3.984394e+03	4.910315e+03	4.430110e+03
##	6121	6122	6123	6124	6125
##	2.637871e+03	4.672043e+03	4.602919e+03	5.209854e+03	4.381301e+03
##	6126	6127	6128	6129	6130
##	3.506374e+03	4.328546e+03	3.948535e+03	5.362259e+03	3.378924e+03
##	6131	6132	6133	6134	6135
##	4.354707e+03	4.335428e+03	4.259918e+03	3.644544e+03	4.498840e+03
##	6136	6137	6138	6139	6140
##	3.784591e+03	4.385643e+03	3.577157e+03	4.504060e+03	1.432571e+03
##	6141	6142	6143	6144	6145
##	4.305159e+03	4.523233e+03	4.303477e+03	4.474823e+03	4.514133e+03
##	6146	6147	6148	6149	6150
##	4.375078e+03	3.954166e+03	4.383471e+03	5.151646e+03	4.798508e+03
##	6151	6152	6153	6154	6155
##	4.402392e+03	4.104593e+03	4.057836e+03	4.358788e+03	4.414682e+03
##	6156	6157	6158	6159	6160
##	4.816239e+03	5.303027e+03	4.625270e+03	4.515648e+03	2.523153e+03
##	6161	6162	6163	6164	6165
##	3.876784e+03	4.681804e+03	3.866527e+03	3.662090e+03	3.762633e+03
##	6166	6167	6168	6169	6170
##	4.687062e+03	5.369835e+03	4.798686e+03	5.271683e+03	4.049642e+03
##	6171	6172	6173	6174	6175
##	4.423985e+03	4.556081e+03	4.546745e+03	4.372405e+03	4.514678e+03
##	6176	6177	6178	6179	6180
##	4.671277e+03	4.579030e+03	5.027922e+03	4.409175e+03	4.513681e+03
##	6181	6182	6183	6184	6185
##	4.497160e+03	4.272236e+03	4.277230e+03	4.113708e+03	3.485748e+03
##	6186	6187	6188	6189	6190
##	4.465809e+03	4.359840e+03	3.494679e+03	4.683766e+03	4.844658e+03
##	6191	6192	6193	6194	6195
##	2.689878e+03	4.243691e+03	4.750128e+03	4.693728e+03	4.728296e+03
##	6196	6197	6198	6199	6200
##	4.890763e+03	4.718705e+03	3.677054e+03	3.430100e+03	3.498829e+03
##	6201	6202	6203	6204	6205
##	3.995650e+03	3.995785e+03	4.452224e+03	4.314546e+03	5.522986e+03
##	6206	6207	6208	6209	6210
##	3.953257e+03	4.469014e+03	3.822091e+03	3.970562e+03	4.511276e+03
##	6211	6212	6213	6214	6215
##	3.991152e+03	4.973730e+03	4.540159e+03	3.098703e+03	4.382978e+03
##	6216	6217	6218	6219	6220
##	4.786552e+03	3.368908e+03	4.103463e+03	4.613379e+03	5.486384e+03
##	6221	6222	6223	6224	6225
##	4.721560e+03	4.469800e+03	4.546208e+03	4.585608e+03	4.604637e+03
##	6226	6227	6228	6229	6230

##	4.704989e+03	4.027356e+03	3.994962e+03	4.706144e+03	4.552715e+03
##	6231	6232	6233	6234	6235
##	4.574872e+03	4.656290e+03	4.742658e+03	4.707971e+03	4.666334e+03
##	6236	6237	6238	6239	6240
##	4.475019e+03	4.556841e+03	4.605067e+03	4.058501e+03	3.966673e+03
##	6241	6242	6243	6244	6245
##	3.908459e+03	3.960888e+03	4.641425e+03	4.066947e+03	2.890431e+03
##	6246	6247	6248	6249	6250
##	4.535964e+03	4.477671e+03	4.523980e+03	4.228338e+03	4.526186e+03
##	6251	6252	6253	6254	6255
##	4.165645e+03	5.012632e+03	5.603482e+03	4.796130e+03	4.878485e+03
##	6256	6257	6258	6259	6260
##	3.899048e+03	3.934440e+03	4.030770e+03	4.010869e+03	4.096504e+03
##	6261	6262	6263	6264	6265
##	4.833171e+03	4.429849e+03	4.561686e+03	6.428767e+03	4.574526e+03
##	6266	6267	6268	6269	6270
##	3.835070e+03	4.687367e+03	3.542720e+03	4.896861e+03	5.334086e+03
##	6271	6272	6273	6274	6275
##	4.885517e+03	4.503260e+03	4.932907e+03	2.954388e+03	4.493648e+03
##	6276	6277	6278	6279	6280
##	3.754769e+03	4.203445e+03	4.228987e+03	3.083788e+03	4.573865e+03
##	6281	6282	6283	6284	6285
##	5.163339e+03	4.597826e+03	4.582330e+03	4.684117e+03	4.719333e+03
##	6286	6287	6288	6289	6290
##	4.653463e+03	4.851255e+03	4.552502e+03	4.308882e+03	4.391827e+03
##	6291	6292	6293	6294	6295
##	5.071640e+03	4.856122e+03	4.705884e+03	3.821162e+03	4.371526e+03
##	6296	6297	6298	6299	6300
##	4.326067e+03	4.421842e+03	4.185695e+03	4.556933e+03	4.774841e+03
##	6301	6302	6303	6304	6305
##	3.724498e+03	5.054654e+03	5.017326e+03	3.335329e+03	5.719917e+03
##	6306	6307	6308	6309	6310
##	5.703176e+03	5.413237e+03	3.959730e+03	4.208384e+03	3.404244e+03
##	6311	6312	6313	6314	6315
##	3.592499e+03	5.513553e+03	5.690763e+03	4.717008e+03	4.423842e+03
##	6316	6317	6318	6319	6320
##	4.498532e+03	4.502496e+03	3.985543e+03	4.961143e+03	4.381395e+03
##	6321	6322	6323	6324	6325
##	4.272504e+03	4.888478e+03	5.203160e+03	4.889120e+03	4.023712e+03
##	6326	6327	6328	6329	6330
##	3.975288e+03	4.007260e+03	3.980360e+03	3.978747e+03	5.499572e+03
##	6331	6332	6333	6334	6335
##	4.439059e+03	5.002415e+03	4.755520e+03	4.356307e+03	3.824973e+03
##	6336	6337	6338	6339	6340
##	4.314306e+03	4.403910e+03	3.824973e+03	3.765564e+03	3.563392e+03
##	6341	6342	6343	6344	6345
##	3.918289e+03	6.507388e+03	4.219757e+03	5.708686e+03	4.454619e+03
##	6346	6347	6348	6349	6350
##	5.506870e+03	3.822508e+03	5.490527e+03	6.566081e+03	4.580814e+03
##	6351	6352	6353	6354	6355
##	4.658594e+03	4.604371e+03	4.698511e+03	3.828645e+03	4.806248e+03
##	6356	6357	6358	6359	6360
##	6.031766e+03	4.515622e+03	4.519528e+03	3.670474e+03	4.690814e+03
##	6361	6362	6363	6364	6365

##	-7.131224e+02	-6.940057e+02	-6.100261e+02	-5.776482e+02	-6.897320e+02
##	6366	6367	6368	6369	6370
##	-8.181767e+02	-8.105157e+02	-8.151384e+02	-7.379233e+02	-7.608368e+02
##	6371	6372	6373	6374	6375
##	-7.857666e+02	-9.679250e+02	-8.962859e+02	-1.023126e+03	-2.080599e+01
##	6376	6377	6378	6379	6380
##	7.765776e+02	8.368874e+02	8.889401e+02	1.016403e+03	8.778311e+02
##	6381	6382	6383	6384	6385
##	8.121164e+02	9.413818e+02	8.140599e+02	1.199459e+03	8.381371e+02
##	6386	6387	6388	6389	6390
##	8.120203e+02	6.900253e+02	9.332427e+02	8.440409e+02	2.822852e+02
##	6391	6392	6393	6394	6395
##	3.826042e+03	4.711334e+03	4.796268e+03	4.777122e+03	4.825525e+03
##	6396	6397	6398	6399	6400
##	4.562630e+03	4.978499e+03	4.478859e+03	4.390013e+03	4.450027e+03
##	6401	6402	6403	6404	6405
##	4.602704e+03	3.160717e+03	4.555275e+03	4.525624e+03	4.543993e+03
##	6406	6407	6408	6409	6410
##	4.077063e+03	4.096733e+03	3.932275e+03	4.198187e+03	4.814085e+03
##	6411	6412	6413	6414	6415
##	4.940079e+03	5.705244e+03	3.979496e+03	4.833264e+03	4.267435e+03
##	6416	6417	6418	6419	6420
##	3.908525e+03	4.467791e+03	3.315926e+03	4.125286e+03	4.750866e+03
##	6421	6422	6423	6424	6425
##	4.467728e+03	4.465467e+03	4.403656e+03	4.637197e+03	4.488299e+03
##	6426	6427	6428	6429	6430
##	4.749319e+03	4.742543e+03	3.596748e+03	4.928971e+03	4.999086e+03
##	6431	6432	6433	6434	6435
##	5.008906e+03	5.607089e+03	5.082900e+03	4.757324e+03	5.231761e+03
##	6436	6437	6438	6439	6440
##	4.519752e+03	4.460640e+03	4.509411e+03	4.478905e+03	7.020330e+03
##	6441	6442	6443	6444	6445
##	4.229937e+03	4.746165e+03	3.446183e+03	4.595701e+03	4.340663e+03
##	6446	6447	6448	6449	6450
##	4.325873e+03	3.772926e+03	5.139835e+03	6.375676e+03	4.722078e+03
##	6451	6452	6453	6454	6455
##	4.649665e+03	4.521987e+03	3.145079e+03	4.748686e+03	4.013334e+03
##	6456	6457	6458	6459	6460
##	4.031948e+03	3.946901e+03	3.932102e+03	4.881226e+03	4.316106e+03
##	6461	6462	6463	6464	6465
##	4.942861e+03	4.063250e+03	4.077527e+03	3.943137e+03	4.351398e+03
##	6466	6467	6468	6469	6470
##	4.023455e+03	4.832823e+03	4.645131e+03	4.618318e+03	4.760603e+03
##	6471	6472	6473	6474	6475
##	4.601546e+03	3.700798e+03	2.848301e+03	4.756952e+03	4.634984e+03
##	6476	6477	6478	6479	6480
##	4.956374e+03	4.415159e+03	4.690774e+03	2.778290e+03	4.587387e+03
##	6481	6482	6483	6484	6485
##	4.747836e+03	4.469985e+03	4.448049e+03	5.730744e+03	4.359131e+03
##	6486	6487	6488	6489	6490
##	3.901608e+03	4.507295e+03	4.008520e+03	4.561109e+03	4.224602e+03
##	6491	6492	6493	6494	6495
##	4.388825e+03	6.209389e+03	5.117474e+03	3.560032e+03	4.402941e+03
##	6496	6497	6498	6499	6500

##	4.582473e+03	5.152844e+03	5.708104e+03	4.619912e+03	5.340301e+03
##	6501	6502	6503	6504	6505
##	4.312951e+03	4.313120e+03	4.383372e+03	4.887451e+03	4.486339e+03
##	6506	6507	6508	6509	6510
##	4.927793e+03	5.333693e+03	5.397513e+03	4.453372e+03	4.779294e+03
##	6511	6512	6513	6514	6515
##	4.446375e+03	4.543878e+03	6.645412e+03	4.868969e+03	4.817803e+03
##	6516	6517	6518	6519	6520
##	4.982618e+03	5.390186e+03	3.971513e+03	4.656847e+03	4.929570e+03
##	6521	6522	6523	6524	6525
##	4.801829e+03	3.509967e+03	5.227284e+03	4.133171e+03	4.654107e+03
##	6526	6527	6528	6529	6530
##	4.724264e+03	4.807109e+03	4.758832e+03	4.790843e+03	4.642925e+03
##	6531	6532	6533	6534	6535
##	4.896116e+03	3.734408e+03	4.306535e+03	4.329678e+03	4.750446e+03
##	6536	6537	6538	6539	6540
##	4.154756e+03	4.876823e+03	5.691044e+03	6.028224e+03	5.893779e+03
##	6541	6542	6543	6544	6545
##	4.396137e+03	5.456365e+03	4.612790e+03	4.920735e+03	4.611458e+03
##	6546	6547	6548	6549	6550
##	4.703967e+03	3.940026e+03	3.771198e+03	5.198190e+03	4.353618e+03
##	6551	6552	6553	6554	6555
##	4.545146e+03	4.369205e+03	3.394924e+03	4.442712e+03	4.174017e+03
##	6556	6557	6558	6559	6560
##	3.509992e+03	4.667847e+03	4.402252e+03	4.907304e+03	4.318569e+03
##	6561	6562	6563	6564	6565
##	4.764777e+03	5.547485e+03	4.750583e+03	4.483165e+03	4.421106e+03
##	6566	6567	6568	6569	6570
##	3.594066e+03	4.657349e+03	4.906609e+03	4.689457e+03	4.543564e+03
##	6571	6572	6573	6574	6575
##	4.863308e+03	5.026767e+03	4.597562e+03	4.332574e+03	4.291684e+03
##	6576	6577	6578	6579	6580
##	5.420287e+03	4.558566e+03	5.256190e+03	3.801544e+03	3.726694e+03
##	6581	6582	6583	6584	6585
##	3.974884e+03	4.042318e+03	4.159968e+03	4.736599e+03	4.114598e+03
##	6586	6587	6588	6589	6590
##	4.138603e+03	4.016318e+03	3.945376e+03	4.504435e+03	6.141705e+03
##	6591	6592	6593	6594	6595
##	4.551822e+03	6.077798e+03	4.233685e+03	4.555164e+03	5.012340e+03
##	6596	6597	6598	6599	6600
##	3.383317e+03	4.414631e+03	4.879250e+03	4.519705e+03	4.796928e+03
##	6601	6602	6603	6604	6605
##	4.531977e+03	4.568321e+03	4.372080e+03	4.461761e+03	4.882913e+03
##	6606	6607	6608	6609	6610
##	4.909021e+03	3.783430e+03	3.739895e+03	4.494916e+03	4.599723e+03
##	6611	6612	6613	6614	6615
##	4.658828e+03	4.053569e+03	4.081965e+03	4.533528e+03	4.468551e+03
##	6616	6617	6618	6619	6620
##	4.467597e+03	4.557132e+03	4.504387e+03	4.565870e+03	6.685191e+03
##	6621	6622	6623	6624	6625
##	4.256254e+03	5.468750e+03	4.662032e+03	3.550359e+03	4.152548e+03
##	6626	6627	6628	6629	6630
##	5.036997e+03	4.289912e+03	6.214570e+03	4.850865e+03	4.891863e+03
##	6631	6632	6633	6634	6635

##	4.572724e+03	4.769227e+03	5.608058e+03	3.871138e+03	4.502711e+03
##	6636	6637	6638	6639	6640
##	3.749415e+03	4.289404e+03	3.987044e+03	4.715720e+03	4.358362e+03
##	6641	6642	6643	6644	6645
##	4.376299e+03	5.128506e+03	5.667604e+03	3.896965e+03	6.147151e+03
##	6646	6647	6648	6649	6650
##	4.049499e+03	3.859752e+03	3.573488e+03	4.490793e+03	4.744167e+03
##	6651	6652	6653	6654	6655
##	4.767040e+03	4.486492e+03	4.517267e+03	4.835913e+03	5.032858e+03
##	6656	6657	6658	6659	6660
##	4.923575e+03	4.500734e+03	3.583885e+03	4.818319e+03	4.533818e+03
##	6661	6662	6663	6664	6665
##	4.371629e+03	4.060176e+03	4.575332e+03	5.041531e+03	4.139738e+03
##	6666	6667	6668	6669	6670
##	6.292090e+03	4.113418e+03	3.998759e+03	6.506635e+03	3.901606e+03
##	6671	6672	6673	6674	6675
##	4.250929e+03	4.056794e+03	4.157472e+03	3.343171e+03	4.759424e+03
##	6676	6677	6678	6679	6680
##	2.684873e+03	4.582005e+03	5.484720e+03	5.980727e+03	4.143509e+03
##	6681	6682	6683	6684	6685
##	3.613165e+03	3.065803e+03	3.092374e+03	3.071038e+03	4.532657e+03
##	6686	6687	6688	6689	6690
##	4.147787e+03	4.109243e+03	5.549002e+03	5.561158e+03	4.315117e+03
##	6691	6692	6693	6694	6695
##	-1.228405e+03	-1.317418e+03	-1.319827e+03	-1.288621e+03	-1.160371e+03
##	6696	6697	6698	6699	6700
##	-1.419770e+03	-1.128246e+03	-1.516015e+03	-1.414649e+03	-1.380807e+03
##	6701	6702	6703	6704	6705
##	-2.158216e+03	1.628677e+02	-1.932196e+03	6.029239e+02	-1.898024e+03
##	6706	6707	6708	6709	6710
##	-1.268874e+03	-1.271745e+03	2.822978e+02	4.594932e+02	-1.308020e+02
##	6711	6712	6713	6714	6715
##	-1.519180e+03	5.794356e+02	7.611748e+02	-3.326688e+02	-9.070597e+02
##	6716	6717	6718	6719	6720
##	-8.378189e+02	-1.412040e+03	-9.857941e+02	-8.357501e+02	-7.732934e+02
##	6721	6722	6723	6724	6725
##	2.815481e+02	5.599003e+02	3.941326e+02	3.644341e+02	3.587850e+02
##	6726	6727	6728	6729	6730
##	4.641536e+02	6.435342e+02	7.512025e+02	2.070791e+02	2.038126e+02
##	6731	6732	6733	6734	6735
##	8.417704e+01	4.842340e+01	6.610462e+02	4.344608e+02	4.713736e+02
##	6736	6737	6738	6739	6740
##	-5.046168e+02	8.182782e+02	-3.951415e+02	-4.677273e+02	7.229988e+02
##	6741	6742	6743	6744	6745
##	-9.001375e+02	1.434539e+02	5.038272e+02	3.401558e+02	-6.914820e+01
##	6746	6747	6748	6749	6750
##	8.609735e+01	-8.528140e+01	4.735963e+01	4.026756e+02	3.526460e+02
##	6751	6752	6753	6754	6755
##	4.272868e+03	4.637751e+03	5.321484e+03	5.026945e+03	4.729595e+03
##	6756	6757	6758	6759	6760
##	4.594615e+03	4.012282e+03	4.569819e+03	5.080590e+03	3.072438e+03
##	6761	6762	6763	6764	6765
##	5.981579e+03	4.698021e+03	5.451199e+03	4.776529e+03	4.846743e+03
##	6766	6767	6768	6769	6770

##	6.703399e+03	3.339693e+03	4.728708e+03	4.737684e+03	4.832214e+03
##	6771	6772	6773	6774	6775
##	4.694925e+03	4.644616e+03	5.041456e+03	4.972366e+03	4.716484e+03
##	6776	6777	6778	6779	6780
##	4.877834e+03	4.271366e+03	4.009950e+03	4.747305e+03	5.377578e+03
##	6781	6782	6783	6784	6785
##	3.954035e+03	4.123429e+03	4.313356e+03	4.189184e+03	3.937101e+03
##	6786	6787	6788	6789	6790
##	5.537006e+03	4.484105e+03	5.234998e+03	4.154555e+03	3.626149e+03
##	6791	6792	6793	6794	6795
##	4.337997e+03	4.313470e+03	4.289537e+03	4.516388e+03	3.895438e+03
##	6796	6797	6798	6799	6800
##	4.524874e+03	5.400593e+03	4.695493e+03	4.674167e+03	4.286781e+03
##	6801	6802	6803	6804	6805
##	4.226524e+03	4.710814e+03	4.262082e+03	4.803601e+03	4.906580e+03
##	6806	6807	6808	6809	6810
##	4.885999e+03	4.573755e+03	4.728965e+03	4.649662e+03	3.652507e+03
##	6811	6812	6813	6814	6815
##	4.846760e+03	4.688247e+03	3.846721e+03	4.601591e+03	3.895590e+03
##	6816	6817	6818	6819	6820
##	5.114993e+03	4.531667e+03	5.360061e+03	5.379345e+03	5.412693e+03
##	6821	6822	6823	6824	6825
##	4.520014e+03	4.455331e+03	4.568220e+03	4.667532e+03	4.046977e+03
##	6826	6827	6828	6829	6830
##	4.490834e+03	4.148029e+03	4.413445e+03	5.450055e+03	4.393397e+03
##	6831	6832	6833	6834	6835
##	4.637069e+03	4.230289e+03	4.685913e+03	4.834408e+03	4.656288e+03
##	6836	6837	6838	6839	6840
##	4.409823e+03	4.601519e+03	4.642931e+03	3.987616e+03	4.047480e+03
##	6841	6842	6843	6844	6845
##	3.982995e+03	3.910762e+03	5.231013e+03	5.100728e+03	4.416992e+03
##	6846	6847	6848	6849	6850
##	4.830034e+03	5.096813e+03	3.225556e+03	3.707613e+03	4.602616e+03
##	6851	6852	6853	6854	6855
##	4.524264e+03	4.321491e+03	4.736623e+03	3.957105e+03	4.978019e+03
##	6856	6857	6858	6859	6860
##	4.385784e+03	5.001533e+03	4.304624e+03	4.528630e+03	3.050776e+03
##	6861	6862	6863	6864	6865
##	4.936656e+03	5.061536e+03	4.624909e+03	4.676906e+03	3.994992e+03
##	6866	6867	6868	6869	6870
##	5.575257e+03	4.579072e+03	4.551320e+03	4.518866e+03	5.264286e+03
##	6871	6872	6873	6874	6875
##	4.502960e+03	5.451983e+03	4.425100e+03	4.028734e+03	5.270345e+03
##	6876	6877	6878	6879	6880
##	4.127432e+03	3.126058e+03	4.486304e+03	4.887058e+03	5.123967e+03
##	6881	6882	6883	6884	6885
##	4.170959e+03	5.674691e+03	3.958029e+03	4.940245e+03	6.766989e+03
##	6886	6887	6888	6889	6890
##	3.924930e+03	4.877444e+03	4.361266e+03	3.832656e+03	6.405678e+03
##	6891	6892	6893	6894	6895
##	3.549257e+03	4.453515e+03	5.017978e+03	5.013163e+03	3.711259e+03
##	6896	6897	6898	6899	6900
##	4.625593e+03	5.183381e+03	5.534565e+03	4.110487e+03	4.158927e+03
##	6901	6902	6903	6904	6905

##	4.955162e+03	4.532726e+03	4.276161e+03	4.340566e+03	4.775256e+03
##	6906	6907	6908	6909	6910
##	4.735845e+03	4.153351e+03	4.843513e+03	4.872447e+03	5.064927e+03
##	6911	6912	6913	6914	6915
##	4.806207e+03	4.774468e+03	4.936993e+03	3.575796e+03	4.912142e+03
##	6916	6917	6918	6919	6920
##	5.131043e+03	4.945071e+03	4.995905e+03	4.730219e+03	4.572724e+03
##	6921	6922	6923	6924	6925
##	4.761203e+03	4.740588e+03	4.780916e+03	5.402338e+03	4.754645e+03
##	6926	6927	6928	6929	6930
##	4.762137e+03	5.162774e+03	5.061256e+03	3.376853e+03	4.973158e+03
##	6931	6932	6933	6934	6935
##	4.440405e+03	4.584922e+03	5.486324e+03	3.321745e+03	5.115275e+03
##	6936	6937	6938	6939	6940
##	5.767383e+03	4.167310e+03	4.165782e+03	6.426263e+03	4.557518e+03
##	6941	6942	6943	6944	6945
##	6.091776e+03	3.726340e+03	5.142403e+03	4.645370e+03	4.215829e+03
##	6946	6947	6948	6949	6950
##	4.319855e+03	4.186397e+03	4.749238e+03	5.288506e+03	5.535077e+03
##	6951	6952	6953	6954	6955
##	4.314306e+03	4.403910e+03	4.609265e+03	4.666823e+03	4.790688e+03
##	6956	6957	6958	6959	6960
##	4.486746e+03	4.143779e+03	4.478611e+03	4.990568e+03	4.545394e+03
##	6961	6962	6963	6964	6965
##	4.540033e+03	4.843159e+03	4.664936e+03	4.314801e+03	3.751372e+03
##	6966	6967	6968	6969	6970
##	4.571401e+03	5.158350e+03	4.165793e+03	5.164540e+03	4.275002e+03
##	6971	6972	6973	6974	6975
##	4.058310e+03	4.846918e+03	4.994053e+03	4.794294e+03	5.058209e+03
##	6976	6977	6978	6979	6980
##	4.723652e+03	4.632565e+03	5.026755e+03	3.120023e+03	3.687943e+03
##	6981	6982	6983	6984	6985
##	3.516747e+03	4.073883e+03	3.717232e+03	4.504657e+03	6.067810e+03
##	6986	6987	6988	6989	6990
##	4.329823e+03	4.863092e+03	4.582843e+03	4.584422e+03	4.519444e+03
##	6991	6992	6993	6994	6995
##	4.540277e+03	4.483129e+03	3.445218e+03	4.358449e+03	5.995461e+03
##	6996	6997	6998	6999	7000
##	4.928427e+03	4.321187e+03	4.664028e+03	4.475731e+03	4.542610e+03
##	7001	7002	7003	7004	7005
##	4.483815e+03	4.622858e+03	5.568374e+03	5.366435e+03	4.507295e+03
##	7006	7007	7008	7009	7010
##	4.620243e+03	4.811250e+03	4.311673e+03	4.532714e+03	4.618011e+03
##	7011	7012	7013	7014	7015
##	4.236479e+03	3.489816e+03	5.235812e+03	4.632221e+03	4.573734e+03
##	7016	7017	7018	7019	7020
##	4.942756e+03	4.929214e+03	5.331360e+03	4.236732e+03	4.291132e+03
##	7021	7022	7023	7024	7025
##	5.448392e+03	4.636322e+03	5.095886e+03	5.236762e+03	4.639718e+03
##	7026	7027	7028	7029	7030
##	4.547210e+03	4.616306e+03	5.507584e+03	4.405452e+03	4.443354e+03
##	7031	7032	7033	7034	7035
##	4.669877e+03	4.675541e+03	3.955096e+03	5.384761e+03	4.751868e+03
##	7036	7037	7038	7039	7040

##	4.543425e+03	4.562784e+03	3.986917e+03	4.694524e+03	4.702941e+03
##	7041	7042	7043	7044	7045
##	4.883285e+03	4.673317e+03	4.782185e+03	4.786588e+03	4.700217e+03
##	7046	7047	7048	7049	7050
##	4.636587e+03	4.726177e+03	3.730041e+03	3.717524e+03	4.525818e+03
##	7051	7052	7053	7054	7055
##	1.920063e+02	2.105200e+02	4.004739e+02	3.461186e+02	3.822492e+02
##	7056	7057	7058	7059	7060
##	7.688954e+01	4.042212e+02	1.823044e+02	1.413977e+02	1.688441e+02
##	7061	7062	7063	7064	7065
##	4.524781e+02	1.527616e+02	3.681909e+02	2.334335e+02	3.950528e+02
##	7066	7067	7068	7069	7070
##	-7.696709e+01	3.636560e+02	3.742527e+02	1.117624e+02	1.382197e+02
##	7071	7072	7073	7074	7075
##	3.414639e+02	1.841420e+02	4.987546e+02	3.907554e+02	4.520686e+02
##	7076	7077	7078	7079	7080
##	1.720103e+02	4.537667e+01	2.127968e+02	1.731564e+02	5.697795e+02
##	7081	7082	7083	7084	7085
##	3.937268e+03	4.069328e+03	4.911460e+03	5.062255e+03	4.384476e+03
##	7086	7087	7088	7089	7090
##	4.654992e+03	4.759699e+03	4.702471e+03	3.947055e+03	4.603005e+03
##	7091	7092	7093	7094	7095
##	4.936194e+03	4.399493e+03	4.450996e+03	3.967185e+03	4.464536e+03
##	7096	7097	7098	7099	7100
##	3.960706e+03	4.410096e+03	5.348479e+03	4.366159e+03	4.397376e+03
##	7101	7102	7103	7104	7105
##	6.106436e+03	4.831967e+03	4.008784e+03	4.047090e+03	5.220995e+03
##	7106	7107	7108	7109	7110
##	5.576716e+03	4.560913e+03	4.123597e+03	4.004112e+03	4.342554e+03
##	7111	7112	7113	7114	7115
##	6.567029e+03	5.605169e+03	4.754484e+03	4.310557e+03	4.175963e+03
##	7116	7117	7118	7119	7120
##	3.485259e+03	4.080006e+03	4.588009e+03	4.550111e+03	4.342908e+03
##	7121	7122	7123	7124	7125
##	5.458903e+03	3.773448e+03	3.804684e+03	4.454500e+03	4.308186e+03
##	7126	7127	7128	7129	7130
##	4.472738e+03	4.744357e+03	4.643160e+03	4.564283e+03	4.643084e+03
##	7131	7132	7133	7134	7135
##	4.632053e+03	4.106579e+03	4.684148e+03	4.469847e+03	2.621564e+03
##	7136	7137	7138	7139	7140
##	4.606683e+03	3.817693e+03	4.959724e+03	4.453286e+03	5.579545e+03
##	7141	7142	7143	7144	7145
##	5.068888e+03	5.533470e+03	4.309764e+03	5.449192e+03	4.673935e+03
##	7146	7147	7148	7149	7150
##	5.427361e+03	5.068052e+03	4.554993e+03	4.975915e+03	7.214824e+03
##	7151	7152	7153	7154	7155
##	5.023585e+03	4.926806e+03	4.904910e+03	4.577516e+03	6.062694e+03
##	7156	7157	7158	7159	7160
##	4.817173e+03	4.372203e+03	5.420662e+03	4.897423e+03	5.005893e+03
##	7161	7162	7163	7164	7165
##	4.373985e+03	4.461422e+03	4.027166e+03	4.842978e+03	4.918951e+03
##	7166	7167	7168	7169	7170
##	4.674484e+03	4.981530e+03	4.614695e+03	4.788665e+03	4.872627e+03
##	7171	7172	7173	7174	7175

##	4.848891e+03	4.637678e+03	4.676055e+03	4.327654e+03	4.389535e+03
##	7176	7177	7178	7179	7180
##	4.396137e+03	3.850079e+03	4.274564e+03	4.394402e+03	5.480505e+03
##	7181	7182	7183	7184	7185
##	5.353208e+03	5.179931e+03	5.187986e+03	4.180266e+03	4.406728e+03
##	7186	7187	7188	7189	7190
##	5.328502e+03	5.968414e+03	4.612319e+03	4.557102e+03	4.632634e+03
##	7191	7192	7193	7194	7195
##	4.973511e+03	4.723214e+03	4.667225e+03	4.617303e+03	4.503659e+03
##	7196	7197	7198	7199	7200
##	4.646533e+03	4.383477e+03	5.163171e+03	3.631322e+03	4.225002e+03
##	7201	7202	7203	7204	7205
##	5.251258e+03	4.673113e+03	4.594485e+03	4.955840e+03	5.143189e+03
##	7206	7207	7208	7209	7210
##	5.919562e+03	4.783756e+03	4.779275e+03	3.842496e+03	4.977294e+03
##	7211	7212	7213	7214	7215
##	4.634421e+03	4.493366e+03	4.780483e+03	4.176394e+03	4.951610e+03
##	7216	7217	7218	7219	7220
##	5.092245e+03	4.895716e+03	4.833125e+03	4.925255e+03	4.247743e+03
##	7221	7222	7223	7224	7225
##	4.240998e+03	3.975447e+03	4.669188e+03	4.632467e+03	4.677784e+03
##	7226	7227	7228	7229	7230
##	4.058147e+03	4.316057e+03	5.177677e+03	5.344766e+03	4.957484e+03
##	7231	7232	7233	7234	7235
##	3.940609e+03	3.585154e+03	4.770190e+03	3.612970e+03	4.133724e+03
##	7236	7237	7238	7239	7240
##	4.780532e+03	4.458941e+03	4.997644e+03	4.582992e+03	5.241221e+03
##	7241	7242	7243	7244	7245
##	4.283547e+03	4.423939e+03	4.372730e+03	5.399162e+03	5.673218e+03
##	7246	7247	7248	7249	7250
##	4.342504e+03	4.603332e+03	4.702826e+03	4.905302e+03	4.083908e+03
##	7251	7252	7253	7254	7255
##	4.596166e+03	4.670380e+03	4.379287e+03	4.680216e+03	4.812788e+03
##	7256	7257	7258	7259	7260
##	4.373683e+03	4.771618e+03	4.389225e+03	4.186241e+03	3.748158e+03
##	7261	7262	7263	7264	7265
##	4.773317e+03	5.389761e+03	3.839501e+03	5.000846e+03	4.296343e+03
##	7266	7267	7268	7269	7270
##	4.266329e+03	6.005981e+03	5.560194e+03	5.539410e+03	4.434000e+03
##	7271	7272	7273	7274	7275
##	4.755683e+03	4.707166e+03	4.742954e+03	4.665732e+03	3.779545e+03
##	7276	7277	7278	7279	7280
##	4.251453e+03	4.662558e+03	4.463191e+03	3.869648e+03	4.260728e+03
##	7281	7282	7283	7284	7285
##	4.492482e+03	4.566507e+03	4.597262e+03	5.679069e+03	6.093294e+03
##	7286	7287	7288	7289	7290
##	4.804643e+03	5.054271e+03	4.967554e+03	4.992830e+03	5.513294e+03
##	7291	7292	7293	7294	7295
##	4.538850e+03	4.564068e+03	4.602213e+03	4.661757e+03	4.970777e+03
##	7296	7297	7298	7299	7300
##	4.531833e+03	3.646925e+03	4.265097e+03	4.384327e+03	4.647443e+03
##	7301	7302	7303	7304	7305
##	5.035772e+03	5.078268e+03	6.588622e+03	4.929772e+03	4.424925e+03
##	7306	7307	7308	7309	7310

##	3.980884e+03	4.712749e+03	4.403210e+03	4.337043e+03	5.090393e+03
##	7311	7312	7313	7314	7315
##	4.106199e+03	5.194339e+03	3.986286e+03	4.372348e+03	4.054514e+03
##	7316	7317	7318	7319	7320
##	4.087164e+03	4.688517e+03	3.817212e+03	4.160663e+03	4.455497e+03
##	7321	7322	7323	7324	7325
##	4.051468e+03	5.533285e+03	5.356105e+03	4.953623e+03	4.441489e+03
##	7326	7327	7328	7329	7330
##	4.662910e+03	4.732960e+03	4.696353e+03	3.753090e+03	5.161932e+03
##	7331	7332	7333	7334	7335
##	5.347488e+03	5.347875e+03	4.917495e+03	4.955314e+03	4.999544e+03
##	7336	7337	7338	7339	7340
##	4.231990e+03	5.081563e+03	4.766556e+03	4.765912e+03	4.792673e+03
##	7341	7342	7343	7344	7345
##	4.827371e+03	4.648328e+03	4.355556e+03	6.421686e+03	4.445112e+03
##	7346	7347	7348	7349	7350
##	3.821896e+03	4.783429e+03	4.873588e+03	4.777380e+03	3.587031e+03
##	7351	7352	7353	7354	7355
##	5.193963e+03	4.739982e+03	4.171135e+03	4.193021e+03	4.521470e+03
##	7356	7357	7358	7359	7360
##	3.346317e+03	5.552201e+03	3.805407e+03	3.435732e+03	5.139469e+03
##	7361	7362	7363	7364	7365
##	5.194415e+03	4.676822e+03	4.769257e+03	4.597463e+03	5.200843e+03
##	7366	7367	7368	7369	7370
##	4.774127e+03	4.206931e+03	4.854886e+03	4.061206e+03	4.503729e+03
##	7371	7372	7373	7374	7375
##	4.451858e+03	3.836925e+03	4.689171e+03	5.465346e+03	4.456775e+03
##	7376	7377	7378	7379	7380
##	4.845908e+03	5.024589e+03	5.098924e+03	4.268116e+03	5.139390e+03
##	7381	7382	7383	7384	7385
##	2.250658e+02	5.651294e+02	4.304501e+02	3.883632e+02	1.204902e+02
##	7386	7387	7388	7389	7390
##	4.247449e+02	2.038659e+02	4.935316e+02	1.242260e+02	1.736274e+02
##	7391	7392	7393	7394	7395
##	2.755266e+01	4.803200e+02	5.016254e+02	2.802493e+02	2.933213e+02
##	7396	7397	7398	7399	7400
##	1.060606e+02	1.673357e+02	5.337903e+02	3.327448e+02	7.347544e+01
##	7401	7402	7403	7404	7405
##	3.502992e+02	3.262173e+02	4.419169e+02	3.904236e+02	4.228015e+02
##	7406	7407	7408	7409	7410
##	-1.302862e+02	1.257600e+02	1.237602e+02	4.841428e+02	8.923540e+01
##	7411	7412	7413	7414	7415
##	5.360044e+03	5.093264e+03	4.857675e+03	4.636715e+03	4.023195e+03
##	7416	7417	7418	7419	7420
##	3.439475e+03	5.009678e+03	4.652401e+03	5.007424e+03	5.609077e+03
##	7421	7422	7423	7424	7425
##	4.280903e+03	4.458240e+03	4.302546e+03	4.888803e+03	4.960552e+03
##	7426	7427	7428	7429	7430
##	4.904717e+03	4.529016e+03	4.466596e+03	4.849606e+03	4.984274e+03
##	7431	7432	7433	7434	7435
##	4.043278e+03	4.688024e+03	4.525926e+03	4.919277e+03	4.989430e+03
##	7436	7437	7438	7439	7440
##	4.530235e+03	5.327642e+03	5.025627e+03	3.657406e+03	6.016916e+03
##	7441	7442	7443	7444	7445

##	3.970307e+03	4.527408e+03	4.552564e+03	4.503147e+03	4.646842e+03
##	7446	7447	7448	7449	7450
##	4.857293e+03	4.951555e+03	4.972537e+03	5.834288e+03	5.103926e+03
##	7451	7452	7453	7454	7455
##	5.576726e+03	5.270486e+03	4.783259e+03	4.638078e+03	4.779699e+03
##	7456	7457	7458	7459	7460
##	5.456601e+03	4.828055e+03	4.807300e+03	4.784036e+03	4.710526e+03
##	7461	7462	7463	7464	7465
##	4.231378e+03	4.822849e+03	4.829046e+03	4.973634e+03	5.247102e+03
##	7466	7467	7468	7469	7470
##	4.903411e+03	4.797592e+03	5.527476e+03	5.151380e+03	5.492556e+03
##	7471	7472	7473	7474	7475
##	5.568854e+03	4.561171e+03	4.318557e+03	5.348649e+03	5.517180e+03
##	7476	7477	7478	7479	7480
##	5.140776e+03	4.195606e+03	5.406302e+03	4.926839e+03	4.463061e+03
##	7481	7482	7483	7484	7485
##	4.694864e+03	4.541810e+03	4.756474e+03	4.697588e+03	4.852749e+03
##	7486	7487	7488	7489	7490
##	4.668813e+03	4.544979e+03	4.730341e+03	4.980336e+03	4.695640e+03
##	7491	7492	7493	7494	7495
##	4.678142e+03	4.895597e+03	4.762351e+03	5.171682e+03	4.766140e+03
##	7496	7497	7498	7499	7500
##	4.972084e+03	4.601744e+03	5.627648e+03	4.239008e+03	4.765459e+03
##	7501	7502	7503	7504	7505
##	4.588477e+03	4.891103e+03	4.905130e+03	4.797514e+03	5.113794e+03
##	7506	7507	7508	7509	7510
##	4.731500e+03	4.903400e+03	4.725713e+03	4.655504e+03	4.750676e+03
##	7511	7512	7513	7514	7515
##	4.067447e+03	3.855202e+03	4.454935e+03	4.283169e+03	5.123527e+03
##	7516	7517	7518	7519	7520
##	4.802897e+03	4.599702e+03	4.944457e+03	4.404318e+03	4.379745e+03
##	7521	7522	7523	7524	7525
##	3.879852e+03	3.847039e+03	4.531633e+03	3.958056e+03	4.468790e+03
##	7526	7527	7528	7529	7530
##	3.945174e+03	3.916292e+03	3.937552e+03	5.013819e+03	3.917224e+03
##	7531	7532	7533	7534	7535
##	4.362749e+03	5.257530e+03	4.486171e+03	4.698791e+03	4.159723e+03
##	7536	7537	7538	7539	7540
##	4.993429e+03	4.527763e+03	4.981483e+03	5.579667e+03	3.412710e+03
##	7541	7542	7543	7544	7545
##	3.555309e+03	5.293587e+03	4.646872e+03	4.688784e+03	4.189714e+03
##	7546	7547	7548	7549	7550
##	4.497712e+03	4.557125e+03	4.899921e+03	4.627637e+03	4.429943e+03
##	7551	7552	7553	7554	7555
##	4.455365e+03	4.450379e+03	4.700018e+03	6.825731e+03	6.816860e+03
##	7556	7557	7558	7559	7560
##	4.952695e+03	6.012375e+03	5.926276e+03	4.646846e+03	4.931725e+03
##	7561	7562	7563	7564	7565
##	4.843021e+03	3.985436e+03	6.134452e+03	5.006017e+03	5.241060e+03
##	7566	7567	7568	7569	7570
##	4.076469e+03	4.518284e+03	4.039936e+03	4.580972e+03	4.772311e+03
##	7571	7572	7573	7574	7575
##	4.991447e+03	5.071772e+03	4.012150e+03	5.102128e+03	5.118095e+03
##	7576	7577	7578	7579	7580

##	4.838463e+03	4.537507e+03	4.549689e+03	4.556644e+03	4.888028e+03
##	7581	7582	7583	7584	7585
##	4.605680e+03	4.539822e+03	5.643629e+03	4.608144e+03	4.920505e+03
##	7586	7587	7588	7589	7590
##	5.889437e+03	3.795997e+03	4.785056e+03	5.376468e+03	4.429816e+03
##	7591	7592	7593	7594	7595
##	3.816151e+03	4.035753e+03	3.948618e+03	4.680536e+03	5.261560e+03
##	7596	7597	7598	7599	7600
##	4.913342e+03	5.197227e+03	4.738096e+03	5.006731e+03	4.699851e+03
##	7601	7602	7603	7604	7605
##	4.449576e+03	4.706591e+03	4.661991e+03	5.032834e+03	4.879296e+03
##	7606	7607	7608	7609	7610
##	4.455861e+03	4.438041e+03	5.280158e+03	4.526048e+03	6.046913e+03
##	7611	7612	7613	7614	7615
##	4.968233e+03	4.606973e+03	4.954581e+03	4.850770e+03	5.455213e+03
##	7616	7617	7618	7619	7620
##	4.962152e+03	4.778588e+03	4.881920e+03	5.007919e+03	4.920815e+03
##	7621	7622	7623	7624	7625
##	4.817279e+03	3.974204e+03	4.526962e+03	4.532887e+03	4.450339e+03
##	7626	7627	7628	7629	7630
##	3.900115e+03	4.409745e+03	4.626984e+03	4.738661e+03	4.844466e+03
##	7631	7632	7633	7634	7635
##	5.011252e+03	3.806270e+03	4.808789e+03	4.985481e+03	4.374114e+03
##	7636	7637	7638	7639	7640
##	5.216747e+03	4.554438e+03	4.876874e+03	4.421156e+03	4.851822e+03
##	7641	7642	7643	7644	7645
##	5.121188e+03	5.218391e+03	4.121793e+03	4.988434e+03	4.968988e+03
##	7646	7647	7648	7649	7650
##	5.914209e+03	4.880167e+03	4.504657e+03	5.042370e+03	5.042015e+03
##	7651	7652	7653	7654	7655
##	5.023355e+03	5.019419e+03	5.105963e+03	4.821247e+03	4.573301e+03
##	7656	7657	7658	7659	7660
##	4.775478e+03	4.524944e+03	4.242390e+03	4.179926e+03	5.391676e+03
##	7661	7662	7663	7664	7665
##	4.447413e+03	4.620515e+03	4.894476e+03	3.969048e+03	5.664906e+03
##	7666	7667	7668	7669	7670
##	4.642693e+03	5.225994e+03	4.786841e+03	4.577638e+03	5.318624e+03
##	7671	7672	7673	7674	7675
##	5.476576e+03	3.880281e+03	4.242148e+03	5.132472e+03	4.257012e+03
##	7676	7677	7678	7679	7680
##	5.536915e+03	6.345112e+03	4.651717e+03	4.852784e+03	4.033014e+03
##	7681	7682	7683	7684	7685
##	4.611218e+03	5.015530e+03	5.000808e+03	5.020657e+03	4.469856e+03
##	7686	7687	7688	7689	7690
##	6.363134e+03	4.109560e+03	4.453545e+03	5.665740e+03	4.979601e+03
##	7691	7692	7693	7694	7695
##	5.696247e+03	5.694872e+03	5.017317e+03	4.758397e+03	4.178428e+03
##	7696	7697	7698	7699	7700
##	4.647947e+03	5.369403e+03	5.446896e+03	4.851570e+03	4.815038e+03
##	7701	7702	7703	7704	7705
##	4.906913e+03	5.778317e+03	5.743279e+03	3.441228e+03	4.767993e+03
##	7706	7707	7708	7709	7710
##	4.684432e+03	4.681455e+03	4.660379e+03	5.129161e+03	4.192545e+03
##	7711	7712	7713	7714	7715

##	2.617774e+02	1.920063e+02	3.189642e+02	5.653423e+02	1.683576e+02
##	7716	7717	7718	7719	7720
##	5.051360e+02	2.832057e+02	2.833733e+02	5.070259e+02	5.696094e+02
##	7721	7722	7723	7724	7725
##	6.045091e+02	5.503418e+02	2.337034e+02	2.311190e+02	6.620718e+02
##	7726	7727	7728	7729	7730
##	5.257623e+02	8.681061e+02	-1.948830e+03	7.113281e+02	3.882520e+02
##	7731	7732	7733	7734	7735
##	3.435619e+02	4.890562e+02	5.023246e+02	4.903213e+02	7.387080e+02
##	7736	7737	7738	7739	7740
##	-8.150116e+01	-3.684419e+03	-1.983970e+02	-8.257116e+02	-6.805881e+02
##	7741	7742	7743	7744	7745
##	4.167825e+03	4.967488e+03	4.967119e+03	6.827329e+03	6.827329e+03
##	7746	7747	7748	7749	7750
##	4.916661e+03	4.579841e+03	4.771299e+03	3.824666e+03	4.948024e+03
##	7751	7752	7753	7754	7755
##	5.304507e+03	5.255480e+03	4.642409e+03	4.088782e+03	4.283775e+03
##	7756	7757	7758	7759	7760
##	4.712510e+03	5.005552e+03	5.675545e+03	5.746259e+03	4.358255e+03
##	7761	7762	7763	7764	7765
##	5.092942e+03	3.352608e+03	4.066208e+03	4.264986e+03	5.546039e+03
##	7766	7767	7768	7769	7770
##	5.281490e+03	5.373882e+03	5.243362e+03	5.281886e+03	5.014695e+03
##	7771	7772	7773	7774	7775
##	4.665454e+03	4.783672e+03	4.333815e+03	3.632281e+03	4.837743e+03
##	7776	7777	7778	7779	7780
##	4.417405e+03	3.903171e+03	4.496830e+03	4.100896e+03	4.363165e+03
##	7781	7782	7783	7784	7785
##	4.700652e+03	4.003620e+03	4.046450e+03	4.119948e+03	4.683164e+03
##	7786	7787	7788	7789	7790
##	4.528467e+03	4.539472e+03	4.678434e+03	4.728982e+03	5.030833e+03
##	7791	7792	7793	7794	7795
##	3.775341e+03	3.661968e+03	4.789096e+03	4.864758e+03	4.690274e+03
##	7796	7797	7798	7799	7800
##	4.659572e+03	4.272355e+03	4.747264e+03	4.756976e+03	5.967220e+03
##	7801	7802	7803	7804	7805
##	4.597255e+03	4.465864e+03	4.538025e+03	4.417880e+03	4.890923e+03
##	7806	7807	7808	7809	7810
##	5.959871e+03	4.580311e+03	4.686563e+03	5.112504e+03	3.770793e+03
##	7811	7812	7813	7814	7815
##	4.592841e+03	4.083046e+03	4.972957e+03	3.559592e+03	3.973021e+03
##	7816	7817	7818	7819	7820
##	4.772960e+03	4.708184e+03	4.713958e+03	4.491404e+03	5.239659e+03
##	7821	7822	7823	7824	7825
##	4.416902e+03	4.763000e+03	4.856163e+03	4.800674e+03	4.999305e+03
##	7826	7827	7828	7829	7830
##	4.779364e+03	4.143737e+03	5.297913e+03	4.892152e+03	4.771716e+03
##	7831	7832	7833	7834	7835
##	4.664490e+03	5.650113e+03	4.654966e+03	4.518437e+03	4.578531e+03
##	7836	7837	7838	7839	7840
##	4.483407e+03	6.126571e+03	5.738128e+03	5.156267e+03	4.398690e+03
##	7841	7842	7843	7844	7845
##	5.907888e+03	4.999806e+03	4.054197e+03	5.150697e+03	4.823286e+03
##	7846	7847	7848	7849	7850

##	4.970391e+03	5.025319e+03	4.674449e+03	5.021366e+03	4.854373e+03
##	7851	7852	7853	7854	7855
##	4.878910e+03	4.915143e+03	4.891143e+03	4.839003e+03	4.810244e+03
##	7856	7857	7858	7859	7860
##	4.894889e+03	4.872490e+03	4.879063e+03	5.197790e+03	4.902009e+03
##	7861	7862	7863	7864	7865
##	4.931546e+03	4.741205e+03	5.550697e+03	4.910484e+03	4.387883e+03
##	7866	7867	7868	7869	7870
##	4.942512e+03	4.612464e+03	4.371118e+03	4.688733e+03	4.993869e+03
##	7871	7872	7873	7874	7875
##	4.824075e+03	5.024528e+03	4.594031e+03	4.848560e+03	4.844579e+03
##	7876	7877	7878	7879	7880
##	5.086104e+03	4.824751e+03	4.500595e+03	5.009131e+03	3.957530e+03
##	7881	7882	7883	7884	7885
##	4.981810e+03	4.108400e+03	5.116888e+03	5.116885e+03	6.455091e+03
##	7886	7887	7888	7889	7890
##	4.093492e+03	4.570163e+03	4.660918e+03	4.062932e+03	4.591372e+03
##	7891	7892	7893	7894	7895
##	5.396147e+03	4.604268e+03	4.579511e+03	5.337677e+03	5.068321e+03
##	7896	7897	7898	7899	7900
##	5.135422e+03	5.264236e+03	5.283285e+03	6.061256e+03	4.495211e+03
##	7901	7902	7903	7904	7905
##	5.365658e+03	5.571932e+03	3.946700e+03	4.582525e+03	4.433275e+03
##	7906	7907	7908	7909	7910
##	5.013876e+03	4.608816e+03	4.591431e+03	3.616400e+03	4.911307e+03
##	7911	7912	7913	7914	7915
##	6.028165e+03	4.604026e+03	4.675298e+03	4.647408e+03	4.701722e+03
##	7916	7917	7918	7919	7920
##	5.314342e+03	4.764292e+03	4.335355e+03	5.089212e+03	4.955247e+03
##	7921	7922	7923	7924	7925
##	5.169595e+03	3.907877e+03	4.426562e+03	4.595136e+03	5.117670e+03
##	7926	7927	7928	7929	7930
##	5.221261e+03	4.603332e+03	4.281773e+03	4.333439e+03	3.778342e+03
##	7931	7932	7933	7934	7935
##	5.273062e+03	5.030413e+03	4.681582e+03	4.882690e+03	5.088083e+03
##	7936	7937	7938	7939	7940
##	5.009716e+03	4.715968e+03	4.746621e+03	4.771999e+03	4.714786e+03
##	7941	7942	7943	7944	7945
##	4.730538e+03	5.064646e+03	4.705012e+03	4.847155e+03	4.365959e+03
##	7946	7947	7948	7949	7950
##	4.140365e+03	5.193820e+03	5.601178e+03	5.767753e+03	4.399750e+03
##	7951	7952	7953	7954	7955
##	4.215872e+03	4.918747e+03	4.569166e+03	4.944575e+03	4.941404e+03
##	7956	7957	7958	7959	7960
##	4.894356e+03	4.528248e+03	4.654939e+03	4.631954e+03	4.643697e+03
##	7961	7962	7963	7964	7965
##	4.945593e+03	4.735656e+03	6.009979e+03	4.876759e+03	5.538953e+03
##	7966	7967	7968	7969	7970
##	6.093876e+03	6.109796e+03	5.487095e+03	4.170712e+03	4.195102e+03
##	7971	7972	7973	7974	7975
##	4.361260e+03	4.880658e+03	4.781680e+03	4.786666e+03	6.079728e+03
##	7976	7977	7978	7979	7980
##	4.056423e+03	4.727825e+03	4.000968e+03	4.690800e+03	4.433060e+03
##	7981	7982	7983	7984	7985

##	4.944877e+03	3.633049e+03	4.256967e+03	4.237701e+03	4.992873e+03
##	7986	7987	7988	7989	7990
##	5.052015e+03	5.316399e+03	4.638890e+03	4.586922e+03	4.845482e+03
##	7991	7992	7993	7994	7995
##	4.761669e+03	4.790401e+03	4.412405e+03	4.287602e+03	4.131490e+03
##	7996	7997	7998	7999	8000
##	4.934649e+03	4.445026e+03	4.367203e+03	4.401542e+03	4.373709e+03
##	8001	8002	8003	8004	8005
##	4.518055e+03	4.401998e+03	4.503155e+03	4.361262e+03	4.379049e+03
##	8006	8007	8008	8009	8010
##	4.439833e+03	4.297496e+03	4.509846e+03	4.854610e+03	4.787729e+03
##	8011	8012	8013	8014	8015
##	5.941124e+03	5.880208e+03	4.827762e+03	4.900976e+03	7.103730e+03
##	8016	8017	8018	8019	8020
##	5.062817e+03	4.187105e+03	5.225528e+03	5.722867e+03	4.403101e+03
##	8021	8022	8023	8024	8025
##	4.413397e+03	4.790011e+03	5.537196e+03	4.815592e+03	4.203064e+03
##	8026	8027	8028	8029	8030
##	4.687346e+03	4.673349e+03	4.943264e+03	5.626608e+03	6.121329e+03
##	8031	8032	8033	8034	8035
##	4.523978e+03	4.551291e+03	4.503932e+03	3.778307e+03	5.130966e+03
##	8036	8037	8038	8039	8040
##	5.251648e+03	5.164849e+03	4.637516e+03	4.881792e+03	3.554670e+03
##	8041	8042	8043	8044	8045
##	-1.209058e+03	-9.187663e+02	-6.881362e+02	-7.778284e+02	-1.051875e+03
##	8046	8047	8048	8049	8050
##	7.678211e+02	7.562454e+02	7.500327e+02	3.882784e+01	1.108395e+03
##	8051	8052	8053	8054	8055
##	8.220674e+02	7.218915e+02	7.052154e+02	6.616808e+02	7.262427e+02
##	8056	8057	8058	8059	8060
##	7.563681e+02	7.603283e+02	8.197230e+02	7.740374e+02	1.472569e+02
##	8061	8062	8063	8064	8065
##	9.339438e+02	4.089114e+02	4.008176e+02	4.619608e+02	-1.242852e+03
##	8066	8067	8068	8069	8070
##	-1.267764e+03	7.083907e+02	3.920355e+02	2.990791e+02	6.097490e+02
##	8071	8072	8073	8074	8075
##	3.571751e+03	4.316072e+03	4.143490e+03	4.133591e+03	5.279916e+03
##	8076	8077	8078	8079	8080
##	4.903238e+03	4.735955e+03	4.835237e+03	4.676801e+03	5.394141e+03
##	8081	8082	8083	8084	8085
##	6.109015e+03	5.335149e+03	4.905282e+03	5.407414e+03	4.843911e+03
##	8086	8087	8088	8089	8090
##	5.410285e+03	4.441286e+03	5.481263e+03	5.461959e+03	4.919004e+03
##	8091	8092	8093	8094	8095
##	4.583714e+03	5.640033e+03	6.640738e+03	3.999471e+03	4.375182e+03
##	8096	8097	8098	8099	8100
##	5.505419e+03	4.340610e+03	4.717244e+03	4.795765e+03	5.188399e+03
##	8101	8102	8103	8104	8105
##	6.452398e+03	3.542774e+03	3.701160e+03	2.824865e+03	4.795679e+03
##	8106	8107	8108	8109	8110
##	4.693390e+03	4.877750e+03	4.988627e+03	4.893793e+03	6.064202e+03
##	8111	8112	8113	8114	8115
##	5.514425e+03	4.674819e+03	5.131930e+03	5.061880e+03	4.863315e+03
##	8116	8117	8118	8119	8120

##	4.463476e+03	4.783304e+03	5.028218e+03	4.664073e+03	4.938634e+03
##	8121	8122	8123	8124	8125
##	6.864869e+03	4.082010e+03	6.861828e+03	4.127307e+03	5.390352e+03
##	8126	8127	8128	8129	8130
##	4.208109e+03	5.709876e+03	5.032534e+03	5.081460e+03	4.484429e+03
##	8131	8132	8133	8134	8135
##	4.855021e+03	4.651736e+03	4.737958e+03	4.706453e+03	4.609177e+03
##	8136	8137	8138	8139	8140
##	4.716601e+03	4.489119e+03	4.588254e+03	4.372600e+03	4.402873e+03
##	8141	8142	8143	8144	8145
##	5.155711e+03	5.214035e+03	4.991607e+03	5.414236e+03	3.905378e+03
##	8146	8147	8148	8149	8150
##	5.035851e+03	5.098831e+03	5.379156e+03	4.358485e+03	4.507021e+03
##	8151	8152	8153	8154	8155
##	5.220235e+03	4.668556e+03	4.090020e+03	4.879516e+03	5.151036e+03
##	8156	8157	8158	8159	8160
##	5.408180e+03	4.103829e+03	3.647850e+03	5.680370e+03	5.473325e+03
##	8161	8162	8163	8164	8165
##	5.640588e+03	4.962415e+03	4.390386e+03	4.597130e+03	5.063995e+03
##	8166	8167	8168	8169	8170
##	4.448632e+03	4.533661e+03	4.770068e+03	4.639324e+03	5.200061e+03
##	8171	8172	8173	8174	8175
##	4.561523e+03	4.753630e+03	4.896924e+03	4.577780e+03	4.353220e+03
##	8176	8177	8178	8179	8180
##	4.986252e+03	4.992972e+03	4.983546e+03	3.023693e+03	5.232863e+03
##	8181	8182	8183	8184	8185
##	5.277193e+03	5.205122e+03	5.239477e+03	4.717209e+03	4.172380e+03
##	8186	8187	8188	8189	8190
##	6.244603e+03	4.433597e+03	5.348191e+03	4.314126e+03	5.142750e+03
##	8191	8192	8193	8194	8195
##	5.738944e+03	4.555007e+03	4.695100e+03	4.618857e+03	4.157702e+03
##	8196	8197	8198	8199	8200
##	5.712041e+03	6.602943e+03	4.929459e+03	4.350110e+03	4.191858e+03
##	8201	8202	8203	8204	8205
##	4.836670e+03	4.211283e+03	4.878243e+03	1.622366e+03	5.021093e+03
##	8206	8207	8208	8209	8210
##	4.905285e+03	4.618930e+03	4.689455e+03	5.508197e+03	4.875059e+03
##	8211	8212	8213	8214	8215
##	5.110816e+03	5.038780e+03	4.480868e+03	4.395804e+03	4.934181e+03
##	8216	8217	8218	8219	8220
##	4.576898e+03	4.487131e+03	3.770698e+03	4.827529e+03	4.785626e+03
##	8221	8222	8223	8224	8225
##	4.363959e+03	4.873651e+03	4.524633e+03	4.535451e+03	5.096914e+03
##	8226	8227	8228	8229	8230
##	4.712153e+03	4.691222e+03	4.933062e+03	5.337594e+03	4.548383e+03
##	8231	8232	8233	8234	8235
##	4.831603e+03	4.951120e+03	4.932867e+03	5.437920e+03	4.940375e+03
##	8236	8237	8238	8239	8240
##	4.767940e+03	5.012340e+03	4.609904e+03	7.220179e+03	4.622223e+03
##	8241	8242	8243	8244	8245
##	5.362215e+03	5.091655e+03	3.715431e+03	5.325076e+03	5.970159e+03
##	8246	8247	8248	8249	8250
##	4.863403e+03	4.847311e+03	4.696151e+03	4.415607e+03	5.512995e+03
##	8251	8252	8253	8254	8255

##	5.935246e+03	4.103022e+03	4.482657e+03	4.473675e+03	4.718936e+03
##	8256	8257	8258	8259	8260
##	3.883784e+03	5.009278e+03	5.099847e+03	4.940551e+03	3.835637e+03
##	8261	8262	8263	8264	8265
##	4.619824e+03	4.289921e+03	5.465343e+03	4.526325e+03	4.703928e+03
##	8266	8267	8268	8269	8270
##	4.869539e+03	4.758235e+03	4.933562e+03	4.910421e+03	4.916854e+03
##	8271	8272	8273	8274	8275
##	4.884417e+03	4.787007e+03	4.920496e+03	4.894442e+03	5.031456e+03
##	8276	8277	8278	8279	8280
##	4.882616e+03	4.134112e+03	5.054498e+03	4.970828e+03	5.059227e+03
##	8281	8282	8283	8284	8285
##	4.751181e+03	5.645971e+03	4.263024e+03	3.637671e+03	4.923747e+03
##	8286	8287	8288	8289	8290
##	4.592275e+03	4.706034e+03	4.563102e+03	5.051985e+03	4.674561e+03
##	8291	8292	8293	8294	8295
##	4.963205e+03	4.185386e+03	4.671354e+03	4.492814e+03	4.613222e+03
##	8296	8297	8298	8299	8300
##	5.192029e+03	4.629239e+03	4.660669e+03	4.741288e+03	4.988753e+03
##	8301	8302	8303	8304	8305
##	5.004306e+03	4.161043e+03	4.324926e+03	6.135761e+03	4.807102e+03
##	8306	8307	8308	8309	8310
##	4.764707e+03	4.567156e+03	4.435450e+03	4.689344e+03	4.766388e+03
##	8311	8312	8313	8314	8315
##	4.645411e+03	4.831513e+03	4.673928e+03	4.654527e+03	4.969124e+03
##	8316	8317	8318	8319	8320
##	3.918738e+03	4.469753e+03	4.772299e+03	4.685827e+03	5.332324e+03
##	8321	8322	8323	8324	8325
##	4.596197e+03	4.588736e+03	4.587546e+03	4.767854e+03	5.129398e+03
##	8326	8327	8328	8329	8330
##	5.380615e+03	5.209529e+03	4.934880e+03	4.646162e+03	4.450877e+03
##	8331	8332	8333	8334	8335
##	4.568696e+03	4.568696e+03	5.768838e+03	3.787522e+03	3.806419e+03
##	8336	8337	8338	8339	8340
##	5.117925e+03	5.437462e+03	5.438001e+03	5.222985e+03	4.324391e+03
##	8341	8342	8343	8344	8345
##	4.325954e+03	4.234215e+03	3.238104e+03	4.761307e+03	4.626418e+03
##	8346	8347	8348	8349	8350
##	4.830683e+03	4.838660e+03	4.774651e+03	4.922389e+03	4.795362e+03
##	8351	8352	8353	8354	8355
##	5.036748e+03	4.381897e+03	4.630322e+03	4.325244e+03	4.679301e+03
##	8356	8357	8358	8359	8360
##	4.816618e+03	5.031848e+03	4.109829e+03	4.836365e+03	5.694617e+03
##	8361	8362	8363	8364	8365
##	5.433595e+03	5.477808e+03	5.702862e+03	5.458544e+03	5.857725e+03
##	8366	8367	8368	8369	8370
##	4.955015e+03	5.004224e+03	5.201213e+03	4.489541e+03	5.092436e+03
##	8371	8372	8373	8374	8375
##	4.202880e+02	2.312397e+02	6.053626e+02	6.098451e+02	6.104221e+02
##	8376	8377	8378	8379	8380
##	4.669952e+02	3.495165e+02	6.257868e+02	5.944978e+02	4.965376e+02
##	8381	8382	8383	8384	8385
##	5.599753e+02	2.973900e+02	2.314263e+02	2.569183e+02	2.847512e+02
##	8386	8387	8388	8389	8390

##	-3.854571e+01	-7.269103e+00	1.441668e+02	1.280224e+02	9.079408e+02
##	8391	8392	8393	8394	8395
##	4.073692e+01	4.839744e+01	-3.423304e+03	4.642014e+02	4.752802e+00
##	8396	8397	8398	8399	8400
##	1.796293e+02	1.671076e+01	6.006605e+01	3.860178e+02	4.149921e+02
##	8401	8402	8403	8404	8405
##	4.960136e+03	4.768540e+03	4.457477e+03	4.434184e+03	4.699323e+03
##	8406	8407	8408	8409	8410
##	4.858467e+03	4.998044e+03	5.042499e+03	4.439243e+03	5.982633e+03
##	8411	8412	8413	8414	8415
##	4.566315e+03	4.954550e+03	4.329005e+03	5.284586e+03	4.776841e+03
##	8416	8417	8418	8419	8420
##	4.744924e+03	4.614072e+03	6.001315e+03	6.138992e+03	6.280501e+03
##	8421	8422	8423	8424	8425
##	4.712558e+03	4.006906e+03	4.030347e+03	4.685129e+03	4.510848e+03
##	8426	8427	8428	8429	8430
##	5.296291e+03	5.560944e+03	3.720866e+03	5.382453e+03	5.046661e+03
##	8431	8432	8433	8434	8435
##	4.848353e+03	5.747876e+03	4.812837e+03	5.274633e+03	5.340194e+03
##	8436	8437	8438	8439	8440
##	4.801492e+03	4.755804e+03	4.288325e+03	6.386088e+03	4.783492e+03
##	8441	8442	8443	8444	8445
##	4.749296e+03	4.331850e+03	4.362503e+03	5.654439e+03	4.312991e+03
##	8446	8447	8448	8449	8450
##	5.450363e+03	4.861282e+03	5.832265e+03	4.694453e+03	3.925435e+03
##	8451	8452	8453	8454	8455
##	4.499779e+03	4.498738e+03	4.466041e+03	5.348496e+03	4.523768e+03
##	8456	8457	8458	8459	8460
##	4.533765e+03	5.585894e+03	4.628481e+03	4.603726e+03	4.628877e+03
##	8461	8462	8463	8464	8465
##	4.678434e+03	5.277829e+03	5.751736e+03	4.809664e+03	4.822663e+03
##	8466	8467	8468	8469	8470
##	4.817334e+03	4.726965e+03	5.343945e+03	4.653219e+03	4.632538e+03
##	8471	8472	8473	8474	8475
##	4.426362e+03	4.613740e+03	4.622472e+03	4.790947e+03	4.658090e+03
##	8476	8477	8478	8479	8480
##	4.644701e+03	4.701189e+03	4.769041e+03	4.531802e+03	4.606490e+03
##	8481	8482	8483	8484	8485
##	4.593801e+03	5.065062e+03	6.010975e+03	4.728299e+03	4.702296e+03
##	8486	8487	8488	8489	8490
##	4.325606e+03	5.228433e+03	4.405882e+03	5.546419e+03	5.269691e+03
##	8491	8492	8493	8494	8495
##	4.836819e+03	5.035367e+03	5.402015e+03	5.035926e+03	4.637519e+03
##	8496	8497	8498	8499	8500
##	4.739684e+03	5.086172e+03	5.093275e+03	4.739955e+03	4.179067e+03
##	8501	8502	8503	8504	8505
##	5.163295e+03	5.136101e+03	4.858253e+03	5.495418e+03	4.870817e+03
##	8506	8507	8508	8509	8510
##	6.783015e+03	4.957509e+03	6.382165e+03	5.858747e+03	4.999429e+03
##	8511	8512	8513	8514	8515
##	4.609080e+03	4.992121e+03	5.938778e+03	4.677686e+03	4.262103e+03
##	8516	8517	8518	8519	8520
##	4.695497e+03	5.297102e+03	5.938019e+03	4.611583e+03	4.691060e+03
##	8521	8522	8523	8524	8525

##	4.832832e+03	6.480982e+03	4.743861e+03	4.805937e+03	4.917932e+03
##	8526	8527	8528	8529	8530
##	4.858552e+03	4.938850e+03	5.297177e+03	4.574632e+03	5.123570e+03
##	8531	8532	8533	8534	8535
##	4.844432e+03	4.369924e+03	4.919173e+03	4.531984e+03	4.995826e+03
##	8536	8537	8538	8539	8540
##	4.943987e+03	5.816484e+03	4.490638e+03	4.876348e+03	4.635963e+03
##	8541	8542	8543	8544	8545
##	5.070858e+03	6.077754e+03	5.150885e+03	5.046088e+03	5.244571e+03
##	8546	8547	8548	8549	8550
##	4.817703e+03	4.824245e+03	4.958476e+03	4.641363e+03	4.608816e+03
##	8551	8552	8553	8554	8555
##	4.664901e+03	4.693176e+03	4.792195e+03	4.621200e+03	4.615793e+03
##	8556	8557	8558	8559	8560
##	5.239130e+03	4.614002e+03	4.814307e+03	4.669047e+03	4.750354e+03
##	8561	8562	8563	8564	8565
##	5.004012e+03	5.475522e+03	4.235119e+03	4.356730e+03	4.380893e+03
##	8566	8567	8568	8569	8570
##	4.388050e+03	4.612566e+03	4.734937e+03	5.337394e+03	5.916948e+03
##	8571	8572	8573	8574	8575
##	5.214881e+03	5.256512e+03	4.561366e+03	5.532161e+03	4.787256e+03
##	8576	8577	8578	8579	8580
##	5.111139e+03	5.463010e+03	4.999993e+03	5.006298e+03	4.495598e+03
##	8581	8582	8583	8584	8585
##	5.505642e+03	4.731688e+03	5.891938e+03	5.706114e+03	5.093136e+03
##	8586	8587	8588	8589	8590
##	4.966484e+03	4.911514e+03	4.829380e+03	4.300142e+03	4.783247e+03
##	8591	8592	8593	8594	8595
##	4.665863e+03	5.383633e+03	3.709194e+03	4.407832e+03	4.517594e+03
##	8596	8597	8598	8599	8600
##	4.991616e+03	4.905068e+03	3.645394e+03	5.355710e+03	4.566594e+03
##	8601	8602	8603	8604	8605
##	5.881394e+03	5.881394e+03	4.331436e+03	4.583774e+03	4.418096e+03
##	8606	8607	8608	8609	8610
##	5.028106e+03	6.127329e+03	6.149006e+03	4.295573e+03	5.493247e+03
##	8611	8612	8613	8614	8615
##	5.604195e+03	5.333440e+03	4.631516e+03	4.284662e+03	4.973722e+03
##	8616	8617	8618	8619	8620
##	4.654284e+03	5.328813e+03	6.072806e+03	4.680435e+03	5.558923e+03
##	8621	8622	8623	8624	8625
##	5.977478e+03	5.178405e+03	4.823475e+03	5.174586e+03	4.837195e+03
##	8626	8627	8628	8629	8630
##	4.381213e+03	5.187412e+03	5.588367e+03	5.671871e+03	4.780397e+03
##	8631	8632	8633	8634	8635
##	5.855146e+03	5.433149e+03	4.835381e+03	4.593734e+03	4.379995e+03
##	8636	8637	8638	8639	8640
##	4.940225e+03	5.390164e+03	4.533550e+03	4.466823e+03	4.853294e+03
##	8641	8642	8643	8644	8645
##	4.851633e+03	4.814091e+03	4.620544e+03	4.660686e+03	4.388659e+03
##	8646	8647	8648	8649	8650
##	5.056199e+03	4.529458e+03	4.553208e+03	4.540276e+03	5.296879e+03
##	8651	8652	8653	8654	8655
##	4.513636e+03	4.643819e+03	5.073769e+03	4.415989e+03	4.934027e+03
##	8656	8657	8658	8659	8660

##	3.985936e+03	4.815225e+03	4.703878e+03	5.173204e+03	5.306610e+03
##	8661	8662	8663	8664	8665
##	4.712272e+03	5.281298e+03	5.287965e+03	4.761703e+03	4.413416e+03
##	8666	8667	8668	8669	8670
##	7.039187e+03	5.319369e+03	4.423908e+03	5.679199e+03	4.660262e+03
##	8671	8672	8673	8674	8675
##	4.786239e+03	4.761616e+03	4.952355e+03	5.170257e+03	4.593706e+03
##	8676	8677	8678	8679	8680
##	4.645338e+03	4.873640e+03	5.200245e+03	5.166307e+03	4.646693e+03
##	8681	8682	8683	8684	8685
##	4.832122e+03	3.770341e+03	5.008279e+03	4.432960e+03	4.284060e+03
##	8686	8687	8688	8689	8690
##	4.800399e+03	4.786894e+03	4.660599e+03	6.153868e+03	4.800004e+03
##	8691	8692	8693	8694	8695
##	5.020625e+03	4.789253e+03	4.730914e+03	5.106736e+03	5.377059e+03
##	8696	8697	8698	8699	8700
##	4.001494e+03	4.880582e+03	6.043109e+03	5.091802e+03	5.107429e+03
##	8701	8702	8703	8704	8705
##	5.459928e+02	5.585183e+02	-6.024747e+02	-1.710641e+03	8.787786e+02
##	8706	8707	8708	8709	8710
##	8.389931e+02	9.216330e+02	8.870651e+02	4.905742e+02	-9.159567e+02
##	8711	8712	8713	8714	8715
##	7.598722e+02	5.130051e+02	5.452415e+02	1.992546e+02	2.255158e+02
##	8716	8717	8718	8719	8720
##	1.964292e+02	2.030020e+02	1.147714e+02	8.073471e+01	7.930685e+02
##	8721	8722	8723	8724	8725
##	7.707904e+02	3.513148e+02	-5.989614e+02	-2.354456e+02	-4.749044e+02
##	8726	8727	8728	8729	8730
##	6.332595e+02	9.243107e+02	1.335358e+03	1.132974e+03	8.209847e+02
##	8731	8732	8733	8734	8735
##	5.057893e+03	4.948857e+03	5.271308e+03	5.403607e+03	5.349674e+03
##	8736	8737	8738	8739	8740
##	4.318857e+03	4.701025e+03	4.936496e+03	4.296634e+03	6.484654e+03
##	8741	8742	8743	8744	8745
##	4.746641e+03	4.551790e+03	4.686380e+03	4.529804e+03	4.722248e+03
##	8746	8747	8748	8749	8750
##	6.010877e+03	5.563760e+03	3.923656e+03	4.351420e+03	4.909403e+03
##	8751	8752	8753	8754	8755
##	4.347293e+03	4.804980e+03	5.758061e+03	4.666990e+03	4.930629e+03
##	8756	8757	8758	8759	8760
##	4.991427e+03	5.014290e+03	4.860843e+03	4.834384e+03	4.844041e+03
##	8761	8762	8763	8764	8765
##	4.456969e+03	4.915613e+03	5.133472e+03	5.065797e+03	6.288086e+03
##	8766	8767	8768	8769	8770
##	4.842211e+03	4.433075e+03	4.988673e+03	5.659065e+03	5.626180e+03
##	8771	8772	8773	8774	8775
##	4.399417e+03	4.728606e+03	4.707007e+03	4.665858e+03	4.750781e+03
##	8776	8777	8778	8779	8780
##	4.717908e+03	5.046039e+03	3.957793e+03	4.776257e+03	4.761906e+03
##	8781	8782	8783	8784	8785
##	4.810665e+03	4.796205e+03	4.689784e+03	4.804554e+03	5.889559e+03
##	8786	8787	8788	8789	8790
##	4.864150e+03	4.905098e+03	4.643392e+03	3.727245e+03	7.018064e+03
##	8791	8792	8793	8794	8795

##	4.302379e+03	4.729756e+03	5.362908e+03	4.533846e+03	6.470322e+03
##	8796	8797	8798	8799	8800
##	4.987658e+03	6.547522e+03	4.834847e+03	6.270133e+03	4.545652e+03
##	8801	8802	8803	8804	8805
##	4.723172e+03	5.416935e+03	5.499546e+03	5.016518e+03	3.933712e+03
##	8806	8807	8808	8809	8810
##	4.453668e+03	4.859442e+03	6.264401e+03	4.889972e+03	5.081460e+03
##	8811	8812	8813	8814	8815
##	5.004205e+03	5.213334e+03	4.832656e+03	5.042897e+03	5.069388e+03
##	8816	8817	8818	8819	8820
##	4.985411e+03	6.013951e+03	5.687408e+03	5.002674e+03	5.417156e+03
##	8821	8822	8823	8824	8825
##	5.696857e+03	6.306089e+03	4.545714e+03	4.954000e+03	5.066340e+03
##	8826	8827	8828	8829	8830
##	5.262056e+03	4.906276e+03	4.891853e+03	4.802771e+03	4.829887e+03
##	8831	8832	8833	8834	8835
##	4.351420e+03	5.413414e+03	5.235437e+03	4.775672e+03	4.819383e+03
##	8836	8837	8838	8839	8840
##	4.779829e+03	4.671662e+03	4.755953e+03	5.449863e+03	4.500180e+03
##	8841	8842	8843	8844	8845
##	4.826726e+03	5.048937e+03	5.455529e+03	3.609750e+03	4.666979e+03
##	8846	8847	8848	8849	8850
##	5.693257e+03	5.062665e+03	5.406557e+03	4.775862e+03	5.392880e+03
##	8851	8852	8853	8854	8855
##	5.643724e+03	4.803325e+03	5.438186e+03	5.401803e+03	4.575500e+03
##	8856	8857	8858	8859	8860
##	5.247140e+03	4.537726e+03	4.313194e+03	4.502435e+03	4.686592e+03
##	8861	8862	8863	8864	8865
##	5.196142e+03	5.234869e+03	4.599228e+03	4.839616e+03	5.063991e+03
##	8866	8867	8868	8869	8870
##	4.045111e+03	4.856794e+03	5.288533e+03	5.331566e+03	4.365951e+03
##	8871	8872	8873	8874	8875
##	4.768495e+03	5.005309e+03	5.006085e+03	4.641931e+03	4.767110e+03
##	8876	8877	8878	8879	8880
##	5.102214e+03	4.308648e+03	6.278725e+03	5.305460e+03	6.016593e+03
##	8881	8882	8883	8884	8885
##	4.347772e+03	5.418806e+03	4.891998e+03	4.203844e+03	5.098246e+03
##	8886	8887	8888	8889	8890
##	4.450838e+03	5.655958e+03	5.068232e+03	5.427919e+03	5.773297e+03
##	8891	8892	8893	8894	8895
##	5.963612e+03	5.052338e+03	3.716202e+03	4.859987e+03	5.289300e+03
##	8896	8897	8898	8899	8900
##	5.248922e+03	5.212505e+03	5.319306e+03	6.175757e+03	4.975944e+03
##	8901	8902	8903	8904	8905
##	5.193431e+03	5.571368e+03	4.733113e+03	4.730122e+03	5.368567e+03
##	8906	8907	8908	8909	8910
##	4.405377e+03	4.039147e+03	4.065768e+03	5.182191e+03	5.238297e+03
##	8911	8912	8913	8914	8915
##	5.043415e+03	4.088752e+03	5.297193e+03	4.893272e+03	4.458023e+03
##	8916	8917	8918	8919	8920
##	4.490741e+03	6.251775e+03	4.716254e+03	4.241391e+03	4.649330e+03
##	8921	8922	8923	8924	8925
##	4.428082e+03	4.629670e+03	3.794895e+03	4.193715e+03	4.836899e+03
##	8926	8927	8928	8929	8930

##	4.873908e+03	4.375795e+03	4.551340e+03	4.590958e+03	4.731297e+03
##	8931	8932	8933	8934	8935
##	4.959483e+03	4.728326e+03	4.691010e+03	4.556257e+03	4.573025e+03
##	8936	8937	8938	8939	8940
##	4.627554e+03	4.780768e+03	4.557911e+03	4.627185e+03	4.602115e+03
##	8941	8942	8943	8944	8945
##	4.542857e+03	4.603987e+03	4.639691e+03	4.861195e+03	4.944503e+03
##	8946	8947	8948	8949	8950
##	4.434876e+03	4.623774e+03	4.807638e+03	5.024948e+03	5.084091e+03
##	8951	8952	8953	8954	8955
##	5.072634e+03	5.163530e+03	5.202780e+03	4.285110e+03	5.241190e+03
##	8956	8957	8958	8959	8960
##	4.521911e+03	5.395941e+03	4.726856e+03	5.399281e+03	6.296070e+03
##	8961	8962	8963	8964	8965
##	4.681326e+03	6.976611e+03	5.358174e+03	5.025140e+03	4.851298e+03
##	8966	8967	8968	8969	8970
##	4.786457e+03	4.885071e+03	4.821004e+03	4.757263e+03	4.784153e+03
##	8971	8972	8973	8974	8975
##	5.173122e+03	5.283376e+03	5.447972e+03	4.444329e+03	5.517599e+03
##	8976	8977	8978	8979	8980
##	5.013813e+03	4.859860e+03	5.249849e+03	5.461104e+03	4.587373e+03
##	8981	8982	8983	8984	8985
##	4.828714e+03	4.869138e+03	4.325641e+03	4.487667e+03	5.386712e+03
##	8986	8987	8988	8989	8990
##	4.819641e+03	5.264754e+03	4.981270e+03	4.279735e+03	4.537658e+03
##	8991	8992	8993	8994	8995
##	4.339387e+03	5.831380e+03	4.466203e+03	4.653006e+03	5.750058e+03
##	8996	8997	8998	8999	9000
##	5.406023e+03	5.271912e+03	5.029074e+03	5.091016e+03	4.607284e+03
##	9001	9002	9003	9004	9005
##	4.725294e+03	4.597039e+03	5.009407e+03	5.621836e+03	6.095448e+03
##	9006	9007	9008	9009	9010
##	4.740108e+03	4.830805e+03	4.853693e+03	4.747679e+03	4.781813e+03
##	9011	9012	9013	9014	9015
##	4.882967e+03	4.879265e+03	4.895047e+03	4.719876e+03	4.918269e+03
##	9016	9017	9018	9019	9020
##	5.220395e+03	5.209253e+03	4.938597e+03	5.326492e+03	5.361993e+03
##	9021	9022	9023	9024	9025
##	5.535981e+03	5.638391e+03	5.281464e+03	5.268714e+03	5.274015e+03
##	9026	9027	9028	9029	9030
##	5.201544e+03	4.672076e+03	4.460036e+03	4.505648e+03	4.818607e+03
##	9031	9032	9033	9034	9035
##	1.328541e+03	-1.486176e+02	-7.940391e+02	2.313999e+02	2.504700e+02
##	9036	9037	9038	9039	9040
##	2.048751e+02	2.842520e+02	2.372076e+02	8.009833e+01	6.836525e+02
##	9041	9042	9043	9044	9045
##	-6.810960e+02	-4.072221e+02	2.443889e+02	8.340862e+02	8.620876e+02
##	9046	9047	9048	9049	9050
##	-1.295910e+03	1.029694e+02	-6.075714e+02	6.437869e+02	-9.696985e+02
##	9051	9052	9053	9054	9055
##	-1.120165e+03	-1.071217e+03	-1.055089e+03	-1.068659e+03	-9.767494e+02
##	9056	9057	9058	9059	9060
##	-1.056083e+03	-1.027305e+03	-1.044224e+03	-9.904904e+02	1.890071e+02
##	9061	9062	9063	9064	9065

##	5.066071e+03	3.736177e+03	4.358633e+03	6.319298e+03	3.838364e+03
##	9066	9067	9068	9069	9070
##	4.325118e+03	3.816905e+03	4.977862e+03	4.447856e+03	5.469753e+03
##	9071	9072	9073	9074	9075
##	5.705905e+03	5.196616e+03	5.039992e+03	6.113285e+03	4.859020e+03
##	9076	9077	9078	9079	9080
##	4.601363e+03	7.177566e+03	5.194857e+03	5.084310e+03	3.832715e+03
##	9081	9082	9083	9084	9085
##	5.295825e+03	4.961080e+03	4.833818e+03	4.960136e+03	5.643133e+03
##	9086	9087	9088	9089	9090
##	4.343502e+03	4.877500e+03	4.857796e+03	4.508049e+03	4.730381e+03
##	9091	9092	9093	9094	9095
##	4.978303e+03	4.686597e+03	7.252323e+03	6.091440e+03	5.690153e+03
##	9096	9097	9098	9099	9100
##	4.270332e+03	4.362937e+03	5.436355e+03	4.413973e+03	4.439908e+03
##	9101	9102	9103	9104	9105
##	5.402830e+03	5.182587e+03	4.915931e+03	5.068560e+03	5.074176e+03
##	9106	9107	9108	9109	9110
##	5.208523e+03	5.099493e+03	5.420700e+03	6.053530e+03	5.537474e+03
##	9111	9112	9113	9114	9115
##	4.964033e+03	5.419775e+03	5.453127e+03	4.924103e+03	5.102446e+03
##	9116	9117	9118	9119	9120
##	4.624455e+03	5.495915e+03	4.672300e+03	4.402022e+03	4.895183e+03
##	9121	9122	9123	9124	9125
##	5.786104e+03	5.251138e+03	5.053177e+03	5.322702e+03	5.295113e+03
##	9126	9127	9128	9129	9130
##	5.231372e+03	5.513808e+03	5.333113e+03	5.291078e+03	4.270955e+03
##	9131	9132	9133	9134	9135
##	4.662135e+03	4.673342e+03	4.661379e+03	5.367816e+03	5.240526e+03
##	9136	9137	9138	9139	9140
##	4.750150e+03	4.913932e+03	4.877706e+03	5.032677e+03	4.936753e+03
##	9141	9142	9143	9144	9145
##	4.947670e+03	5.072687e+03	4.975243e+03	4.384831e+03	4.753010e+03
##	9146	9147	9148	9149	9150
##	4.039322e+03	4.814833e+03	4.817393e+03	4.966592e+03	5.744622e+03
##	9151	9152	9153	9154	9155
##	5.510406e+03	5.510077e+03	4.169317e+03	5.125100e+03	5.307198e+03
##	9156	9157	9158	9159	9160
##	5.122338e+03	5.188858e+03	5.395743e+03	4.810314e+03	4.599085e+03
##	9161	9162	9163	9164	9165
##	4.747711e+03	4.602348e+03	4.990089e+03	4.854204e+03	4.718002e+03
##	9166	9167	9168	9169	9170
##	4.659663e+03	4.759290e+03	4.166830e+03	4.697506e+03	4.991536e+03
##	9171	9172	9173	9174	9175
##	5.604475e+03	4.758044e+03	4.651734e+03	5.147071e+03	4.827839e+03
##	9176	9177	9178	9179	9180
##	4.846256e+03	4.813349e+03	5.137725e+03	4.700734e+03	7.176703e+03
##	9181	9182	9183	9184	9185
##	4.267963e+03	4.986665e+03	5.192390e+03	5.188328e+03	5.210516e+03
##	9186	9187	9188	9189	9190
##	5.093240e+03	4.572948e+03	5.531107e+03	4.826093e+03	5.007094e+03
##	9191	9192	9193	9194	9195
##	5.046267e+03	4.879029e+03	4.801197e+03	4.423955e+03	4.838152e+03
##	9196	9197	9198	9199	9200

##	6.679256e+03	6.679256e+03	5.686810e+03	4.885737e+03	5.556897e+03
##	9201	9202	9203	9204	9205
##	5.483570e+03	5.592097e+03	4.559574e+03	4.505021e+03	5.167058e+03
##	9206	9207	9208	9209	9210
##	4.524777e+03	5.021623e+03	5.137133e+03	5.054757e+03	6.161757e+03
##	9211	9212	9213	9214	9215
##	4.503310e+03	5.081879e+03	4.891407e+03	5.614873e+03	5.166288e+03
##	9216	9217	9218	9219	9220
##	5.043849e+03	4.895326e+03	4.509574e+03	5.055223e+03	6.085520e+03
##	9221	9222	9223	9224	9225
##	4.371709e+03	4.690310e+03	4.975804e+03	4.587305e+03	4.750354e+03
##	9226	9227	9228	9229	9230
##	5.093136e+03	5.061061e+03	4.802120e+03	5.017186e+03	4.939342e+03
##	9231	9232	9233	9234	9235
##	5.239883e+03	4.792331e+03	5.864542e+03	5.452433e+03	5.640039e+03
##	9236	9237	9238	9239	9240
##	4.680953e+03	4.836128e+03	4.931480e+03	4.871782e+03	4.705129e+03
##	9241	9242	9243	9244	9245
##	4.942026e+03	4.589215e+03	5.075171e+03	4.343513e+03	5.371088e+03
##	9246	9247	9248	9249	9250
##	5.667904e+03	5.507879e+03	5.480782e+03	5.015081e+03	5.192336e+03
##	9251	9252	9253	9254	9255
##	5.068018e+03	4.625449e+03	4.658064e+03	5.010799e+03	5.071165e+03
##	9256	9257	9258	9259	9260
##	4.903106e+03	5.226678e+03	5.094527e+03	4.719929e+03	4.930898e+03
##	9261	9262	9263	9264	9265
##	4.884974e+03	5.171812e+03	4.606496e+03	4.706045e+03	4.890510e+03
##	9266	9267	9268	9269	9270
##	4.870284e+03	4.892683e+03	5.271763e+03	5.383481e+03	6.926452e+03
##	9271	9272	9273	9274	9275
##	5.700873e+03	4.531637e+03	5.558499e+03	5.353944e+03	5.153258e+03
##	9276	9277	9278	9279	9280
##	4.901111e+03	4.960803e+03	4.709651e+03	4.975689e+03	5.702026e+03
##	9281	9282	9283	9284	9285
##	4.404801e+03	4.112128e+03	4.714597e+03	4.805753e+03	4.643781e+03
##	9286	9287	9288	9289	9290
##	4.726601e+03	4.945013e+03	4.840437e+03	5.236229e+03	4.519916e+03
##	9291	9292	9293	9294	9295
##	5.429370e+03	5.636590e+03	5.032191e+03	5.066563e+03	5.642381e+03
##	9296	9297	9298	9299	9300
##	5.329739e+03	4.697924e+03	4.845832e+03	4.837748e+03	5.912180e+03
##	9301	9302	9303	9304	9305
##	5.293118e+03	5.387641e+03	6.196934e+03	5.110307e+03	5.154199e+03
##	9306	9307	9308	9309	9310
##	4.775538e+03	4.807662e+03	5.338031e+03	5.353705e+03	4.719811e+03
##	9311	9312	9313	9314	9315
##	4.692357e+03	5.875206e+03	4.868531e+03	5.016983e+03	4.937352e+03
##	9316	9317	9318	9319	9320
##	5.042584e+03	5.021810e+03	4.849868e+03	4.628973e+03	4.693582e+03
##	9321	9322	9323	9324	9325
##	4.948598e+03	4.864824e+03	5.013297e+03	5.012440e+03	5.749836e+03
##	9326	9327	9328	9329	9330
##	5.303590e+03	4.558420e+03	4.544577e+03	6.551454e+03	5.271667e+03
##	9331	9332	9333	9334	9335

##	5.395340e+03	5.256722e+03	5.096612e+03	5.232253e+03	4.260444e+03
##	9336	9337	9338	9339	9340
##	5.147746e+03	4.004158e+03	5.036761e+03	4.996223e+03	5.063184e+03
##	9341	9342	9343	9344	9345
##	5.603566e+03	4.636789e+03	5.009385e+03	4.781543e+03	4.465968e+03
##	9346	9347	9348	9349	9350
##	4.674701e+03	5.013174e+03	4.945252e+03	4.163849e+03	4.820256e+03
##	9351	9352	9353	9354	9355
##	4.654505e+03	5.093067e+03	4.571599e+03	4.953563e+03	5.243294e+03
##	9356	9357	9358	9359	9360
##	4.941756e+03	5.269519e+03	5.276200e+03	5.779113e+03	5.222304e+03
##	9361	9362	9363	9364	9365
##	3.985898e+02	1.874354e+02	2.086631e+02	3.662119e+02	3.185946e+02
##	9366	9367	9368	9369	9370
##	-5.596039e+00	5.162707e+01	2.823131e+01	3.532024e+02	3.082919e+02
##	9371	9372	9373	9374	9375
##	2.185142e+02	1.748811e+02	2.608308e+02	3.369124e+02	2.160332e+02
##	9376	9377	9378	9379	9380
##	3.106046e+02	2.563937e+02	4.879956e+01	3.095564e+02	2.484165e+02
##	9381	9382	9383	9384	9385
##	6.155664e+02	8.253828e+01	3.725664e+02	2.362436e+02	3.588533e+02
##	9386	9387	9388	9389	9390
##	1.862555e+01	-1.885845e+01	1.575476e+01	3.458945e+02	7.752822e+01
##	9391	9392	9393	9394	9395
##	5.522424e+03	5.369081e+03	5.503468e+03	5.293282e+03	4.709418e+03
##	9396	9397	9398	9399	9400
##	4.906826e+03	6.288640e+03	5.557241e+03	4.800405e+03	4.750568e+03
##	9401	9402	9403	9404	9405
##	4.373078e+03	4.785115e+03	5.335412e+03	5.511739e+03	4.906879e+03
##	9406	9407	9408	9409	9410
##	4.854535e+03	5.511922e+03	4.628099e+03	4.252308e+03	4.479097e+03
##	9411	9412	9413	9414	9415
##	4.404800e+03	4.835150e+03	5.283898e+03	4.766800e+03	5.226555e+03
##	9416	9417	9418	9419	9420
##	4.886387e+03	5.417471e+03	5.392828e+03	5.184880e+03	5.391719e+03
##	9421	9422	9423	9424	9425
##	5.264875e+03	4.928650e+03	5.237160e+03	5.517777e+03	4.892732e+03
##	9426	9427	9428	9429	9430
##	4.882929e+03	6.434933e+03	5.482627e+03	5.898783e+03	5.146741e+03
##	9431	9432	9433	9434	9435
##	5.935559e+03	5.154393e+03	3.974931e+03	5.952360e+03	6.620190e+03
##	9436	9437	9438	9439	9440
##	3.697229e+03	4.327872e+03	5.877887e+03	5.163693e+03	4.800354e+03
##	9441	9442	9443	9444	9445
##	5.011886e+03	4.981777e+03	5.049550e+03	5.916586e+03	3.789299e+03
##	9446	9447	9448	9449	9450
##	3.807571e+03	3.785972e+03	5.678193e+03	5.534312e+03	4.848270e+03
##	9451	9452	9453	9454	9455
##	5.061246e+03	5.186794e+03	4.647436e+03	5.560643e+03	5.259246e+03
##	9456	9457	9458	9459	9460
##	6.137142e+03	5.276184e+03	5.700258e+03	5.756604e+03	4.666722e+03
##	9461	9462	9463	9464	9465
##	5.361336e+03	5.027306e+03	4.460487e+03	4.960864e+03	4.010588e+03
##	9466	9467	9468	9469	9470

##	5.220044e+03	5.733634e+03	4.626237e+03	4.795967e+03	4.498765e+03
##	9471	9472	9473	9474	9475
##	4.474259e+03	5.492662e+03	6.560512e+03	5.014281e+03	5.166080e+03
##	9476	9477	9478	9479	9480
##	5.206769e+03	4.950453e+03	5.007926e+03	4.790246e+03	4.367418e+03
##	9481	9482	9483	9484	9485
##	4.622658e+03	4.782708e+03	5.708635e+03	5.456471e+03	5.591308e+03
##	9486	9487	9488	9489	9490
##	5.307433e+03	5.339101e+03	4.947055e+03	4.813494e+03	5.582060e+03
##	9491	9492	9493	9494	9495
##	5.469635e+03	5.285539e+03	5.039993e+03	5.324756e+03	4.902394e+03
##	9496	9497	9498	9499	9500
##	5.270121e+03	5.538928e+03	5.234438e+03	4.992080e+03	4.735949e+03
##	9501	9502	9503	9504	9505
##	6.138949e+03	4.797429e+03	4.580353e+03	4.272021e+03	4.341896e+03
##	9506	9507	9508	9509	9510
##	5.805584e+03	6.018124e+03	4.863436e+03	4.505828e+03	4.875340e+03
##	9511	9512	9513	9514	9515
##	4.808365e+03	5.304660e+03	5.237097e+03	4.965128e+03	4.792429e+03
##	9516	9517	9518	9519	9520
##	5.533589e+03	5.431629e+03	5.349891e+03	6.022994e+03	5.117771e+03
##	9521	9522	9523	9524	9525
##	4.660094e+03	4.765722e+03	4.611228e+03	5.127283e+03	5.204677e+03
##	9526	9527	9528	9529	9530
##	5.020532e+03	5.190094e+03	4.991447e+03	4.849045e+03	4.241019e+03
##	9531	9532	9533	9534	9535
##	4.223629e+03	5.083313e+03	5.071502e+03	4.792850e+03	5.616943e+03
##	9536	9537	9538	9539	9540
##	5.493596e+03	5.655401e+03	5.555855e+03	4.965606e+03	5.019268e+03
##	9541	9542	9543	9544	9545
##	5.002118e+03	5.638656e+03	4.634113e+03	5.115052e+03	4.659186e+03
##	9546	9547	9548	9549	9550
##	4.477637e+03	4.581679e+03	4.933414e+03	5.534050e+03	4.651415e+03
##	9551	9552	9553	9554	9555
##	4.696793e+03	4.595162e+03	5.915395e+03	5.224993e+03	4.912248e+03
##	9556	9557	9558	9559	9560
##	4.893575e+03	4.658542e+03	4.796276e+03	4.860539e+03	4.805718e+03
##	9561	9562	9563	9564	9565
##	4.537114e+03	5.494545e+03	4.743334e+03	4.948178e+03	5.220551e+03
##	9566	9567	9568	9569	9570
##	4.946192e+03	3.424838e+03	4.418223e+03	5.050351e+03	5.234780e+03
##	9571	9572	9573	9574	9575
##	4.968353e+03	4.773054e+03	5.202494e+03	4.797817e+03	4.781771e+03
##	9576	9577	9578	9579	9580
##	4.800188e+03	4.762869e+03	6.747226e+03	5.056584e+03	5.070177e+03
##	9581	9582	9583	9584	9585
##	4.981311e+03	5.172033e+03	5.157792e+03	5.133811e+03	4.899463e+03
##	9586	9587	9588	9589	9590
##	4.931367e+03	4.925287e+03	5.090185e+03	5.313967e+03	4.916273e+03
##	9591	9592	9593	9594	9595
##	5.285274e+03	4.690762e+03	4.927115e+03	4.927115e+03	5.291017e+03
##	9596	9597	9598	9599	9600
##	4.976558e+03	5.271041e+03	5.005552e+03	6.352106e+03	6.263222e+03
##	9601	9602	9603	9604	9605

##	3.745933e+03	5.604766e+03	5.632180e+03	5.656362e+03	4.777643e+03
##	9606	9607	9608	9609	9610
##	5.507077e+03	5.548887e+03	5.483616e+03	5.028470e+03	5.691808e+03
##	9611	9612	9613	9614	9615
##	5.529625e+03	5.510839e+03	5.045611e+03	4.563891e+03	4.317685e+03
##	9616	9617	9618	9619	9620
##	4.955053e+03	4.945050e+03	7.398921e+03	4.348288e+03	4.326955e+03
##	9621	9622	9623	9624	9625
##	5.030986e+03	5.730336e+03	5.104904e+03	5.024184e+03	6.628667e+03
##	9626	9627	9628	9629	9630
##	5.106255e+03	5.235460e+03	5.313308e+03	5.550138e+03	5.668752e+03
##	9631	9632	9633	9634	9635
##	7.198906e+03	6.494146e+03	4.807442e+03	4.505109e+03	3.925126e+03
##	9636	9637	9638	9639	9640
##	4.792834e+03	5.510070e+03	4.608013e+03	5.048018e+03	6.145935e+03
##	9641	9642	9643	9644	9645
##	5.003134e+03	5.171724e+03	5.748041e+03	5.122595e+03	5.201544e+03
##	9646	9647	9648	9649	9650
##	4.515029e+03	5.223617e+03	4.915752e+03	4.933596e+03	5.886885e+03
##	9651	9652	9653	9654	9655
##	5.385446e+03	4.819171e+03	3.892572e+03	3.877788e+03	3.868036e+03
##	9656	9657	9658	9659	9660
##	4.886786e+03	4.811445e+03	4.901311e+03	4.840953e+03	4.558679e+03
##	9661	9662	9663	9664	9665
##	4.797448e+03	5.024277e+03	4.797992e+03	5.317831e+03	5.518934e+03
##	9666	9667	9668	9669	9670
##	4.731376e+03	4.984545e+03	4.257348e+03	5.151622e+03	4.853931e+03
##	9671	9672	9673	9674	9675
##	5.467066e+03	5.471338e+03	5.017695e+03	4.749516e+03	5.473203e+03
##	9676	9677	9678	9679	9680
##	4.577228e+03	5.259424e+03	5.177757e+03	5.218343e+03	4.327594e+03
##	9681	9682	9683	9684	9685
##	3.988267e+03	4.431577e+03	4.462025e+03	5.615072e+03	5.163585e+03
##	9686	9687	9688	9689	9690
##	5.778692e+03	5.121780e+03	4.464411e+03	6.294042e+03	5.211716e+03
##	9691	9692	9693	9694	9695
##	2.594304e+02	2.367323e+02	3.199480e+02	2.351541e+02	-8.679748e+00
##	9696	9697	9698	9699	9700
##	1.986129e+02	2.521016e+02	2.218802e+02	2.534719e+02	-8.911532e+02
##	9701	9702	9703	9704	9705
##	1.316164e+02	3.737727e+02	3.435967e+02	3.580728e+02	4.072700e+02
##	9706	9707	9708	9709	9710
##	4.268505e+02	3.881528e+02	7.843624e+01	5.026397e+02	6.368773e+02
##	9711	9712	9713	9714	9715
##	2.695763e+02	-3.278138e+02	1.612278e+02	-6.481922e+02	3.857354e+02
##	9716	9717	9718	9719	9720
##	4.999814e+02	4.927189e+02	5.243616e+02	5.166993e+02	5.420104e+02
##	9721	9722	9723	9724	9725
##	5.365861e+03	5.546219e+03	5.513937e+03	5.241878e+03	5.061209e+03
##	9726	9727	9728	9729	9730
##	5.631169e+03	6.034025e+03	5.575518e+03	5.137422e+03	4.905339e+03
##	9731	9732	9733	9734	9735
##	5.077481e+03	5.394603e+03	5.384747e+03	5.152996e+03	5.368296e+03
##	9736	9737	9738	9739	9740

##	5.025693e+03	5.737504e+03	5.223454e+03	5.197497e+03	6.313429e+03
##	9741	9742	9743	9744	9745
##	4.673780e+03	4.660915e+03	4.448486e+03	4.202301e+03	4.902714e+03
##	9746	9747	9748	9749	9750
##	5.746370e+03	5.108773e+03	4.751114e+03	4.740626e+03	5.147519e+03
##	9751	9752	9753	9754	9755
##	4.943387e+03	5.058359e+03	5.046806e+03	5.067473e+03	5.067297e+03
##	9756	9757	9758	9759	9760
##	5.087930e+03	5.395198e+03	6.633413e+03	5.199328e+03	4.806394e+03
##	9761	9762	9763	9764	9765
##	5.026163e+03	4.811760e+03	4.800223e+03	5.145253e+03	4.532801e+03
##	9766	9767	9768	9769	9770
##	5.186278e+03	4.838605e+03	4.966089e+03	4.837995e+03	4.866101e+03
##	9771	9772	9773	9774	9775
##	4.778617e+03	5.012048e+03	4.940381e+03	4.938802e+03	5.905295e+03
##	9776	9777	9778	9779	9780
##	4.897214e+03	4.947503e+03	5.191754e+03	5.339547e+03	5.583209e+03
##	9781	9782	9783	9784	9785
##	5.251361e+03	4.961691e+03	5.214819e+03	5.912280e+03	4.025775e+03
##	9786	9787	9788	9789	9790
##	4.998550e+03	4.689577e+03	4.901088e+03	5.847687e+03	4.865434e+03
##	9791	9792	9793	9794	9795
##	4.761010e+03	4.702291e+03	4.727566e+03	4.802976e+03	4.513722e+03
##	9796	9797	9798	9799	9800
##	4.776342e+03	6.725708e+03	4.780356e+03	4.587918e+03	4.944612e+03
##	9801	9802	9803	9804	9805
##	5.030418e+03	5.756942e+03	5.404970e+03	5.551080e+03	4.853565e+03
##	9806	9807	9808	9809	9810
##	3.868796e+03	4.773652e+03	5.895868e+03	4.901502e+03	6.121219e+03
##	9811	9812	9813	9814	9815
##	6.760838e+03	5.407925e+03	4.902260e+03	4.908860e+03	4.795981e+03
##	9816	9817	9818	9819	9820
##	5.218626e+03	5.204949e+03	4.985579e+03	4.940107e+03	5.320425e+03
##	9821	9822	9823	9824	9825
##	5.347288e+03	5.286952e+03	5.301375e+03	4.816504e+03	5.361013e+03
##	9826	9827	9828	9829	9830
##	5.165909e+03	5.278544e+03	4.839975e+03	5.185840e+03	5.341935e+03
##	9831	9832	9833	9834	9835
##	4.887379e+03	5.462528e+03	4.913118e+03	5.376187e+03	4.695550e+03
##	9836	9837	9838	9839	9840
##	4.853606e+03	4.881033e+03	5.875206e+03	4.598412e+03	5.299457e+03
##	9841	9842	9843	9844	9845
##	6.215243e+03	5.165916e+03	5.874486e+03	5.065311e+03	4.960993e+03
##	9846	9847	9848	9849	9850
##	5.070450e+03	4.608764e+03	5.296537e+03	4.905098e+03	4.681471e+03
##	9851	9852	9853	9854	9855
##	4.677157e+03	8.178927e+03	5.343409e+03	5.295152e+03	5.224726e+03
##	9856	9857	9858	9859	9860
##	5.303991e+03	5.254688e+03	5.672840e+03	5.630450e+03	6.688177e+03
##	9861	9862	9863	9864	9865
##	5.498190e+03	4.698969e+03	5.268617e+03	5.032324e+03	5.400405e+03
##	9866	9867	9868	9869	9870
##	5.110095e+03	5.094935e+03	5.199273e+03	5.641206e+03	5.237108e+03
##	9871	9872	9873	9874	9875

##	4.632332e+03	4.909913e+03	5.273814e+03	4.841945e+03	6.840265e+03
##	9876	9877	9878	9879	9880
##	4.808552e+03	4.895476e+03	5.244372e+03	4.422487e+03	5.168704e+03
##	9881	9882	9883	9884	9885
##	5.030385e+03	5.249090e+03	5.705083e+03	5.307239e+03	5.455553e+03
##	9886	9887	9888	9889	9890
##	5.722139e+03	4.981946e+03	5.253815e+03	5.004299e+03	4.803758e+03
##	9891	9892	9893	9894	9895
##	4.788970e+03	4.818171e+03	5.123670e+03	4.583280e+03	5.074680e+03
##	9896	9897	9898	9899	9900
##	4.618338e+03	4.370325e+03	4.510558e+03	4.294749e+03	5.243524e+03
##	9901	9902	9903	9904	9905
##	4.713447e+03	4.763194e+03	5.618545e+03	5.255827e+03	5.575094e+03
##	9906	9907	9908	9909	9910
##	6.686873e+03	4.768885e+03	4.910067e+03	4.906742e+03	4.934921e+03
##	9911	9912	9913	9914	9915
##	4.672297e+03	5.571754e+03	4.902137e+03	5.943995e+03	6.009538e+03
##	9916	9917	9918	9919	9920
##	5.753491e+03	4.961090e+03	6.096003e+03	5.955009e+03	5.943551e+03
##	9921	9922	9923	9924	9925
##	4.605491e+03	4.965458e+03	4.712187e+03	5.967672e+03	4.031703e+03
##	9926	9927	9928	9929	9930
##	5.464281e+03	5.519620e+03	5.211732e+03	5.273863e+03	5.115773e+03
##	9931	9932	9933	9934	9935
##	5.239471e+03	5.357451e+03	5.188527e+03	5.471322e+03	4.223681e+03
##	9936	9937	9938	9939	9940
##	5.087665e+03	4.896967e+03	4.797782e+03	4.946591e+03	4.813718e+03
##	9941	9942	9943	9944	9945
##	4.342668e+03	4.542588e+03	4.099250e+03	4.068004e+03	5.255213e+03
##	9946	9947	9948	9949	9950
##	4.790227e+03	5.484913e+03	4.868167e+03	5.085760e+03	5.128299e+03
##	9951	9952	9953	9954	9955
##	5.204741e+03	5.699877e+03	5.759397e+03	5.754043e+03	5.169592e+03
##	9956	9957	9958	9959	9960
##	5.319355e+03	4.185477e+03	6.571932e+03	4.667893e+03	5.078979e+03
##	9961	9962	9963	9964	9965
##	5.164737e+03	5.165766e+03	5.236660e+03	6.010473e+03	5.582012e+03
##	9966	9967	9968	9969	9970
##	4.760337e+03	4.921028e+03	4.871119e+03	5.746638e+03	5.481430e+03
##	9971	9972	9973	9974	9975
##	4.560820e+03	5.106700e+03	4.801022e+03	4.588070e+03	5.430938e+03
##	9976	9977	9978	9979	9980
##	4.712644e+03	4.990109e+03	5.510636e+03	6.391999e+03	5.528838e+03
##	9981	9982	9983	9984	9985
##	4.995838e+03	4.531365e+03	4.501263e+03	5.462893e+03	5.467093e+03
##	9986	9987	9988	9989	9990
##	5.884859e+03	4.564626e+03	5.408779e+03	6.167555e+03	7.187945e+03
##	9991	9992	9993	9994	9995
##	6.175193e+03	4.851984e+03	5.518518e+03	4.645899e+03	4.775681e+03
##	9996	9997	9998	9999	10000
##	4.553417e+03	4.566147e+03	4.593398e+03	5.777614e+03	5.011149e+03
##	10001	10002	10003	10004	10005
##	5.035044e+03	4.845308e+03	5.021125e+03	5.797665e+03	4.862873e+03
##	10006	10007	10008	10009	10010

##	6.342281e+03	5.247836e+03	5.346632e+03	5.229955e+03	5.364349e+03
##	10011	10012	10013	10014	10015
##	5.762598e+03	4.813743e+03	4.930119e+03	4.810543e+03	4.871320e+03
##	10016	10017	10018	10019	10020
##	5.593481e+03	6.734403e+03	5.326629e+03	4.983072e+03	5.436656e+03
##	10021	10022	10023	10024	10025
##	-3.256258e+03	-3.161580e+03	-1.175995e+03	-4.131920e+02	-4.931568e+02
##	10026	10027	10028	10029	10030
##	-1.140597e+03	4.970149e+02	5.076876e+02	5.229819e+02	-8.032762e+02
##	10031	10032	10033	10034	10035
##	-2.582113e+03	-1.852525e+03	-5.371679e+02	-7.464090e+02	4.224501e+02
##	10036	10037	10038	10039	10040
##	6.660640e+01	1.732314e+02	-1.648408e+03	-5.531559e+02	-1.485278e+03
##	10041	10042	10043	10044	10045
##	-1.073541e+03	3.112599e+02	2.980936e+02	-2.089378e+03	-1.218244e+03
##	10046	10047	10048	10049	10050
##	-1.183112e+03	-1.414664e+03	-1.267328e+03	-1.214693e+03	-1.390638e+03
##	10051	10052	10053	10054	10055
##	4.936236e+02	4.873998e+02	8.276695e+02	8.957329e+02	8.284628e+02
##	10056	10057	10058	10059	10060
##	9.892953e+02	1.006416e+03	6.658262e+02	6.149230e+02	6.559622e+02
##	10061	10062	10063	10064	10065
##	-7.030212e+02	-1.036563e+03	-7.993142e+02	-7.528481e+02	-8.547011e+02
##	10066	10067	10068	10069	10070
##	-8.495158e+02	-8.854048e+02	-8.158012e+02	-8.607840e+02	-7.277953e+02
##	10071	10072	10073	10074	10075
##	-7.779180e+02	-9.311353e+02	-1.083868e+03	-7.422451e+02	-1.241542e+03
##	10076	10077	10078	10079	10080
##	9.017122e+02	8.102945e+02	2.887161e+02	2.542660e+02	3.679717e+02
##	10081	10082	10083	10084	10085
##	5.184899e+03	5.855765e+03	5.095538e+03	5.905700e+03	6.193996e+03
##	10086	10087	10088	10089	10090
##	5.553030e+03	4.947524e+03	5.278675e+03	5.537713e+03	4.580333e+03
##	10091	10092	10093	10094	10095
##	4.661210e+03	4.981715e+03	4.436522e+03	5.610491e+03	6.189666e+03
##	10096	10097	10098	10099	10100
##	5.395391e+03	3.953216e+03	5.118511e+03	5.484136e+03	7.177884e+03
##	10101	10102	10103	10104	10105
##	5.178248e+03	5.190152e+03	5.844030e+03	5.533248e+03	4.709528e+03
##	10106	10107	10108	10109	10110
##	4.455892e+03	5.220100e+03	4.572105e+03	4.660029e+03	4.445297e+03
##	10111	10112	10113	10114	10115
##	5.472789e+03	5.351621e+03	4.916931e+03	5.378069e+03	5.442901e+03
##	10116	10117	10118	10119	10120
##	5.491545e+03	5.508172e+03	5.488910e+03	4.883960e+03	5.023117e+03
##	10121	10122	10123	10124	10125
##	5.040258e+03	5.403071e+03	5.399774e+03	4.725234e+03	5.421234e+03
##	10126	10127	10128	10129	10130
##	4.998086e+03	5.530141e+03	4.980193e+03	5.049956e+03	8.181438e+03
##	10131	10132	10133	10134	10135
##	5.855797e+03	5.545313e+03	5.738281e+03	5.550785e+03	6.059007e+03
##	10136	10137	10138	10139	10140
##	4.632524e+03	4.867836e+03	5.194745e+03	3.845309e+03	5.201911e+03
##	10141	10142	10143	10144	10145

##	5.591658e+03	5.447808e+03	5.046154e+03	4.755034e+03	5.256938e+03
##	10146	10147	10148	10149	10150
##	5.637681e+03	4.750466e+03	5.493313e+03	6.028245e+03	4.328483e+03
##	10151	10152	10153	10154	10155
##	4.954932e+03	5.156192e+03	4.822952e+03	5.717505e+03	5.301422e+03
##	10156	10157	10158	10159	10160
##	4.877067e+03	4.930881e+03	4.653519e+03	5.885355e+03	4.953363e+03
##	10161	10162	10163	10164	10165
##	4.809789e+03	5.496537e+03	6.074678e+03	5.775930e+03	4.869537e+03
##	10166	10167	10168	10169	10170
##	7.072344e+03	4.916507e+03	6.327727e+03	4.608069e+03	5.373185e+03
##	10171	10172	10173	10174	10175
##	6.539273e+03	5.365517e+03	5.761157e+03	5.704319e+03	5.810298e+03
##	10176	10177	10178	10179	10180
##	4.867916e+03	4.903637e+03	5.168640e+03	5.297535e+03	5.284690e+03
##	10181	10182	10183	10184	10185
##	5.284690e+03	4.838752e+03	4.915878e+03	5.375503e+03	5.127875e+03
##	10186	10187	10188	10189	10190
##	5.422994e+03	4.685704e+03	7.528876e+03	5.793696e+03	5.060708e+03
##	10191	10192	10193	10194	10195
##	5.152260e+03	4.628604e+03	4.982587e+03	5.233241e+03	5.764018e+03
##	10196	10197	10198	10199	10200
##	5.323747e+03	5.399835e+03	5.558398e+03	4.934289e+03	5.536299e+03
##	10201	10202	10203	10204	10205
##	5.675504e+03	5.192672e+03	4.985563e+03	4.929510e+03	5.008336e+03
##	10206	10207	10208	10209	10210
##	4.068309e+03	6.430054e+03	5.277211e+03	5.533819e+03	5.062401e+03
##	10211	10212	10213	10214	10215
##	4.132970e+03	5.102103e+03	5.090057e+03	5.803330e+03	5.348857e+03
##	10216	10217	10218	10219	10220
##	5.036766e+03	6.797384e+03	5.176917e+03	5.229498e+03	4.736122e+03
##	10221	10222	10223	10224	10225
##	4.878781e+03	7.266757e+03	4.247509e+03	5.409052e+03	6.328875e+03
##	10226	10227	10228	10229	10230
##	5.904176e+03	5.979409e+03	4.404978e+03	4.367056e+03	5.128313e+03
##	10231	10232	10233	10234	10235
##	4.143479e+03	5.014961e+03	5.438769e+03	5.096625e+03	4.856268e+03
##	10236	10237	10238	10239	10240
##	4.922925e+03	5.571384e+03	6.434589e+03	5.085450e+03	5.469310e+03
##	10241	10242	10243	10244	10245
##	6.404323e+03	5.041861e+03	5.795062e+03	4.917550e+03	4.458972e+03
##	10246	10247	10248	10249	10250
##	4.740270e+03	5.039826e+03	4.719273e+03	4.673081e+03	4.478768e+03
##	10251	10252	10253	10254	10255
##	4.440796e+03	4.968160e+03	4.453756e+03	5.348460e+03	5.223581e+03
##	10256	10257	10258	10259	10260
##	4.756375e+03	5.479630e+03	5.089435e+03	4.642073e+03	4.671754e+03
##	10261	10262	10263	10264	10265
##	4.730474e+03	4.473007e+03	4.834898e+03	4.684224e+03	4.860373e+03
##	10266	10267	10268	10269	10270
##	4.765747e+03	5.199574e+03	5.877561e+03	4.803122e+03	4.762261e+03
##	10271	10272	10273	10274	10275
##	5.070312e+03	6.048220e+03	5.215215e+03	5.265154e+03	5.129472e+03
##	10276	10277	10278	10279	10280

##	4.793187e+03	4.807246e+03	5.103693e+03	5.988904e+03	5.014270e+03
##	10281	10282	10283	10284	10285
##	5.010061e+03	5.080541e+03	5.303385e+03	5.258338e+03	5.486042e+03
##	10286	10287	10288	10289	10290
##	5.336675e+03	5.255534e+03	5.075733e+03	5.014844e+03	4.919249e+03
##	10291	10292	10293	10294	10295
##	5.151100e+03	4.829521e+03	6.697493e+03	4.096373e+03	6.020028e+03
##	10296	10297	10298	10299	10300
##	5.342605e+03	5.420114e+03	5.589257e+03	4.379115e+03	5.197188e+03
##	10301	10302	10303	10304	10305
##	4.682510e+03	4.839182e+03	4.715095e+03	4.815200e+03	5.740571e+03
##	10306	10307	10308	10309	10310
##	4.640753e+03	5.092055e+03	4.914193e+03	4.319133e+03	4.972615e+03
##	10311	10312	10313	10314	10315
##	4.979495e+03	5.790889e+03	5.808446e+03	4.981962e+03	5.079559e+03
##	10316	10317	10318	10319	10320
##	5.496543e+03	5.170528e+03	5.037149e+03	5.117843e+03	5.590312e+03
##	10321	10322	10323	10324	10325
##	5.612083e+03	5.131925e+03	5.509019e+03	5.382501e+03	5.186214e+03
##	10326	10327	10328	10329	10330
##	5.231443e+03	5.264616e+03	4.691788e+03	5.299794e+03	5.441251e+03
##	10331	10332	10333	10334	10335
##	5.874551e+03	5.419224e+03	5.420237e+03	5.759535e+03	5.671073e+03
##	10336	10337	10338	10339	10340
##	5.208763e+03	4.107861e+03	4.755714e+03	5.169395e+03	4.976303e+03
##	10341	10342	10343	10344	10345
##	6.238351e+03	4.562438e+03	4.890688e+03	5.601591e+03	5.474231e+03
##	10346	10347	10348	10349	10350
##	5.405869e+03	4.973763e+03	5.365717e+03	5.398785e+03	5.142055e+03
##	10351	10352	10353	10354	10355
##	5.615809e+03	5.462772e+03	3.853130e+03	4.816539e+03	5.838200e+03
##	10356	10357	10358	10359	10360
##	5.946326e+03	4.896435e+03	5.403631e+03	7.384834e+03	4.914243e+03
##	10361	10362	10363	10364	10365
##	6.143363e+03	6.080185e+03	5.614057e+03	5.614057e+03	5.141028e+03
##	10366	10367	10368	10369	10370
##	5.060726e+03	5.007595e+03	5.471535e+03	6.062341e+03	5.922534e+03
##	10371	10372	10373	10374	10375
##	6.049910e+03	5.665470e+03	5.520848e+03	6.704977e+03	6.106372e+03
##	10376	10377	10378	10379	10380
##	4.664281e+03	5.259302e+03	6.284562e+03	5.125027e+03	5.814285e+03
##	10381	10382	10383	10384	10385
##	-3.219492e+02	-3.360955e+02	-1.178796e+03	2.911118e+02	2.369036e+02
##	10386	10387	10388	10389	10390
##	-6.627300e+02	-6.767276e+02	-1.930203e+02	-2.449407e+02	-3.176132e+02
##	10391	10392	10393	10394	10395
##	-3.113114e+02	-3.906883e+02	-2.841099e+02	-3.678709e+02	-3.222306e+02
##	10396	10397	10398	10399	10400
##	-2.243704e+02	-4.646513e+02	-3.799931e+02	-4.064218e+02	-3.389705e+02
##	10401	10402	10403	10404	10405
##	-2.876174e+02	-3.875269e+02	-8.921055e+02	-7.579485e+02	-1.074784e+03
##	10406	10407	10408	10409	10410
##	-8.414045e+02	-5.916398e+02	-2.827058e+02	-3.751281e+02	-2.827071e+02
##	10411	10412	10413	10414	10415

##	4.974219e+03	5.057128e+03	5.834990e+03	5.907726e+03	5.371858e+03
##	10416	10417	10418	10419	10420
##	4.557264e+03	4.569356e+03	4.750731e+03	5.286424e+03	4.735387e+03
##	10421	10422	10423	10424	10425
##	4.760076e+03	5.467404e+03	5.343407e+03	4.554774e+03	4.743538e+03
##	10426	10427	10428	10429	10430
##	5.439583e+03	5.765556e+03	5.747380e+03	5.734264e+03	5.612722e+03
##	10431	10432	10433	10434	10435
##	6.166573e+03	5.321271e+03	5.338728e+03	5.081860e+03	5.262636e+03
##	10436	10437	10438	10439	10440
##	5.787771e+03	6.178094e+03	5.406760e+03	4.713411e+03	5.678099e+03
##	10441	10442	10443	10444	10445
##	6.075748e+03	4.699134e+03	4.821893e+03	4.868562e+03	4.707615e+03
##	10446	10447	10448	10449	10450
##	4.817583e+03	5.523877e+03	4.754984e+03	4.530284e+03	5.574815e+03
##	10451	10452	10453	10454	10455
##	5.649401e+03	5.148075e+03	5.549825e+03	4.771696e+03	4.789689e+03
##	10456	10457	10458	10459	10460
##	4.900670e+03	5.587747e+03	4.765132e+03	5.347825e+03	5.076164e+03
##	10461	10462	10463	10464	10465
##	6.192759e+03	4.686275e+03	5.978623e+03	4.720334e+03	5.529483e+03
##	10466	10467	10468	10469	10470
##	5.030116e+03	6.468115e+03	5.241453e+03	5.302671e+03	5.214213e+03
##	10471	10472	10473	10474	10475
##	6.465114e+03	5.435238e+03	5.435238e+03	5.422561e+03	5.028721e+03
##	10476	10477	10478	10479	10480
##	5.285125e+03	6.061147e+03	5.593073e+03	4.512028e+03	5.091208e+03
##	10481	10482	10483	10484	10485
##	5.381783e+03	4.694377e+03	7.279248e+03	4.668274e+03	4.646660e+03
##	10486	10487	10488	10489	10490
##	5.009924e+03	4.823389e+03	4.930618e+03	4.741259e+03	3.922289e+03
##	10491	10492	10493	10494	10495
##	5.088625e+03	5.435615e+03	5.060594e+03	3.988117e+03	5.167021e+03
##	10496	10497	10498	10499	10500
##	5.512712e+03	4.874869e+03	5.016613e+03	5.684353e+03	5.401288e+03
##	10501	10502	10503	10504	10505
##	4.836673e+03	4.632477e+03	6.396038e+03	4.871282e+03	5.405349e+03
##	10506	10507	10508	10509	10510
##	5.512315e+03	4.916988e+03	6.178206e+03	4.950336e+03	5.343582e+03
##	10511	10512	10513	10514	10515
##	5.133802e+03	4.274914e+03	5.189926e+03	5.220777e+03	5.320742e+03
##	10516	10517	10518	10519	10520
##	5.255025e+03	4.783973e+03	4.510590e+03	4.550859e+03	5.494042e+03
##	10521	10522	10523	10524	10525
##	5.133105e+03	5.126232e+03	4.435705e+03	5.015940e+03	5.397717e+03
##	10526	10527	10528	10529	10530
##	4.684519e+03	5.890118e+03	5.552172e+03	5.649580e+03	5.434070e+03
##	10531	10532	10533	10534	10535
##	5.443799e+03	4.721385e+03	5.220785e+03	4.962196e+03	5.498650e+03
##	10536	10537	10538	10539	10540
##	5.562505e+03	5.514609e+03	4.586948e+03	5.351378e+03	4.725767e+03
##	10541	10542	10543	10544	10545
##	4.810600e+03	5.334576e+03	5.409881e+03	4.794162e+03	5.594805e+03
##	10546	10547	10548	10549	10550

##	5.331958e+03	5.576126e+03	5.178248e+03	5.495513e+03	5.171375e+03
##	10551	10552	10553	10554	10555
##	5.647660e+03	5.628537e+03	5.213431e+03	5.653437e+03	6.296054e+03
##	10556	10557	10558	10559	10560
##	5.235616e+03	5.863703e+03	5.948469e+03	5.350667e+03	6.226827e+03
##	10561	10562	10563	10564	10565
##	4.774216e+03	4.450830e+03	5.318233e+03	6.044142e+03	5.303603e+03
##	10566	10567	10568	10569	10570
##	4.899700e+03	4.733531e+03	4.987585e+03	4.839001e+03	5.228761e+03
##	10571	10572	10573	10574	10575
##	5.907364e+03	5.240745e+03	5.010077e+03	5.080147e+03	4.992829e+03
##	10576	10577	10578	10579	10580
##	4.966256e+03	5.076827e+03	4.968444e+03	6.788738e+03	5.945940e+03
##	10581	10582	10583	10584	10585
##	5.917556e+03	5.576427e+03	5.417648e+03	5.509643e+03	5.649818e+03
##	10586	10587	10588	10589	10590
##	5.879096e+03	5.657593e+03	3.909425e+03	5.452082e+03	5.384832e+03
##	10591	10592	10593	10594	10595
##	5.428424e+03	5.332734e+03	5.308743e+03	5.238198e+03	4.955253e+03
##	10596	10597	10598	10599	10600
##	5.303100e+03	4.180469e+03	5.076981e+03	5.392458e+03	6.456210e+03
##	10601	10602	10603	10604	10605
##	4.053697e+03	4.528733e+03	5.185189e+03	5.911518e+03	5.439632e+03
##	10606	10607	10608	10609	10610
##	5.278775e+03	5.535357e+03	6.956822e+03	5.760540e+03	5.826962e+03
##	10611	10612	10613	10614	10615
##	5.236496e+03	5.903336e+03	5.775990e+03	6.931977e+03	5.703947e+03
##	10616	10617	10618	10619	10620
##	5.606882e+03	4.518664e+03	5.497451e+03	5.577186e+03	5.448226e+03
##	10621	10622	10623	10624	10625
##	5.332835e+03	6.789448e+03	4.695407e+03	6.096451e+03	5.578833e+03
##	10626	10627	10628	10629	10630
##	4.842813e+03	4.814071e+03	4.673806e+03	5.391674e+03	5.146381e+03
##	10631	10632	10633	10634	10635
##	5.609592e+03	5.269971e+03	5.672351e+03	5.224144e+03	5.402500e+03
##	10636	10637	10638	10639	10640
##	5.671931e+03	5.391278e+03	4.827239e+03	5.291989e+03	5.457766e+03
##	10641	10642	10643	10644	10645
##	4.795196e+03	5.302649e+03	5.274474e+03	6.842492e+03	5.064837e+03
##	10646	10647	10648	10649	10650
##	4.838630e+03	4.825590e+03	4.826229e+03	4.622187e+03	4.834851e+03
##	10651	10652	10653	10654	10655
##	4.972997e+03	4.881242e+03	5.819727e+03	4.999111e+03	5.000733e+03
##	10656	10657	10658	10659	10660
##	5.856054e+03	5.121493e+03	5.727716e+03	5.128063e+03	7.574077e+03
##	10661	10662	10663	10664	10665
##	6.134179e+03	5.242842e+03	5.270137e+03	5.210980e+03	4.414882e+03
##	10666	10667	10668	10669	10670
##	5.199683e+03	5.217809e+03	5.289684e+03	5.835085e+03	5.292037e+03
##	10671	10672	10673	10674	10675
##	5.560528e+03	5.183724e+03	5.302570e+03	5.632661e+03	4.590743e+03
##	10676	10677	10678	10679	10680
##	4.581746e+03	5.114739e+03	5.963193e+03	5.185174e+03	5.249763e+03
##	10681	10682	10683	10684	10685

##	5.750751e+03	5.078270e+03	4.911996e+03	4.755389e+03	5.316331e+03
##	10686	10687	10688	10689	10690
##	5.409402e+03	5.433137e+03	5.318398e+03	4.959231e+03	4.910733e+03
##	10691	10692	10693	10694	10695
##	6.779001e+03	6.881370e+03	5.126701e+03	5.195386e+03	4.933415e+03
##	10696	10697	10698	10699	10700
##	4.868356e+03	5.217163e+03	4.902364e+03	4.814910e+03	5.475536e+03
##	10701	10702	10703	10704	10705
##	4.502253e+03	6.023911e+03	5.013330e+03	5.301893e+03	4.666403e+03
##	10706	10707	10708	10709	10710
##	5.757226e+03	5.644160e+03	5.401032e+03	4.173715e+03	6.790541e+03
##	10711	10712	10713	10714	10715
##	-3.173149e+02	-3.283873e+02	-7.235804e+02	-8.209792e+02	-7.309055e+02
##	10716	10717	10718	10719	10720
##	-1.046798e+03	-8.646601e+02	-7.021389e+02	-7.587384e+02	-7.041731e+02
##	10721	10722	10723	10724	10725
##	-9.041824e+02	-7.143065e+02	-1.003456e+03	-8.648002e+02	-7.738728e+02
##	10726	10727	10728	10729	10730
##	-8.763041e+02	-1.092226e+03	-1.321260e+03	-7.080373e+02	4.780701e+02
##	10731	10732	10733	10734	10735
##	5.754241e+02	-6.347874e+02	-5.393280e+02	-6.743163e+02	-5.218737e+02
##	10736	10737	10738	10739	10740
##	-6.194928e+02	-4.931189e+02	-5.678417e+02	-6.384050e+02	-8.544051e+02
##	10741	10742	10743	10744	10745
##	4.850529e+03	5.599076e+03	5.103298e+03	5.495709e+03	5.358620e+03
##	10746	10747	10748	10749	10750
##	5.533109e+03	5.481292e+03	5.271677e+03	4.880628e+03	4.985900e+03
##	10751	10752	10753	10754	10755
##	5.442511e+03	4.510058e+03	6.631421e+03	4.743136e+03	5.304901e+03
##	10756	10757	10758	10759	10760
##	5.389700e+03	5.625004e+03	5.813479e+03	6.352812e+03	5.536850e+03
##	10761	10762	10763	10764	10765
##	4.919298e+03	5.751768e+03	5.691877e+03	5.680832e+03	5.651411e+03
##	10766	10767	10768	10769	10770
##	6.125121e+03	5.287984e+03	5.408255e+03	4.832032e+03	6.004172e+03
##	10771	10772	10773	10774	10775
##	5.435897e+03	4.865056e+03	4.844472e+03	5.451714e+03	5.697845e+03
##	10776	10777	10778	10779	10780
##	6.139678e+03	5.285265e+03	5.726450e+03	5.331461e+03	5.302525e+03
##	10781	10782	10783	10784	10785
##	4.752401e+03	4.104451e+03	7.122694e+03	5.108993e+03	5.091110e+03
##	10786	10787	10788	10789	10790
##	5.571741e+03	4.489218e+03	4.414454e+03	4.979853e+03	4.539427e+03
##	10791	10792	10793	10794	10795
##	5.846280e+03	5.436477e+03	5.759085e+03	4.530335e+03	5.861461e+03
##	10796	10797	10798	10799	10800
##	5.747412e+03	6.313476e+03	4.387290e+03	5.388245e+03	5.189376e+03
##	10801	10802	10803	10804	10805
##	6.169452e+03	5.999016e+03	6.167859e+03	6.011447e+03	5.218293e+03
##	10806	10807	10808	10809	10810
##	6.613368e+03	6.933642e+03	6.233173e+03	5.698369e+03	5.505254e+03
##	10811	10812	10813	10814	10815
##	5.613779e+03	4.585133e+03	5.168105e+03	5.426157e+03	6.065658e+03
##	10816	10817	10818	10819	10820

##	3.710651e+03	5.140865e+03	5.463496e+03	4.805938e+03	4.784619e+03
##	10821	10822	10823	10824	10825
##	5.281590e+03	5.421411e+03	6.384618e+03	6.575832e+03	5.278874e+03
##	10826	10827	10828	10829	10830
##	5.552705e+03	5.367888e+03	5.410967e+03	4.181893e+03	5.872750e+03
##	10831	10832	10833	10834	10835
##	4.749416e+03	4.013901e+03	4.530619e+03	5.703728e+03	5.556078e+03
##	10836	10837	10838	10839	10840
##	5.597189e+03	5.735020e+03	5.655772e+03	5.322266e+03	6.213455e+03
##	10841	10842	10843	10844	10845
##	4.451572e+03	5.236926e+03	5.328550e+03	5.336275e+03	5.824403e+03
##	10846	10847	10848	10849	10850
##	5.287092e+03	4.880262e+03	5.731524e+03	5.020788e+03	5.372228e+03
##	10851	10852	10853	10854	10855
##	5.995113e+03	5.591841e+03	4.922499e+03	4.740807e+03	5.025905e+03
##	10856	10857	10858	10859	10860
##	5.478407e+03	5.068938e+03	4.810890e+03	5.978652e+03	6.096000e+03
##	10861	10862	10863	10864	10865
##	5.695120e+03	5.596893e+03	5.004451e+03	5.406558e+03	4.787047e+03
##	10866	10867	10868	10869	10870
##	4.901826e+03	4.874073e+03	6.696791e+03	4.984631e+03	5.818829e+03
##	10871	10872	10873	10874	10875
##	5.587165e+03	5.983448e+03	6.107619e+03	5.813639e+03	5.803453e+03
##	10876	10877	10878	10879	10880
##	5.381608e+03	4.689798e+03	5.966472e+03	5.608605e+03	6.075916e+03
##	10881	10882	10883	10884	10885
##	5.124019e+03	6.894029e+03	5.393751e+03	5.215742e+03	5.262633e+03
##	10886	10887	10888	10889	10890
##	5.307497e+03	5.933843e+03	5.459325e+03	5.521174e+03	5.181210e+03
##	10891	10892	10893	10894	10895
##	5.381442e+03	5.008665e+03	5.111305e+03	5.718267e+03	5.587750e+03
##	10896	10897	10898	10899	10900
##	4.935443e+03	5.103544e+03	6.839474e+03	4.894955e+03	4.909348e+03
##	10901	10902	10903	10904	10905
##	4.979388e+03	4.905678e+03	6.315372e+03	5.056724e+03	6.274652e+03
##	10906	10907	10908	10909	10910
##	5.161980e+03	5.578255e+03	5.250538e+03	5.251876e+03	4.766747e+03
##	10911	10912	10913	10914	10915
##	5.239389e+03	5.159422e+03	6.123864e+03	5.722892e+03	5.465098e+03
##	10916	10917	10918	10919	10920
##	5.195908e+03	4.618332e+03	5.442794e+03	5.235062e+03	4.922357e+03
##	10921	10922	10923	10924	10925
##	5.509570e+03	5.211300e+03	5.201020e+03	4.952349e+03	5.568757e+03
##	10926	10927	10928	10929	10930
##	5.783362e+03	5.065160e+03	5.102569e+03	5.285633e+03	5.033734e+03
##	10931	10932	10933	10934	10935
##	5.350589e+03	6.074429e+03	5.554090e+03	5.894537e+03	5.516947e+03
##	10936	10937	10938	10939	10940
##	5.311247e+03	4.730602e+03	5.601573e+03	5.537835e+03	5.351500e+03
##	10941	10942	10943	10944	10945
##	5.429932e+03	5.573644e+03	5.408480e+03	5.410883e+03	5.430601e+03
##	10946	10947	10948	10949	10950
##	5.603835e+03	5.675349e+03	4.879357e+03	4.598953e+03	5.670154e+03
##	10951	10952	10953	10954	10955

##	5.335708e+03	5.237117e+03	4.875342e+03	5.509851e+03	5.633684e+03
##	10956	10957	10958	10959	10960
##	5.563248e+03	6.306647e+03	4.511194e+03	5.592365e+03	5.307170e+03
##	10961	10962	10963	10964	10965
##	5.244293e+03	5.296664e+03	5.252055e+03	5.523995e+03	5.802631e+03
##	10966	10967	10968	10969	10970
##	4.958130e+03	4.936079e+03	5.631187e+03	6.078414e+03	5.209739e+03
##	10971	10972	10973	10974	10975
##	5.435780e+03	5.679179e+03	6.737516e+03	4.959183e+03	5.873742e+03
##	10976	10977	10978	10979	10980
##	5.627057e+03	5.912203e+03	5.207621e+03	5.588641e+03	5.531133e+03
##	10981	10982	10983	10984	10985
##	5.195960e+03	5.287389e+03	6.206875e+03	5.691853e+03	5.449803e+03
##	10986	10987	10988	10989	10990
##	5.443377e+03	5.682454e+03	5.658053e+03	4.946964e+03	4.894180e+03
##	10991	10992	10993	10994	10995
##	5.749882e+03	5.797585e+03	6.083731e+03	5.637970e+03	4.709532e+03
##	10996	10997	10998	10999	11000
##	5.699020e+03	5.115916e+03	5.615035e+03	5.474397e+03	5.433962e+03
##	11001	11002	11003	11004	11005
##	5.597915e+03	7.548476e+03	5.413921e+03	5.875629e+03	5.606646e+03
##	11006	11007	11008	11009	11010
##	5.931389e+03	5.721017e+03	5.310830e+03	5.660144e+03	5.660144e+03
##	11011	11012	11013	11014	11015
##	5.393731e+03	5.336867e+03	5.040110e+03	5.087835e+03	5.410136e+03
##	11016	11017	11018	11019	11020
##	6.986370e+03	6.127286e+03	3.962080e+03	5.454051e+03	5.476193e+03
##	11021	11022	11023	11024	11025
##	4.937796e+03	5.745008e+03	7.579174e+03	6.847229e+03	7.031103e+03
##	11026	11027	11028	11029	11030
##	5.745533e+03	5.276989e+03	4.207890e+03	5.527940e+03	6.461644e+03
##	11031	11032	11033	11034	11035
##	4.957849e+03	5.358896e+03	5.285389e+03	4.110723e+03	5.351606e+03
##	11036	11037	11038	11039	11040
##	5.449519e+03	5.787294e+03	4.674953e+03	4.796115e+03	5.457665e+03
##	11041	11042	11043	11044	11045
##	-8.490235e+02	-1.026955e+03	-6.110714e+01	5.361919e+02	5.446628e+02
##	11046	11047	11048	11049	11050
##	5.207902e+02	9.659566e+01	-7.495944e+02	-5.557692e+02	5.397227e+02
##	11051	11052	11053	11054	11055
##	9.261004e+02	1.007930e+03	9.954816e+02	8.065696e+01	1.240148e+03
##	11056	11057	11058	11059	11060
##	6.229392e+02	7.177381e+02	-1.092401e+03	-1.059405e+03	2.820342e+02
##	11061	11062	11063	11064	11065
##	4.799593e+02	7.655993e+02	6.369571e+02	-5.138484e+02	-8.827344e+01
##	11066	11067	11068	11069	11070
##	1.491176e+02	4.696739e+02	2.434888e+02	3.491808e+02	2.501730e+02
##	11071	11072	11073	11074	11075
##	4.796703e+03	4.649113e+03	4.603688e+03	6.759050e+03	4.503197e+03
##	11076	11077	11078	11079	11080
##	4.631819e+03	4.638452e+03	5.202805e+03	5.321030e+03	5.135821e+03
##	11081	11082	11083	11084	11085
##	5.441462e+03	5.243657e+03	5.736913e+03	4.839778e+03	5.269798e+03
##	11086	11087	11088	11089	11090

##	5.723070e+03	4.540731e+03	5.915962e+03	5.774625e+03	5.667779e+03
##	11091	11092	11093	11094	11095
##	5.514179e+03	5.873594e+03	4.662927e+03	5.711478e+03	5.803566e+03
##	11096	11097	11098	11099	11100
##	5.424323e+03	4.856619e+03	5.316243e+03	5.288862e+03	5.113144e+03
##	11101	11102	11103	11104	11105
##	4.651581e+03	5.445630e+03	5.894607e+03	4.973747e+03	4.962599e+03
##	11106	11107	11108	11109	11110
##	5.193420e+03	5.419721e+03	5.059115e+03	5.038670e+03	5.047733e+03
##	11111	11112	11113	11114	11115
##	5.024343e+03	6.501223e+03	5.622574e+03	4.364790e+03	5.393655e+03
##	11116	11117	11118	11119	11120
##	5.526603e+03	5.701687e+03	5.592564e+03	6.939144e+03	5.087784e+03
##	11121	11122	11123	11124	11125
##	5.428541e+03	4.467040e+03	5.647660e+03	6.951785e+03	5.684907e+03
##	11126	11127	11128	11129	11130
##	5.586859e+03	5.694447e+03	4.798200e+03	5.069118e+03	5.135152e+03
##	11131	11132	11133	11134	11135
##	4.867507e+03	7.087853e+03	4.991439e+03	5.475938e+03	5.502573e+03
##	11136	11137	11138	11139	11140
##	5.426631e+03	7.051343e+03	5.593722e+03	5.357636e+03	5.490355e+03
##	11141	11142	11143	11144	11145
##	5.317905e+03	5.067408e+03	6.037367e+03	6.252487e+03	4.765366e+03
##	11146	11147	11148	11149	11150
##	4.841045e+03	5.761050e+03	5.867551e+03	5.692657e+03	5.238235e+03
##	11151	11152	11153	11154	11155
##	5.290030e+03	5.023068e+03	4.839345e+03	5.186364e+03	5.292707e+03
##	11156	11157	11158	11159	11160
##	6.695830e+03	3.956399e+03	5.191970e+03	6.663987e+03	5.521506e+03
##	11161	11162	11163	11164	11165
##	5.819338e+03	5.748253e+03	4.760583e+03	5.702570e+03	6.030566e+03
##	11166	11167	11168	11169	11170
##	5.393259e+03	5.865402e+03	5.790033e+03	5.400588e+03	4.860662e+03
##	11171	11172	11173	11174	11175
##	5.605524e+03	5.662636e+03	5.424283e+03	4.370040e+03	4.364511e+03
##	11176	11177	11178	11179	11180
##	5.663666e+03	4.881047e+03	5.535640e+03	5.749734e+03	5.479544e+03
##	11181	11182	11183	11184	11185
##	6.192459e+03	7.487450e+03	1.214269e+04	5.542065e+03	5.542627e+03
##	11186	11187	11188	11189	11190
##	6.235057e+03	4.930669e+03	5.413271e+03	5.907381e+03	5.502111e+03
##	11191	11192	11193	11194	11195
##	5.412005e+03	5.990226e+03	5.369610e+03	5.392245e+03	5.338085e+03
##	11196	11197	11198	11199	11200
##	5.171326e+03	6.041465e+03	5.603632e+03	5.094271e+03	4.467000e+03
##	11201	11202	11203	11204	11205
##	6.360875e+03	5.545486e+03	5.778380e+03	5.969631e+03	6.099635e+03
##	11206	11207	11208	11209	11210
##	5.441149e+03	5.500435e+03	5.497138e+03	5.323332e+03	5.216990e+03
##	11211	11212	11213	11214	11215
##	5.697410e+03	5.592465e+03	5.296637e+03	5.815543e+03	6.132438e+03
##	11216	11217	11218	11219	11220
##	5.541453e+03	5.521861e+03	5.533245e+03	5.459483e+03	5.528071e+03
##	11221	11222	11223	11224	11225

##	5.346723e+03	5.928274e+03	5.178563e+03	5.891998e+03	5.747662e+03
##	11226	11227	11228	11229	11230
##	5.060113e+03	5.245130e+03	5.302259e+03	5.002203e+03	5.060255e+03
##	11231	11232	11233	11234	11235
##	5.519136e+03	4.055913e+03	4.953752e+03	6.096480e+03	5.597041e+03
##	11236	11237	11238	11239	11240
##	6.333131e+03	5.755620e+03	4.848362e+03	4.896472e+03	6.573301e+03
##	11241	11242	11243	11244	11245
##	4.988933e+03	5.951204e+03	5.502359e+03	5.502359e+03	5.795042e+03
##	11246	11247	11248	11249	11250
##	5.909777e+03	5.722024e+03	6.082815e+03	4.855269e+03	5.432481e+03
##	11251	11252	11253	11254	11255
##	5.937533e+03	6.045322e+03	5.737633e+03	5.600881e+03	5.570639e+03
##	11256	11257	11258	11259	11260
##	5.601014e+03	5.438572e+03	5.777962e+03	5.695573e+03	5.621136e+03
##	11261	11262	11263	11264	11265
##	5.773987e+03	5.498326e+03	5.670275e+03	5.893128e+03	5.780560e+03
##	11266	11267	11268	11269	11270
##	6.097847e+03	6.223069e+03	5.083952e+03	5.590579e+03	5.177694e+03
##	11271	11272	11273	11274	11275
##	4.177147e+03	6.113557e+03	5.378816e+03	4.720181e+03	4.857145e+03
##	11276	11277	11278	11279	11280
##	4.797726e+03	5.654137e+03	6.344671e+03	7.182627e+03	6.633899e+03
##	11281	11282	11283	11284	11285
##	6.823592e+03	4.834427e+03	6.594348e+03	5.761846e+03	5.314635e+03
##	11286	11287	11288	11289	11290
##	4.671390e+03	5.383039e+03	6.238763e+03	5.260773e+03	5.745180e+03
##	11291	11292	11293	11294	11295
##	7.178033e+03	4.820133e+03	5.019063e+03	5.253500e+03	5.435312e+03
##	11296	11297	11298	11299	11300
##	6.306628e+03	5.326347e+03	5.271581e+03	6.098153e+03	5.173229e+03
##	11301	11302	11303	11304	11305
##	6.219770e+03	5.118707e+03	5.147781e+03	6.687469e+03	5.402633e+03
##	11306	11307	11308	11309	11310
##	4.405968e+03	5.468855e+03	4.960761e+03	5.374316e+03	5.853149e+03
##	11311	11312	11313	11314	11315
##	4.864531e+03	5.402999e+03	5.778216e+03	5.666244e+03	6.262212e+03
##	11316	11317	11318	11319	11320
##	6.262212e+03	5.271497e+03	5.452005e+03	5.661980e+03	6.058897e+03
##	11321	11322	11323	11324	11325
##	5.958705e+03	6.071817e+03	4.989129e+03	5.223469e+03	6.313980e+03
##	11326	11327	11328	11329	11330
##	5.582943e+03	5.922797e+03	5.478361e+03	5.218986e+03	6.328314e+03
##	11331	11332	11333	11334	11335
##	5.828467e+03	5.603335e+03	5.630682e+03	4.839063e+03	5.389176e+03
##	11336	11337	11338	11339	11340
##	5.368860e+03	5.357586e+03	5.555505e+03	5.457816e+03	5.380347e+03
##	11341	11342	11343	11344	11345
##	5.547933e+03	5.304265e+03	5.315493e+03	5.760206e+03	5.469433e+03
##	11346	11347	11348	11349	11350
##	5.573298e+03	5.486024e+03	5.604098e+03	5.077022e+03	5.334805e+03
##	11351	11352	11353	11354	11355
##	4.774159e+03	5.540574e+03	5.706251e+03	5.712565e+03	6.656314e+03
##	11356	11357	11358	11359	11360

##	4.443538e+03	4.772256e+03	7.093579e+03	5.834624e+03	6.084056e+03
##	11361	11362	11363	11364	11365
##	4.846440e+03	4.821634e+03	5.802873e+03	6.220669e+03	6.240543e+03
##	11366	11367	11368	11369	11370
##	6.057592e+03	5.346668e+03	5.466036e+03	6.040839e+03	5.551305e+03
##	11371	11372	11373	11374	11375
##	-7.594637e+02	2.933532e+02	2.587400e+02	6.477814e+02	2.599836e+02
##	11376	11377	11378	11379	11380
##	2.792596e+02	1.775239e+02	-1.052588e+03	-3.620184e+01	1.144859e+02
##	11381	11382	11383	11384	11385
##	-8.916715e+02	3.829174e+02	5.422888e+02	5.562864e+02	1.808771e+02
##	11386	11387	11388	11389	11390
##	2.889215e+02	5.298123e+02	3.711670e+02	6.647404e+02	4.070346e+02
##	11391	11392	11393	11394	11395
##	2.029664e+02	6.213073e+02	3.085645e+02	5.319969e+02	-1.241999e+02
##	11396	11397	11398	11399	11400
##	5.391050e+02	2.337536e+02	3.041727e+02	3.375902e+02	3.580061e+02
##	11401	11402	11403	11404	11405
##	6.145935e+03	5.179829e+03	5.070601e+03	5.398333e+03	5.695120e+03
##	11406	11407	11408	11409	11410
##	5.737468e+03	3.436520e+03	3.470698e+03	6.342412e+03	5.876990e+03
##	11411	11412	11413	11414	11415
##	5.677144e+03	5.311805e+03	5.491875e+03	5.559142e+03	6.863046e+03
##	11416	11417	11418	11419	11420
##	7.562489e+03	6.194162e+03	6.242816e+03	5.484576e+03	5.671282e+03
##	11421	11422	11423	11424	11425
##	5.464498e+03	5.075115e+03	4.894984e+03	5.390366e+03	5.768790e+03
##	11426	11427	11428	11429	11430
##	5.761152e+03	5.556120e+03	5.559872e+03	5.662878e+03	5.780926e+03
##	11431	11432	11433	11434	11435
##	6.198090e+03	6.099453e+03	6.367064e+03	5.723742e+03	6.239731e+03
##	11436	11437	11438	11439	11440
##	5.749658e+03	5.655850e+03	5.518785e+03	5.203285e+03	6.003972e+03
##	11441	11442	11443	11444	11445
##	5.976446e+03	6.731306e+03	4.515961e+03	5.659769e+03	5.475364e+03
##	11446	11447	11448	11449	11450
##	5.342838e+03	5.414961e+03	4.891189e+03	5.356196e+03	5.036942e+03
##	11451	11452	11453	11454	11455
##	4.999395e+03	5.366324e+03	5.500996e+03	5.383852e+03	4.870913e+03
##	11456	11457	11458	11459	11460
##	6.891235e+03	5.590943e+03	6.104230e+03	5.807084e+03	7.408982e+03
##	11461	11462	11463	11464	11465
##	5.239547e+03	5.846489e+03	5.761033e+03	5.567078e+03	5.593978e+03
##	11466	11467	11468	11469	11470
##	5.418982e+03	5.538984e+03	5.508181e+03	6.763875e+03	5.984555e+03
##	11471	11472	11473	11474	11475
##	5.109812e+03	5.290152e+03	4.946124e+03	4.968707e+03	4.976408e+03
##	11476	11477	11478	11479	11480
##	5.592347e+03	6.211897e+03	5.725741e+03	5.957293e+03	4.959544e+03
##	11481	11482	11483	11484	11485
##	5.074749e+03	5.324121e+03	6.397840e+03	6.424653e+03	5.661954e+03
##	11486	11487	11488	11489	11490
##	5.701642e+03	6.106214e+03	5.521474e+03	5.622533e+03	6.398835e+03
##	11491	11492	11493	11494	11495

##	6.640215e+03	6.710700e+03	5.628046e+03	5.351949e+03	6.223826e+03
##	11496	11497	11498	11499	11500
##	5.142962e+03	5.052737e+03	5.474171e+03	5.484698e+03	5.679669e+03
##	11501	11502	11503	11504	11505
##	5.780800e+03	4.431173e+03	4.425549e+03	4.425123e+03	4.919027e+03
##	11506	11507	11508	11509	11510
##	5.406306e+03	4.733366e+03	4.524002e+03	4.994434e+03	5.485952e+03
##	11511	11512	11513	11514	11515
##	5.192188e+03	5.210619e+03	5.268040e+03	5.064487e+03	8.228727e+03
##	11516	11517	11518	11519	11520
##	6.223069e+03	5.429065e+03	5.206127e+03	5.874696e+03	5.610020e+03
##	11521	11522	11523	11524	11525
##	6.759901e+03	5.600913e+03	4.864387e+03	6.210477e+03	4.865685e+03
##	11526	11527	11528	11529	11530
##	6.043248e+03	4.832693e+03	5.300415e+03	7.050024e+03	5.483024e+03
##	11531	11532	11533	11534	11535
##	4.973064e+03	5.336933e+03	5.194101e+03	6.552663e+03	4.992150e+03
##	11536	11537	11538	11539	11540
##	5.506338e+03	5.515598e+03	5.604529e+03	5.684077e+03	5.714476e+03
##	11541	11542	11543	11544	11545
##	8.445760e+03	6.575398e+03	6.504744e+03	5.819388e+03	5.438048e+03
##	11546	11547	11548	11549	11550
##	5.741243e+03	4.988081e+03	5.565811e+03	6.275910e+03	5.459802e+03
##	11551	11552	11553	11554	11555
##	5.549347e+03	6.150700e+03	7.218850e+03	5.323243e+03	5.756186e+03
##	11556	11557	11558	11559	11560
##	4.932192e+03	5.162659e+03	5.177163e+03	6.134534e+03	5.363032e+03
##	11561	11562	11563	11564	11565
##	3.432588e+03	5.455231e+03	4.862963e+03	5.423342e+03	5.599228e+03
##	11566	11567	11568	11569	11570
##	5.579084e+03	6.278619e+03	4.829970e+03	5.670154e+03	6.455646e+03
##	11571	11572	11573	11574	11575
##	5.331202e+03	5.558855e+03	5.793593e+03	6.387077e+03	5.627822e+03
##	11576	11577	11578	11579	11580
##	5.483376e+03	4.768833e+03	7.271250e+03	5.567281e+03	4.868318e+03
##	11581	11582	11583	11584	11585
##	6.048808e+03	5.589992e+03	6.324171e+03	4.546467e+03	5.730374e+03
##	11586	11587	11588	11589	11590
##	6.127966e+03	5.642288e+03	4.642324e+03	5.325843e+03	6.586969e+03
##	11591	11592	11593	11594	11595
##	6.177877e+03	5.876745e+03	5.865354e+03	5.533899e+03	5.627194e+03
##	11596	11597	11598	11599	11600
##	5.417581e+03	5.851032e+03	6.256145e+03	4.849742e+03	5.579190e+03
##	11601	11602	11603	11604	11605
##	5.514389e+03	6.018950e+03	5.661853e+03	5.553443e+03	1.017434e+04
##	11606	11607	11608	11609	11610
##	5.377303e+03	6.526926e+03	5.770659e+03	6.230512e+03	5.225572e+03
##	11611	11612	11613	11614	11615
##	5.211389e+03	4.973580e+03	5.097860e+03	6.056469e+03	5.373912e+03
##	11616	11617	11618	11619	11620
##	4.676016e+03	6.090401e+03	5.247207e+03	5.433020e+03	5.504361e+03
##	11621	11622	11623	11624	11625
##	5.152647e+03	5.474123e+03	5.246306e+03	5.410613e+03	5.388933e+03
##	11626	11627	11628	11629	11630

##	5.964278e+03	5.916748e+03	6.796912e+03	5.992853e+03	5.618708e+03
##	11631	11632	11633	11634	11635
##	6.028384e+03	5.584734e+03	5.536787e+03	5.401494e+03	9.256493e+03
##	11636	11637	11638	11639	11640
##	5.207465e+03	4.245462e+03	5.142845e+03	5.283794e+03	5.488399e+03
##	11641	11642	11643	11644	11645
##	4.495604e+03	5.706054e+03	5.766027e+03	4.204273e+03	5.749937e+03
##	11646	11647	11648	11649	11650
##	6.725606e+03	5.845929e+03	5.696769e+03	5.638669e+03	5.634394e+03
##	11651	11652	11653	11654	11655
##	5.850823e+03	5.896231e+03	5.860737e+03	5.650381e+03	5.833280e+03
##	11656	11657	11658	11659	11660
##	5.251365e+03	5.594729e+03	5.424125e+03	5.433539e+03	8.051734e+03
##	11661	11662	11663	11664	11665
##	4.983278e+03	5.342796e+03	5.014187e+03	5.351270e+03	6.826432e+03
##	11666	11667	11668	11669	11670
##	6.387027e+03	5.116240e+03	6.172566e+03	5.657861e+03	4.912102e+03
##	11671	11672	11673	11674	11675
##	5.661851e+03	5.665449e+03	5.232349e+03	5.315566e+03	5.522930e+03
##	11676	11677	11678	11679	11680
##	5.542502e+03	5.658796e+03	6.277694e+03	6.986288e+03	5.522277e+03
##	11681	11682	11683	11684	11685
##	5.402947e+03	6.353760e+03	5.662014e+03	4.960797e+03	5.028207e+03
##	11686	11687	11688	11689	11690
##	6.853031e+03	5.928700e+03	5.108527e+03	6.510199e+03	4.949515e+03
##	11691	11692	11693	11694	11695
##	5.545924e+03	7.588868e+03	4.785662e+03	5.012935e+03	5.026500e+03
##	11696	11697	11698	11699	11700
##	4.621993e+03	6.414530e+03	5.095483e+03	5.404783e+03	6.666394e+03
##	11701	11702	11703	11704	11705
##	1.583743e+02	4.698091e+02	4.301233e+02	2.568999e+02	6.404735e+02
##	11706	11707	11708	11709	11710
##	2.318439e+02	5.409844e+02	5.949293e+02	5.278181e+02	4.792563e+02
##	11711	11712	11713	11714	11715
##	-1.074619e+03	-1.083488e+03	3.151319e+02	5.912727e+02	6.252676e+02
##	11716	11717	11718	11719	11720
##	4.733979e+02	5.884019e+02	-8.445336e+02	1.468197e+02	3.213447e+02
##	11721	11722	11723	11724	11725
##	5.796273e+02	2.933079e+02	3.310915e+02	6.228700e+02	1.210278e+02
##	11726	11727	11728	11729	11730
##	2.771193e+02	5.912273e+02	5.977494e+02	6.008784e+02	3.199360e+02
##	11731	11732	11733	11734	11735
##	6.012628e+03	5.842059e+03	5.770407e+03	5.399423e+03	5.614107e+03
##	11736	11737	11738	11739	11740
##	5.361051e+03	6.138341e+03	5.732071e+03	6.000146e+03	5.389785e+03
##	11741	11742	11743	11744	11745
##	5.237578e+03	5.737900e+03	5.496077e+03	5.973178e+03	4.606206e+03
##	11746	11747	11748	11749	11750
##	6.243030e+03	5.333601e+03	5.080044e+03	5.617357e+03	5.347734e+03
##	11751	11752	11753	11754	11755
##	5.578679e+03	5.524013e+03	5.929334e+03	5.533206e+03	5.563046e+03
##	11756	11757	11758	11759	11760
##	5.608084e+03	5.648243e+03	4.859825e+03	5.152740e+03	5.738128e+03
##	11761	11762	11763	11764	11765

##	5.833293e+03	5.198629e+03	5.427467e+03	5.383517e+03	5.013435e+03
##	11766	11767	11768	11769	11770
##	5.675241e+03	6.140386e+03	5.494886e+03	5.529259e+03	5.610445e+03
##	11771	11772	11773	11774	11775
##	5.393584e+03	5.249891e+03	5.768221e+03	5.690719e+03	5.842757e+03
##	11776	11777	11778	11779	11780
##	5.599547e+03	5.769520e+03	5.263320e+03	6.826133e+03	4.602031e+03
##	11781	11782	11783	11784	11785
##	4.979718e+03	5.679584e+03	5.482352e+03	4.751811e+03	6.767224e+03
##	11786	11787	11788	11789	11790
##	5.077838e+03	4.505168e+03	5.657883e+03	5.766984e+03	5.717518e+03
##	11791	11792	11793	11794	11795
##	5.778791e+03	5.702675e+03	5.522411e+03	6.380918e+03	6.311764e+03
##	11796	11797	11798	11799	11800
##	6.210551e+03	5.809917e+03	6.194959e+03	5.320957e+03	5.994832e+03
##	11801	11802	11803	11804	11805
##	5.996806e+03	5.684254e+03	5.384607e+03	5.725848e+03	5.503909e+03
##	11806	11807	11808	11809	11810
##	6.124005e+03	4.858578e+03	5.118757e+03	5.536307e+03	5.373733e+03
##	11811	11812	11813	11814	11815
##	6.248524e+03	5.404496e+03	5.860088e+03	5.951734e+03	5.893176e+03
##	11816	11817	11818	11819	11820
##	6.451582e+03	5.980628e+03	5.226939e+03	5.589865e+03	6.222459e+03
##	11821	11822	11823	11824	11825
##	6.153447e+03	5.057406e+03	5.713550e+03	6.367680e+03	5.414456e+03
##	11826	11827	11828	11829	11830
##	6.103126e+03	6.401597e+03	4.955499e+03	5.827965e+03	5.729010e+03
##	11831	11832	11833	11834	11835
##	5.605814e+03	4.614069e+03	6.661231e+03	5.335459e+03	5.911368e+03
##	11836	11837	11838	11839	11840
##	5.897857e+03	5.564242e+03	5.368018e+03	6.155593e+03	6.734461e+03
##	11841	11842	11843	11844	11845
##	5.980388e+03	5.180913e+03	5.555178e+03	5.319345e+03	5.972186e+03
##	11846	11847	11848	11849	11850
##	5.360608e+03	5.815560e+03	5.776037e+03	5.654497e+03	6.521903e+03
##	11851	11852	11853	11854	11855
##	5.698698e+03	5.533079e+03	5.282712e+03	5.911903e+03	5.832838e+03
##	11856	11857	11858	11859	11860
##	5.955557e+03	7.220879e+03	5.477912e+03	6.367270e+03	5.411088e+03
##	11861	11862	11863	11864	11865
##	5.567464e+03	5.229080e+03	5.053321e+03	6.307847e+03	6.656906e+03
##	11866	11867	11868	11869	11870
##	5.646354e+03	5.634141e+03	5.863524e+03	5.873117e+03	5.491436e+03
##	11871	11872	11873	11874	11875
##	6.377482e+03	6.080504e+03	6.255634e+03	7.381374e+03	6.973511e+03
##	11876	11877	11878	11879	11880
##	6.210143e+03	5.414726e+03	5.495183e+03	5.783658e+03	5.337840e+03
##	11881	11882	11883	11884	11885
##	5.608929e+03	6.379921e+03	5.443984e+03	5.374199e+03	4.533805e+03
##	11886	11887	11888	11889	11890
##	5.860433e+03	5.605517e+03	5.151473e+03	5.316935e+03	5.812897e+03
##	11891	11892	11893	11894	11895
##	5.839227e+03	6.602001e+03	4.848676e+03	6.176555e+03	6.181762e+03
##	11896	11897	11898	11899	11900

##	5.593089e+03	5.590112e+03	5.981727e+03	5.546953e+03	5.992355e+03
##	11901	11902	11903	11904	11905
##	5.901228e+03	5.489887e+03	6.274227e+03	5.895021e+03	5.432184e+03
##	11906	11907	11908	11909	11910
##	5.884151e+03	4.637611e+03	5.554780e+03	5.892028e+03	4.816127e+03
##	11911	11912	11913	11914	11915
##	5.270142e+03	4.792934e+03	4.944354e+03	5.419088e+03	5.418881e+03
##	11916	11917	11918	11919	11920
##	5.418632e+03	5.478096e+03	6.416907e+03	5.022155e+03	5.127203e+03
##	11921	11922	11923	11924	11925
##	6.455599e+03	5.764674e+03	5.769398e+03	5.776065e+03	5.750929e+03
##	11926	11927	11928	11929	11930
##	5.564345e+03	5.087038e+03	5.684156e+03	5.019256e+03	4.813388e+03
##	11931	11932	11933	11934	11935
##	4.903886e+03	6.342825e+03	5.316202e+03	5.558513e+03	5.538369e+03
##	11936	11937	11938	11939	11940
##	5.391125e+03	6.237261e+03	5.347451e+03	5.023410e+03	5.609079e+03
##	11941	11942	11943	11944	11945
##	4.962350e+03	6.016073e+03	4.698245e+03	5.488900e+03	5.430232e+03
##	11946	11947	11948	11949	11950
##	5.476607e+03	6.003432e+03	5.464278e+03	5.739517e+03	5.569412e+03
##	11951	11952	11953	11954	11955
##	5.765736e+03	6.077482e+03	5.851034e+03	5.245800e+03	5.065960e+03
##	11956	11957	11958	11959	11960
##	5.880358e+03	6.773003e+03	5.329469e+03	5.906447e+03	6.230434e+03
##	11961	11962	11963	11964	11965
##	5.768169e+03	5.492035e+03	5.392372e+03	1.201314e+04	6.184444e+03
##	11966	11967	11968	11969	11970
##	5.361771e+03	5.489292e+03	6.749807e+03	5.210040e+03	5.633786e+03
##	11971	11972	11973	11974	11975
##	5.727152e+03	5.787644e+03	5.820248e+03	5.195857e+03	4.362275e+03
##	11976	11977	11978	11979	11980
##	6.049686e+03	5.130307e+03	5.310497e+03	4.614944e+03	5.193666e+03
##	11981	11982	11983	11984	11985
##	5.520024e+03	6.050863e+03	6.080253e+03	6.048666e+03	5.313804e+03
##	11986	11987	11988	11989	11990
##	5.410878e+03	5.545671e+03	5.652367e+03	5.401916e+03	5.032482e+03
##	11991	11992	11993	11994	11995
##	5.397338e+03	5.997696e+03	6.218564e+03	6.647177e+03	5.926771e+03
##	11996	11997	11998	11999	12000
##	5.656157e+03	5.788719e+03	5.276215e+03	5.619845e+03	5.577597e+03
##	12001	12002	12003	12004	12005
##	5.603858e+03	5.814207e+03	5.947403e+03	6.008502e+03	5.814934e+03
##	12006	12007	12008	12009	12010
##	5.134926e+03	5.721319e+03	5.349466e+03	6.452629e+03	6.508224e+03
##	12011	12012	12013	12014	12015
##	5.600202e+03	5.690399e+03	5.538814e+03	5.712056e+03	5.631200e+03
##	12016	12017	12018	12019	12020
##	5.109686e+03	5.769111e+03	5.481430e+03	5.487040e+03	5.779904e+03
##	12021	12022	12023	12024	12025
##	5.465024e+03	5.933172e+03	5.781466e+03	6.312987e+03	5.491741e+03
##	12026	12027	12028	12029	12030
##	5.468073e+03	5.213576e+03	5.978885e+03	6.062902e+03	4.616952e+03
##	12031	12032	12033	12034	12035

##	6.016136e+02	-9.231753e+02	6.176560e+02	4.779482e+02	5.656298e+02
##	12036	12037	12038	12039	12040
##	4.381664e+02	5.585294e+02	-6.489335e+02	1.204858e+02	5.321101e+02
##	12041	12042	12043	12044	12045
##	1.652324e+02	-8.702582e+02	-8.077640e+02	6.184819e+02	-9.011151e+02
##	12046	12047	12048	12049	12050
##	3.055106e+02	-1.762036e+01	1.528818e+02	6.413501e+02	-5.120570e+02
##	12051	12052	12053	12054	12055
##	2.978319e+00	4.286538e+02	2.812383e+02	5.114719e+02	5.857768e+02
##	12056	12057	12058	12059	12060
##	1.645983e+02	8.973264e+02	8.808297e+02	8.936037e+02	8.209696e+02
##	12061	12062	12063	12064	12065
##	4.599135e+03	4.803519e+03	4.776862e+03	5.560838e+03	5.206323e+03
##	12066	12067	12068	12069	12070
##	5.150475e+03	5.391584e+03	7.131897e+03	6.183750e+03	5.671848e+03
##	12071	12072	12073	12074	12075
##	4.423983e+03	6.677573e+03	5.421725e+03	5.841917e+03	8.309575e+03
##	12076	12077	12078	12079	12080
##	5.027700e+03	5.786359e+03	4.685981e+03	4.888443e+03	4.157104e+03
##	12081	12082	12083	12084	12085
##	5.526840e+03	5.980787e+03	6.028622e+03	5.196233e+03	5.294055e+03
##	12086	12087	12088	12089	12090
##	5.122033e+03	5.966560e+03	5.294066e+03	6.351893e+03	6.766220e+03
##	12091	12092	12093	12094	12095
##	5.810268e+03	6.175988e+03	5.186564e+03	5.129169e+03	5.789819e+03
##	12096	12097	12098	12099	12100
##	5.632234e+03	5.453458e+03	5.592894e+03	5.949252e+03	5.970270e+03
##	12101	12102	12103	12104	12105
##	5.252948e+03	5.435099e+03	6.224771e+03	5.374253e+03	6.726195e+03
##	12106	12107	12108	12109	12110
##	5.530691e+03	5.649266e+03	5.341499e+03	5.470112e+03	5.532036e+03
##	12111	12112	12113	12114	12115
##	5.531397e+03	4.923032e+03	5.513452e+03	5.717543e+03	5.655968e+03
##	12116	12117	12118	12119	12120
##	5.885646e+03	5.533689e+03	5.601994e+03	5.177032e+03	5.756219e+03
##	12121	12122	12123	12124	12125
##	5.582140e+03	7.548031e+03	5.633546e+03	6.242171e+03	6.285285e+03
##	12126	12127	12128	12129	12130
##	5.479128e+03	7.195746e+03	5.654388e+03	6.323260e+03	6.577879e+03
##	12131	12132	12133	12134	12135
##	5.217593e+03	5.994316e+03	5.502670e+03	5.564901e+03	5.908977e+03
##	12136	12137	12138	12139	12140
##	4.905468e+03	5.782788e+03	6.276394e+03	6.650140e+03	5.435678e+03
##	12141	12142	12143	12144	12145
##	5.567281e+03	6.273375e+03	5.653382e+03	5.643401e+03	6.322610e+03
##	12146	12147	12148	12149	12150
##	4.842218e+03	5.342690e+03	6.062071e+03	6.386527e+03	7.952222e+03
##	12151	12152	12153	12154	12155
##	5.513727e+03	5.644705e+03	5.487942e+03	5.611004e+03	6.596114e+03
##	12156	12157	12158	12159	12160
##	5.504100e+03	7.467942e+03	4.847004e+03	6.190665e+03	5.628260e+03
##	12161	12162	12163	12164	12165
##	6.564803e+03	5.087180e+03	4.935313e+03	4.993871e+03	6.741514e+03
##	12166	12167	12168	12169	12170

##	5.190221e+03	5.677916e+03	5.694933e+03	6.205198e+03	6.296232e+03
##	12171	12172	12173	12174	12175
##	6.187798e+03	6.119323e+03	6.099179e+03	5.521867e+03	5.599149e+03
##	12176	12177	12178	12179	12180
##	5.876962e+03	5.721321e+03	6.202690e+03	5.774734e+03	5.553340e+03
##	12181	12182	12183	12184	12185
##	5.832738e+03	6.926611e+03	5.744566e+03	5.301920e+03	6.322517e+03
##	12186	12187	12188	12189	12190
##	5.384138e+03	5.002498e+03	5.407820e+03	6.184841e+03	5.610715e+03
##	12191	12192	12193	12194	12195
##	5.178073e+03	6.210274e+03	5.441205e+03	4.977419e+03	6.209443e+03
##	12196	12197	12198	12199	12200
##	5.858987e+03	6.371061e+03	5.437520e+03	5.731823e+03	6.175074e+03
##	12201	12202	12203	12204	12205
##	5.976927e+03	6.018806e+03	5.453351e+03	6.745160e+03	5.308257e+03
##	12206	12207	12208	12209	12210
##	5.810235e+03	5.795245e+03	5.902050e+03	5.499818e+03	5.763050e+03
##	12211	12212	12213	12214	12215
##	5.889050e+03	5.826202e+03	5.988963e+03	5.962008e+03	5.446779e+03
##	12216	12217	12218	12219	12220
##	5.905097e+03	5.717148e+03	6.160175e+03	5.498314e+03	5.567831e+03
##	12221	12222	12223	12224	12225
##	5.597301e+03	5.642175e+03	5.634537e+03	5.589739e+03	5.581319e+03
##	12226	12227	12228	12229	12230
##	5.685922e+03	5.517687e+03	5.482085e+03	5.524225e+03	5.529182e+03
##	12231	12232	12233	12234	12235
##	5.772626e+03	4.705988e+03	5.990649e+03	5.256572e+03	4.965770e+03
##	12236	12237	12238	12239	12240
##	5.886891e+03	5.884008e+03	5.816463e+03	5.713362e+03	5.355942e+03
##	12241	12242	12243	12244	12245
##	5.430209e+03	5.025300e+03	5.475857e+03	5.973697e+03	5.618162e+03
##	12246	12247	12248	12249	12250
##	5.606183e+03	9.988709e+03	4.927338e+03	5.398427e+03	5.868606e+03
##	12251	12252	12253	12254	12255
##	5.488357e+03	5.408205e+03	5.384190e+03	5.983735e+03	4.916687e+03
##	12256	12257	12258	12259	12260
##	5.993247e+03	5.773500e+03	5.645376e+03	5.011374e+03	5.738128e+03
##	12261	12262	12263	12264	12265
##	6.015864e+03	6.494256e+03	5.147551e+03	5.757797e+03	5.438508e+03
##	12266	12267	12268	12269	12270
##	8.273255e+03	8.273255e+03	5.317755e+03	6.497735e+03	5.230391e+03
##	12271	12272	12273	12274	12275
##	6.479798e+03	6.113771e+03	5.893277e+03	5.813531e+03	5.918167e+03
##	12276	12277	12278	12279	12280
##	6.279482e+03	5.639987e+03	6.162981e+03	6.101770e+03	6.088662e+03
##	12281	12282	12283	12284	12285
##	4.874293e+03	5.373122e+03	6.876062e+03	5.813242e+03	5.590463e+03
##	12286	12287	12288	12289	12290
##	5.596276e+03	4.800394e+03	6.152127e+03	5.597368e+03	5.567973e+03
##	12291	12292	12293	12294	12295
##	5.615302e+03	6.224474e+03	5.841449e+03	5.841449e+03	5.241690e+03
##	12296	12297	12298	12299	12300
##	7.000341e+03	5.708874e+03	6.386371e+03	6.308158e+03	5.637022e+03
##	12301	12302	12303	12304	12305

##	5.633299e+03	5.471996e+03	5.682117e+03	5.734138e+03	5.659320e+03
##	12306	12307	12308	12309	12310
##	5.677790e+03	5.725171e+03	5.850643e+03	6.468700e+03	5.582439e+03
##	12311	12312	12313	12314	12315
##	5.987217e+03	5.707612e+03	5.679496e+03	5.427063e+03	5.523946e+03
##	12316	12317	12318	12319	12320
##	6.291492e+03	5.753730e+03	4.951551e+03	7.188130e+03	5.314020e+03
##	12321	12322	12323	12324	12325
##	5.610362e+03	6.807909e+03	5.677116e+03	5.623485e+03	5.707739e+03
##	12326	12327	12328	12329	12330
##	5.892577e+03	5.772822e+03	6.186217e+03	6.384640e+03	5.751543e+03
##	12331	12332	12333	12334	12335
##	6.124003e+03	5.369160e+03	5.570594e+03	5.435893e+03	5.660042e+03
##	12336	12337	12338	12339	12340
##	5.389375e+03	6.287713e+03	6.338605e+03	5.454143e+03	5.516560e+03
##	12341	12342	12343	12344	12345
##	5.582771e+03	5.020220e+03	5.594595e+03	6.157166e+03	5.423430e+03
##	12346	12347	12348	12349	12350
##	5.582284e+03	5.916318e+03	4.826075e+03	5.293677e+03	6.752646e+03
##	12351	12352	12353	12354	12355
##	5.666939e+03	5.669146e+03	5.728496e+03	5.308775e+03	6.005097e+03
##	12356	12357	12358	12359	12360
##	5.927463e+03	5.386665e+03	5.584551e+03	5.444559e+03	5.382636e+03
##	12361	12362	12363	12364	12365
##	9.033677e+02	9.197819e+02	8.575770e+02	1.126525e+03	1.102707e+03
##	12366	12367	12368	12369	12370
##	9.330792e+02	8.533987e+02	9.420630e+02	9.896521e+02	9.941634e+02
##	12371	12372	12373	12374	12375
##	1.079972e+03	-2.926182e+02	-3.549084e+02	-3.549138e+02	-3.173166e+02
##	12376	12377	12378	12379	12380
##	4.176654e+02	8.371487e+02	1.161326e+03	-1.792941e+03	-8.103882e+02
##	12381	12382	12383	12384	12385
##	8.859858e+02	3.812983e+02	3.672554e+02	3.979083e+02	-8.743896e+02
##	12386	12387	12388	12389	12390
##	5.160962e+02	4.763954e+02	3.321211e+02	7.272949e+02	6.951074e+02
##	12391	12392	12393	12394	12395
##	5.862661e+03	5.368372e+03	5.592459e+03	5.988633e+03	5.469015e+03
##	12396	12397	12398	12399	12400
##	5.806531e+03	6.396251e+03	5.930154e+03	6.493068e+03	6.392259e+03
##	12401	12402	12403	12404	12405
##	5.919740e+03	5.903620e+03	5.445302e+03	5.603846e+03	5.858740e+03
##	12406	12407	12408	12409	12410
##	5.978921e+03	5.971922e+03	5.998913e+03	5.119825e+03	5.808089e+03
##	12411	12412	12413	12414	12415
##	5.828365e+03	5.885387e+03	5.921270e+03	5.934523e+03	6.272392e+03
##	12416	12417	12418	12419	12420
##	5.999970e+03	6.188483e+03	5.425882e+03	6.338867e+03	5.519670e+03
##	12421	12422	12423	12424	12425
##	5.764770e+03	5.650558e+03	5.674552e+03	5.693981e+03	5.358375e+03
##	12426	12427	12428	12429	12430
##	5.555178e+03	5.706090e+03	5.743984e+03	5.615442e+03	5.684122e+03
##	12431	12432	12433	12434	12435
##	5.938681e+03	5.635402e+03	5.869737e+03	5.626559e+03	5.191554e+03
##	12436	12437	12438	12439	12440

##	5.953405e+03	5.433500e+03	5.551721e+03	4.860366e+03	7.694517e+03
##	12441	12442	12443	12444	12445
##	5.946708e+03	5.674686e+03	5.781054e+03	5.566763e+03	6.182792e+03
##	12446	12447	12448	12449	12450
##	6.020178e+03	7.733473e+03	5.924007e+03	5.579500e+03	6.649205e+03
##	12451	12452	12453	12454	12455
##	5.849656e+03	6.302121e+03	7.483186e+03	4.909865e+03	6.338938e+03
##	12456	12457	12458	12459	12460
##	4.723888e+03	5.706207e+03	6.212461e+03	5.678116e+03	6.037425e+03
##	12461	12462	12463	12464	12465
##	5.587457e+03	5.628158e+03	5.814676e+03	5.617100e+03	5.938170e+03
##	12466	12467	12468	12469	12470
##	6.115597e+03	6.344484e+03	6.139014e+03	6.172995e+03	6.210901e+03
##	12471	12472	12473	12474	12475
##	6.066557e+03	6.571228e+03	6.118302e+03	5.053620e+03	5.111249e+03
##	12476	12477	12478	12479	12480
##	5.561303e+03	6.830142e+03	4.901120e+03	5.828474e+03	5.822357e+03
##	12481	12482	12483	12484	12485
##	4.926087e+03	6.191994e+03	5.950251e+03	5.486125e+03	6.046034e+03
##	12486	12487	12488	12489	12490
##	5.240973e+03	6.158947e+03	5.437851e+03	5.438250e+03	5.467554e+03
##	12491	12492	12493	12494	12495
##	4.836194e+03	6.188227e+03	5.663302e+03	6.203448e+03	6.134559e+03
##	12496	12497	12498	12499	12500
##	5.702368e+03	5.466036e+03	5.984953e+03	6.137242e+03	5.116697e+03
##	12501	12502	12503	12504	12505
##	5.005786e+03	5.133808e+03	5.591519e+03	5.759283e+03	5.837649e+03
##	12506	12507	12508	12509	12510
##	5.659257e+03	5.633034e+03	5.805850e+03	5.774198e+03	6.755158e+03
##	12511	12512	12513	12514	12515
##	5.001343e+03	5.534516e+03	5.468026e+03	5.474540e+03	5.511678e+03
##	12516	12517	12518	12519	12520
##	5.490682e+03	5.447815e+03	5.598373e+03	5.449145e+03	6.444355e+03
##	12521	12522	12523	12524	12525
##	5.418955e+03	5.738443e+03	5.768995e+03	5.811152e+03	5.654767e+03
##	12526	12527	12528	12529	12530
##	6.058247e+03	6.278249e+03	6.292724e+03	6.292075e+03	5.168437e+03
##	12531	12532	12533	12534	12535
##	5.342324e+03	5.659221e+03	5.895427e+03	5.921048e+03	6.023694e+03
##	12536	12537	12538	12539	12540
##	6.196516e+03	5.734498e+03	5.644772e+03	6.499136e+03	6.342984e+03
##	12541	12542	12543	12544	12545
##	6.626177e+03	7.230939e+03	6.565578e+03	5.446903e+03	5.570289e+03
##	12546	12547	12548	12549	12550
##	5.428735e+03	6.171261e+03	5.792910e+03	5.650610e+03	5.974886e+03
##	12551	12552	12553	12554	12555
##	5.727704e+03	6.499683e+03	5.329672e+03	5.542283e+03	5.730927e+03
##	12556	12557	12558	12559	12560
##	6.112838e+03	6.208951e+03	6.112995e+03	5.781933e+03	5.251804e+03
##	12561	12562	12563	12564	12565
##	6.131551e+03	6.019984e+03	8.816519e+03	5.917169e+03	5.472914e+03
##	12566	12567	12568	12569	12570
##	5.820051e+03	5.723840e+03	5.639299e+03	6.193925e+03	5.690785e+03
##	12571	12572	12573	12574	12575

##	5.876755e+03	5.692349e+03	5.520979e+03	5.898586e+03	6.040461e+03
##	12576	12577	12578	12579	12580
##	6.475710e+03	5.666201e+03	5.691024e+03	5.688527e+03	5.704287e+03
##	12581	12582	12583	12584	12585
##	6.172139e+03	5.301431e+03	4.204050e+03	5.579523e+03	6.278720e+03
##	12586	12587	12588	12589	12590
##	7.182659e+03	7.014855e+03	5.869881e+03	5.879869e+03	5.525260e+03
##	12591	12592	12593	12594	12595
##	5.829091e+03	5.201001e+03	6.682403e+03	5.713479e+03	6.233970e+03
##	12596	12597	12598	12599	12600
##	4.810184e+03	5.460706e+03	6.378967e+03	6.366974e+03	5.680880e+03
##	12601	12602	12603	12604	12605
##	4.814143e+03	4.837401e+03	4.767930e+03	7.506815e+03	6.070087e+03
##	12606	12607	12608	12609	12610
##	5.561365e+03	5.995100e+03	6.707043e+03	6.453050e+03	6.509022e+03
##	12611	12612	12613	12614	12615
##	5.806417e+03	5.878822e+03	5.563603e+03	6.465182e+03	5.952797e+03
##	12616	12617	12618	12619	12620
##	5.922956e+03	5.871220e+03	6.223353e+03	4.979293e+03	5.578185e+03
##	12621	12622	12623	12624	12625
##	5.240747e+03	5.273539e+03	5.585881e+03	5.198215e+03	4.651982e+03
##	12626	12627	12628	12629	12630
##	5.794553e+03	5.724838e+03	6.656394e+03	5.503867e+03	5.581102e+03
##	12631	12632	12633	12634	12635
##	5.479532e+03	5.437242e+03	5.556586e+03	5.493292e+03	5.549024e+03
##	12636	12637	12638	12639	12640
##	5.441370e+03	5.527116e+03	5.635029e+03	5.832471e+03	6.676350e+03
##	12641	12642	12643	12644	12645
##	5.385806e+03	5.603268e+03	5.765872e+03	6.010682e+03	5.765872e+03
##	12646	12647	12648	12649	12650
##	5.093312e+03	6.409229e+03	5.796106e+03	6.278214e+03	6.302323e+03
##	12651	12652	12653	12654	12655
##	6.433054e+03	6.127752e+03	5.769772e+03	5.382874e+03	5.651857e+03
##	12656	12657	12658	12659	12660
##	5.440181e+03	6.320390e+03	5.816184e+03	5.739632e+03	5.501817e+03
##	12661	12662	12663	12664	12665
##	5.729833e+03	5.953307e+03	5.661701e+03	5.962711e+03	5.954792e+03
##	12666	12667	12668	12669	12670
##	5.357286e+03	5.583111e+03	6.463720e+03	5.445935e+03	5.981634e+03
##	12671	12672	12673	12674	12675
##	5.243888e+03	6.428905e+03	5.871525e+03	5.252970e+03	6.083110e+03
##	12676	12677	12678	12679	12680
##	5.891176e+03	7.640498e+03	5.687421e+03	5.561699e+03	5.312207e+03
##	12681	12682	12683	12684	12685
##	5.462253e+03	6.489691e+03	7.225700e+03	6.329383e+03	5.404001e+03
##	12686	12687	12688	12689	12690
##	6.021982e+03	9.630279e+03	5.726459e+03	5.063967e+03	5.590922e+03
##	12691	12692	12693	12694	12695
##	7.797225e+02	8.228223e+02	1.522076e+02	-9.060323e+02	-8.723047e+02
##	12696	12697	12698	12699	12700
##	-3.550556e+02	2.281187e+02	-1.807275e+02	-1.052498e+03	9.916470e+02
##	12701	12702	12703	12704	12705
##	6.821283e+02	9.286463e+02	9.051745e+02	1.092411e+03	1.106459e+03
##	12706	12707	12708	12709	12710

##	9.518775e+02	9.168872e+02	1.039022e+03	9.613872e+02	9.923770e+02
##	12711	12712	12713	12714	12715
##	1.222070e+03	1.253313e+03	1.078763e+03	1.020215e+03	1.025384e+03
##	12716	12717	12718	12719	12720
##	9.820767e+02	-3.795580e+02	7.743041e+02	7.374891e+02	1.288153e+03
##	12721	12722	12723	12724	12725
##	7.020938e+03	5.824048e+03	5.584766e+03	5.602193e+03	5.218961e+03
##	12726	12727	12728	12729	12730
##	5.294153e+03	5.677829e+03	5.517080e+03	6.439202e+03	6.079818e+03
##	12731	12732	12733	12734	12735
##	5.328295e+03	6.045679e+03	5.598014e+03	6.277825e+03	5.675901e+03
##	12736	12737	12738	12739	12740
##	5.754075e+03	5.886332e+03	5.911168e+03	6.395954e+03	6.473526e+03
##	12741	12742	12743	12744	12745
##	5.799750e+03	5.568586e+03	5.740906e+03	6.623033e+03	5.981705e+03
##	12746	12747	12748	12749	12750
##	7.295883e+03	7.279274e+03	5.283484e+03	7.000933e+03	5.758668e+03
##	12751	12752	12753	12754	12755
##	5.757752e+03	5.373361e+03	6.233070e+03	6.030417e+03	6.048367e+03
##	12756	12757	12758	12759	12760
##	5.594817e+03	5.512927e+03	7.067888e+03	5.945004e+03	5.857351e+03
##	12761	12762	12763	12764	12765
##	5.774153e+03	5.743852e+03	6.324167e+03	6.402290e+03	5.598960e+03
##	12766	12767	12768	12769	12770
##	5.395724e+03	5.823448e+03	6.620306e+03	6.039904e+03	6.548977e+03
##	12771	12772	12773	12774	12775
##	6.341893e+03	7.154372e+03	6.179077e+03	5.458760e+03	5.898266e+03
##	12776	12777	12778	12779	12780
##	6.402650e+03	6.472041e+03	7.506412e+03	6.976701e+03	5.437359e+03
##	12781	12782	12783	12784	12785
##	5.941386e+03	6.322593e+03	5.917849e+03	5.827863e+03	5.732627e+03
##	12786	12787	12788	12789	12790
##	5.404554e+03	4.964957e+03	5.547145e+03	6.103127e+03	4.924568e+03
##	12791	12792	12793	12794	12795
##	7.449868e+03	6.392884e+03	5.620842e+03	5.551325e+03	5.852305e+03
##	12796	12797	12798	12799	12800
##	5.715400e+03	5.760038e+03	5.583371e+03	5.585888e+03	5.706117e+03
##	12801	12802	12803	12804	12805
##	4.435768e+03	4.437757e+03	5.944647e+03	5.729169e+03	5.711073e+03
##	12806	12807	12808	12809	12810
##	5.738083e+03	4.698331e+03	5.501724e+03	5.849380e+03	4.928732e+03
##	12811	12812	12813	12814	12815
##	5.934168e+03	5.329421e+03	6.797567e+03	5.783695e+03	5.416606e+03
##	12816	12817	12818	12819	12820
##	5.566087e+03	5.546742e+03	5.577264e+03	5.571198e+03	5.748288e+03
##	12821	12822	12823	12824	12825
##	6.131356e+03	6.282123e+03	6.088121e+03	6.877166e+03	6.393030e+03
##	12826	12827	12828	12829	12830
##	6.074967e+03	5.497447e+03	5.162250e+03	6.147449e+03	5.680896e+03
##	12831	12832	12833	12834	12835
##	5.619493e+03	5.553648e+03	6.143415e+03	7.095422e+03	5.720127e+03
##	12836	12837	12838	12839	12840
##	6.195221e+03	6.205007e+03	6.157691e+03	5.622588e+03	6.116322e+03
##	12841	12842	12843	12844	12845

##	5.512774e+03	6.207643e+03	5.199634e+03	5.734599e+03	6.683907e+03
##	12846	12847	12848	12849	12850
##	5.617220e+03	5.942512e+03	6.224611e+03	5.550526e+03	5.832952e+03
##	12851	12852	12853	12854	12855
##	7.640442e+03	5.695860e+03	5.938195e+03	5.687550e+03	5.739294e+03
##	12856	12857	12858	12859	12860
##	5.728281e+03	5.624231e+03	6.355899e+03	5.315869e+03	5.885181e+03
##	12861	12862	12863	12864	12865
##	5.925866e+03	5.914715e+03	6.311538e+03	6.169703e+03	5.607806e+03
##	12866	12867	12868	12869	12870
##	5.956954e+03	5.834354e+03	5.880334e+03	5.791341e+03	6.239268e+03
##	12871	12872	12873	12874	12875
##	5.753379e+03	5.581693e+03	5.788402e+03	5.666161e+03	5.581018e+03
##	12876	12877	12878	12879	12880
##	5.728664e+03	5.888468e+03	5.723985e+03	7.052850e+03	6.730513e+03
##	12881	12882	12883	12884	12885
##	6.034165e+03	5.388632e+03	5.628835e+03	6.352270e+03	6.351088e+03
##	12886	12887	12888	12889	12890
##	5.697756e+03	5.478445e+03	5.867053e+03	5.822835e+03	5.762138e+03
##	12891	12892	12893	12894	12895
##	7.660377e+03	5.935621e+03	5.646074e+03	6.645965e+03	5.781042e+03
##	12896	12897	12898	12899	12900
##	6.704204e+03	5.338636e+03	6.008922e+03	5.293564e+03	4.852000e+03
##	12901	12902	12903	12904	12905
##	6.072280e+03	5.479667e+03	6.009066e+03	6.428981e+03	4.874971e+03
##	12906	12907	12908	12909	12910
##	5.591691e+03	5.219029e+03	5.744212e+03	7.419111e+03	6.086632e+03
##	12911	12912	12913	12914	12915
##	5.757559e+03	5.413079e+03	5.999746e+03	6.419463e+03	5.680749e+03
##	12916	12917	12918	12919	12920
##	6.103090e+03	6.253027e+03	6.471298e+03	5.640131e+03	5.653393e+03
##	12921	12922	12923	12924	12925
##	5.571208e+03	6.028277e+03	5.334957e+03	4.683266e+03	6.123335e+03
##	12926	12927	12928	12929	12930
##	5.504317e+03	5.811577e+03	5.502827e+03	5.935408e+03	7.013279e+03
##	12931	12932	12933	12934	12935
##	6.330662e+03	6.187668e+03	5.567734e+03	5.587786e+03	6.515886e+03
##	12936	12937	12938	12939	12940
##	6.106081e+03	5.528532e+03	6.328073e+03	6.612349e+03	6.316080e+03
##	12941	12942	12943	12944	12945
##	6.074217e+03	6.353566e+03	5.398626e+03	5.010086e+03	5.066817e+03
##	12946	12947	12948	12949	12950
##	5.786356e+03	5.657898e+03	5.865042e+03	5.944207e+03	4.726425e+03
##	12951	12952	12953	12954	12955
##	5.067071e+03	5.049350e+03	5.527200e+03	8.231494e+03	6.437518e+03
##	12956	12957	12958	12959	12960
##	6.782823e+03	5.739172e+03	5.739561e+03	6.935960e+03	5.433686e+03
##	12961	12962	12963	12964	12965
##	5.478019e+03	5.806485e+03	5.768650e+03	5.935609e+03	5.829516e+03
##	12966	12967	12968	12969	12970
##	5.136712e+03	5.830657e+03	6.615278e+03	6.154031e+03	5.728574e+03
##	12971	12972	12973	12974	12975
##	5.931921e+03	5.485426e+03	5.528743e+03	4.957459e+03	6.036833e+03
##	12976	12977	12978	12979	12980

##	5.314567e+03	5.303752e+03	4.469671e+03	5.889801e+03	5.827176e+03
##	12981	12982	12983	12984	12985
##	5.878188e+03	6.366878e+03	6.353190e+03	5.399466e+03	6.300032e+03
##	12986	12987	12988	12989	12990
##	5.600964e+03	5.499369e+03	5.698521e+03	5.578132e+03	7.577125e+03
##	12991	12992	12993	12994	12995
##	5.517722e+03	5.618312e+03	5.674837e+03	5.658203e+03	5.805426e+03
##	12996	12997	12998	12999	13000
##	5.922771e+03	5.435757e+03	4.986458e+03	6.171235e+03	6.077756e+03
##	13001	13002	13003	13004	13005
##	4.995395e+03	6.991469e+03	9.969257e+03	5.299184e+03	6.283315e+03
##	13006	13007	13008	13009	13010
##	7.174807e+03	6.716299e+03	5.280362e+03	6.379893e+03	6.044719e+03
##	13011	13012	13013	13014	13015
##	7.686961e+03	5.586795e+03	5.368053e+03	6.000813e+03	5.686684e+03
##	13016	13017	13018	13019	13020
##	5.983113e+03	6.241773e+03	6.196009e+03	6.200728e+03	6.410683e+03
##	13021	13022	13023	13024	13025
##	5.696578e+02	1.002410e+03	7.185186e+02	6.252044e+02	3.050771e+01
##	13026	13027	13028	13029	13030
##	1.444966e+02	3.025394e+02	1.353819e+02	6.198852e+02	6.101575e+02
##	13031	13032	13033	13034	13035
##	2.341972e+02	-3.540681e+03	-1.610505e+03	-8.547880e+02	2.169512e+02
##	13036	13037	13038	13039	13040
##	-6.334937e+02	2.402342e+02	2.479131e+02	2.199670e+02	3.305339e+02
##	13041	13042	13043	13044	13045
##	3.487556e+02	2.008557e+02	2.580411e+02	3.920998e+02	1.983072e+02
##	13046	13047	13048	13049	13050
##	3.451043e+02	2.328267e+02	-8.970944e+02	5.870939e+02	5.997220e+02
##	13051	13052	13053	13054	13055
##	6.297416e+03	6.307741e+03	5.655045e+03	6.601237e+03	6.074465e+03
##	13056	13057	13058	13059	13060
##	5.955009e+03	5.471590e+03	5.664544e+03	5.679583e+03	5.392033e+03
##	13061	13062	13063	13064	13065
##	5.632791e+03	6.003991e+03	5.534859e+03	5.447376e+03	6.237356e+03
##	13066	13067	13068	13069	13070
##	5.815811e+03	5.457454e+03	6.328640e+03	6.438123e+03	6.470997e+03
##	13071	13072	13073	13074	13075
##	6.366242e+03	6.163780e+03	6.126713e+03	6.447661e+03	7.294289e+03
##	13076	13077	13078	13079	13080
##	7.264002e+03	5.559625e+03	5.944651e+03	5.606004e+03	5.564711e+03
##	13081	13082	13083	13084	13085
##	5.841263e+03	5.679072e+03	8.361664e+03	5.650642e+03	5.890786e+03
##	13086	13087	13088	13089	13090
##	5.225756e+03	5.189743e+03	5.851037e+03	6.451116e+03	5.998343e+03
##	13091	13092	13093	13094	13095
##	6.520918e+03	6.046726e+03	8.688605e+03	7.121180e+03	5.840745e+03
##	13096	13097	13098	13099	13100
##	5.728320e+03	6.243248e+03	6.351397e+03	6.196669e+03	5.859148e+03
##	13101	13102	13103	13104	13105
##	5.451980e+03	5.584022e+03	5.763056e+03	5.834708e+03	5.999190e+03
##	13106	13107	13108	13109	13110
##	6.546397e+03	5.129695e+03	5.612024e+03	5.700368e+03	5.602700e+03
##	13111	13112	13113	13114	13115

##	6.406907e+03	6.950990e+03	6.353973e+03	5.715119e+03	5.698711e+03
##	13116	13117	13118	13119	13120
##	6.521895e+03	6.305487e+03	5.742798e+03	1.006736e+04	5.588248e+03
##	13121	13122	13123	13124	13125
##	5.372841e+03	5.658390e+03	5.055999e+03	6.266831e+03	6.107662e+03
##	13126	13127	13128	13129	13130
##	6.797541e+03	6.601678e+03	4.901083e+03	5.505257e+03	4.938302e+03
##	13131	13132	13133	13134	13135
##	4.874595e+03	6.019866e+03	6.114928e+03	5.764863e+03	5.765019e+03
##	13136	13137	13138	13139	13140
##	6.223215e+03	5.805348e+03	6.234890e+03	6.149135e+03	6.067742e+03
##	13141	13142	13143	13144	13145
##	6.408965e+03	6.371051e+03	4.870135e+03	6.879250e+03	5.778164e+03
##	13146	13147	13148	13149	13150
##	6.174603e+03	5.144172e+03	5.605900e+03	6.095449e+03	5.335070e+03
##	13151	13152	13153	13154	13155
##	6.143672e+03	6.655592e+03	5.832501e+03	6.643791e+03	5.658369e+03
##	13156	13157	13158	13159	13160
##	5.930996e+03	5.734431e+03	6.009452e+03	5.787923e+03	5.672853e+03
##	13161	13162	13163	13164	13165
##	5.729370e+03	5.807458e+03	6.623550e+03	6.371582e+03	6.986429e+03
##	13166	13167	13168	13169	13170
##	7.303692e+03	6.024074e+03	5.659378e+03	5.587246e+03	5.562389e+03
##	13171	13172	13173	13174	13175
##	6.132075e+03	5.728540e+03	5.698596e+03	6.349901e+03	6.098800e+03
##	13176	13177	13178	13179	13180
##	5.793933e+03	6.678899e+03	8.228908e+03	6.419932e+03	6.408981e+03
##	13181	13182	13183	13184	13185
##	6.334054e+03	4.802562e+03	6.675975e+03	6.908329e+03	6.548845e+03
##	13186	13187	13188	13189	13190
##	6.075607e+03	6.348704e+03	6.325824e+03	6.369639e+03	6.105152e+03
##	13191	13192	13193	13194	13195
##	5.734469e+03	5.914598e+03	6.003137e+03	6.291089e+03	5.576505e+03
##	13196	13197	13198	13199	13200
##	6.468961e+03	5.556761e+03	4.954682e+03	6.007781e+03	5.595553e+03
##	13201	13202	13203	13204	13205
##	5.807711e+03	6.528293e+03	6.247798e+03	5.706158e+03	6.015806e+03
##	13206	13207	13208	13209	13210
##	5.866701e+03	5.897480e+03	6.291789e+03	6.124446e+03	6.019046e+03
##	13211	13212	13213	13214	13215
##	5.880106e+03	5.027041e+03	6.612132e+03	6.126412e+03	5.738957e+03
##	13216	13217	13218	13219	13220
##	4.917525e+03	6.025757e+03	6.938175e+03	6.070855e+03	5.975913e+03
##	13221	13222	13223	13224	13225
##	4.704197e+03	5.053817e+03	5.887999e+03	9.051473e+03	5.705325e+03
##	13226	13227	13228	13229	13230
##	5.670424e+03	5.920780e+03	5.301223e+03	7.315534e+03	6.980573e+03
##	13231	13232	13233	13234	13235
##	7.043030e+03	6.027610e+03	5.400771e+03	6.281969e+03	6.327085e+03
##	13236	13237	13238	13239	13240
##	6.291198e+03	5.918374e+03	5.805981e+03	5.827660e+03	5.932147e+03
##	13241	13242	13243	13244	13245
##	5.689904e+03	5.287646e+03	5.676791e+03	5.554538e+03	6.014320e+03
##	13246	13247	13248	13249	13250

##	6.124665e+03	6.760290e+03	5.163125e+03	5.528298e+03	6.172946e+03
##	13251	13252	13253	13254	13255
##	6.001693e+03	5.977643e+03	5.664383e+03	6.853654e+03	5.898727e+03
##	13256	13257	13258	13259	13260
##	5.680715e+03	5.982000e+03	5.813002e+03	5.640188e+03	6.249882e+03
##	13261	13262	13263	13264	13265
##	6.284593e+03	6.705040e+03	5.018114e+03	6.449460e+03	6.075545e+03
##	13266	13267	13268	13269	13270
##	5.605109e+03	5.687041e+03	5.089895e+03	5.720077e+03	5.750680e+03
##	13271	13272	13273	13274	13275
##	5.003013e+03	5.234435e+03	6.251779e+03	6.019937e+03	6.138892e+03
##	13276	13277	13278	13279	13280
##	6.015390e+03	5.223654e+03	5.709755e+03	6.019265e+03	5.920276e+03
##	13281	13282	13283	13284	13285
##	6.589586e+03	7.875646e+03	6.178182e+03	5.448657e+03	5.950612e+03
##	13286	13287	13288	13289	13290
##	5.809782e+03	5.729880e+03	5.788801e+03	5.783653e+03	5.914911e+03
##	13291	13292	13293	13294	13295
##	5.432421e+03	6.210455e+03	5.244929e+03	6.702718e+03	6.046097e+03
##	13296	13297	13298	13299	13300
##	6.117339e+03	5.209790e+03	6.031480e+03	4.999868e+03	5.675187e+03
##	13301	13302	13303	13304	13305
##	5.853043e+03	6.052090e+03	6.562615e+03	6.022085e+03	4.950919e+03
##	13306	13307	13308	13309	13310
##	6.240130e+03	5.794359e+03	6.472563e+03	5.783455e+03	5.540872e+03
##	13311	13312	13313	13314	13315
##	5.373403e+03	5.517594e+03	5.870439e+03	6.007840e+03	5.577951e+03
##	13316	13317	13318	13319	13320
##	6.010220e+03	5.593162e+03	5.531214e+03	5.659109e+03	5.646420e+03
##	13321	13322	13323	13324	13325
##	6.640435e+03	5.598946e+03	5.697290e+03	6.649412e+03	5.758754e+03
##	13326	13327	13328	13329	13330
##	6.157153e+03	5.763982e+03	5.342446e+03	5.879561e+03	4.520355e+03
##	13331	13332	13333	13334	13335
##	6.845058e+03	5.991281e+03	5.980167e+03	5.828021e+03	5.454055e+03
##	13336	13337	13338	13339	13340
##	5.851395e+03	6.521589e+03	6.139126e+03	6.520372e+03	6.695942e+03
##	13341	13342	13343	13344	13345
##	6.473391e+03	7.958509e+03	6.714790e+03	6.026465e+03	6.122500e+03
##	13346	13347	13348	13349	13350
##	5.085677e+03	6.044719e+03	6.063478e+03	6.115450e+03	5.594649e+03
##	13351	13352	13353	13354	13355
##	3.307988e+02	5.061113e+02	1.752019e+02	1.354562e+02	5.397177e+01
##	13356	13357	13358	13359	13360
##	9.264135e+01	5.656150e+01	7.287966e+01	4.806800e+01	4.627355e+01
##	13361	13362	13363	13364	13365
##	-8.932766e+00	-9.104727e-01	7.246113e+01	-2.501423e+00	4.255112e+02
##	13366	13367	13368	13369	13370
##	3.244743e+02	3.267268e+02	2.876086e+02	3.806439e+02	4.956069e+02
##	13371	13372	13373	13374	13375
##	6.305146e+02	6.190108e+02	6.157085e+02	1.571943e+02	1.408199e+02
##	13376	13377	13378	13379	13380
##	5.131323e+02	3.866479e+02	7.159387e+02	-1.625344e+03	-1.588742e+03
##	13381	13382	13383	13384	13385

##	5.728984e+02	5.992857e+02	5.811394e+02	1.119270e+03	1.339889e+02
##	13386	13387	13388	13389	13390
##	1.135547e+01	-3.852839e+02	2.111817e+02	4.289297e+02	5.483083e+02
##	13391	13392	13393	13394	13395
##	-6.481452e+02	-7.100184e+02	-4.779615e+02	5.518164e+02	3.407882e+02
##	13396	13397	13398	13399	13400
##	7.796069e+02	5.598104e+02	6.673221e+02	8.013402e+02	5.179501e+02
##	13401	13402	13403	13404	13405
##	6.222040e+02	5.240313e+02	5.556596e+02	5.588042e+02	5.712031e+02
##	13406	13407	13408	13409	13410
##	4.105655e+02	4.924773e+02	6.782775e+02	-1.586553e+03	-1.597583e+02
##	13411	13412	13413	13414	13415
##	6.456679e+03	5.437943e+03	5.908239e+03	6.693899e+03	6.118736e+03
##	13416	13417	13418	13419	13420
##	5.652724e+03	6.018489e+03	5.376024e+03	6.298104e+03	6.440461e+03
##	13421	13422	13423	13424	13425
##	6.139180e+03	5.205617e+03	5.703386e+03	5.422309e+03	6.254316e+03
##	13426	13427	13428	13429	13430
##	6.114476e+03	5.810727e+03	5.565289e+03	5.559358e+03	5.417055e+03
##	13431	13432	13433	13434	13435
##	5.592647e+03	4.979871e+03	5.691319e+03	6.808894e+03	6.129531e+03
##	13436	13437	13438	13439	13440
##	5.737622e+03	5.990277e+03	6.714322e+03	6.876380e+03	7.648883e+03
##	13441	13442	13443	13444	13445
##	5.947893e+03	5.929023e+03	6.611170e+03	7.068772e+03	5.453693e+03
##	13446	13447	13448	13449	13450
##	5.719019e+03	6.014634e+03	5.329918e+03	6.110341e+03	5.089583e+03
##	13451	13452	13453	13454	13455
##	5.966659e+03	5.979496e+03	5.830886e+03	6.100510e+03	5.917679e+03
##	13456	13457	13458	13459	13460
##	5.913142e+03	5.675096e+03	7.003859e+03	5.888556e+03	6.402306e+03
##	13461	13462	13463	13464	13465
##	5.792909e+03	6.396124e+03	5.514978e+03	6.016209e+03	6.244415e+03
##	13466	13467	13468	13469	13470
##	6.482356e+03	5.639878e+03	6.108456e+03	5.133936e+03	6.571142e+03
##	13471	13472	13473	13474	13475
##	5.933073e+03	6.094442e+03	5.911158e+03	8.398898e+03	5.684628e+03
##	13476	13477	13478	13479	13480
##	6.404698e+03	6.399290e+03	6.309991e+03	6.331075e+03	5.804006e+03
##	13481	13482	13483	13484	13485
##	5.812384e+03	6.012661e+03	5.636436e+03	5.304683e+03	6.282042e+03
##	13486	13487	13488	13489	13490
##	5.123560e+03	5.896411e+03	8.016702e+03	6.308319e+03	6.886648e+03
##	13491	13492	13493	13494	13495
##	6.610910e+03	5.660069e+03	5.261076e+03	6.038935e+03	6.394232e+03
##	13496	13497	13498	13499	13500
##	4.558923e+03	4.555671e+03	4.548657e+03	4.565901e+03	4.575080e+03
##	13501	13502	13503	13504	13505
##	5.466839e+03	7.151870e+03	5.944561e+03	5.848862e+03	5.978916e+03
##	13506	13507	13508	13509	13510
##	5.802104e+03	5.876109e+03	5.891405e+03	5.617655e+03	5.748633e+03
##	13511	13512	13513	13514	13515
##	6.425649e+03	5.868065e+03	5.782570e+03	5.819030e+03	5.688388e+03
##	13516	13517	13518	13519	13520

##	5.658865e+03	6.083586e+03	5.529732e+03	5.789072e+03	5.886122e+03
##	13521	13522	13523	13524	13525
##	6.336517e+03	4.682325e+03	5.639144e+03	5.436255e+03	7.336430e+03
##	13526	13527	13528	13529	13530
##	5.470781e+03	5.628842e+03	5.536353e+03	6.220048e+03	5.692854e+03
##	13531	13532	13533	13534	13535
##	6.361144e+03	6.715349e+03	5.846784e+03	5.683071e+03	6.288829e+03
##	13536	13537	13538	13539	13540
##	6.293535e+03	6.848104e+03	6.013011e+03	5.770721e+03	6.653188e+03
##	13541	13542	13543	13544	13545
##	6.723761e+03	6.265482e+03	6.566689e+03	6.519374e+03	5.442194e+03
##	13546	13547	13548	13549	13550
##	5.716032e+03	6.259262e+03	6.322198e+03	6.390452e+03	5.821719e+03
##	13551	13552	13553	13554	13555
##	5.900700e+03	6.209682e+03	6.006277e+03	6.154014e+03	6.079689e+03
##	13556	13557	13558	13559	13560
##	5.405768e+03	6.973743e+03	6.623151e+03	6.609550e+03	6.518309e+03
##	13561	13562	13563	13564	13565
##	5.876647e+03	5.833329e+03	1.030471e+04	6.235921e+03	6.343546e+03
##	13566	13567	13568	13569	13570
##	6.240196e+03	6.039361e+03	5.571110e+03	5.478959e+03	5.684371e+03
##	13571	13572	13573	13574	13575
##	5.705793e+03	5.678893e+03	6.492404e+03	6.243990e+03	5.684967e+03
##	13576	13577	13578	13579	13580
##	6.394186e+03	6.216493e+03	7.478880e+03	6.203222e+03	6.262258e+03
##	13581	13582	13583	13584	13585
##	6.245720e+03	5.262639e+03	6.177243e+03	5.989690e+03	5.871464e+03
##	13586	13587	13588	13589	13590
##	6.083732e+03	5.966162e+03	6.254983e+03	5.477808e+03	6.753848e+03
##	13591	13592	13593	13594	13595
##	5.577006e+03	6.148787e+03	6.243854e+03	6.175279e+03	5.965838e+03
##	13596	13597	13598	13599	13600
##	5.711734e+03	7.926245e+03	5.947440e+03	6.575192e+03	6.223222e+03
##	13601	13602	13603	13604	13605
##	5.811099e+03	7.617021e+03	5.649377e+03	6.299603e+03	6.629057e+03
##	13606	13607	13608	13609	13610
##	6.056082e+03	6.125900e+03	6.164842e+03	5.949308e+03	5.881253e+03
##	13611	13612	13613	13614	13615
##	5.973531e+03	6.343759e+03	6.868249e+03	5.831271e+03	5.530295e+03
##	13616	13617	13618	13619	13620
##	5.790221e+03	6.555432e+03	5.390891e+03	6.621066e+03	5.791280e+03
##	13621	13622	13623	13624	13625
##	5.733110e+03	6.011327e+03	5.441400e+03	6.165763e+03	5.315864e+03
##	13626	13627	13628	13629	13630
##	6.126454e+03	5.491009e+03	6.242322e+03	6.199669e+03	5.905019e+03
##	13631	13632	13633	13634	13635
##	6.309428e+03	5.848969e+03	6.454061e+03	5.680254e+03	6.118757e+03
##	13636	13637	13638	13639	13640
##	5.965015e+03	5.563123e+03	6.076700e+03	6.648793e+03	6.239889e+03
##	13641	13642	13643	13644	13645
##	6.425981e+03	5.776796e+03	6.693555e+03	6.849410e+03	6.646932e+03
##	13646	13647	13648	13649	13650
##	6.498000e+03	6.968684e+03	5.535561e+03	6.101998e+03	6.842491e+03
##	13651	13652	13653	13654	13655

##	6.650470e+03	6.374062e+03	6.465358e+03	5.591080e+03	6.628470e+03
##	13656	13657	13658	13659	13660
##	6.851779e+03	6.353252e+03	5.030007e+03	5.731273e+03	6.105972e+03
##	13661	13662	13663	13664	13665
##	5.988012e+03	6.675905e+03	5.624294e+03	5.713730e+03	5.439946e+03
##	13666	13667	13668	13669	13670
##	6.045022e+03	6.061800e+03	6.511399e+03	6.515857e+03	6.584478e+03
##	13671	13672	13673	13674	13675
##	5.821455e+03	5.250424e+03	5.868801e+03	5.588511e+03	5.938780e+03
##	13676	13677	13678	13679	13680
##	7.006313e+03	5.890831e+03	5.633526e+03	5.900676e+03	5.849056e+03
##	13681	13682	13683	13684	13685
##	6.431848e+03	5.733121e+03	5.779942e+03	5.965974e+03	5.885889e+03
##	13686	13687	13688	13689	13690
##	5.908251e+03	5.757048e+03	5.620709e+03	5.717216e+03	5.758251e+03
##	13691	13692	13693	13694	13695
##	5.653756e+03	5.553196e+03	5.703680e+03	5.547094e+03	5.762892e+03
##	13696	13697	13698	13699	13700
##	5.971516e+03	5.864335e+03	6.541415e+03	5.726167e+03	6.908990e+03
##	13701	13702	13703	13704	13705
##	6.482473e+03	5.568409e+03	5.896411e+03	6.566549e+03	6.555020e+03
##	13706	13707	13708	13709	13710
##	5.996677e+03	6.208634e+03	5.374874e+03	6.298580e+03	6.289017e+03
##	13711	13712	13713	13714	13715
##	2.857025e+02	3.058567e+02	2.992178e+02	5.971453e+02	6.008019e+02
##	13716	13717	13718	13719	13720
##	5.934940e+02	6.551660e+02	5.988358e+02	1.265047e+02	8.549755e+02
##	13721	13722	13723	13724	13725
##	-6.076273e+02	-2.619814e+02	-4.198749e+02	1.970739e+02	2.786390e+02
##	13726	13727	13728	13729	13730
##	5.902153e+02	3.526969e+02	7.039938e+02	7.200763e+02	5.516137e+02
##	13731	13732	13733	13734	13735
##	7.361588e+02	5.151326e+02	-2.020520e+02	1.065984e+03	1.033808e+03
##	13736	13737	13738	13739	13740
##	5.191940e+02	5.639069e+02	5.712781e+01	-3.159285e+02	-4.852133e+02
##	13741	13742	13743	13744	13745
##	6.308133e+03	6.409487e+03	5.919094e+03	5.940388e+03	6.390099e+03
##	13746	13747	13748	13749	13750
##	6.269968e+03	6.435680e+03	6.153156e+03	5.951524e+03	6.159741e+03
##	13751	13752	13753	13754	13755
##	6.709077e+03	6.650845e+03	6.502456e+03	6.117147e+03	5.869189e+03
##	13756	13757	13758	13759	13760
##	5.800571e+03	7.171266e+03	1.076916e+04	6.203170e+03	6.046857e+03
##	13761	13762	13763	13764	13765
##	6.222048e+03	5.806685e+03	6.385254e+03	7.881186e+03	5.478146e+03
##	13766	13767	13768	13769	13770
##	6.204584e+03	5.903631e+03	6.193812e+03	6.582623e+03	5.775577e+03
##	13771	13772	13773	13774	13775
##	6.150256e+03	5.820145e+03	6.405628e+03	5.581763e+03	6.169298e+03
##	13776	13777	13778	13779	13780
##	8.019156e+03	5.969626e+03	6.768179e+03	8.282457e+03	7.284894e+03
##	13781	13782	13783	13784	13785
##	5.803033e+03	5.862947e+03	5.964566e+03	7.188086e+03	5.722437e+03
##	13786	13787	13788	13789	13790

##	5.687054e+03	5.954305e+03	5.847146e+03	5.740765e+03	5.799603e+03
##	13791	13792	13793	13794	13795
##	5.743026e+03	6.271387e+03	5.875769e+03	5.638149e+03	7.048415e+03
##	13796	13797	13798	13799	13800
##	6.483507e+03	5.724403e+03	5.397569e+03	5.911950e+03	8.418091e+03
##	13801	13802	13803	13804	13805
##	5.925945e+03	5.948960e+03	5.838882e+03	4.998259e+03	6.302674e+03
##	13806	13807	13808	13809	13810
##	6.651958e+03	6.251132e+03	7.821759e+03	6.695383e+03	5.988736e+03
##	13811	13812	13813	13814	13815
##	6.192300e+03	5.738115e+03	5.568193e+03	6.556430e+03	6.618432e+03
##	13816	13817	13818	13819	13820
##	5.391297e+03	6.346130e+03	5.608518e+03	6.454409e+03	8.978780e+03
##	13821	13822	13823	13824	13825
##	7.263012e+03	6.392432e+03	7.335626e+03	6.460221e+03	5.753375e+03
##	13826	13827	13828	13829	13830
##	6.128233e+03	6.883647e+03	6.044495e+03	5.802058e+03	6.291934e+03
##	13831	13832	13833	13834	13835
##	6.117250e+03	6.637255e+03	5.500874e+03	7.261950e+03	7.296511e+03
##	13836	13837	13838	13839	13840
##	5.986528e+03	5.643033e+03	5.423011e+03	6.368521e+03	7.627472e+03
##	13841	13842	13843	13844	13845
##	7.254159e+03	6.084262e+03	5.685274e+03	6.014422e+03	6.841175e+03
##	13846	13847	13848	13849	13850
##	6.935632e+03	5.782437e+03	5.605109e+03	5.134222e+03	6.442834e+03
##	13851	13852	13853	13854	13855
##	5.716036e+03	5.863862e+03	6.173878e+03	6.573428e+03	6.799420e+03
##	13856	13857	13858	13859	13860
##	5.791101e+03	5.478839e+03	5.941192e+03	6.684135e+03	5.793183e+03
##	13861	13862	13863	13864	13865
##	5.793183e+03	6.820366e+03	6.667189e+03	5.499329e+03	5.689880e+03
##	13866	13867	13868	13869	13870
##	6.759941e+03	5.728696e+03	6.384039e+03	5.873815e+03	6.442244e+03
##	13871	13872	13873	13874	13875
##	5.972297e+03	6.517593e+03	6.927391e+03	6.536153e+03	6.514021e+03
##	13876	13877	13878	13879	13880
##	6.610899e+03	5.835056e+03	6.144786e+03	6.184052e+03	6.693224e+03
##	13881	13882	13883	13884	13885
##	5.864598e+03	6.237804e+03	6.287004e+03	5.716329e+03	6.052048e+03
##	13886	13887	13888	13889	13890
##	5.990745e+03	6.123478e+03	5.697414e+03	5.949713e+03	5.907304e+03
##	13891	13892	13893	13894	13895
##	7.998169e+03	6.167008e+03	6.160723e+03	5.915653e+03	5.835932e+03
##	13896	13897	13898	13899	13900
##	5.807618e+03	4.917539e+03	5.947135e+03	5.042282e+03	5.661158e+03
##	13901	13902	13903	13904	13905
##	5.561025e+03	5.630432e+03	6.135498e+03	6.263399e+03	5.361909e+03
##	13906	13907	13908	13909	13910
##	6.367997e+03	6.723312e+03	5.962721e+03	6.200605e+03	6.377413e+03
##	13911	13912	13913	13914	13915
##	6.134564e+03	6.004908e+03	5.334079e+03	5.022708e+03	5.055659e+03
##	13916	13917	13918	13919	13920
##	7.910713e+03	5.973963e+03	7.042316e+03	6.486424e+03	6.863124e+03
##	13921	13922	13923	13924	13925

##	7.033379e+03	5.704613e+03	5.183399e+03	5.906268e+03	5.653566e+03
##	13926	13927	13928	13929	13930
##	6.284071e+03	5.536723e+03	6.175402e+03	6.395016e+03	9.407037e+03
##	13931	13932	13933	13934	13935
##	5.840192e+03	5.494933e+03	5.916153e+03	6.660386e+03	6.045623e+03
##	13936	13937	13938	13939	13940
##	6.200073e+03	5.977446e+03	7.203036e+03	5.800778e+03	5.687216e+03
##	13941	13942	13943	13944	13945
##	6.286923e+03	5.856885e+03	7.504727e+03	6.276132e+03	5.520386e+03
##	13946	13947	13948	13949	13950
##	6.625130e+03	5.825718e+03	6.466258e+03	6.600709e+03	5.711214e+03
##	13951	13952	13953	13954	13955
##	6.489034e+03	7.156781e+03	6.215383e+03	6.236886e+03	6.269882e+03
##	13956	13957	13958	13959	13960
##	6.781129e+03	7.513644e+03	6.055203e+03	6.007988e+03	4.968067e+03
##	13961	13962	13963	13964	13965
##	8.141594e+03	5.712367e+03	7.712720e+03	5.643879e+03	5.663348e+03
##	13966	13967	13968	13969	13970
##	6.044243e+03	5.629085e+03	5.675314e+03	5.816284e+03	5.855532e+03
##	13971	13972	13973	13974	13975
##	9.198376e+03	5.851623e+03	6.147606e+03	6.617568e+03	6.848104e+03
##	13976	13977	13978	13979	13980
##	6.178079e+03	6.800885e+03	6.891303e+03	6.724608e+03	5.867993e+03
##	13981	13982	13983	13984	13985
##	7.135400e+03	6.343384e+03	6.057774e+03	5.995933e+03	5.988653e+03
##	13986	13987	13988	13989	13990
##	7.236751e+03	5.970379e+03	6.683072e+03	5.409410e+03	5.987991e+03
##	13991	13992	13993	13994	13995
##	6.496415e+03	9.549335e+03	9.378161e+03	5.521623e+03	5.016345e+03
##	13996	13997	13998	13999	14000
##	6.114204e+03	6.532201e+03	5.532054e+03	6.072610e+03	6.516224e+03
##	14001	14002	14003	14004	14005
##	6.479968e+03	6.753358e+03	6.753358e+03	6.619477e+03	6.722270e+03
##	14006	14007	14008	14009	14010
##	6.310251e+03	6.798312e+03	6.634984e+03	6.074712e+03	5.770555e+03
##	14011	14012	14013	14014	14015
##	6.038156e+03	5.704734e+03	5.982027e+03	5.729049e+03	5.847179e+03
##	14016	14017	14018	14019	14020
##	5.994026e+03	5.776840e+03	5.848157e+03	5.965732e+03	5.779926e+03
##	14021	14022	14023	14024	14025
##	5.643343e+03	5.790923e+03	5.819146e+03	5.997388e+03	5.898207e+03
##	14026	14027	14028	14029	14030
##	5.897933e+03	5.358502e+03	6.060072e+03	6.241369e+03	5.954028e+03
##	14031	14032	14033	14034	14035
##	6.021307e+03	4.944379e+03	6.211464e+03	6.407455e+03	5.344338e+03
##	14036	14037	14038	14039	14040
##	5.348023e+03	6.304643e+03	5.648376e+03	6.231157e+03	6.045922e+03
##	14041	14042	14043	14044	14045
##	5.014999e+02	8.406733e+02	7.728964e+02	-7.077163e+02	-4.611838e+02
##	14046	14047	14048	14049	14050
##	1.170546e+03	1.128416e+03	-7.207798e+02	-2.909538e+02	-2.570757e+02
##	14051	14052	14053	14054	14055
##	-1.809808e+02	2.943170e+02	2.257922e+02	-1.242496e+02	4.418184e+02
##	14056	14057	14058	14059	14060

##	4.498473e+02	3.953923e+02	3.684737e+02	4.462037e+02	5.714382e+02
##	14061	14062	14063	14064	14065
##	5.867402e+02	2.243018e+02	5.368925e+02	2.979511e+02	4.987963e+02
##	14066	14067	14068	14069	14070
##	5.146651e+02	5.467173e+02	5.891856e+02	3.738045e+02	1.809594e+02
##	14071	14072	14073	14074	14075
##	6.137624e+03	5.910810e+03	6.009974e+03	5.938813e+03	6.016321e+03
##	14076	14077	14078	14079	14080
##	5.816515e+03	5.766843e+03	4.457825e+03	6.042638e+03	6.357692e+03
##	14081	14082	14083	14084	14085
##	5.745613e+03	5.538663e+03	6.370687e+03	5.607388e+03	6.022536e+03
##	14086	14087	14088	14089	14090
##	6.678491e+03	6.435273e+03	6.329001e+03	6.587448e+03	6.833389e+03
##	14091	14092	14093	14094	14095
##	6.535003e+03	6.472208e+03	6.519028e+03	7.805103e+03	5.125299e+03
##	14096	14097	14098	14099	14100
##	6.458509e+03	6.411969e+03	5.871509e+03	6.660600e+03	5.611165e+03
##	14101	14102	14103	14104	14105
##	6.080758e+03	6.026243e+03	6.081927e+03	7.468474e+03	6.788423e+03
##	14106	14107	14108	14109	14110
##	6.441159e+03	5.677831e+03	6.308732e+03	6.324018e+03	8.605835e+03
##	14111	14112	14113	14114	14115
##	6.780285e+03	5.811523e+03	8.054170e+03	7.346929e+03	5.808628e+03
##	14116	14117	14118	14119	14120
##	5.725232e+03	5.722998e+03	6.738714e+03	5.465400e+03	5.816610e+03
##	14121	14122	14123	14124	14125
##	6.027111e+03	7.099670e+03	5.965411e+03	6.330134e+03	5.548157e+03
##	14126	14127	14128	14129	14130
##	5.744140e+03	5.777113e+03	6.605889e+03	5.364374e+03	4.834716e+03
##	14131	14132	14133	14134	14135
##	6.246340e+03	6.305790e+03	6.120859e+03	5.875916e+03	5.918355e+03
##	14136	14137	14138	14139	14140
##	6.384836e+03	5.993179e+03	5.954323e+03	1.128728e+04	6.900758e+03
##	14141	14142	14143	14144	14145
##	6.274731e+03	5.829277e+03	6.343413e+03	7.233716e+03	6.331993e+03
##	14146	14147	14148	14149	14150
##	6.631108e+03	7.737871e+03	6.603966e+03	6.040646e+03	6.596540e+03
##	14151	14152	14153	14154	14155
##	6.225508e+03	5.932266e+03	6.766435e+03	5.658147e+03	5.663032e+03
##	14156	14157	14158	14159	14160
##	6.015730e+03	5.579203e+03	5.987610e+03	6.193413e+03	6.191766e+03
##	14161	14162	14163	14164	14165
##	6.276394e+03	6.415870e+03	6.654026e+03	6.729939e+03	6.673355e+03
##	14166	14167	14168	14169	14170
##	5.940265e+03	5.743499e+03	6.909921e+03	7.595974e+03	5.588088e+03
##	14171	14172	14173	14174	14175
##	5.064551e+03	5.659344e+03	4.669683e+03	6.732790e+03	6.259389e+03
##	14176	14177	14178	14179	14180
##	5.691851e+03	6.312351e+03	6.448427e+03	7.330623e+03	5.431660e+03
##	14181	14182	14183	14184	14185
##	5.388065e+03	6.109708e+03	5.831710e+03	5.874167e+03	7.957738e+03
##	14186	14187	14188	14189	14190
##	5.629326e+03	5.903479e+03	5.770818e+03	5.802886e+03	5.776449e+03
##	14191	14192	14193	14194	14195

##	6.018528e+03	5.857127e+03	6.474270e+03	7.858022e+03	6.146650e+03
##	14196	14197	14198	14199	14200
##	7.622316e+03	5.971116e+03	6.025885e+03	6.060114e+03	6.199904e+03
##	14201	14202	14203	14204	14205
##	5.972181e+03	6.031196e+03	6.011448e+03	6.009883e+03	6.021317e+03
##	14206	14207	14208	14209	14210
##	5.786847e+03	8.093917e+03	8.099491e+03	6.612850e+03	6.709804e+03
##	14211	14212	14213	14214	14215
##	6.308618e+03	6.260687e+03	7.139295e+03	8.088329e+03	7.248442e+03
##	14216	14217	14218	14219	14220
##	7.885373e+03	6.171791e+03	6.242524e+03	6.460491e+03	6.326159e+03
##	14221	14222	14223	14224	14225
##	6.247210e+03	6.321929e+03	8.105498e+03	7.197431e+03	6.079077e+03
##	14226	14227	14228	14229	14230
##	6.398295e+03	5.873932e+03	5.712660e+03	5.967546e+03	8.160784e+03
##	14231	14232	14233	14234	14235
##	7.821137e+03	5.664061e+03	6.329684e+03	6.594349e+03	6.216117e+03
##	14236	14237	14238	14239	14240
##	5.929243e+03	8.596463e+03	7.087373e+03	3.788055e+03	6.435530e+03
##	14241	14242	14243	14244	14245
##	6.837413e+03	6.353650e+03	6.340586e+03	6.101279e+03	5.137575e+03
##	14246	14247	14248	14249	14250
##	5.922023e+03	6.421132e+03	6.974534e+03	6.786086e+03	7.730477e+03
##	14251	14252	14253	14254	14255
##	5.832909e+03	6.417508e+03	7.867639e+03	6.362655e+03	5.833598e+03
##	14256	14257	14258	14259	14260
##	5.901817e+03	5.902698e+03	5.809342e+03	6.215866e+03	5.858075e+03
##	14261	14262	14263	14264	14265
##	6.133047e+03	7.763408e+03	5.673038e+03	6.319580e+03	5.920182e+03
##	14266	14267	14268	14269	14270
##	5.909013e+03	6.600438e+03	7.106884e+03	5.994309e+03	6.628863e+03
##	14271	14272	14273	14274	14275
##	5.096491e+03	6.432528e+03	5.713922e+03	5.196297e+03	7.095709e+03
##	14276	14277	14278	14279	14280
##	6.408372e+03	5.779756e+03	5.894540e+03	5.828938e+03	6.370125e+03
##	14281	14282	14283	14284	14285
##	7.518524e+03	6.526336e+03	6.510791e+03	7.123715e+03	5.950959e+03
##	14286	14287	14288	14289	14290
##	5.980952e+03	5.969641e+03	6.882270e+03	5.367976e+03	5.469368e+03
##	14291	14292	14293	14294	14295
##	7.038511e+03	6.307804e+03	8.399573e+03	5.559903e+03	5.915215e+03
##	14296	14297	14298	14299	14300
##	6.299539e+03	7.265546e+03	7.074728e+03	5.671240e+03	6.538895e+03
##	14301	14302	14303	14304	14305
##	5.552188e+03	8.409136e+03	6.445176e+03	6.761449e+03	6.630119e+03
##	14306	14307	14308	14309	14310
##	5.844907e+03	5.532364e+03	6.669850e+03	5.946376e+03	6.984837e+03
##	14311	14312	14313	14314	14315
##	6.185375e+03	6.686459e+03	5.505303e+03	4.652668e+03	6.249367e+03
##	14316	14317	14318	14319	14320
##	5.221136e+03	6.611289e+03	8.529025e+03	6.998633e+03	6.387726e+03
##	14321	14322	14323	14324	14325
##	6.445521e+03	6.447130e+03	6.632239e+03	6.581472e+03	6.646816e+03
##	14326	14327	14328	14329	14330

##	5.911824e+03	5.513354e+03	6.215416e+03	6.209173e+03	6.206596e+03
##	14331	14332	14333	14334	14335
##	5.901553e+03	7.372291e+03	5.363397e+03	5.904871e+03	5.547144e+03
##	14336	14337	14338	14339	14340
##	6.228377e+03	5.813793e+03	5.880069e+03	5.897239e+03	5.739481e+03
##	14341	14342	14343	14344	14345
##	5.896211e+03	5.867671e+03	6.413314e+03	6.408827e+03	5.954028e+03
##	14346	14347	14348	14349	14350
##	5.939878e+03	6.442717e+03	6.300107e+03	7.378493e+03	6.840562e+03
##	14351	14352	14353	14354	14355
##	6.747827e+03	7.036397e+03	6.263928e+03	5.949611e+03	5.984286e+03
##	14356	14357	14358	14359	14360
##	6.412630e+03	6.571128e+03	6.108777e+03	5.727601e+03	5.948586e+03
##	14361	14362	14363	14364	14365
##	6.171211e+03	5.844015e+03	6.695938e+03	6.430002e+03	5.889344e+03
##	14366	14367	14368	14369	14370
##	6.178761e+03	6.249585e+03	6.486424e+03	6.455675e+03	6.143535e+03
##	14371	14372	14373	14374	14375
##	5.078794e+02	2.280038e+02	4.805067e+02	5.795385e+02	3.259845e+02
##	14376	14377	14378	14379	14380
##	5.006168e+02	4.638554e+02	7.007782e+02	4.999814e+02	4.872859e+02
##	14381	14382	14383	14384	14385
##	4.161755e+02	4.060875e+02	4.538076e+02	4.579864e+02	5.608729e+02
##	14386	14387	14388	14389	14390
##	3.895731e+02	5.356620e+02	4.715860e+02	2.215271e+02	3.072986e+02
##	14391	14392	14393	14394	14395
##	3.955146e+02	4.904603e+02	4.367263e+02	5.628386e+02	3.940737e+02
##	14396	14397	14398	14399	14400
##	2.191839e+02	4.947131e+02	5.007559e+02	3.332451e+02	4.147542e+02
##	14401	14402	14403	14404	14405
##	6.038616e+03	5.985600e+03	6.334798e+03	6.343475e+03	6.019928e+03
##	14406	14407	14408	14409	14410
##	6.959363e+03	6.931707e+03	6.790892e+03	5.967631e+03	6.012561e+03
##	14411	14412	14413	14414	14415
##	6.139444e+03	5.626660e+03	6.290337e+03	6.273205e+03	6.368331e+03
##	14416	14417	14418	14419	14420
##	6.285540e+03	6.186370e+03	6.032739e+03	6.400957e+03	6.569729e+03
##	14421	14422	14423	14424	14425
##	6.602842e+03	6.755417e+03	6.617374e+03	6.488492e+03	5.342752e+03
##	14426	14427	14428	14429	14430
##	8.111053e+03	6.031318e+03	5.583755e+03	7.116788e+03	6.666227e+03
##	14431	14432	14433	14434	14435
##	5.761268e+03	6.099970e+03	6.278196e+03	5.353231e+03	4.010038e+03
##	14436	14437	14438	14439	14440
##	7.099067e+03	6.195524e+03	6.267559e+03	6.789260e+03	6.846693e+03
##	14441	14442	14443	14444	14445
##	5.973490e+03	7.483944e+03	6.284346e+03	7.867327e+03	6.802579e+03
##	14446	14447	14448	14449	14450
##	6.951055e+03	6.027694e+03	5.813128e+03	5.798984e+03	7.711966e+03
##	14451	14452	14453	14454	14455
##	6.387021e+03	7.367105e+03	7.273878e+03	5.934875e+03	5.621102e+03
##	14456	14457	14458	14459	14460
##	8.318216e+03	7.135388e+03	6.757415e+03	6.118868e+03	7.188837e+03
##	14461	14462	14463	14464	14465

##	5.206631e+03	6.251913e+03	7.219123e+03	5.953817e+03	6.016835e+03
##	14466	14467	14468	14469	14470
##	6.011331e+03	6.063720e+03	5.935625e+03	6.231084e+03	5.906980e+03
##	14471	14472	14473	14474	14475
##	5.356693e+03	4.907023e+03	6.643842e+03	6.479197e+03	6.115597e+03
##	14476	14477	14478	14479	14480
##	6.235356e+03	6.471334e+03	6.858004e+03	7.868214e+03	6.186285e+03
##	14481	14482	14483	14484	14485
##	5.616740e+03	6.361541e+03	5.957074e+03	7.701184e+03	6.245858e+03
##	14486	14487	14488	14489	14490
##	6.685292e+03	5.711133e+03	6.663137e+03	6.634791e+03	7.489647e+03
##	14491	14492	14493	14494	14495
##	6.276861e+03	5.367210e+03	7.590710e+03	5.308339e+03	5.900253e+03
##	14496	14497	14498	14499	14500
##	5.618050e+03	5.145898e+03	5.898714e+03	6.329504e+03	6.482620e+03
##	14501	14502	14503	14504	14505
##	6.734909e+03	6.623397e+03	6.634984e+03	6.037367e+03	6.669403e+03
##	14506	14507	14508	14509	14510
##	5.946245e+03	5.772117e+03	6.508441e+03	5.845660e+03	5.473818e+03
##	14511	14512	14513	14514	14515
##	5.569046e+03	6.196268e+03	7.376256e+03	5.986813e+03	6.672829e+03
##	14516	14517	14518	14519	14520
##	5.983791e+03	5.965762e+03	5.980912e+03	5.995606e+03	6.020532e+03
##	14521	14522	14523	14524	14525
##	5.905755e+03	6.034403e+03	5.886130e+03	6.162707e+03	6.168876e+03
##	14526	14527	14528	14529	14530
##	5.961274e+03	5.955737e+03	5.959945e+03	6.243099e+03	7.169312e+03
##	14531	14532	14533	14534	14535
##	5.565516e+03	7.152735e+03	6.651728e+03	5.680378e+03	5.614020e+03
##	14536	14537	14538	14539	14540
##	6.651808e+03	6.360565e+03	7.119609e+03	7.193564e+03	6.658899e+03
##	14541	14542	14543	14544	14545
##	6.300606e+03	8.064783e+03	6.703895e+03	5.648824e+03	6.334509e+03
##	14546	14547	14548	14549	14550
##	6.543455e+03	6.260378e+03	6.246915e+03	7.993129e+03	6.408880e+03
##	14551	14552	14553	14554	14555
##	6.162039e+03	5.631906e+03	5.831099e+03	6.271102e+03	6.400367e+03
##	14556	14557	14558	14559	14560
##	6.893333e+03	5.861102e+03	5.803062e+03	5.748270e+03	5.797003e+03
##	14561	14562	14563	14564	14565
##	5.918391e+03	5.703720e+03	5.861984e+03	5.889646e+03	5.540954e+03
##	14566	14567	14568	14569	14570
##	7.456710e+03	7.467858e+03	5.853256e+03	5.981274e+03	6.252041e+03
##	14571	14572	14573	14574	14575
##	6.051314e+03	6.510338e+03	5.420383e+03	5.895769e+03	6.689489e+03
##	14576	14577	14578	14579	14580
##	3.580414e+03	5.702098e+03	6.996059e+03	7.478129e+03	6.888638e+03
##	14581	14582	14583	14584	14585
##	6.544643e+03	6.660884e+03	6.577970e+03	6.010609e+03	5.563030e+03
##	14586	14587	14588	14589	14590
##	6.210472e+03	5.312358e+03	6.041380e+03	5.980521e+03	5.937432e+03
##	14591	14592	14593	14594	14595
##	7.055311e+03	6.457912e+03	6.775129e+03	6.055412e+03	5.909701e+03
##	14596	14597	14598	14599	14600

##	6.709916e+03	7.087825e+03	5.900065e+03	6.717037e+03	6.804602e+03
##	14601	14602	14603	14604	14605
##	7.172240e+03	7.010156e+03	6.737779e+03	5.986129e+03	6.300588e+03
##	14606	14607	14608	14609	14610
##	6.928179e+03	6.722302e+03	5.940904e+03	6.697175e+03	6.779132e+03
##	14611	14612	14613	14614	14615
##	5.911997e+03	5.491820e+03	5.561923e+03	6.588140e+03	6.345373e+03
##	14616	14617	14618	14619	14620
##	6.394283e+03	6.496596e+03	6.665513e+03	6.727724e+03	6.206635e+03
##	14621	14622	14623	14624	14625
##	6.058678e+03	7.126353e+03	7.780232e+03	7.715424e+03	6.154839e+03
##	14626	14627	14628	14629	14630
##	6.645744e+03	5.861693e+03	5.891964e+03	6.049950e+03	6.351837e+03
##	14631	14632	14633	14634	14635
##	4.932582e+03	6.909514e+03	6.595922e+03	6.247647e+03	5.441196e+03
##	14636	14637	14638	14639	14640
##	6.415077e+03	6.265976e+03	5.429722e+03	6.058077e+03	7.341755e+03
##	14641	14642	14643	14644	14645
##	6.862649e+03	7.072401e+03	7.525603e+03	6.013872e+03	6.308587e+03
##	14646	14647	14648	14649	14650
##	9.979631e+03	6.359699e+03	6.332059e+03	6.575769e+03	6.929388e+03
##	14651	14652	14653	14654	14655
##	6.508321e+03	7.842603e+03	8.542178e+03	6.873828e+03	6.284575e+03
##	14656	14657	14658	14659	14660
##	7.948321e+03	6.776318e+03	6.132238e+03	6.270938e+03	6.514254e+03
##	14661	14662	14663	14664	14665
##	6.430719e+03	7.147282e+03	5.946347e+03	6.010675e+03	6.013606e+03
##	14666	14667	14668	14669	14670
##	5.994939e+03	6.541249e+03	7.768344e+03	8.531275e+03	6.111343e+03
##	14671	14672	14673	14674	14675
##	6.951778e+03	6.530451e+03	6.285847e+03	6.054730e+03	6.883191e+03
##	14676	14677	14678	14679	14680
##	6.783787e+03	5.858808e+03	6.158403e+03	6.435317e+03	6.435530e+03
##	14681	14682	14683	14684	14685
##	7.127434e+03	6.319767e+03	5.978069e+03	6.598489e+03	6.815193e+03
##	14686	14687	14688	14689	14690
##	6.860203e+03	6.691106e+03	7.215110e+03	6.632992e+03	6.286901e+03
##	14691	14692	14693	14694	14695
##	6.320591e+03	6.196600e+03	6.268315e+03	5.938403e+03	6.133965e+03
##	14696	14697	14698	14699	14700
##	6.097041e+03	6.082478e+03	5.927112e+03	6.697552e+03	5.707061e+03
##	14701	14702	14703	14704	14705
##	4.759735e+02	6.800456e+02	6.205247e+02	5.571154e+02	5.917503e+02
##	14706	14707	14708	14709	14710
##	6.537337e+02	4.765679e+02	4.711658e+02	5.834882e+02	3.304704e+02
##	14711	14712	14713	14714	14715
##	5.427116e+02	5.951376e+02	5.013418e+02	3.984307e+02	4.283369e+02
##	14716	14717	14718	14719	14720
##	6.149246e+02	3.759568e+02	5.874753e+02	1.285388e+02	3.699940e+02
##	14721	14722	14723	14724	14725
##	5.751881e+02	5.121483e+02	3.747444e+02	4.843154e+02	4.872029e+02
##	14726	14727	14728	14729	14730
##	4.009697e+02	6.582670e+02	5.513632e+02	3.605558e+02	3.614240e+02
##	14731	14732	14733	14734	14735

##	6.742989e+03	7.457690e+03	6.886298e+03	7.161620e+03	6.220897e+03
##	14736	14737	14738	14739	14740
##	6.280285e+03	5.719178e+03	6.534098e+03	5.713305e+03	6.910137e+03
##	14741	14742	14743	14744	14745
##	5.613921e+03	7.037995e+03	6.821273e+03	6.875269e+03	7.347867e+03
##	14746	14747	14748	14749	14750
##	6.107872e+03	6.805979e+03	6.602171e+03	6.762540e+03	8.507526e+03
##	14751	14752	14753	14754	14755
##	6.115718e+03	7.009643e+03	5.727651e+03	5.706996e+03	5.906829e+03
##	14756	14757	14758	14759	14760
##	5.827250e+03	5.854957e+03	5.956443e+03	5.773273e+03	5.960217e+03
##	14761	14762	14763	14764	14765
##	5.947555e+03	5.943859e+03	5.876369e+03	7.043779e+03	6.248041e+03
##	14766	14767	14768	14769	14770
##	6.712822e+03	6.625462e+03	6.026667e+03	5.977086e+03	7.284291e+03
##	14771	14772	14773	14774	14775
##	7.198765e+03	6.468604e+03	5.990974e+03	5.915258e+03	5.955407e+03
##	14776	14777	14778	14779	14780
##	6.095962e+03	6.469907e+03	6.992603e+03	6.600100e+03	7.058078e+03
##	14781	14782	14783	14784	14785
##	6.114978e+03	6.804734e+03	6.777201e+03	6.458839e+03	6.417906e+03
##	14786	14787	14788	14789	14790
##	5.684911e+03	6.106467e+03	6.101591e+03	5.309282e+03	6.761454e+03
##	14791	14792	14793	14794	14795
##	6.256509e+03	5.978558e+03	6.465980e+03	6.027641e+03	6.232429e+03
##	14796	14797	14798	14799	14800
##	6.817289e+03	6.200724e+03	6.781790e+03	6.120798e+03	6.800533e+03
##	14801	14802	14803	14804	14805
##	6.222142e+03	5.761375e+03	7.303291e+03	7.087983e+03	8.659427e+03
##	14806	14807	14808	14809	14810
##	7.019846e+03	5.700721e+03	8.552973e+03	6.834327e+03	6.663658e+03
##	14811	14812	14813	14814	14815
##	6.616585e+03	6.316880e+03	6.602067e+03	7.175695e+03	6.805500e+03
##	14816	14817	14818	14819	14820
##	6.899494e+03	5.951070e+03	5.817361e+03	5.891291e+03	5.762995e+03
##	14821	14822	14823	14824	14825
##	5.892336e+03	7.345720e+03	6.145927e+03	7.046451e+03	6.119523e+03
##	14826	14827	14828	14829	14830
##	6.505324e+03	6.847999e+03	5.764620e+03	5.608333e+03	5.664947e+03
##	14831	14832	14833	14834	14835
##	7.044920e+03	5.903699e+03	6.713631e+03	7.272828e+03	7.303414e+03
##	14836	14837	14838	14839	14840
##	7.150051e+03	5.595697e+03	6.393877e+03	8.022498e+03	6.696553e+03
##	14841	14842	14843	14844	14845
##	6.987115e+03	6.545335e+03	6.588830e+03	5.883016e+03	6.075711e+03
##	14846	14847	14848	14849	14850
##	5.880184e+03	6.952646e+03	6.747030e+03	7.562330e+03	7.212083e+03
##	14851	14852	14853	14854	14855
##	6.066963e+03	6.508138e+03	6.306595e+03	6.182397e+03	6.293366e+03
##	14856	14857	14858	14859	14860
##	7.304065e+03	5.996898e+03	6.432817e+03	6.940415e+03	6.688372e+03
##	14861	14862	14863	14864	14865
##	6.755181e+03	6.329147e+03	5.611339e+03	6.311500e+03	5.801807e+03
##	14866	14867	14868	14869	14870

##	6.339211e+03	6.192903e+03	6.013339e+03	6.210008e+03	6.192131e+03
##	14871	14872	14873	14874	14875
##	6.213522e+03	5.995031e+03	6.037947e+03	6.384835e+03	5.810103e+03
##	14876	14877	14878	14879	14880
##	5.299192e+03	6.794107e+03	8.160064e+03	6.253904e+03	5.085325e+03
##	14881	14882	14883	14884	14885
##	6.192029e+03	8.119485e+03	6.028112e+03	5.909203e+03	8.474933e+03
##	14886	14887	14888	14889	14890
##	6.054734e+03	7.024775e+03	6.269121e+03	6.593495e+03	7.327892e+03
##	14891	14892	14893	14894	14895
##	6.553718e+03	6.958578e+03	6.824550e+03	5.843301e+03	6.679380e+03
##	14896	14897	14898	14899	14900
##	6.354812e+03	6.263308e+03	5.952935e+03	8.416200e+03	6.016520e+03
##	14901	14902	14903	14904	14905
##	5.945414e+03	6.893017e+03	5.946347e+03	6.021699e+03	5.767720e+03
##	14906	14907	14908	14909	14910
##	6.013269e+03	6.135824e+03	6.127570e+03	7.173312e+03	6.804134e+03
##	14911	14912	14913	14914	14915
##	6.671408e+03	6.492854e+03	1.023077e+04	1.023720e+04	5.456053e+03
##	14916	14917	14918	14919	14920
##	6.161742e+03	6.536405e+03	6.969876e+03	6.264602e+03	6.573889e+03
##	14921	14922	14923	14924	14925
##	7.378941e+03	8.796776e+03	8.796776e+03	8.832685e+03	6.260109e+03
##	14926	14927	14928	14929	14930
##	7.385966e+03	9.883427e+03	1.018654e+04	7.514545e+03	6.369003e+03
##	14931	14932	14933	14934	14935
##	6.672441e+03	7.317631e+03	6.451713e+03	6.139765e+03	6.945765e+03
##	14936	14937	14938	14939	14940
##	6.571205e+03	6.214199e+03	6.387364e+03	8.323314e+03	5.378265e+03
##	14941	14942	14943	14944	14945
##	5.936980e+03	6.622349e+03	6.665041e+03	6.695043e+03	6.636659e+03
##	14946	14947	14948	14949	14950
##	6.711272e+03	6.686523e+03	6.020865e+03	6.052619e+03	5.573435e+03
##	14951	14952	14953	14954	14955
##	6.316497e+03	7.073160e+03	6.163930e+03	6.722782e+03	6.647078e+03
##	14956	14957	14958	14959	14960
##	6.401180e+03	7.328232e+03	6.178683e+03	6.850228e+03	7.902559e+03
##	14961	14962	14963	14964	14965
##	7.972547e+03	8.265239e+03	6.701201e+03	7.160318e+03	5.995143e+03
##	14966	14967	14968	14969	14970
##	5.977716e+03	6.029817e+03	6.383704e+03	6.471604e+03	6.050271e+03
##	14971	14972	14973	14974	14975
##	6.330661e+03	5.940008e+03	6.758076e+03	7.861703e+03	7.223572e+03
##	14976	14977	14978	14979	14980
##	6.677640e+03	6.834061e+03	6.281331e+03	6.764300e+03	6.839846e+03
##	14981	14982	14983	14984	14985
##	6.218587e+03	6.184445e+03	6.441697e+03	6.251601e+03	6.126208e+03
##	14986	14987	14988	14989	14990
##	5.876218e+03	6.118433e+03	6.026231e+03	6.669647e+03	5.870235e+03
##	14991	14992	14993	14994	14995
##	5.537795e+03	7.494864e+03	5.777010e+03	5.710817e+03	6.076276e+03
##	14996	14997	14998	14999	15000
##	6.624643e+03	6.537793e+03	6.566522e+03	7.125730e+03	5.269855e+03
##	15001	15002	15003	15004	15005

##	6.395307e+03	6.280123e+03	6.309717e+03	6.493383e+03	5.924182e+03
##	15006	15007	15008	15009	15010
##	6.977810e+03	6.752918e+03	6.942616e+03	6.824376e+03	6.836387e+03
##	15011	15012	15013	15014	15015
##	6.968928e+03	8.951025e+03	8.951025e+03	6.021493e+03	6.345546e+03
##	15016	15017	15018	15019	15020
##	5.986392e+03	6.059471e+03	5.948397e+03	5.817722e+03	7.320426e+03
##	15021	15022	15023	15024	15025
##	6.259066e+03	5.840480e+03	5.902901e+03	5.881121e+03	5.839893e+03
##	15026	15027	15028	15029	15030
##	7.130638e+03	5.755414e+03	7.635169e+03	5.795482e+03	5.903144e+03
##	15031	15032	15033	15034	15035
##	6.176539e+02	4.816027e+02	5.650522e+02	3.272101e+02	4.530217e+02
##	15036	15037	15038	15039	15040
##	5.452678e+02	3.715067e+02	3.112589e+02	5.637944e+02	4.206360e+02
##	15041	15042	15043	15044	15045
##	4.806754e+02	6.411404e+02	3.406408e+02	2.706458e+02	3.720796e+02
##	15046	15047	15048	15049	15050
##	4.938900e+02	5.384821e+02	3.773156e+02	6.772202e+02	5.124580e+02
##	15051	15052	15053	15054	15055
##	4.943592e+02	6.907691e+02	4.197814e+02	5.212808e+02	3.619009e+02
##	15056	15057	15058	15059	15060
##	4.112611e+02	6.475717e+02	5.221413e+02	3.265101e+02	4.352910e+02
##	15061	15062	15063	15064	15065
##	6.310287e+03	6.131135e+03	6.446740e+03	6.178190e+03	7.156592e+03
##	15066	15067	15068	15069	15070
##	6.368056e+03	6.438068e+03	7.703311e+03	6.068909e+03	5.916370e+03
##	15071	15072	15073	15074	15075
##	6.084912e+03	6.220322e+03	6.052973e+03	6.694406e+03	5.909515e+03
##	15076	15077	15078	15079	15080
##	6.195436e+03	6.446876e+03	5.942626e+03	5.302700e+03	6.458382e+03
##	15081	15082	15083	15084	15085
##	6.149302e+03	6.653216e+03	6.087055e+03	6.393919e+03	6.308133e+03
##	15086	15087	15088	15089	15090
##	6.509216e+03	6.207467e+03	6.499088e+03	5.715217e+03	6.278771e+03
##	15091	15092	15093	15094	15095
##	6.505740e+03	6.199391e+03	6.530119e+03	6.458338e+03	6.201026e+03
##	15096	15097	15098	15099	15100
##	5.877621e+03	6.712742e+03	6.733170e+03	6.885438e+03	6.305217e+03
##	15101	15102	15103	15104	15105
##	8.854189e+03	6.339333e+03	6.359398e+03	7.200159e+03	6.887880e+03
##	15106	15107	15108	15109	15110
##	6.805979e+03	6.542151e+03	6.436929e+03	6.265936e+03	6.177370e+03
##	15111	15112	15113	15114	15115
##	6.997892e+03	5.899129e+03	5.955943e+03	5.609062e+03	6.527295e+03
##	15116	15117	15118	15119	15120
##	6.129075e+03	5.893130e+03	6.615957e+03	7.259972e+03	6.842298e+03
##	15121	15122	15123	15124	15125
##	6.691584e+03	6.347995e+03	6.598238e+03	6.607124e+03	6.560632e+03
##	15126	15127	15128	15129	15130
##	8.703372e+03	6.978133e+03	5.865126e+03	5.727099e+03	6.442708e+03
##	15131	15132	15133	15134	15135
##	6.212781e+03	6.447630e+03	7.119515e+03	7.181220e+03	6.791597e+03
##	15136	15137	15138	15139	15140

##	6.442924e+03	6.991940e+03	7.150346e+03	8.636805e+03	7.812418e+03
##	15141	15142	15143	15144	15145
##	6.747882e+03	6.034996e+03	6.072323e+03	7.149537e+03	6.120508e+03
##	15146	15147	15148	15149	15150
##	6.603793e+03	6.696136e+03	7.479497e+03	5.988995e+03	6.774469e+03
##	15151	15152	15153	15154	15155
##	5.460214e+03	1.105743e+04	6.066713e+03	5.783968e+03	6.457244e+03
##	15156	15157	15158	15159	15160
##	8.561493e+03	6.925437e+03	6.366391e+03	6.039108e+03	6.314822e+03
##	15161	15162	15163	15164	15165
##	6.780210e+03	6.683930e+03	8.973418e+03	7.063748e+03	8.298422e+03
##	15166	15167	15168	15169	15170
##	6.316326e+03	5.828668e+03	6.505439e+03	5.899926e+03	6.187661e+03
##	15171	15172	15173	15174	15175
##	6.118998e+03	6.195365e+03	6.187550e+03	6.119655e+03	6.221865e+03
##	15176	15177	15178	15179	15180
##	6.151137e+03	6.131272e+03	6.171561e+03	6.181953e+03	5.954316e+03
##	15181	15182	15183	15184	15185
##	6.138757e+03	6.274685e+03	6.372635e+03	5.936621e+03	6.316497e+03
##	15186	15187	15188	15189	15190
##	7.413777e+03	6.519743e+03	5.857397e+03	5.763190e+03	6.510795e+03
##	15191	15192	15193	15194	15195
##	7.601403e+03	6.613645e+03	7.193877e+03	6.530796e+03	6.245969e+03
##	15196	15197	15198	15199	15200
##	5.172299e+03	6.954490e+03	6.054734e+03	6.105190e+03	6.542602e+03
##	15201	15202	15203	15204	15205
##	6.326043e+03	6.660322e+03	6.034280e+03	5.898999e+03	5.970227e+03
##	15206	15207	15208	15209	15210
##	6.106353e+03	6.000197e+03	5.884215e+03	5.982733e+03	6.105288e+03
##	15211	15212	15213	15214	15215
##	6.065735e+03	6.083932e+03	5.983093e+03	5.880889e+03	8.184070e+03
##	15216	15217	15218	15219	15220
##	6.016836e+03	5.948768e+03	5.985810e+03	5.810448e+03	6.675906e+03
##	15221	15222	15223	15224	15225
##	6.880651e+03	6.845743e+03	6.487500e+03	8.039563e+03	6.228080e+03
##	15226	15227	15228	15229	15230
##	7.067435e+03	7.174720e+03	6.309270e+03	6.195602e+03	6.327842e+03
##	15231	15232	15233	15234	15235
##	8.123253e+03	6.133237e+03	6.147549e+03	5.542922e+03	5.654518e+03
##	15236	15237	15238	15239	15240
##	6.845814e+03	6.174327e+03	6.203530e+03	7.329719e+03	6.992846e+03
##	15241	15242	15243	15244	15245
##	7.459111e+03	6.791414e+03	6.652084e+03	6.623168e+03	6.811583e+03
##	15246	15247	15248	15249	15250
##	7.246380e+03	6.265384e+03	6.251733e+03	5.821127e+03	6.360158e+03
##	15251	15252	15253	15254	15255
##	5.794753e+03	6.767593e+03	7.676438e+03	6.756167e+03	7.595078e+03
##	15256	15257	15258	15259	15260
##	6.391503e+03	7.452543e+03	5.870835e+03	8.333061e+03	7.062069e+03
##	15261	15262	15263	15264	15265
##	6.249530e+03	6.569423e+03	5.944449e+03	7.957701e+03	6.576280e+03
##	15266	15267	15268	15269	15270
##	6.590590e+03	6.614310e+03	6.639330e+03	6.670991e+03	6.449262e+03
##	15271	15272	15273	15274	15275

##	6.241235e+03	5.703730e+03	6.899552e+03	8.497669e+03	6.045197e+03
##	15276	15277	15278	15279	15280
##	6.066523e+03	6.747663e+03	5.828893e+03	6.117862e+03	8.046580e+03
##	15281	15282	15283	15284	15285
##	6.733363e+03	5.880857e+03	5.480085e+03	6.630453e+03	6.729101e+03
##	15286	15287	15288	15289	15290
##	6.722499e+03	7.126418e+03	7.463262e+03	6.923184e+03	8.107062e+03
##	15291	15292	15293	15294	15295
##	6.876331e+03	6.142611e+03	6.681092e+03	7.478310e+03	7.219263e+03
##	15296	15297	15298	15299	15300
##	6.585719e+03	6.799458e+03	6.957372e+03	6.889971e+03	6.923900e+03
##	15301	15302	15303	15304	15305
##	6.910880e+03	7.312324e+03	6.123671e+03	5.532981e+03	7.201061e+03
##	15306	15307	15308	15309	15310
##	7.114772e+03	7.516121e+03	6.245908e+03	6.650641e+03	6.573179e+03
##	15311	15312	15313	15314	15315
##	6.182697e+03	6.138377e+03	8.324989e+03	9.199062e+03	7.068458e+03
##	15316	15317	15318	15319	15320
##	7.826742e+03	7.356298e+03	7.356298e+03	6.947925e+03	1.146202e+04
##	15321	15322	15323	15324	15325
##	7.509867e+03	6.329141e+03	6.303506e+03	6.281018e+03	6.101895e+03
##	15326	15327	15328	15329	15330
##	7.556462e+03	6.824550e+03	6.381940e+03	6.620434e+03	6.260761e+03
##	15331	15332	15333	15334	15335
##	6.926917e+03	7.331350e+03	6.535206e+03	6.100356e+03	7.259906e+03
##	15336	15337	15338	15339	15340
##	6.041627e+03	6.133100e+03	6.230172e+03	6.153833e+03	6.187240e+03
##	15341	15342	15343	15344	15345
##	6.253004e+03	6.032500e+03	6.222410e+03	6.249941e+03	6.149538e+03
##	15346	15347	15348	15349	15350
##	6.452199e+03	6.401870e+03	5.862525e+03	7.303443e+03	6.090421e+03
##	15351	15352	15353	15354	15355
##	7.248157e+03	6.275108e+03	6.298395e+03	6.972325e+03	6.171057e+03
##	15356	15357	15358	15359	15360
##	6.855146e+03	6.405216e+03	6.162330e+03	6.003555e+03	6.210596e+03
##	15361	15362	15363	15364	15365
##	5.138792e+02	5.911839e+02	4.937173e+02	6.777478e+02	3.228535e+02
##	15366	15367	15368	15369	15370
##	5.481774e+02	4.841569e+02	5.743090e+02	4.673846e+02	4.068227e+02
##	15371	15372	15373	15374	15375
##	3.763393e+02	5.833247e+02	9.168614e+02	-6.780683e+02	1.962067e+01
##	15376	15377	15378	15379	15380
##	-5.749095e+02	-1.103201e+03	-8.780204e+02	-1.305242e+03	8.339538e+01
##	15381	15382	15383	15384	15385
##	8.142067e+02	8.881584e+02	-1.085584e+03	5.029245e+02	9.999671e+02
##	15386	15387	15388	15389	15390
##	9.231907e+02	8.925831e+02	9.030972e+02	9.259654e+02	4.695632e+02
##	15391	15392	15393	15394	15395
##	7.593376e+03	6.421101e+03	6.442685e+03	7.103197e+03	7.084990e+03
##	15396	15397	15398	15399	15400
##	6.675074e+03	5.817886e+03	6.059135e+03	6.829509e+03	6.181704e+03
##	15401	15402	15403	15404	15405
##	6.034018e+03	6.032865e+03	6.114392e+03	6.026373e+03	6.027262e+03
##	15406	15407	15408	15409	15410

##	6.164075e+03	6.094840e+03	6.239058e+03	7.305621e+03	7.302207e+03
##	15411	15412	15413	15414	15415
##	7.173921e+03	6.692531e+03	8.186080e+03	7.055250e+03	6.006892e+03
##	15416	15417	15418	15419	15420
##	6.181756e+03	7.672759e+03	6.564091e+03	7.476325e+03	6.170490e+03
##	15421	15422	15423	15424	15425
##	5.615056e+03	6.418153e+03	6.337173e+03	6.288851e+03	5.847085e+03
##	15426	15427	15428	15429	15430
##	6.415591e+03	6.391687e+03	6.293196e+03	6.292757e+03	7.581272e+03
##	15431	15432	15433	15434	15435
##	6.315968e+03	5.975117e+03	6.460696e+03	5.840542e+03	6.804008e+03
##	15436	15437	15438	15439	15440
##	6.741877e+03	6.333980e+03	7.948050e+03	6.288147e+03	7.996363e+03
##	15441	15442	15443	15444	15445
##	6.387430e+03	5.929556e+03	6.093785e+03	5.916157e+03	5.995054e+03
##	15446	15447	15448	15449	15450
##	6.533094e+03	6.567376e+03	6.416572e+03	5.866185e+03	7.379566e+03
##	15451	15452	15453	15454	15455
##	6.865785e+03	7.209512e+03	5.958402e+03	7.121222e+03	7.342806e+03
##	15456	15457	15458	15459	15460
##	7.342806e+03	6.279345e+03	6.166309e+03	6.379088e+03	7.248191e+03
##	15461	15462	15463	15464	15465
##	7.530323e+03	6.863286e+03	6.722882e+03	6.079288e+03	7.084456e+03
##	15466	15467	15468	15469	15470
##	5.987808e+03	6.676755e+03	6.814602e+03	5.944828e+03	9.282327e+03
##	15471	15472	15473	15474	15475
##	9.932918e+03	5.732133e+03	6.175842e+03	5.824402e+03	6.331413e+03
##	15476	15477	15478	15479	15480
##	7.138264e+03	6.583107e+03	6.916586e+03	6.095256e+03	7.607377e+03
##	15481	15482	15483	15484	15485
##	6.087325e+03	6.292789e+03	6.455135e+03	9.080768e+03	6.862266e+03
##	15486	15487	15488	15489	15490
##	7.881408e+03	6.621350e+03	5.986002e+03	6.266142e+03	5.948025e+03
##	15491	15492	15493	15494	15495
##	6.289112e+03	6.953474e+03	5.529994e+03	5.880431e+03	5.793406e+03
##	15496	15497	15498	15499	15500
##	6.584590e+03	7.142203e+03	6.211797e+03	6.202356e+03	7.345028e+03
##	15501	15502	15503	15504	15505
##	5.895906e+03	5.879739e+03	8.178460e+03	7.047961e+03	7.177318e+03
##	15506	15507	15508	15509	15510
##	7.352293e+03	5.482947e+03	6.427360e+03	6.248171e+03	5.991464e+03
##	15511	15512	15513	15514	15515
##	6.494906e+03	6.218411e+03	8.183372e+03	6.977935e+03	6.234236e+03
##	15516	15517	15518	15519	15520
##	6.913775e+03	8.285216e+03	5.947212e+03	6.941904e+03	6.407341e+03
##	15521	15522	15523	15524	15525
##	6.280897e+03	6.257444e+03	6.376402e+03	6.227079e+03	6.219516e+03
##	15526	15527	15528	15529	15530
##	6.158936e+03	6.183052e+03	6.141971e+03	6.767046e+03	6.614834e+03
##	15531	15532	15533	15534	15535
##	5.968816e+03	7.958133e+03	6.539535e+03	6.892621e+03	6.049426e+03
##	15536	15537	15538	15539	15540
##	9.025464e+03	8.814228e+03	6.215042e+03	6.194811e+03	6.819811e+03
##	15541	15542	15543	15544	15545

##	6.751961e+03	6.169266e+03	6.287232e+03	6.149392e+03	5.725240e+03
##	15546	15547	15548	15549	15550
##	6.650475e+03	6.755525e+03	6.225491e+03	6.730799e+03	5.998750e+03
##	15551	15552	15553	15554	15555
##	7.173916e+03	6.662535e+03	6.898201e+03	7.467316e+03	7.566640e+03
##	15556	15557	15558	15559	15560
##	6.703094e+03	5.883481e+03	8.050522e+03	6.365792e+03	6.584304e+03
##	15561	15562	15563	15564	15565
##	6.301435e+03	6.270599e+03	6.362631e+03	6.139100e+03	6.406411e+03
##	15566	15567	15568	15569	15570
##	6.528708e+03	6.238256e+03	5.883376e+03	6.270072e+03	6.251616e+03
##	15571	15572	15573	15574	15575
##	6.191003e+03	9.387156e+03	9.477080e+03	7.666237e+03	6.170693e+03
##	15576	15577	15578	15579	15580
##	6.042547e+03	6.744989e+03	6.110861e+03	6.192397e+03	6.105428e+03
##	15581	15582	15583	15584	15585
##	6.017010e+03	5.637858e+03	7.200678e+03	7.317215e+03	7.024216e+03
##	15586	15587	15588	15589	15590
##	6.518417e+03	8.467259e+03	7.685709e+03	7.756814e+03	7.300553e+03
##	15591	15592	15593	15594	15595
##	7.087197e+03	6.233370e+03	5.400672e+03	8.432093e+03	7.160346e+03
##	15596	15597	15598	15599	15600
##	7.092564e+03	7.593080e+03	7.148558e+03	6.162310e+03	6.261325e+03
##	15601	15602	15603	15604	15605
##	6.694575e+03	6.042535e+03	6.717438e+03	6.098664e+03	7.040177e+03
##	15606	15607	15608	15609	15610
##	7.760317e+03	7.350944e+03	7.396194e+03	7.541225e+03	6.782607e+03
##	15611	15612	15613	15614	15615
##	8.168368e+03	6.283551e+03	6.368519e+03	6.589860e+03	6.133956e+03
##	15616	15617	15618	15619	15620
##	6.715262e+03	5.111954e+03	6.265099e+03	8.836366e+03	9.083423e+03
##	15621	15622	15623	15624	15625
##	6.039058e+03	6.162740e+03	5.678152e+03	5.551171e+03	5.908809e+03
##	15626	15627	15628	15629	15630
##	5.802677e+03	5.350802e+03	6.224413e+03	6.241517e+03	6.213341e+03
##	15631	15632	15633	15634	15635
##	6.270614e+03	6.026793e+03	6.077744e+03	6.217057e+03	5.381811e+03
##	15636	15637	15638	15639	15640
##	6.523024e+03	6.164562e+03	6.102564e+03	6.186425e+03	6.134010e+03
##	15641	15642	15643	15644	15645
##	6.985338e+03	5.892848e+03	9.413901e+03	6.035555e+03	6.043126e+03
##	15646	15647	15648	15649	15650
##	6.040538e+03	5.970364e+03	6.243313e+03	6.501763e+03	6.749798e+03
##	15651	15652	15653	15654	15655
##	6.678292e+03	5.425520e+03	6.977190e+03	8.351703e+03	7.328741e+03
##	15656	15657	15658	15659	15660
##	6.395390e+03	6.416974e+03	7.184206e+03	5.508757e+03	7.225208e+03
##	15661	15662	15663	15664	15665
##	6.050208e+03	7.572387e+03	6.796257e+03	6.571667e+03	6.129661e+03
##	15666	15667	15668	15669	15670
##	7.251314e+03	6.214403e+03	6.802916e+03	6.169054e+03	5.376812e+03
##	15671	15672	15673	15674	15675
##	6.954589e+03	6.370244e+03	6.365603e+03	6.227162e+03	6.232463e+03
##	15676	15677	15678	15679	15680

##	6.205739e+03	6.872618e+03	7.122031e+03	6.417040e+03	6.169225e+03
##	15681	15682	15683	15684	15685
##	6.162962e+03	7.319481e+03	6.006512e+03	6.245661e+03	1.355633e+04
##	15686	15687	15688	15689	15690
##	7.097179e+03	7.087757e+03	7.749597e+03	6.361151e+03	6.252042e+03
##	15691	15692	15693	15694	15695
##	9.282013e+02	9.919636e+02	9.530409e+02	4.830361e+02	4.836162e+02
##	15696	15697	15698	15699	15700
##	9.992345e+02	1.034157e+03	2.913865e+02	8.451357e+02	8.394676e+02
##	15701	15702	15703	15704	15705
##	8.415298e+02	-1.270153e+02	6.248692e+02	7.365273e+02	7.742749e+02
##	15706	15707	15708	15709	15710
##	7.051203e+02	8.250783e+02	8.648601e+02	7.814218e+02	8.011102e+02
##	15711	15712	15713	15714	15715
##	8.442622e+02	8.048365e+02	1.017609e+02	2.457318e+02	-9.179225e+02
##	15716	15717	15718	15719	15720
##	-1.014175e+03	-9.392297e+02	-9.384999e+02	-3.474499e+02	-3.947899e+02
##	15721	15722	15723	15724	15725
##	6.391561e+03	6.358610e+03	6.116795e+03	6.374876e+03	6.329166e+03
##	15726	15727	15728	15729	15730
##	6.296513e+03	6.209120e+03	5.951161e+03	7.548420e+03	7.861478e+03
##	15731	15732	15733	15734	15735
##	5.188081e+03	7.794460e+03	6.659904e+03	7.203513e+03	5.961195e+03
##	15736	15737	15738	15739	15740
##	7.318809e+03	6.161670e+03	6.101112e+03	6.116658e+03	6.142766e+03
##	15741	15742	15743	15744	15745
##	5.969464e+03	6.442673e+03	6.002116e+03	5.959164e+03	6.098611e+03
##	15746	15747	15748	15749	15750
##	6.025694e+03	6.796823e+03	6.153228e+03	6.835249e+03	6.640747e+03
##	15751	15752	15753	15754	15755
##	7.235263e+03	6.237887e+03	9.241541e+03	6.694268e+03	5.851390e+03
##	15756	15757	15758	15759	15760
##	5.833213e+03	6.758754e+03	9.076081e+03	6.696693e+03	6.088187e+03
##	15761	15762	15763	15764	15765
##	6.408534e+03	6.926389e+03	7.398041e+03	7.096556e+03	5.821130e+03
##	15766	15767	15768	15769	15770
##	6.862689e+03	6.373735e+03	5.378520e+03	6.681756e+03	6.389730e+03
##	15771	15772	15773	15774	15775
##	6.989624e+03	7.789890e+03	7.535547e+03	6.355443e+03	7.553888e+03
##	15776	15777	15778	15779	15780
##	6.906989e+03	6.247010e+03	6.894159e+03	9.500483e+03	6.814239e+03
##	15781	15782	15783	15784	15785
##	6.151663e+03	1.055649e+04	6.106679e+03	7.664718e+03	6.151889e+03
##	15786	15787	15788	15789	15790
##	7.886234e+03	6.831475e+03	6.010381e+03	6.632588e+03	6.054379e+03
##	15791	15792	15793	15794	15795
##	6.769754e+03	7.949223e+03	7.223716e+03	7.148140e+03	1.023871e+04
##	15796	15797	15798	15799	15800
##	6.765724e+03	7.554441e+03	7.142367e+03	7.544287e+03	7.111667e+03
##	15801	15802	15803	15804	15805
##	7.754736e+03	6.856474e+03	6.786561e+03	7.454883e+03	6.975430e+03
##	15806	15807	15808	15809	15810
##	6.573480e+03	5.762987e+03	7.123367e+03	6.432185e+03	6.364666e+03
##	15811	15812	15813	15814	15815

##	6.342031e+03	7.372410e+03	6.977935e+03	6.208669e+03	6.177697e+03
##	15816	15817	15818	15819	15820
##	1.131976e+04	6.338813e+03	5.641262e+03	6.087772e+03	5.987600e+03
##	15821	15822	15823	15824	15825
##	6.107607e+03	6.267824e+03	6.001148e+03	6.820592e+03	5.911135e+03
##	15826	15827	15828	15829	15830
##	6.226908e+03	7.272559e+03	6.185480e+03	6.290631e+03	7.286544e+03
##	15831	15832	15833	15834	15835
##	7.108612e+03	7.105949e+03	6.325508e+03	7.203020e+03	6.162695e+03
##	15836	15837	15838	15839	15840
##	6.224341e+03	6.160653e+03	6.248639e+03	6.233939e+03	6.313007e+03
##	15841	15842	15843	15844	15845
##	6.247104e+03	6.430887e+03	8.777606e+03	7.936695e+03	5.670933e+03
##	15846	15847	15848	15849	15850
##	6.974460e+03	6.156912e+03	6.100449e+03	6.092266e+03	8.502512e+03
##	15851	15852	15853	15854	15855
##	7.564751e+03	6.361694e+03	6.467021e+03	5.850026e+03	9.413457e+03
##	15856	15857	15858	15859	15860
##	8.725693e+03	8.483619e+03	6.689127e+03	6.608753e+03	6.481000e+03
##	15861	15862	15863	15864	15865
##	6.425688e+03	1.060602e+04	6.334754e+03	5.761587e+03	5.745717e+03
##	15866	15867	15868	15869	15870
##	1.062251e+04	1.062865e+04	5.753993e+03	5.880508e+03	6.379601e+03
##	15871	15872	15873	15874	15875
##	6.378573e+03	6.004925e+03	7.229208e+03	6.268409e+03	6.548761e+03
##	15876	15877	15878	15879	15880
##	9.654398e+03	7.218699e+03	6.469659e+03	7.383209e+03	6.662380e+03
##	15881	15882	15883	15884	15885
##	5.844510e+03	6.725150e+03	6.161583e+03	6.087898e+03	6.136038e+03
##	15886	15887	15888	15889	15890
##	6.185333e+03	6.738986e+03	6.260251e+03	5.403975e+03	6.332095e+03
##	15891	15892	15893	15894	15895
##	6.250242e+03	6.255367e+03	6.108564e+03	6.716843e+03	6.510353e+03
##	15896	15897	15898	15899	15900
##	7.454803e+03	6.838994e+03	7.169498e+03	6.533644e+03	6.568805e+03
##	15901	15902	15903	15904	15905
##	6.644788e+03	6.565735e+03	6.568372e+03	6.216589e+03	7.304024e+03
##	15906	15907	15908	15909	15910
##	1.214745e+04	6.114399e+03	5.841354e+03	6.371681e+03	6.532005e+03
##	15911	15912	15913	15914	15915
##	6.401536e+03	6.000291e+03	6.834012e+03	7.063999e+03	6.174687e+03
##	15916	15917	15918	15919	15920
##	7.908512e+03	6.342918e+03	7.736457e+03	5.695750e+03	7.064778e+03
##	15921	15922	15923	15924	15925
##	5.632225e+03	8.273035e+03	6.273030e+03	7.171260e+03	8.264358e+03
##	15926	15927	15928	15929	15930
##	6.236739e+03	6.223197e+03	6.496890e+03	6.834471e+03	7.323128e+03
##	15931	15932	15933	15934	15935
##	5.792547e+03	6.628150e+03	6.549815e+03	6.800777e+03	6.931757e+03
##	15936	15937	15938	15939	15940
##	7.128928e+03	6.892167e+03	7.379935e+03	7.681528e+03	6.251207e+03
##	15941	15942	15943	15944	15945
##	1.078255e+04	1.153506e+04	5.965564e+03	8.745236e+03	6.744175e+03
##	15946	15947	15948	15949	15950

##	6.312266e+03	6.148960e+03	7.485319e+03	7.072445e+03	7.130755e+03
##	15951	15952	15953	15954	15955
##	6.574116e+03	1.367118e+04	6.135196e+03	7.797309e+03	7.162597e+03
##	15956	15957	15958	15959	15960
##	8.683518e+03	5.835480e+03	6.701376e+03	6.789904e+03	6.773173e+03
##	15961	15962	15963	15964	15965
##	6.899643e+03	6.835864e+03	6.733505e+03	6.916878e+03	5.843505e+03
##	15966	15967	15968	15969	15970
##	6.510123e+03	6.230259e+03	6.270769e+03	8.258237e+03	5.718309e+03
##	15971	15972	15973	15974	15975
##	6.793865e+03	6.377179e+03	9.288202e+03	7.972841e+03	6.735185e+03
##	15976	15977	15978	15979	15980
##	7.842880e+03	5.616878e+03	7.711206e+03	7.880744e+03	6.426693e+03
##	15981	15982	15983	15984	15985
##	5.572546e+03	6.399383e+03	6.381368e+03	5.985883e+03	6.022774e+03
##	15986	15987	15988	15989	15990
##	5.944270e+03	6.436366e+03	6.346849e+03	6.072815e+03	6.074327e+03
##	15991	15992	15993	15994	15995
##	6.315923e+03	6.352329e+03	6.548367e+03	6.783593e+03	5.875509e+03
##	15996	15997	15998	15999	16000
##	6.607148e+03	6.161231e+03	7.551817e+03	6.690465e+03	6.943179e+03
##	16001	16002	16003	16004	16005
##	8.648029e+03	7.483875e+03	7.732873e+03	6.631866e+03	6.448450e+03
##	16006	16007	16008	16009	16010
##	7.482077e+03	6.781009e+03	6.511767e+03	6.038452e+03	7.442078e+03
##	16011	16012	16013	16014	16015
##	6.892288e+03	5.937253e+03	6.021170e+03	7.628280e+03	6.583011e+03
##	16016	16017	16018	16019	16020
##	6.101059e+03	6.270884e+03	7.384224e+03	6.210179e+03	6.242651e+03
##	16021	16022	16023	16024	16025
##	-4.122896e+02	-4.528066e+02	-4.804773e+02	-3.657033e+02	-4.007350e+02
##	16026	16027	16028	16029	16030
##	-4.851673e+02	-4.681086e+02	-4.511949e+02	-5.256909e+02	-3.601314e+02
##	16031	16032	16033	16034	16035
##	-4.395536e+02	-4.839381e+02	-4.831069e+02	-5.323585e+02	-4.898419e+02
##	16036	16037	16038	16039	16040
##	-4.270351e+02	-5.098393e+02	-5.587948e+02	-5.687983e+02	-7.262549e+02
##	16041	16042	16043	16044	16045
##	-5.807239e+02	-3.591214e+02	-3.667783e+02	-1.974219e+02	-3.584769e+02
##	16046	16047	16048	16049	16050
##	-3.153421e+02	-3.367938e+02	-3.583355e+02	-3.594703e+02	-3.209476e+02
##	16051	16052	16053	16054	16055
##	6.552185e+03	6.060418e+03	6.348730e+03	7.079275e+03	6.391029e+03
##	16056	16057	16058	16059	16060
##	6.666991e+03	6.649026e+03	7.749156e+03	6.037294e+03	6.412897e+03
##	16061	16062	16063	16064	16065
##	6.250376e+03	5.960919e+03	6.185008e+03	6.193256e+03	6.227962e+03
##	16066	16067	16068	16069	16070
##	6.290489e+03	7.245311e+03	7.267169e+03	7.246548e+03	6.182447e+03
##	16071	16072	16073	16074	16075
##	6.098300e+03	6.217498e+03	6.216605e+03	7.325563e+03	6.959074e+03
##	16076	16077	16078	16079	16080
##	7.342888e+03	6.343044e+03	7.028549e+03	7.344727e+03	6.918373e+03
##	16081	16082	16083	16084	16085

##	7.309988e+03	6.300378e+03	6.237596e+03	7.578361e+03	4.940968e+03
##	16086	16087	16088	16089	16090
##	6.265832e+03	5.668682e+03	6.453499e+03	6.965283e+03	6.235512e+03
##	16091	16092	16093	16094	16095
##	7.370217e+03	7.317497e+03	6.730415e+03	6.151357e+03	6.215090e+03
##	16096	16097	16098	16099	16100
##	7.198005e+03	7.506533e+03	7.142412e+03	7.335148e+03	7.117604e+03
##	16101	16102	16103	16104	16105
##	5.222262e+03	7.495175e+03	7.754736e+03	6.616789e+03	6.132218e+03
##	16106	16107	16108	16109	16110
##	6.129038e+03	6.139526e+03	7.010950e+03	6.397251e+03	6.572756e+03
##	16111	16112	16113	16114	16115
##	8.249733e+03	7.480066e+03	6.823359e+03	8.914299e+03	6.275605e+03
##	16116	16117	16118	16119	16120
##	5.762173e+03	6.289875e+03	7.419618e+03	7.462154e+03	7.706873e+03
##	16121	16122	16123	16124	16125
##	7.456877e+03	8.255509e+03	7.321517e+03	8.544734e+03	5.690707e+03
##	16126	16127	16128	16129	16130
##	6.019042e+03	6.882409e+03	5.929897e+03	6.230928e+03	6.538303e+03
##	16131	16132	16133	16134	16135
##	6.770299e+03	7.350715e+03	5.991420e+03	5.937132e+03	7.271012e+03
##	16136	16137	16138	16139	16140
##	6.127719e+03	7.475077e+03	6.557498e+03	6.285362e+03	6.737610e+03
##	16141	16142	16143	16144	16145
##	5.954280e+03	7.192486e+03	7.457219e+03	6.569126e+03	6.504427e+03
##	16146	16147	16148	16149	16150
##	5.871029e+03	7.190854e+03	6.959986e+03	6.267924e+03	7.914746e+03
##	16151	16152	16153	16154	16155
##	7.901260e+03	7.603904e+03	6.876739e+03	5.320906e+03	6.451488e+03
##	16156	16157	16158	16159	16160
##	6.351516e+03	7.257246e+03	7.835924e+03	9.007002e+03	8.529408e+03
##	16161	16162	16163	16164	16165
##	6.807768e+03	7.509783e+03	7.525448e+03	7.434405e+03	6.895712e+03
##	16166	16167	16168	16169	16170
##	6.146649e+03	6.419928e+03	6.202445e+03	6.179750e+03	7.555553e+03
##	16171	16172	16173	16174	16175
##	7.530733e+03	7.007316e+03	5.964210e+03	6.318529e+03	6.327679e+03
##	16176	16177	16178	16179	16180
##	6.110791e+03	6.489631e+03	6.404930e+03	6.429253e+03	7.150606e+03
##	16181	16182	16183	16184	16185
##	6.131071e+03	6.057362e+03	8.004845e+03	6.729975e+03	6.054608e+03
##	16186	16187	16188	16189	16190
##	7.365471e+03	7.426316e+03	6.599524e+03	8.504224e+03	6.725861e+03
##	16191	16192	16193	16194	16195
##	6.605738e+03	6.624041e+03	6.563019e+03	6.624430e+03	6.529846e+03
##	16196	16197	16198	16199	16200
##	6.492930e+03	6.756554e+03	7.443500e+03	7.367575e+03	7.091966e+03
##	16201	16202	16203	16204	16205
##	7.258933e+03	6.592149e+03	6.202147e+03	7.058346e+03	7.951671e+03
##	16206	16207	16208	16209	16210
##	6.356453e+03	6.450074e+03	6.253947e+03	6.367132e+03	6.076213e+03
##	16211	16212	16213	16214	16215
##	6.428300e+03	6.405176e+03	6.440828e+03	6.297843e+03	6.791657e+03
##	16216	16217	16218	16219	16220

##	6.940131e+03	7.345818e+03	6.831278e+03	6.490437e+03	6.840837e+03
##	16221	16222	16223	16224	16225
##	6.351102e+03	6.721644e+03	6.462030e+03	6.476445e+03	6.355821e+03
##	16226	16227	16228	16229	16230
##	6.531597e+03	7.373650e+03	6.222850e+03	6.254171e+03	6.201071e+03
##	16231	16232	16233	16234	16235
##	7.164712e+03	7.307277e+03	7.342142e+03	7.258897e+03	7.014793e+03
##	16236	16237	16238	16239	16240
##	7.587992e+03	6.710576e+03	7.414068e+03	7.751611e+03	7.033687e+03
##	16241	16242	16243	16244	16245
##	6.277032e+03	6.284185e+03	6.284398e+03	6.129545e+03	6.304299e+03
##	16246	16247	16248	16249	16250
##	6.143183e+03	6.369505e+03	6.304446e+03	6.441191e+03	6.239970e+03
##	16251	16252	16253	16254	16255
##	7.220073e+03	7.221954e+03	6.296042e+03	5.661281e+03	7.199272e+03
##	16256	16257	16258	16259	16260
##	8.826186e+03	1.118921e+04	6.900794e+03	7.002248e+03	6.387234e+03
##	16261	16262	16263	16264	16265
##	6.696347e+03	6.738330e+03	7.194652e+03	6.099384e+03	6.734820e+03
##	16266	16267	16268	16269	16270
##	6.400528e+03	6.624686e+03	8.359430e+03	6.780128e+03	6.780128e+03
##	16271	16272	16273	16274	16275
##	7.313348e+03	6.074482e+03	6.432261e+03	7.651005e+03	6.358262e+03
##	16276	16277	16278	16279	16280
##	7.502722e+03	8.587905e+03	9.799148e+03	7.942305e+03	6.791071e+03
##	16281	16282	16283	16284	16285
##	6.163114e+03	6.632375e+03	8.700437e+03	2.071169e+04	7.425908e+03
##	16286	16287	16288	16289	16290
##	5.796461e+03	6.190822e+03	6.189310e+03	6.316439e+03	6.057914e+03
##	16291	16292	16293	16294	16295
##	6.221168e+03	6.057445e+03	7.073009e+03	6.102701e+03	6.733092e+03
##	16296	16297	16298	16299	16300
##	6.655046e+03	9.072674e+03	6.137483e+03	8.996838e+03	6.284758e+03
##	16301	16302	16303	16304	16305
##	6.291528e+03	6.284794e+03	6.078558e+03	8.037602e+03	6.480086e+03
##	16306	16307	16308	16309	16310
##	7.163048e+03	7.208420e+03	7.094907e+03	7.205504e+03	6.413506e+03
##	16311	16312	16313	16314	16315
##	6.380443e+03	6.297837e+03	6.187092e+03	6.210122e+03	6.118976e+03
##	16316	16317	16318	16319	16320
##	6.663290e+03	6.722760e+03	6.791396e+03	7.470311e+03	6.285339e+03
##	16321	16322	16323	16324	16325
##	6.757563e+03	6.643673e+03	6.600102e+03	6.704796e+03	6.846791e+03
##	16326	16327	16328	16329	16330
##	7.698263e+03	6.595740e+03	1.061058e+04	6.643004e+03	6.123120e+03
##	16331	16332	16333	16334	16335
##	6.166890e+03	6.162720e+03	6.221838e+03	6.219840e+03	6.239596e+03
##	16336	16337	16338	16339	16340
##	6.138940e+03	6.077414e+03	6.949897e+03	6.834304e+03	7.499994e+03
##	16341	16342	16343	16344	16345
##	6.877019e+03	1.278224e+04	6.257816e+03	7.269156e+03	7.609254e+03
##	16346	16347	16348	16349	16350
##	6.512701e+03	6.475445e+03	6.614417e+03	6.610678e+03	6.189253e+03
##	16351	16352	16353	16354	16355

##	-3.941117e+02	-4.117282e+02	-3.905058e+02	-3.399008e+02	-3.499834e+02
##	16356	16357	16358	16359	16360
##	-3.272114e+02	-3.472087e+02	-4.380854e+02	4.290735e+02	-3.490787e+02
##	16361	16362	16363	16364	16365
##	7.211938e+02	3.416582e+02	4.174197e+02	3.447872e+02	5.465892e+01
##	16366	16367	16368	16369	16370
##	4.444668e+02	3.026909e+02	1.238023e+02	2.389232e+02	4.084323e+02
##	16371	16372	16373	16374	16375
##	3.466682e+02	4.331532e+02	2.794348e+02	5.323764e+01	2.854347e+02
##	16376	16377	16378	16379	16380
##	1.406883e+03	1.039842e+03	1.470417e+02	1.046550e+03	1.150712e+03
##	16381	16382	16383	16384	16385
##	7.021641e+03	7.525443e+03	6.615584e+03	6.940512e+03	6.345435e+03
##	16386	16387	16388	16389	16390
##	6.938963e+03	8.226009e+03	7.134215e+03	6.168968e+03	6.592224e+03
##	16391	16392	16393	16394	16395
##	8.734971e+03	8.710951e+03	7.163384e+03	8.550503e+03	6.614069e+03
##	16396	16397	16398	16399	16400
##	7.573164e+03	7.299448e+03	6.971014e+03	7.255146e+03	7.152843e+03
##	16401	16402	16403	16404	16405
##	7.468127e+03	7.321581e+03	6.575047e+03	7.028198e+03	4.376185e+03
##	16406	16407	16408	16409	16410
##	7.234098e+03	6.668767e+03	6.284824e+03	8.076632e+03	6.325383e+03
##	16411	16412	16413	16414	16415
##	6.189379e+03	8.867869e+03	6.185119e+03	9.312487e+03	7.266866e+03
##	16416	16417	16418	16419	16420
##	7.999515e+03	6.309527e+03	7.548501e+03	7.026893e+03	6.605045e+03
##	16421	16422	16423	16424	16425
##	6.586896e+03	6.746718e+03	8.380754e+03	7.401873e+03	7.421439e+03
##	16426	16427	16428	16429	16430
##	6.554285e+03	6.706444e+03	6.381295e+03	7.039508e+03	6.500906e+03
##	16431	16432	16433	16434	16435
##	6.605745e+03	7.395039e+03	6.540061e+03	6.910586e+03	6.496178e+03
##	16436	16437	16438	16439	16440
##	6.595408e+03	6.323463e+03	6.264695e+03	7.331791e+03	1.223336e+04
##	16441	16442	16443	16444	16445
##	7.388869e+03	6.434734e+03	6.724855e+03	7.544341e+03	8.101004e+03
##	16446	16447	16448	16449	16450
##	6.669240e+03	6.754537e+03	5.629366e+03	6.157870e+03	6.638141e+03
##	16451	16452	16453	16454	16455
##	6.646371e+03	6.694025e+03	6.868378e+03	7.488692e+03	6.753063e+03
##	16456	16457	16458	16459	16460
##	6.786810e+03	8.129428e+03	6.339115e+03	7.509916e+03	7.558651e+03
##	16461	16462	16463	16464	16465
##	6.797344e+03	8.071644e+03	5.997651e+03	7.361658e+03	7.417454e+03
##	16466	16467	16468	16469	16470
##	7.404590e+03	7.768538e+03	6.298583e+03	6.266380e+03	7.763904e+03
##	16471	16472	16473	16474	16475
##	6.292695e+03	7.464181e+03	7.509484e+03	6.339715e+03	6.425487e+03
##	16476	16477	16478	16479	16480
##	7.739195e+03	7.469661e+03	7.373230e+03	6.782436e+03	7.057689e+03
##	16481	16482	16483	16484	16485
##	6.800754e+03	6.447004e+03	6.520286e+03	6.239139e+03	6.103872e+03
##	16486	16487	16488	16489	16490

##	6.543494e+03	7.486819e+03	7.367834e+03	6.798643e+03	6.588727e+03
##	16491	16492	16493	16494	16495
##	7.578061e+03	6.358941e+03	6.293506e+03	7.113584e+03	6.215413e+03
##	16496	16497	16498	16499	16500
##	6.724914e+03	1.065258e+04	6.959371e+03	6.932743e+03	7.307642e+03
##	16501	16502	16503	16504	16505
##	6.708644e+03	8.813609e+03	8.940172e+03	6.574698e+03	1.140693e+04
##	16506	16507	16508	16509	16510
##	1.138507e+04	6.394423e+03	6.800186e+03	6.192708e+03	6.368644e+03
##	16511	16512	16513	16514	16515
##	8.676739e+03	6.244988e+03	6.133382e+03	6.324200e+03	6.198796e+03
##	16516	16517	16518	16519	16520
##	6.120305e+03	6.228598e+03	6.223565e+03	6.179157e+03	6.187435e+03
##	16521	16522	16523	16524	16525
##	6.172974e+03	6.740541e+03	6.644353e+03	6.800122e+03	7.275111e+03
##	16526	16527	16528	16529	16530
##	6.390780e+03	6.421235e+03	7.372413e+03	8.676650e+03	6.435730e+03
##	16531	16532	16533	16534	16535
##	6.331336e+03	6.216053e+03	6.182135e+03	6.067770e+03	6.258371e+03
##	16536	16537	16538	16539	16540
##	6.218215e+03	6.247422e+03	7.543963e+03	6.890344e+03	6.243986e+03
##	16541	16542	16543	16544	16545
##	4.345649e+03	7.675817e+03	7.402434e+03	6.107481e+03	6.069809e+03
##	16546	16547	16548	16549	16550
##	7.764885e+03	6.888156e+03	6.213022e+03	7.662414e+03	5.977371e+03
##	16551	16552	16553	16554	16555
##	6.433568e+03	6.784353e+03	6.324780e+03	6.331630e+03	6.420494e+03
##	16556	16557	16558	16559	16560
##	6.149493e+03	6.350198e+03	8.460648e+03	7.073449e+03	8.212495e+03
##	16561	16562	16563	16564	16565
##	6.420981e+03	6.792686e+03	7.102850e+03	6.263731e+03	6.235861e+03
##	16566	16567	16568	16569	16570
##	6.281857e+03	6.233505e+03	6.390297e+03	6.092289e+03	6.410015e+03
##	16571	16572	16573	16574	16575
##	6.240158e+03	6.273763e+03	6.202756e+03	6.058390e+03	6.128890e+03
##	16576	16577	16578	16579	16580
##	6.797314e+03	6.597018e+03	7.176554e+03	6.082187e+03	6.788603e+03
##	16581	16582	16583	16584	16585
##	6.861563e+03	6.575903e+03	6.300707e+03	6.411831e+03	6.408485e+03
##	16586	16587	16588	16589	16590
##	6.792485e+03	6.901394e+03	6.458617e+03	6.263911e+03	7.342116e+03
##	16591	16592	16593	16594	16595
##	7.555165e+03	6.644753e+03	6.505602e+03	6.504550e+03	7.914246e+03
##	16596	16597	16598	16599	16600
##	6.831976e+03	6.378659e+03	6.866095e+03	9.410162e+03	8.123606e+03
##	16601	16602	16603	16604	16605
##	5.861948e+03	6.773118e+03	1.180299e+04	6.334971e+03	6.252019e+03
##	16606	16607	16608	16609	16610
##	6.667508e+03	7.813994e+03	7.397764e+03	7.564716e+03	7.786564e+03
##	16611	16612	16613	16614	16615
##	6.738704e+03	6.535074e+03	6.364583e+03	7.231048e+03	9.178939e+03
##	16616	16617	16618	16619	16620
##	8.425765e+03	6.746511e+03	6.086590e+03	6.016389e+03	6.202987e+03
##	16621	16622	16623	16624	16625

##	6.688894e+03	7.132512e+03	6.484911e+03	6.502982e+03	6.259532e+03
##	16626	16627	16628	16629	16630
##	7.310872e+03	6.210499e+03	6.234280e+03	6.684261e+03	6.263320e+03
##	16631	16632	16633	16634	16635
##	6.728826e+03	5.513172e+03	7.134301e+03	7.128403e+03	6.287767e+03
##	16636	16637	16638	16639	16640
##	5.958179e+03	7.579098e+03	1.240651e+04	6.793590e+03	7.223240e+03
##	16641	16642	16643	16644	16645
##	7.176883e+03	6.555138e+03	6.733739e+03	7.464105e+03	6.868468e+03
##	16646	16647	16648	16649	16650
##	6.914582e+03	6.951263e+03	6.731779e+03	7.327258e+03	6.918481e+03
##	16651	16652	16653	16654	16655
##	6.313418e+03	6.551039e+03	6.497169e+03	8.176737e+03	7.605393e+03
##	16656	16657	16658	16659	16660
##	7.383778e+03	6.579262e+03	7.474549e+03	7.231177e+03	7.691497e+03
##	16661	16662	16663	16664	16665
##	6.968511e+03	6.730543e+03	7.734055e+03	7.750893e+03	7.153147e+03
##	16666	16667	16668	16669	16670
##	6.138432e+03	6.479569e+03	6.807242e+03	6.790170e+03	6.108360e+03
##	16671	16672	16673	16674	16675
##	7.501913e+03	7.175137e+03	5.883793e+03	7.415943e+03	7.220073e+03
##	16676	16677	16678	16679	16680
##	6.363445e+03	6.237896e+03	6.329261e+03	6.071456e+03	6.055734e+03
##	16681	16682	16683	16684	16685
##	-1.587905e+03	-3.033159e+02	-2.235510e+02	-5.410344e+02	-1.680427e+03
##	16686	16687	16688	16689	16690
##	-1.615683e+03	-1.633002e+03	-9.569298e+02	-6.532021e+02	-6.635937e+02
##	16691	16692	16693	16694	16695
##	-7.163290e+02	-1.857619e+03	-9.503418e+02	-1.426263e+03	-9.032520e+02
##	16696	16697	16698	16699	16700
##	-1.104934e+03	-1.184113e+03	-1.186149e+03	-9.581319e+02	-1.048935e+03
##	16701	16702	16703	16704	16705
##	-1.224206e+03	-7.793154e+02	-9.638117e+02	-1.131401e+03	-9.583566e+02
##	16706	16707	16708	16709	16710
##	-9.002967e+02	-1.035138e+03	-1.144068e+03	-1.220816e+03	-1.187084e+03
##	16711	16712	16713	16714	16715
##	5.325667e+02	6.050928e+02	5.682271e+02	5.890050e+02	-6.106800e+02
##	16716	16717	16718	16719	16720
##	-7.877895e+01	-5.166944e+01	-5.474778e+01	6.458725e+02	8.083762e+02
##	16721	16722	16723	16724	16725
##	5.415541e+02	7.066588e+02	3.521692e+02	3.318908e+02	-7.024158e+02
##	16726	16727	16728	16729	16730
##	-7.622172e+02	-6.544875e+02	1.058943e+03	7.837827e+02	9.824045e+02
##	16731	16732	16733	16734	16735
##	5.731791e+02	-3.641101e+02	-3.696910e+02	-7.311690e+02	-8.813063e+02
##	16736	16737	16738	16739	16740
##	-8.238990e+02	-1.093673e+03	-8.143076e+02	-5.606276e+02	1.086807e+03
##	16741	16742	16743	16744	16745
##	6.224722e+03	6.292167e+03	7.310454e+03	7.260508e+03	7.092774e+03
##	16746	16747	16748	16749	16750
##	6.544511e+03	7.656138e+03	7.093348e+03	6.244299e+03	6.595800e+03
##	16751	16752	16753	16754	16755
##	6.644255e+03	7.063616e+03	6.568004e+03	6.663920e+03	6.704034e+03
##	16756	16757	16758	16759	16760

##	8.260536e+03	6.363119e+03	6.437864e+03	7.970762e+03	7.326723e+03
##	16761	16762	16763	16764	16765
##	6.567132e+03	6.193210e+03	6.900776e+03	5.568475e+03	6.780196e+03
##	16766	16767	16768	16769	16770
##	7.422404e+03	7.030446e+03	7.426368e+03	6.579820e+03	5.864386e+03
##	16771	16772	16773	16774	16775
##	8.111461e+03	6.983147e+03	6.991613e+03	6.880050e+03	6.455463e+03
##	16776	16777	16778	16779	16780
##	6.892620e+03	7.086074e+03	6.356207e+03	6.393682e+03	6.492233e+03
##	16781	16782	16783	16784	16785
##	7.328712e+03	6.363466e+03	7.358333e+03	7.051513e+03	7.122219e+03
##	16786	16787	16788	16789	16790
##	1.137816e+04	7.952893e+03	5.646391e+03	6.911556e+03	7.311951e+03
##	16791	16792	16793	16794	16795
##	7.249016e+03	6.574369e+03	6.396294e+03	6.867477e+03	6.373231e+03
##	16796	16797	16798	16799	16800
##	7.887525e+03	7.288510e+03	6.333762e+03	6.675693e+03	6.123558e+03
##	16801	16802	16803	16804	16805
##	6.135535e+03	7.374054e+03	7.510112e+03	7.777372e+03	6.473876e+03
##	16806	16807	16808	16809	16810
##	6.212443e+03	6.494343e+03	7.310391e+03	6.610991e+03	7.385258e+03
##	16811	16812	16813	16814	16815
##	6.430715e+03	6.751900e+03	6.754704e+03	6.198425e+03	7.504546e+03
##	16816	16817	16818	16819	16820
##	7.015097e+03	7.355059e+03	6.534396e+03	7.333923e+03	6.262970e+03
##	16821	16822	16823	16824	16825
##	6.328405e+03	6.257666e+03	6.966736e+03	7.013622e+03	7.328641e+03
##	16826	16827	16828	16829	16830
##	7.374260e+03	7.185744e+03	7.569573e+03	7.009536e+03	6.917211e+03
##	16831	16832	16833	16834	16835
##	7.004428e+03	6.918909e+03	6.868022e+03	6.162536e+03	6.185044e+03
##	16836	16837	16838	16839	16840
##	7.754086e+03	7.306976e+03	6.742561e+03	9.258930e+03	7.366070e+03
##	16841	16842	16843	16844	16845
##	6.499104e+03	6.114951e+03	6.167620e+03	8.959040e+03	9.064349e+03
##	16846	16847	16848	16849	16850
##	7.404246e+03	6.221288e+03	6.263128e+03	6.254750e+03	6.193029e+03
##	16851	16852	16853	16854	16855
##	6.127545e+03	6.228598e+03	6.276457e+03	7.530494e+03	7.254696e+03
##	16856	16857	16858	16859	16860
##	7.808063e+03	7.564624e+03	8.643154e+03	6.901820e+03	7.003755e+03
##	16861	16862	16863	16864	16865
##	6.165159e+03	8.762112e+03	6.239728e+03	6.594919e+03	6.598864e+03
##	16866	16867	16868	16869	16870
##	7.003131e+03	6.810793e+03	6.811551e+03	7.809942e+03	7.947270e+03
##	16871	16872	16873	16874	16875
##	6.229102e+03	6.442088e+03	6.502119e+03	6.270181e+03	6.703664e+03
##	16876	16877	16878	16879	16880
##	7.649820e+03	7.700413e+03	6.895495e+03	6.109872e+03	6.138035e+03
##	16881	16882	16883	16884	16885
##	6.319662e+03	5.945854e+03	8.103705e+03	6.733535e+03	6.457289e+03
##	16886	16887	16888	16889	16890
##	6.194284e+03	7.790906e+03	6.726063e+03	6.705827e+03	7.232754e+03
##	16891	16892	16893	16894	16895

##	7.734037e+03	7.488632e+03	6.695771e+03	5.909659e+03	6.617014e+03
##	16896	16897	16898	16899	16900
##	6.794577e+03	7.038876e+03	7.296556e+03	6.337978e+03	8.177593e+03
##	16901	16902	16903	16904	16905
##	6.942702e+03	7.484411e+03	6.384420e+03	6.489018e+03	6.454708e+03
##	16906	16907	16908	16909	16910
##	7.475741e+03	6.893411e+03	7.056471e+03	7.442763e+03	7.010729e+03
##	16911	16912	16913	16914	16915
##	6.800227e+03	6.468671e+03	7.999627e+03	7.124943e+03	6.392597e+03
##	16916	16917	16918	16919	16920
##	1.095679e+04	6.869385e+03	7.415957e+03	6.252730e+03	7.428748e+03
##	16921	16922	16923	16924	16925
##	7.817380e+03	8.047486e+03	7.937862e+03	7.185732e+03	8.991324e+03
##	16926	16927	16928	16929	16930
##	7.735670e+03	7.541372e+03	6.345124e+03	6.373323e+03	6.105648e+03
##	16931	16932	16933	16934	16935
##	5.775280e+03	7.582966e+03	7.373279e+03	6.405908e+03	6.295584e+03
##	16936	16937	16938	16939	16940
##	7.356196e+03	7.233423e+03	7.315405e+03	7.323743e+03	8.411614e+03
##	16941	16942	16943	16944	16945
##	7.477474e+03	6.855305e+03	6.996772e+03	6.655994e+03	6.289260e+03
##	16946	16947	16948	16949	16950
##	7.057328e+03	6.537238e+03	6.739271e+03	6.177583e+03	8.480274e+03
##	16951	16952	16953	16954	16955
##	8.202619e+03	6.360620e+03	6.911256e+03	6.081552e+03	6.256513e+03
##	16956	16957	16958	16959	16960
##	7.225483e+03	6.388604e+03	6.236873e+03	7.151488e+03	7.056099e+03
##	16961	16962	16963	16964	16965
##	7.180581e+03	7.083408e+03	7.163733e+03	6.007590e+03	7.139866e+03
##	16966	16967	16968	16969	16970
##	6.849959e+03	6.379978e+03	6.310877e+03	6.930906e+03	6.276307e+03
##	16971	16972	16973	16974	16975
##	6.608392e+03	6.386065e+03	7.301547e+03	6.557607e+03	7.296490e+03
##	16976	16977	16978	16979	16980
##	7.804822e+03	7.042688e+03	6.866914e+03	7.002468e+03	7.731751e+03
##	16981	16982	16983	16984	16985
##	6.508544e+03	6.902683e+03	6.745547e+03	7.109515e+03	7.190462e+03
##	16986	16987	16988	16989	16990
##	7.758897e+03	6.502597e+03	6.585935e+03	7.348634e+03	6.191348e+03
##	16991	16992	16993	16994	16995
##	6.204365e+03	6.408502e+03	6.198130e+03	6.286813e+03	6.313729e+03
##	16996	16997	16998	16999	17000
##	6.141693e+03	6.224178e+03	6.120183e+03	6.280320e+03	6.242722e+03
##	17001	17002	17003	17004	17005
##	6.317470e+03	6.313687e+03	6.257772e+03	7.766624e+03	9.365543e+03
##	17006	17007	17008	17009	17010
##	6.875293e+03	7.554788e+03	7.615423e+03	7.060394e+03	9.739340e+03
##	17011	17012	17013	17014	17015
##	8.195185e+03	6.992858e+03	7.476603e+03	6.295326e+03	6.776657e+03
##	17016	17017	17018	17019	17020
##	7.597552e+03	5.755911e+03	6.430476e+03	6.288132e+03	6.386971e+03
##	17021	17022	17023	17024	17025
##	6.405954e+03	6.302047e+03	6.362784e+03	6.173730e+03	8.420698e+03
##	17026	17027	17028	17029	17030

##	6.753853e+03	6.331949e+03	6.358519e+03	8.339384e+03	6.726647e+03
##	17031	17032	17033	17034	17035
##	6.015671e+03	6.651477e+03	7.089463e+03	6.173624e+03	6.194788e+03
##	17036	17037	17038	17039	17040
##	7.685054e+03	8.104873e+03	7.719937e+03	8.104200e+03	8.045512e+03
##	17041	17042	17043	17044	17045
##	1.013634e+03	3.598593e+02	-3.602691e+02	1.354324e+03	1.116035e+03
##	17046	17047	17048	17049	17050
##	1.186156e+03	7.439658e+02	8.826579e+02	8.429668e+02	8.629188e+02
##	17051	17052	17053	17054	17055
##	8.400506e+02	-1.537485e+03	-2.187897e+02	-2.086617e+02	-1.456756e+03
##	17056	17057	17058	17059	17060
##	-1.447481e+03	1.177782e+03	-7.133764e+02	-9.274286e+02	-1.404593e+02
##	17061	17062	17063	17064	17065
##	-2.413126e+02	-2.157604e+02	-2.460933e+02	-2.985982e+02	-2.114895e+02
##	17066	17067	17068	17069	17070
##	-3.505242e+02	-2.634402e+02	-3.134669e+02	-2.778149e+02	-8.248944e+02
##	17071	17072	17073	17074	17075
##	8.111700e+03	6.349167e+03	5.983667e+03	6.013409e+03	6.564910e+03
##	17076	17077	17078	17079	17080
##	7.020977e+03	7.418508e+03	6.561689e+03	6.406741e+03	6.472220e+03
##	17081	17082	17083	17084	17085
##	7.009524e+03	7.299680e+03	6.738248e+03	9.636547e+03	7.417467e+03
##	17086	17087	17088	17089	17090
##	9.930427e+03	7.993085e+03	6.451553e+03	7.509227e+03	7.613397e+03
##	17091	17092	17093	17094	17095
##	6.694065e+03	7.944605e+03	6.523475e+03	6.856615e+03	6.458127e+03
##	17096	17097	17098	17099	17100
##	6.403657e+03	7.837125e+03	1.196171e+04	7.133297e+03	7.123023e+03
##	17101	17102	17103	17104	17105
##	6.583036e+03	6.447291e+03	6.089682e+03	8.123606e+03	8.026299e+03
##	17106	17107	17108	17109	17110
##	7.181095e+03	8.797913e+03	7.226068e+03	6.392822e+03	6.824439e+03
##	17111	17112	17113	17114	17115
##	6.635061e+03	6.495198e+03	6.443195e+03	7.050852e+03	6.138278e+03
##	17116	17117	17118	17119	17120
##	6.991488e+03	6.501175e+03	6.522244e+03	7.231182e+03	8.360384e+03
##	17121	17122	17123	17124	17125
##	6.523532e+03	5.330921e+03	7.272762e+03	7.757262e+03	6.708289e+03
##	17126	17127	17128	17129	17130
##	6.302177e+03	7.064842e+03	7.119938e+03	6.971561e+03	7.794949e+03
##	17131	17132	17133	17134	17135
##	5.686132e+03	7.231300e+03	6.496589e+03	6.355220e+03	7.266262e+03
##	17136	17137	17138	17139	17140
##	7.570969e+03	6.712025e+03	8.777369e+03	8.777369e+03	7.055836e+03
##	17141	17142	17143	17144	17145
##	6.102073e+03	5.934910e+03	6.606001e+03	6.049014e+03	6.320119e+03
##	17146	17147	17148	17149	17150
##	6.567908e+03	6.636069e+03	6.681467e+03	5.873455e+03	6.355719e+03
##	17151	17152	17153	17154	17155
##	8.316866e+03	1.089045e+04	7.523442e+03	6.908951e+03	7.355301e+03
##	17156	17157	17158	17159	17160
##	6.497862e+03	7.632995e+03	8.010346e+03	8.124261e+03	8.226556e+03
##	17161	17162	17163	17164	17165

##	5.583795e+03	6.774775e+03	6.441047e+03	6.426556e+03	6.403103e+03
##	17166	17167	17168	17169	17170
##	1.094884e+04	7.550826e+03	6.148426e+03	7.073514e+03	6.982097e+03
##	17171	17172	17173	17174	17175
##	7.620471e+03	7.085102e+03	7.065104e+03	6.507142e+03	7.642269e+03
##	17176	17177	17178	17179	17180
##	7.481162e+03	1.017598e+04	7.406460e+03	7.351717e+03	6.366184e+03
##	17181	17182	17183	17184	17185
##	8.833677e+03	1.316673e+04	6.015552e+03	7.394070e+03	6.300601e+03
##	17186	17187	17188	17189	17190
##	7.095384e+03	6.771801e+03	5.989343e+03	6.260402e+03	6.556663e+03
##	17191	17192	17193	17194	17195
##	6.678783e+03	6.207062e+03	7.605325e+03	7.170982e+03	6.322445e+03
##	17196	17197	17198	17199	17200
##	7.194465e+03	1.586236e+04	7.390429e+03	6.270259e+03	7.580548e+03
##	17201	17202	17203	17204	17205
##	6.242198e+03	6.143284e+03	7.398364e+03	6.454610e+03	7.964477e+03
##	17206	17207	17208	17209	17210
##	7.467231e+03	7.742592e+03	7.718694e+03	6.252962e+03	6.921935e+03
##	17211	17212	17213	17214	17215
##	7.850910e+03	6.438286e+03	6.270295e+03	6.075112e+03	6.332609e+03
##	17216	17217	17218	17219	17220
##	6.403904e+03	8.151720e+03	6.393116e+03	8.060224e+03	7.003935e+03
##	17221	17222	17223	17224	17225
##	7.623692e+03	7.397034e+03	8.242320e+03	7.383863e+03	7.356048e+03
##	17226	17227	17228	17229	17230
##	7.504520e+03	7.427835e+03	8.972483e+03	6.542592e+03	7.360041e+03
##	17231	17232	17233	17234	17235
##	6.621489e+03	6.981239e+03	7.633747e+03	7.230567e+03	5.924216e+03
##	17236	17237	17238	17239	17240
##	6.717819e+03	7.309071e+03	8.963786e+03	7.641076e+03	7.153663e+03
##	17241	17242	17243	17244	17245
##	8.093952e+03	1.020287e+04	6.152308e+03	6.141834e+03	9.866286e+03
##	17246	17247	17248	17249	17250
##	6.550866e+03	6.547429e+03	7.101626e+03	6.404062e+03	6.500859e+03
##	17251	17252	17253	17254	17255
##	6.317570e+03	6.880406e+03	7.454099e+03	6.010797e+03	6.754665e+03
##	17256	17257	17258	17259	17260
##	7.752087e+03	6.467830e+03	5.740174e+03	6.419117e+03	6.466708e+03
##	17261	17262	17263	17264	17265
##	7.381826e+03	6.611833e+03	6.366149e+03	6.319777e+03	7.439084e+03
##	17266	17267	17268	17269	17270
##	6.429486e+03	7.725909e+03	6.649291e+03	6.462090e+03	8.046016e+03
##	17271	17272	17273	17274	17275
##	6.332973e+03	7.092586e+03	1.005752e+04	7.916712e+03	7.802771e+03
##	17276	17277	17278	17279	17280
##	6.931786e+03	7.481428e+03	7.450294e+03	7.574091e+03	7.709446e+03
##	17281	17282	17283	17284	17285
##	7.775123e+03	7.990426e+03	8.487376e+03	6.434296e+03	6.357690e+03
##	17286	17287	17288	17289	17290
##	6.519798e+03	6.182546e+03	7.194492e+03	6.994636e+03	7.166019e+03
##	17291	17292	17293	17294	17295
##	6.076947e+03	1.036416e+04	9.043958e+03	7.568191e+03	6.632862e+03
##	17296	17297	17298	17299	17300

##	6.173135e+03	6.795765e+03	7.984440e+03	8.043127e+03	7.539514e+03
##	17301	17302	17303	17304	17305
##	6.325067e+03	6.662230e+03	6.640503e+03	7.146939e+03	7.405827e+03
##	17306	17307	17308	17309	17310
##	9.713583e+03	7.479081e+03	8.578499e+03	6.832366e+03	6.725401e+03
##	17311	17312	17313	17314	17315
##	6.330193e+03	7.320505e+03	6.354435e+03	7.877509e+03	6.118449e+03
##	17316	17317	17318	17319	17320
##	6.941482e+03	8.161109e+03	7.136848e+03	6.154030e+03	7.822662e+03
##	17321	17322	17323	17324	17325
##	7.165563e+03	6.329982e+03	7.321484e+03	6.619529e+03	7.518542e+03
##	17326	17327	17328	17329	17330
##	6.987490e+03	6.654797e+03	6.996314e+03	6.407775e+03	6.344105e+03
##	17331	17332	17333	17334	17335
##	6.968250e+03	6.991382e+03	7.406691e+03	6.389983e+03	7.226694e+03
##	17336	17337	17338	17339	17340
##	6.241649e+03	7.425879e+03	6.388610e+03	6.166644e+03	7.428487e+03
##	17341	17342	17343	17344	17345
##	7.357917e+03	6.075880e+03	7.097823e+03	7.084430e+03	8.127553e+03
##	17346	17347	17348	17349	17350
##	7.028483e+03	8.644367e+03	6.060751e+03	7.190585e+03	7.579560e+03
##	17351	17352	17353	17354	17355
##	7.894733e+03	6.737492e+03	8.343815e+03	8.169352e+03	7.688777e+03
##	17356	17357	17358	17359	17360
##	7.541138e+03	6.092761e+03	7.015121e+03	9.017808e+03	7.793456e+03
##	17361	17362	17363	17364	17365
##	6.555108e+03	6.344193e+03	6.592711e+03	6.707713e+03	6.643688e+03
##	17366	17367	17368	17369	17370
##	6.018478e+03	1.067947e+04	6.269225e+03	6.311411e+03	8.048011e+03
##	17371	17372	17373	17374	17375
##	-6.007866e+02	-6.113179e+02	-1.006343e+03	-2.484247e+02	-5.095842e+02
##	17376	17377	17378	17379	17380
##	-5.472812e+02	-5.675394e+02	-6.987803e+02	-7.868496e+02	-8.173516e+02
##	17381	17382	17383	17384	17385
##	-8.789683e+02	-8.451355e+02	-8.692121e+02	-8.759978e+02	-1.031567e+03
##	17386	17387	17388	17389	17390
##	-7.728067e+02	-3.537364e+02	-2.583170e+02	-1.464592e+02	-1.521100e+02
##	17391	17392	17393	17394	17395
##	-6.278336e+02	-5.979612e+02	-5.897995e+02	-9.505240e+02	-7.055481e+02
##	17396	17397	17398	17399	17400
##	-6.204804e+02	-6.866909e+02	1.911291e+02	-1.633275e+02	-1.866725e+02
##	17401	17402	17403	17404	17405
##	7.216927e+03	6.760871e+03	5.767671e+03	1.111746e+04	9.807638e+03
##	17406	17407	17408	17409	17410
##	6.968007e+03	7.663034e+03	7.333503e+03	8.103986e+03	6.582908e+03
##	17411	17412	17413	17414	17415
##	6.893419e+03	7.294229e+03	6.719808e+03	8.118908e+03	8.106484e+03
##	17416	17417	17418	17419	17420
##	7.313394e+03	8.479745e+03	8.104067e+03	6.576042e+03	6.540058e+03
##	17421	17422	17423	17424	17425
##	6.427559e+03	6.275512e+03	7.002263e+03	8.723611e+03	6.932270e+03
##	17426	17427	17428	17429	17430
##	6.970378e+03	7.034568e+03	7.248052e+03	7.376428e+03	8.112122e+03
##	17431	17432	17433	17434	17435

##	7.035785e+03	8.119238e+03	8.075872e+03	8.740231e+03	6.146536e+03
##	17436	17437	17438	17439	17440
##	7.899977e+03	6.192229e+03	6.291783e+03	6.972314e+03	9.941735e+03
##	17441	17442	17443	17444	17445
##	7.539080e+03	6.533552e+03	7.564414e+03	7.467300e+03	6.587860e+03
##	17446	17447	17448	17449	17450
##	6.571447e+03	6.929174e+03	6.918020e+03	6.409341e+03	7.862690e+03
##	17451	17452	17453	17454	17455
##	6.533048e+03	6.680080e+03	6.299779e+03	6.545379e+03	6.243855e+03
##	17456	17457	17458	17459	17460
##	7.701877e+03	7.553190e+03	6.561136e+03	6.577405e+03	6.801021e+03
##	17461	17462	17463	17464	17465
##	7.678093e+03	6.504643e+03	7.635157e+03	6.744814e+03	7.551415e+03
##	17466	17467	17468	17469	17470
##	7.802482e+03	1.348067e+04	5.996270e+03	8.946387e+03	6.384062e+03
##	17471	17472	17473	17474	17475
##	6.726567e+03	6.366041e+03	6.360711e+03	6.901751e+03	8.506456e+03
##	17476	17477	17478	17479	17480
##	6.596984e+03	7.189852e+03	6.542676e+03	6.552086e+03	8.513237e+03
##	17481	17482	17483	17484	17485
##	6.438863e+03	1.170554e+04	6.276333e+03	6.763539e+03	8.053237e+03
##	17486	17487	17488	17489	17490
##	7.214906e+03	1.051613e+04	6.566585e+03	7.892205e+03	1.150373e+04
##	17491	17492	17493	17494	17495
##	6.214220e+03	6.376915e+03	6.811709e+03	6.422615e+03	7.647371e+03
##	17496	17497	17498	17499	17500
##	6.434433e+03	6.378351e+03	7.499014e+03	6.703771e+03	8.211701e+03
##	17501	17502	17503	17504	17505
##	6.542593e+03	7.637912e+03	6.375013e+03	6.201927e+03	7.292307e+03
##	17506	17507	17508	17509	17510
##	6.788472e+03	7.645754e+03	7.418727e+03	6.654265e+03	6.628310e+03
##	17511	17512	17513	17514	17515
##	7.134625e+03	7.097411e+03	7.301224e+03	7.325329e+03	7.654741e+03
##	17516	17517	17518	17519	17520
##	6.367607e+03	7.638435e+03	6.519992e+03	7.597790e+03	7.757201e+03
##	17521	17522	17523	17524	17525
##	6.391921e+03	6.543424e+03	6.985946e+03	6.974278e+03	7.645854e+03
##	17526	17527	17528	17529	17530
##	6.880838e+03	7.078996e+03	6.528753e+03	7.179954e+03	8.458247e+03
##	17531	17532	17533	17534	17535
##	6.380704e+03	6.442272e+03	6.428740e+03	6.470584e+03	6.563190e+03
##	17536	17537	17538	17539	17540
##	6.592147e+03	8.450123e+03	6.577395e+03	9.216464e+03	8.029016e+03
##	17541	17542	17543	17544	17545
##	7.622944e+03	6.470043e+03	7.940518e+03	6.815894e+03	6.611336e+03
##	17546	17547	17548	17549	17550
##	7.488620e+03	6.294531e+03	6.158988e+03	8.547963e+03	6.694865e+03
##	17551	17552	17553	17554	17555
##	6.771294e+03	6.328982e+03	7.775722e+03	7.116011e+03	9.930184e+03
##	17556	17557	17558	17559	17560
##	9.930184e+03	6.433879e+03	7.939105e+03	6.710152e+03	7.015153e+03
##	17561	17562	17563	17564	17565
##	1.295020e+04	6.499070e+03	6.147007e+03	7.208396e+03	8.219085e+03
##	17566	17567	17568	17569	17570

##	7.343151e+03	7.305016e+03	7.517083e+03	7.333002e+03	6.980449e+03
##	17571	17572	17573	17574	17575
##	7.568133e+03	6.780626e+03	7.391414e+03	6.081570e+03	9.415223e+03
##	17576	17577	17578	17579	17580
##	6.513853e+03	6.419354e+03	7.130481e+03	6.659140e+03	8.064579e+03
##	17581	17582	17583	17584	17585
##	6.459104e+03	7.586830e+03	6.231680e+03	6.204302e+03	6.237253e+03
##	17586	17587	17588	17589	17590
##	7.182032e+03	8.536702e+03	6.782607e+03	7.151388e+03	7.582752e+03
##	17591	17592	17593	17594	17595
##	8.683254e+03	8.116125e+03	6.827545e+03	5.883675e+03	6.605195e+03
##	17596	17597	17598	17599	17600
##	7.721130e+03	7.704022e+03	7.710821e+03	7.789731e+03	7.733514e+03
##	17601	17602	17603	17604	17605
##	7.599419e+03	7.990563e+03	7.562194e+03	8.588120e+03	7.511272e+03
##	17606	17607	17608	17609	17610
##	8.303100e+03	8.128637e+03	7.648062e+03	7.378537e+03	6.729068e+03
##	17611	17612	17613	17614	17615
##	7.938566e+03	7.998775e+03	8.144549e+03	7.665832e+03	7.412656e+03
##	17616	17617	17618	17619	17620
##	6.239548e+03	7.682372e+03	6.638443e+03	8.997451e+03	6.924531e+03
##	17621	17622	17623	17624	17625
##	7.987189e+03	6.726547e+03	6.392197e+03	7.155855e+03	8.017475e+03
##	17626	17627	17628	17629	17630
##	6.233402e+03	8.979885e+03	8.943609e+03	7.955477e+03	8.077721e+03
##	17631	17632	17633	17634	17635
##	7.954566e+03	7.220761e+03	7.954934e+03	6.322158e+03	6.526662e+03
##	17636	17637	17638	17639	17640
##	6.640832e+03	7.419287e+03	9.195551e+03	8.242719e+03	7.770493e+03
##	17641	17642	17643	17644	17645
##	7.470000e+03	7.086101e+03	7.642113e+03	6.506544e+03	7.114523e+03
##	17646	17647	17648	17649	17650
##	7.250775e+03	9.239912e+03	7.062254e+03	8.829928e+03	7.431754e+03
##	17651	17652	17653	17654	17655
##	6.988082e+03	7.316592e+03	7.217516e+03	7.339511e+03	7.495640e+03
##	17656	17657	17658	17659	17660
##	6.227195e+03	7.934499e+03	6.417783e+03	6.384263e+03	7.010074e+03
##	17661	17662	17663	17664	17665
##	7.828726e+03	7.004858e+03	6.936590e+03	7.708290e+03	6.601941e+03
##	17666	17667	17668	17669	17670
##	6.660058e+03	5.704765e+03	6.643803e+03	6.667977e+03	1.005787e+04
##	17671	17672	17673	17674	17675
##	7.171003e+03	7.925550e+03	8.234879e+03	7.306632e+03	7.406381e+03
##	17676	17677	17678	17679	17680
##	6.463949e+03	6.416274e+03	6.649544e+03	6.402541e+03	6.350172e+03
##	17681	17682	17683	17684	17685
##	6.444145e+03	7.857794e+03	7.392913e+03	6.245919e+03	6.486989e+03
##	17686	17687	17688	17689	17690
##	7.712173e+03	6.729282e+03	6.769628e+03	7.627200e+03	7.593702e+03
##	17691	17692	17693	17694	17695
##	5.960908e+03	1.314227e+04	6.780848e+03	7.761767e+03	7.705621e+03
##	17696	17697	17698	17699	17700
##	6.343347e+03	6.244470e+03	8.200612e+03	7.158412e+03	6.760513e+03
##	17701	17702	17703	17704	17705

##	-1.817621e+02	-1.690727e+02	-2.481836e+02	-6.691365e+02	3.026439e+02
##	17706	17707	17708	17709	17710
##	5.104771e+02	1.090587e+03	1.037162e+03	-1.510705e+01	9.100976e+02
##	17711	17712	17713	17714	17715
##	-7.992584e+02	-7.875678e+02	-7.699136e+02	-8.045268e+02	-7.867819e+02
##	17716	17717	17718	17719	17720
##	4.677383e+02	8.290153e+02	-3.535256e+03	-6.381818e+02	-3.356218e+03
##	17721	17722	17723	17724	17725
##	6.125523e+02	6.192873e+02	5.833036e+02	5.924081e+02	8.907861e+02
##	17726	17727	17728	17729	17730
##	6.363422e+02	7.876463e+02	-3.258358e+02	6.193092e+01	2.945794e+02
##	17731	17732	17733	17734	17735
##	6.476090e+03	6.547280e+03	6.815985e+03	7.477799e+03	8.138030e+03
##	17736	17737	17738	17739	17740
##	8.364925e+03	7.267975e+03	7.958431e+03	1.001434e+04	8.894400e+03
##	17741	17742	17743	17744	17745
##	7.806725e+03	7.325482e+03	7.596403e+03	8.080279e+03	9.481856e+03
##	17746	17747	17748	17749	17750
##	5.622686e+03	9.105491e+03	7.005013e+03	9.184380e+03	6.306731e+03
##	17751	17752	17753	17754	17755
##	8.684260e+03	8.072908e+03	7.429869e+03	7.212612e+03	8.112696e+03
##	17756	17757	17758	17759	17760
##	6.848909e+03	6.381306e+03	7.986287e+03	7.068347e+03	7.872947e+03
##	17761	17762	17763	17764	17765
##	7.766222e+03	7.203775e+03	7.002259e+03	8.025899e+03	6.536049e+03
##	17766	17767	17768	17769	17770
##	1.016199e+04	8.009942e+03	9.119502e+03	8.124111e+03	7.858584e+03
##	17771	17772	17773	17774	17775
##	6.740458e+03	9.548335e+03	8.298852e+03	8.027393e+03	7.206186e+03
##	17776	17777	17778	17779	17780
##	6.586327e+03	8.370844e+03	8.439809e+03	9.772655e+03	8.125824e+03
##	17781	17782	17783	17784	17785
##	7.412711e+03	7.854042e+03	7.660833e+03	6.552675e+03	7.694765e+03
##	17786	17787	17788	17789	17790
##	6.171482e+03	6.750501e+03	6.834699e+03	6.407221e+03	6.216779e+03
##	17791	17792	17793	17794	17795
##	6.267592e+03	6.127229e+03	7.930981e+03	7.284614e+03	7.387183e+03
##	17796	17797	17798	17799	17800
##	7.365107e+03	7.040873e+03	7.273871e+03	6.455786e+03	7.298804e+03
##	17801	17802	17803	17804	17805
##	6.499634e+03	7.911058e+03	6.572076e+03	8.683808e+03	8.533903e+03
##	17806	17807	17808	17809	17810
##	8.685671e+03	6.263864e+03	6.529382e+03	6.361385e+03	7.385293e+03
##	17811	17812	17813	17814	17815
##	6.414930e+03	6.386518e+03	6.150014e+03	6.115689e+03	6.472687e+03
##	17816	17817	17818	17819	17820
##	7.166412e+03	7.511747e+03	7.616816e+03	9.308659e+03	7.249662e+03
##	17821	17822	17823	17824	17825
##	7.238826e+03	8.141894e+03	8.349360e+03	6.768475e+03	8.378819e+03
##	17826	17827	17828	17829	17830
##	7.845118e+03	9.507440e+03	6.694692e+03	7.736826e+03	6.978831e+03
##	17831	17832	17833	17834	17835
##	9.513888e+03	6.175599e+03	7.376557e+03	7.668244e+03	6.411261e+03
##	17836	17837	17838	17839	17840

##	6.521161e+03	6.814601e+03	7.163499e+03	6.293379e+03	7.635116e+03
##	17841	17842	17843	17844	17845
##	6.590538e+03	7.890859e+03	6.393165e+03	6.472060e+03	8.646979e+03
##	17846	17847	17848	17849	17850
##	6.385547e+03	6.974438e+03	6.944997e+03	7.315099e+03	6.194449e+03
##	17851	17852	17853	17854	17855
##	7.280832e+03	7.500094e+03	6.698566e+03	7.456011e+03	8.407259e+03
##	17856	17857	17858	17859	17860
##	7.302466e+03	6.472142e+03	7.833838e+03	6.676518e+03	1.076326e+04
##	17861	17862	17863	17864	17865
##	6.776417e+03	7.892094e+03	8.695495e+03	8.797189e+03	9.196227e+03
##	17866	17867	17868	17869	17870
##	6.072888e+03	8.013685e+03	6.634543e+03	7.466585e+03	8.084438e+03
##	17871	17872	17873	17874	17875
##	8.733136e+03	6.504906e+03	7.226479e+03	7.670236e+03	8.886507e+03
##	17876	17877	17878	17879	17880
##	5.815588e+03	6.592321e+03	8.352594e+03	7.663307e+03	8.901063e+03
##	17881	17882	17883	17884	17885
##	7.447707e+03	7.558705e+03	7.939669e+03	7.796888e+03	6.692232e+03
##	17886	17887	17888	17889	17890
##	7.832904e+03	7.986612e+03	7.143847e+03	6.893172e+03	6.968661e+03
##	17891	17892	17893	17894	17895
##	7.867315e+03	8.064189e+03	7.994607e+03	6.350790e+03	7.611121e+03
##	17896	17897	17898	17899	17900
##	8.071135e+03	6.692261e+03	1.399272e+04	6.729157e+03	7.692783e+03
##	17901	17902	17903	17904	17905
##	6.823009e+03	6.297275e+03	7.886331e+03	7.961892e+03	5.924835e+03
##	17906	17907	17908	17909	17910
##	7.820105e+03	7.669769e+03	7.065151e+03	8.826323e+03	6.670354e+03
##	17911	17912	17913	17914	17915
##	9.178482e+03	6.368537e+03	6.728028e+03	6.634568e+03	6.726003e+03
##	17916	17917	17918	17919	17920
##	8.554011e+03	7.390945e+03	1.045513e+04	6.463436e+03	7.368300e+03
##	17921	17922	17923	17924	17925
##	7.600893e+03	7.018613e+03	7.916695e+03	8.294696e+03	6.177068e+03
##	17926	17927	17928	17929	17930
##	6.917835e+03	6.396135e+03	9.355449e+03	6.339646e+03	6.340034e+03
##	17931	17932	17933	17934	17935
##	6.542112e+03	6.583314e+03	7.810959e+03	7.414210e+03	8.388414e+03
##	17936	17937	17938	17939	17940
##	6.387247e+03	6.529623e+03	8.128935e+03	7.709052e+03	7.768655e+03
##	17941	17942	17943	17944	17945
##	6.800075e+03	6.671826e+03	7.456284e+03	9.915507e+03	6.532422e+03
##	17946	17947	17948	17949	17950
##	6.738083e+03	8.126033e+03	8.188811e+03	6.593047e+03	1.014076e+04
##	17951	17952	17953	17954	17955
##	7.586006e+03	8.563297e+03	7.836789e+03	7.446662e+03	6.496341e+03
##	17956	17957	17958	17959	17960
##	6.617557e+03	1.361211e+04	6.227661e+03	7.808351e+03	7.764223e+03
##	17961	17962	17963	17964	17965
##	1.053707e+04	8.051852e+03	6.434291e+03	6.559983e+03	6.257275e+03
##	17966	17967	17968	17969	17970
##	7.842721e+03	7.671458e+03	7.628329e+03	7.623055e+03	6.490194e+03
##	17971	17972	17973	17974	17975

##	7.971889e+03	7.145865e+03	6.612882e+03	1.025437e+04	7.721522e+03
##	17976	17977	17978	17979	17980
##	6.857385e+03	7.043067e+03	9.564073e+03	7.780929e+03	6.916975e+03
##	17981	17982	17983	17984	17985
##	1.049700e+04	7.580871e+03	7.456710e+03	6.778508e+03	6.697406e+03
##	17986	17987	17988	17989	17990
##	6.667356e+03	6.867936e+03	7.346876e+03	7.193537e+03	7.907348e+03
##	17991	17992	17993	17994	17995
##	8.380497e+03	6.848605e+03	8.277930e+03	6.264736e+03	5.846263e+03
##	17996	17997	17998	17999	18000
##	8.211044e+03	7.404158e+03	6.510714e+03	7.676908e+03	7.628535e+03
##	18001	18002	18003	18004	18005
##	6.549279e+03	6.705684e+03	6.853734e+03	6.386447e+03	7.068150e+03
##	18006	18007	18008	18009	18010
##	6.704524e+03	7.332058e+03	7.816514e+03	5.932168e+03	7.740511e+03
##	18011	18012	18013	18014	18015
##	9.425279e+03	6.158978e+03	6.274120e+03	6.176333e+03	9.366519e+03
##	18016	18017	18018	18019	18020
##	6.382037e+03	7.915000e+03	7.006489e+03	6.268689e+03	6.460504e+03
##	18021	18022	18023	18024	18025
##	7.185829e+03	9.163592e+03	8.399094e+03	8.309772e+03	7.025005e+03
##	18026	18027	18028	18029	18030
##	8.530002e+03	8.290858e+03	6.738774e+03	6.819343e+03	6.580236e+03
##	18031	18032	18033	18034	18035
##	3.333602e+02	3.423266e+02	2.502062e+02	3.446073e+02	3.468753e+02
##	18036	18037	18038	18039	18040
##	2.905741e+02	3.379855e+02	1.930608e+02	1.989700e+02	4.094799e+02
##	18041	18042	18043	18044	18045
##	1.432417e+02	2.817799e+02	2.855110e+02	2.393378e+02	2.207994e+02
##	18046	18047	18048	18049	18050
##	3.740473e+02	4.419117e+02	3.395674e+02	2.333886e+02	2.878421e+02
##	18051	18052	18053	18054	18055
##	6.855646e+02	3.912151e+02	8.564875e+02	4.009839e+02	4.150268e+02
##	18056	18057	18058	18059	18060
##	7.741213e+02	8.939816e+02	6.059564e+02	6.132135e+02	1.496662e+02
##	18061	18062	18063	18064	18065
##	8.095288e+03	8.132351e+03	7.368410e+03	6.775491e+03	7.769587e+03
##	18066	18067	18068	18069	18070
##	6.713466e+03	6.691588e+03	1.051300e+04	6.750668e+03	6.831459e+03
##	18071	18072	18073	18074	18075
##	7.391697e+03	7.872017e+03	9.229433e+03	7.869909e+03	1.016890e+04
##	18076	18077	18078	18079	18080
##	6.623703e+03	9.649670e+03	8.176535e+03	7.708313e+03	8.026247e+03
##	18081	18082	18083	18084	18085
##	6.677661e+03	6.597752e+03	8.634778e+03	8.503367e+03	8.764414e+03
##	18086	18087	18088	18089	18090
##	7.464215e+03	7.438789e+03	7.394379e+03	8.350199e+03	6.348190e+03
##	18091	18092	18093	18094	18095
##	7.331630e+03	6.978553e+03	6.983169e+03	9.154849e+03	8.134723e+03
##	18096	18097	18098	18099	18100
##	7.755121e+03	7.874543e+03	7.790312e+03	9.048789e+03	8.048023e+03
##	18101	18102	18103	18104	18105
##	9.367834e+03	7.865607e+03	8.606507e+03	6.505078e+03	6.525126e+03
##	18106	18107	18108	18109	18110

##	7.804484e+03	8.119122e+03	7.332517e+03	6.444317e+03	1.008727e+04
##	18111	18112	18113	18114	18115
##	8.027928e+03	6.690088e+03	7.101214e+03	7.027198e+03	6.526755e+03
##	18116	18117	18118	18119	18120
##	6.549608e+03	7.955418e+03	9.486135e+03	6.811316e+03	7.469557e+03
##	18121	18122	18123	18124	18125
##	6.814179e+03	6.823140e+03	6.348752e+03	6.365763e+03	8.760951e+03
##	18126	18127	18128	18129	18130
##	7.642116e+03	7.327518e+03	6.831653e+03	7.697913e+03	8.223031e+03
##	18131	18132	18133	18134	18135
##	8.540461e+03	8.611133e+03	8.252808e+03	7.584809e+03	6.087845e+03
##	18136	18137	18138	18139	18140
##	7.072722e+03	6.920883e+03	8.188494e+03	8.879491e+03	8.468623e+03
##	18141	18142	18143	18144	18145
##	6.377960e+03	7.564195e+03	8.220620e+03	6.376554e+03	8.002843e+03
##	18146	18147	18148	18149	18150
##	6.636167e+03	6.607386e+03	7.062417e+03	6.558605e+03	7.500057e+03
##	18151	18152	18153	18154	18155
##	6.399184e+03	8.417672e+03	8.010063e+03	8.735316e+03	6.870830e+03
##	18156	18157	18158	18159	18160
##	6.772272e+03	6.534276e+03	8.302763e+03	7.923599e+03	8.196372e+03
##	18161	18162	18163	18164	18165
##	7.638302e+03	7.373885e+03	8.266046e+03	7.154203e+03	8.538823e+03
##	18166	18167	18168	18169	18170
##	8.087400e+03	8.795787e+03	6.665000e+03	7.771739e+03	6.750501e+03
##	18171	18172	18173	18174	18175
##	6.741007e+03	6.631066e+03	6.495211e+03	6.549014e+03	8.007631e+03
##	18176	18177	18178	18179	18180
##	8.637237e+03	7.438783e+03	6.281203e+03	8.760012e+03	8.724571e+03
##	18181	18182	18183	18184	18185
##	6.287121e+03	7.776624e+03	7.344348e+03	7.052605e+03	6.559823e+03
##	18186	18187	18188	18189	18190
##	7.531016e+03	7.177539e+03	7.217235e+03	7.241616e+03	7.004949e+03
##	18191	18192	18193	18194	18195
##	6.689650e+03	7.069069e+03	7.727940e+03	7.632994e+03	9.280687e+03
##	18196	18197	18198	18199	18200
##	7.111637e+03	1.026145e+04	8.798762e+03	8.363811e+03	8.684473e+03
##	18201	18202	18203	18204	18205
##	8.834039e+03	7.885695e+03	8.018743e+03	7.776808e+03	6.591846e+03
##	18206	18207	18208	18209	18210
##	7.579608e+03	8.132316e+03	8.885595e+03	6.480808e+03	6.603650e+03
##	18211	18212	18213	18214	18215
##	6.611375e+03	6.401024e+03	5.719807e+03	8.166854e+03	8.023843e+03
##	18216	18217	18218	18219	18220
##	6.526659e+03	6.544450e+03	6.403755e+03	6.226739e+03	6.382818e+03
##	18221	18222	18223	18224	18225
##	5.893110e+03	7.596484e+03	7.602698e+03	7.649488e+03	7.681133e+03
##	18226	18227	18228	18229	18230
##	6.630907e+03	7.069809e+03	8.107523e+03	7.284012e+03	8.698343e+03
##	18231	18232	18233	18234	18235
##	6.731204e+03	1.044042e+04	7.359019e+03	7.279888e+03	7.497750e+03
##	18236	18237	18238	18239	18240
##	7.755218e+03	6.862888e+03	8.349267e+03	6.737793e+03	8.477806e+03
##	18241	18242	18243	18244	18245

##	6.822952e+03	8.347314e+03	6.301909e+03	6.476816e+03	6.253370e+03
##	18246	18247	18248	18249	18250
##	6.342102e+03	6.604702e+03	6.573698e+03	7.589724e+03	7.864916e+03
##	18251	18252	18253	18254	18255
##	7.625048e+03	7.790051e+03	1.086484e+04	8.342514e+03	6.458903e+03
##	18256	18257	18258	18259	18260
##	7.027483e+03	8.300044e+03	6.372679e+03	7.996106e+03	9.329543e+03
##	18261	18262	18263	18264	18265
##	7.779757e+03	7.781269e+03	8.757204e+03	8.842000e+03	8.705013e+03
##	18266	18267	18268	18269	18270
##	8.820560e+03	8.776586e+03	8.925980e+03	7.914383e+03	7.994813e+03
##	18271	18272	18273	18274	18275
##	6.490206e+03	6.341322e+03	7.838395e+03	1.092022e+04	6.953933e+03
##	18276	18277	18278	18279	18280
##	6.497415e+03	7.567708e+03	7.218370e+03	8.664404e+03	7.552472e+03
##	18281	18282	18283	18284	18285
##	7.913537e+03	8.605799e+03	7.496456e+03	7.395754e+03	8.727745e+03
##	18286	18287	18288	18289	18290
##	8.626769e+03	6.770386e+03	6.561482e+03	6.717291e+03	7.078553e+03
##	18291	18292	18293	18294	18295
##	7.440099e+03	7.701270e+03	8.938065e+03	9.728178e+03	8.327141e+03
##	18296	18297	18298	18299	18300
##	7.695020e+03	8.293030e+03	7.188652e+03	8.256858e+03	8.265879e+03
##	18301	18302	18303	18304	18305
##	8.287019e+03	7.995711e+03	7.718619e+03	6.476579e+03	6.503197e+03
##	18306	18307	18308	18309	18310
##	6.756637e+03	8.152567e+03	9.291508e+03	8.144386e+03	8.004099e+03
##	18311	18312	18313	18314	18315
##	7.051532e+03	7.143538e+03	7.689004e+03	8.228054e+03	6.454322e+03
##	18316	18317	18318	18319	18320
##	6.460053e+03	6.348287e+03	7.519807e+03	6.488247e+03	6.406260e+03
##	18321	18322	18323	18324	18325
##	6.622713e+03	8.448507e+03	6.452010e+03	7.158539e+03	7.977410e+03
##	18326	18327	18328	18329	18330
##	7.763820e+03	6.557650e+03	8.711210e+03	7.241754e+03	6.720435e+03
##	18331	18332	18333	18334	18335
##	6.696076e+03	6.631986e+03	8.277930e+03	6.973079e+03	6.644185e+03
##	18336	18337	18338	18339	18340
##	9.403333e+03	7.261266e+03	8.459477e+03	9.444873e+03	8.080456e+03
##	18341	18342	18343	18344	18345
##	7.518223e+03	9.220334e+03	9.666133e+03	6.642642e+03	6.651975e+03
##	18346	18347	18348	18349	18350
##	6.536926e+03	6.647196e+03	6.484383e+03	6.666926e+03	7.610360e+03
##	18351	18352	18353	18354	18355
##	6.460329e+03	6.681107e+03	6.656175e+03	6.440930e+03	8.890991e+03
##	18356	18357	18358	18359	18360
##	6.702715e+03	6.499154e+03	9.567059e+03	8.745502e+03	7.042014e+03
##	18361	18362	18363	18364	18365
##	2.552619e+02	2.286787e+02	3.675950e+02	2.898168e+02	2.929135e+02
##	18366	18367	18368	18369	18370
##	2.250728e+02	4.261339e+02	-9.056175e+02	5.224900e+02	-8.196629e+02
##	18371	18372	18373	18374	18375
##	7.952988e+02	-7.547492e+02	-9.539157e+02	7.856930e+02	9.143590e+02
##	18376	18377	18378	18379	18380

##	-1.021137e+03	8.529565e+02	8.121305e+02	-2.125317e+02	-6.692442e+02
##	18381	18382	18383	18384	18385
##	5.815680e+02	9.394505e+02	-4.797860e+02	6.807866e+02	6.320465e+02
##	18386	18387	18388	18389	18390
##	6.151329e+02	-9.568924e+02	7.532975e+02	7.486021e+02	2.495550e+02
##	18391	18392	18393	18394	18395
##	7.849774e+03	7.267260e+03	7.659299e+03	7.848535e+03	7.995162e+03
##	18396	18397	18398	18399	18400
##	8.585851e+03	9.915773e+03	6.887991e+03	6.795500e+03	7.223569e+03
##	18401	18402	18403	18404	18405
##	8.353366e+03	7.052364e+03	1.049372e+04	7.016544e+03	8.134753e+03
##	18406	18407	18408	18409	18410
##	8.307374e+03	7.089750e+03	7.067357e+03	6.643240e+03	6.893350e+03
##	18411	18412	18413	18414	18415
##	1.003590e+04	8.685543e+03	6.535019e+03	7.673451e+03	7.011400e+03
##	18416	18417	18418	18419	18420
##	6.556492e+03	6.615809e+03	7.962129e+03	9.541089e+03	6.498708e+03
##	18421	18422	18423	18424	18425
##	7.196718e+03	8.376958e+03	9.775503e+03	8.696909e+03	6.442207e+03
##	18426	18427	18428	18429	18430
##	7.255591e+03	7.893063e+03	9.614659e+03	6.834465e+03	7.430296e+03
##	18431	18432	18433	18434	18435
##	8.606525e+03	8.410026e+03	7.877224e+03	7.496534e+03	6.494086e+03
##	18436	18437	18438	18439	18440
##	8.486469e+03	8.533470e+03	8.358602e+03	6.839008e+03	8.376738e+03
##	18441	18442	18443	18444	18445
##	8.586890e+03	7.197254e+03	6.685801e+03	8.799942e+03	8.748379e+03
##	18446	18447	18448	18449	18450
##	7.852240e+03	6.461235e+03	9.323326e+03	7.377711e+03	8.830888e+03
##	18451	18452	18453	18454	18455
##	8.845971e+03	9.179490e+03	7.523603e+03	6.757855e+03	6.529287e+03
##	18456	18457	18458	18459	18460
##	6.475913e+03	8.926506e+03	6.600446e+03	7.751806e+03	1.233567e+04
##	18461	18462	18463	18464	18465
##	7.022126e+03	8.767452e+03	6.514775e+03	9.379750e+03	7.119421e+03
##	18466	18467	18468	18469	18470
##	7.481217e+03	7.627829e+03	8.788051e+03	7.960709e+03	9.209436e+03
##	18471	18472	18473	18474	18475
##	7.759975e+03	6.746754e+03	8.233957e+03	7.040386e+03	6.911524e+03
##	18476	18477	18478	18479	18480
##	6.232740e+03	6.861038e+03	6.820792e+03	7.643255e+03	6.745722e+03
##	18481	18482	18483	18484	18485
##	6.521267e+03	7.480301e+03	8.100428e+03	7.957435e+03	7.987953e+03
##	18486	18487	18488	18489	18490
##	7.631837e+03	6.545110e+03	6.706627e+03	6.583141e+03	6.462053e+03
##	18491	18492	18493	18494	18495
##	6.475487e+03	6.619242e+03	7.305032e+03	8.672157e+03	6.516988e+03
##	18496	18497	18498	18499	18500
##	6.609378e+03	1.014796e+04	6.747402e+03	9.418697e+03	7.587462e+03
##	18501	18502	18503	18504	18505
##	9.965259e+03	8.223253e+03	6.644428e+03	8.312865e+03	6.392505e+03
##	18506	18507	18508	18509	18510
##	6.563433e+03	6.680390e+03	6.900003e+03	6.935287e+03	5.986849e+03
##	18511	18512	18513	18514	18515

##	8.211009e+03	7.287784e+03	7.577865e+03	7.815564e+03	7.594512e+03
##	18516	18517	18518	18519	18520
##	7.569366e+03	7.030908e+03	6.909492e+03	8.448994e+03	8.639561e+03
##	18521	18522	18523	18524	18525
##	9.090627e+03	9.046227e+03	7.292159e+03	8.284512e+03	9.118335e+03
##	18526	18527	18528	18529	18530
##	7.603508e+03	6.981415e+03	6.504405e+03	7.086825e+03	7.082793e+03
##	18531	18532	18533	18534	18535
##	6.254384e+03	8.774492e+03	8.735872e+03	8.856870e+03	8.867183e+03
##	18536	18537	18538	18539	18540
##	8.655417e+03	8.760236e+03	9.036438e+03	8.930805e+03	7.612430e+03
##	18541	18542	18543	18544	18545
##	6.282854e+03	8.762677e+03	8.740916e+03	9.619622e+03	8.370957e+03
##	18546	18547	18548	18549	18550
##	9.260186e+03	9.337080e+03	8.011758e+03	7.807703e+03	7.331734e+03
##	18551	18552	18553	18554	18555
##	7.430089e+03	7.450990e+03	7.643033e+03	6.952144e+03	6.156113e+03
##	18556	18557	18558	18559	18560
##	7.736195e+03	6.676577e+03	6.647441e+03	7.833813e+03	8.281958e+03
##	18561	18562	18563	18564	18565
##	6.663789e+03	7.844765e+03	7.685738e+03	6.291006e+03	7.051298e+03
##	18566	18567	18568	18569	18570
##	6.443545e+03	8.271486e+03	7.229646e+03	8.241326e+03	6.488597e+03
##	18571	18572	18573	18574	18575
##	6.806077e+03	6.765730e+03	8.116164e+03	6.664485e+03	6.731335e+03
##	18576	18577	18578	18579	18580
##	1.008352e+04	7.844618e+03	9.522028e+03	8.149827e+03	8.230622e+03
##	18581	18582	18583	18584	18585
##	8.505417e+03	8.363710e+03	8.318999e+03	8.320172e+03	7.389169e+03
##	18586	18587	18588	18589	18590
##	8.834835e+03	6.604081e+03	8.908874e+03	9.591662e+03	7.533383e+03
##	18591	18592	18593	18594	18595
##	9.974636e+03	1.009429e+04	6.569580e+03	7.422350e+03	6.579048e+03
##	18596	18597	18598	18599	18600
##	6.627371e+03	7.473110e+03	7.156942e+03	6.467890e+03	6.693115e+03
##	18601	18602	18603	18604	18605
##	7.251838e+03	8.375083e+03	7.335393e+03	8.410119e+03	7.745062e+03
##	18606	18607	18608	18609	18610
##	6.903039e+03	6.512576e+03	8.443153e+03	6.617360e+03	7.117824e+03
##	18611	18612	18613	18614	18615
##	7.749104e+03	8.539479e+03	8.934295e+03	6.757302e+03	1.010586e+04
##	18616	18617	18618	18619	18620
##	7.236401e+03	6.898368e+03	6.909846e+03	7.194526e+03	6.533385e+03
##	18621	18622	18623	18624	18625
##	6.815128e+03	6.445986e+03	7.231180e+03	7.991258e+03	8.679549e+03
##	18626	18627	18628	18629	18630
##	7.453704e+03	6.586124e+03	6.738422e+03	6.531397e+03	6.759352e+03
##	18631	18632	18633	18634	18635
##	7.497771e+03	6.549066e+03	6.612106e+03	6.486032e+03	6.621439e+03
##	18636	18637	18638	18639	18640
##	6.576642e+03	7.620605e+03	7.764553e+03	8.109887e+03	6.174545e+03
##	18641	18642	18643	18644	18645
##	6.182666e+03	9.782007e+03	7.011478e+03	8.151255e+03	9.468207e+03
##	18646	18647	18648	18649	18650

##	6.568702e+03	7.803332e+03	6.889923e+03	6.708717e+03	6.922771e+03
##	18651	18652	18653	18654	18655
##	1.028323e+04	8.246302e+03	8.885141e+03	7.188444e+03	8.192408e+03
##	18656	18657	18658	18659	18660
##	8.824672e+03	6.554019e+03	7.533539e+03	7.479593e+03	8.366394e+03
##	18661	18662	18663	18664	18665
##	6.956673e+03	7.174664e+03	9.592482e+03	6.987794e+03	8.494057e+03
##	18666	18667	18668	18669	18670
##	8.348589e+03	8.177240e+03	6.397911e+03	6.814108e+03	7.389581e+03
##	18671	18672	18673	18674	18675
##	7.322606e+03	7.123513e+03	7.038122e+03	8.091803e+03	8.998626e+03
##	18676	18677	18678	18679	18680
##	7.974591e+03	9.427829e+03	6.786982e+03	8.232050e+03	6.788114e+03
##	18681	18682	18683	18684	18685
##	8.546175e+03	7.252079e+03	8.546827e+03	8.825565e+03	6.790754e+03
##	18686	18687	18688	18689	18690
##	9.455456e+03	6.580948e+03	6.619542e+03	9.210448e+03	9.210448e+03
##	18691	18692	18693	18694	18695
##	6.862692e+02	7.576137e+02	5.985937e+02	8.688476e+02	8.726838e+02
##	18696	18697	18698	18699	18700
##	-3.063974e+02	9.916973e+02	4.883879e+02	2.238911e+02	-9.842976e+01
##	18701	18702	18703	18704	18705
##	4.672274e+02	6.729967e+02	3.097539e+02	2.888629e+02	8.496104e+02
##	18706	18707	18708	18709	18710
##	9.681619e+02	9.110483e+02	9.296752e+02	1.010119e+03	9.780448e+02
##	18711	18712	18713	18714	18715
##	1.165880e+03	1.136416e+03	8.896871e+02	1.009724e+03	1.066868e+03
##	18716	18717	18718	18719	18720
##	9.857382e+02	1.006686e+03	5.368357e+02	5.321911e+02	5.728984e+02
##	18721	18722	18723	18724	18725
##	7.995522e+03	7.984501e+03	6.752018e+03	1.137276e+04	6.609221e+03
##	18726	18727	18728	18729	18730
##	8.396197e+03	7.615491e+03	6.361278e+03	6.603194e+03	8.989531e+03
##	18731	18732	18733	18734	18735
##	7.990144e+03	8.853111e+03	6.486751e+03	8.854138e+03	6.776062e+03
##	18736	18737	18738	18739	18740
##	6.699287e+03	8.849952e+03	7.940341e+03	6.730664e+03	6.659063e+03
##	18741	18742	18743	18744	18745
##	1.004976e+04	6.770251e+03	7.099318e+03	8.114610e+03	8.398832e+03
##	18746	18747	18748	18749	18750
##	8.102287e+03	8.329360e+03	7.695601e+03	7.799598e+03	1.053542e+04
##	18751	18752	18753	18754	18755
##	6.330546e+03	6.565955e+03	6.598145e+03	6.370445e+03	6.581803e+03
##	18756	18757	18758	18759	18760
##	6.655734e+03	8.013073e+03	6.963903e+03	7.805071e+03	7.751047e+03
##	18761	18762	18763	18764	18765
##	7.068332e+03	7.296665e+03	6.883323e+03	6.560668e+03	6.466817e+03
##	18766	18767	18768	18769	18770
##	1.047360e+04	7.583160e+03	8.071938e+03	6.501605e+03	8.260628e+03
##	18771	18772	18773	18774	18775
##	9.193128e+03	6.818426e+03	6.745283e+03	6.788355e+03	6.558080e+03
##	18776	18777	18778	18779	18780
##	6.654679e+03	7.894958e+03	6.498821e+03	6.613892e+03	8.430795e+03
##	18781	18782	18783	18784	18785

##	9.622770e+03	6.794534e+03	6.894573e+03	6.894691e+03	8.365374e+03
##	18786	18787	18788	18789	18790
##	6.877057e+03	6.611126e+03	8.487338e+03	7.074123e+03	9.407115e+03
##	18791	18792	18793	18794	18795
##	7.308393e+03	7.500309e+03	7.606480e+03	7.220909e+03	8.506918e+03
##	18796	18797	18798	18799	18800
##	8.183123e+03	6.649659e+03	8.315487e+03	8.994877e+03	9.135261e+03
##	18801	18802	18803	18804	18805
##	7.058213e+03	8.922297e+03	9.297907e+03	9.653072e+03	9.017955e+03
##	18806	18807	18808	18809	18810
##	8.906932e+03	9.104969e+03	6.706936e+03	6.810169e+03	6.693048e+03
##	18811	18812	18813	18814	18815
##	6.893508e+03	7.675086e+03	7.321868e+03	7.855479e+03	8.548152e+03
##	18816	18817	18818	18819	18820
##	8.884065e+03	9.752999e+03	7.449318e+03	6.655661e+03	9.421241e+03
##	18821	18822	18823	18824	18825
##	7.077687e+03	9.436972e+03	6.446850e+03	7.826861e+03	6.251180e+03
##	18826	18827	18828	18829	18830
##	9.947864e+03	8.553815e+03	8.356336e+03	7.873476e+03	7.991868e+03
##	18831	18832	18833	18834	18835
##	7.879447e+03	6.700895e+03	7.447347e+03	6.402339e+03	6.609365e+03
##	18836	18837	18838	18839	18840
##	7.338263e+03	8.462958e+03	9.286508e+03	8.962792e+03	8.893341e+03
##	18841	18842	18843	18844	18845
##	8.600701e+03	8.735321e+03	8.420656e+03	6.781640e+03	6.671807e+03
##	18846	18847	18848	18849	18850
##	6.288774e+03	6.662579e+03	9.096452e+03	8.394587e+03	7.626039e+03
##	18851	18852	18853	18854	18855
##	8.339193e+03	7.284499e+03	7.722414e+03	9.241532e+03	8.014529e+03
##	18856	18857	18858	18859	18860
##	6.823929e+03	9.772758e+03	8.591739e+03	8.308029e+03	1.058895e+04
##	18861	18862	18863	18864	18865
##	8.105717e+03	6.897999e+03	8.233840e+03	9.529691e+03	8.830691e+03
##	18866	18867	18868	18869	18870
##	9.420205e+03	9.153782e+03	6.635703e+03	7.927663e+03	8.899143e+03
##	18871	18872	18873	18874	18875
##	7.075675e+03	9.438607e+03	6.601921e+03	7.221194e+03	9.331780e+03
##	18876	18877	18878	18879	18880
##	6.986857e+03	9.128355e+03	6.718637e+03	6.687529e+03	7.822680e+03
##	18881	18882	18883	18884	18885
##	7.686207e+03	7.984794e+03	5.970082e+03	8.006261e+03	8.814401e+03
##	18886	18887	18888	18889	18890
##	6.458614e+03	6.716627e+03	6.616543e+03	9.471625e+03	8.371854e+03
##	18891	18892	18893	18894	18895
##	8.533963e+03	6.409317e+03	6.982532e+03	8.495439e+03	7.655583e+03
##	18896	18897	18898	18899	18900
##	6.866627e+03	8.189626e+03	6.981688e+03	7.563957e+03	6.839030e+03
##	18901	18902	18903	18904	18905
##	1.051838e+04	1.026602e+04	8.503587e+03	7.440487e+03	1.016117e+04
##	18906	18907	18908	18909	18910
##	8.940667e+03	7.266686e+03	9.597322e+03	8.323135e+03	8.773779e+03
##	18911	18912	18913	18914	18915
##	7.507225e+03	7.822328e+03	7.239102e+03	7.008414e+03	6.558844e+03
##	18916	18917	18918	18919	18920

##	9.303422e+03	8.699176e+03	8.133306e+03	8.158327e+03	7.097714e+03
##	18921	18922	18923	18924	18925
##	7.736075e+03	6.701729e+03	9.825932e+03	8.965070e+03	8.774182e+03
##	18926	18927	18928	18929	18930
##	8.448958e+03	8.458180e+03	8.957911e+03	6.743208e+03	6.775930e+03
##	18931	18932	18933	18934	18935
##	6.791116e+03	6.699189e+03	1.030646e+04	8.997558e+03	9.817316e+03
##	18936	18937	18938	18939	18940
##	6.964199e+03	7.492228e+03	8.090619e+03	6.777634e+03	8.154679e+03
##	18941	18942	18943	18944	18945
##	6.732258e+03	7.956892e+03	7.699041e+03	7.895349e+03	6.823732e+03
##	18946	18947	18948	18949	18950
##	8.613090e+03	6.906102e+03	8.193032e+03	6.562344e+03	6.600958e+03
##	18951	18952	18953	18954	18955
##	7.907380e+03	7.851609e+03	6.476222e+03	6.905635e+03	7.729334e+03
##	18956	18957	18958	18959	18960
##	7.089834e+03	9.283693e+03	6.775076e+03	8.017045e+03	1.096430e+04
##	18961	18962	18963	18964	18965
##	7.919056e+03	6.553276e+03	8.358118e+03	7.961326e+03	8.815981e+03
##	18966	18967	18968	18969	18970
##	7.944168e+03	7.469033e+03	6.857193e+03	6.781985e+03	7.911286e+03
##	18971	18972	18973	18974	18975
##	7.552846e+03	9.374160e+03	6.892106e+03	6.863964e+03	9.533462e+03
##	18976	18977	18978	18979	18980
##	7.817323e+03	6.763060e+03	6.780091e+03	8.213223e+03	6.761783e+03
##	18981	18982	18983	18984	18985
##	8.490031e+03	6.722703e+03	9.338851e+03	7.057579e+03	6.967578e+03
##	18986	18987	18988	18989	18990
##	6.067316e+03	7.901176e+03	7.471355e+03	8.494057e+03	7.673563e+03
##	18991	18992	18993	18994	18995
##	6.767998e+03	8.339108e+03	7.518381e+03	8.370511e+03	7.165436e+03
##	18996	18997	18998	18999	19000
##	6.597511e+03	6.636638e+03	6.672926e+03	6.818673e+03	8.156847e+03
##	19001	19002	19003	19004	19005
##	6.881882e+03	6.926979e+03	8.613402e+03	7.284651e+03	7.053765e+03
##	19006	19007	19008	19009	19010
##	7.998394e+03	6.719792e+03	8.178547e+03	8.018140e+03	7.973703e+03
##	19011	19012	19013	19014	19015
##	7.313219e+03	7.360440e+03	7.907968e+03	9.331819e+03	9.314101e+03
##	19016	19017	19018	19019	19020
##	8.744739e+03	7.418455e+03	8.881837e+03	1.226365e+04	6.937506e+03
##	19021	19022	19023	19024	19025
##	7.588879e+02	1.015119e+03	1.127681e+03	1.103031e+03	1.067531e+03
##	19026	19027	19028	19029	19030
##	4.144640e+02	2.830415e+02	6.358036e+02	4.660160e+02	1.007361e+03
##	19031	19032	19033	19034	19035
##	-6.016780e+02	6.056162e+02	5.946516e+02	5.838882e+02	5.854456e+02
##	19036	19037	19038	19039	19040
##	5.794511e+02	8.654762e+02	8.922637e+02	9.055715e+02	8.152390e+02
##	19041	19042	19043	19044	19045
##	8.392702e+02	8.100160e+02	5.567931e+02	-8.176963e+02	7.319383e+02
##	19046	19047	19048	19049	19050
##	7.447122e+02	1.084540e+03	1.104790e+03	1.156317e+03	1.216957e+03
##	19051	19052	19053	19054	19055

##	8.874769e+03	7.123628e+03	6.746311e+03	8.881582e+03	8.321533e+03
##	19056	19057	19058	19059	19060
##	6.531814e+03	8.797250e+03	9.292207e+03	1.170962e+04	6.480089e+03
##	19061	19062	19063	19064	19065
##	8.090982e+03	9.737467e+03	8.168826e+03	6.700656e+03	1.007456e+04
##	19066	19067	19068	19069	19070
##	8.807491e+03	6.730254e+03	9.375584e+03	9.136429e+03	9.088166e+03
##	19071	19072	19073	19074	19075
##	8.880406e+03	8.943447e+03	9.390705e+03	8.768671e+03	1.007064e+04
##	19076	19077	19078	19079	19080
##	7.932500e+03	6.921933e+03	8.205111e+03	8.542399e+03	7.173658e+03
##	19081	19082	19083	19084	19085
##	6.733618e+03	1.546450e+04	8.533458e+03	1.038773e+04	7.013950e+03
##	19086	19087	19088	19089	19090
##	8.505825e+03	6.845158e+03	6.613893e+03	9.769767e+03	9.194900e+03
##	19091	19092	19093	19094	19095
##	9.872824e+03	1.253514e+04	7.250063e+03	6.506625e+03	6.666947e+03
##	19096	19097	19098	19099	19100
##	7.174830e+03	8.589990e+03	8.740146e+03	7.396925e+03	8.089726e+03
##	19101	19102	19103	19104	19105
##	8.178745e+03	7.680616e+03	6.582578e+03	7.007604e+03	7.912742e+03
##	19106	19107	19108	19109	19110
##	7.805584e+03	9.284286e+03	6.969920e+03	9.560968e+03	6.657562e+03
##	19111	19112	19113	19114	19115
##	7.375464e+03	7.613343e+03	6.851762e+03	6.630881e+03	8.282099e+03
##	19116	19117	19118	19119	19120
##	7.486515e+03	6.925785e+03	6.699642e+03	6.729955e+03	6.696270e+03
##	19121	19122	19123	19124	19125
##	6.463732e+03	8.803168e+03	6.575828e+03	8.545909e+03	6.071505e+03
##	19126	19127	19128	19129	19130
##	9.099055e+03	8.809314e+03	8.822032e+03	8.345378e+03	6.890757e+03
##	19131	19132	19133	19134	19135
##	8.910131e+03	7.002165e+03	7.275911e+03	7.696730e+03	6.377726e+03
##	19136	19137	19138	19139	19140
##	9.526640e+03	9.876064e+03	8.104887e+03	7.740898e+03	7.405438e+03
##	19141	19142	19143	19144	19145
##	7.502736e+03	9.252528e+03	7.826987e+03	8.986391e+03	6.849818e+03
##	19146	19147	19148	19149	19150
##	8.699176e+03	7.617301e+03	7.041467e+03	7.615435e+03	9.170578e+03
##	19151	19152	19153	19154	19155
##	9.652447e+03	7.905464e+03	8.259606e+03	6.706580e+03	9.547924e+03
##	19156	19157	19158	19159	19160
##	8.274820e+03	6.737461e+03	7.330725e+03	7.359740e+03	6.967598e+03
##	19161	19162	19163	19164	19165
##	6.050894e+03	8.671538e+03	6.699508e+03	7.250069e+03	1.175282e+04
##	19166	19167	19168	19169	19170
##	8.090502e+03	9.781557e+03	6.892948e+03	8.070520e+03	7.066651e+03
##	19171	19172	19173	19174	19175
##	7.842890e+03	8.205320e+03	8.042851e+03	7.665866e+03	8.779833e+03
##	19176	19177	19178	19179	19180
##	7.785224e+03	8.451192e+03	7.788781e+03	8.695318e+03	1.177586e+04
##	19181	19182	19183	19184	19185
##	9.104759e+03	7.274725e+03	6.850397e+03	1.146443e+04	9.143723e+03
##	19186	19187	19188	19189	19190

##	8.069845e+03	7.698130e+03	8.692747e+03	6.813694e+03	8.046919e+03
##	19191	19192	19193	19194	19195
##	6.629056e+03	9.610067e+03	9.143056e+03	8.393529e+03	6.637342e+03
##	19196	19197	19198	19199	19200
##	7.995088e+03	8.235551e+03	7.558320e+03	1.003438e+04	6.616873e+03
##	19201	19202	19203	19204	19205
##	9.645950e+03	8.660864e+03	8.696264e+03	6.739844e+03	9.341831e+03
##	19206	19207	19208	19209	19210
##	9.218030e+03	6.982068e+03	9.513104e+03	6.988027e+03	8.146060e+03
##	19211	19212	19213	19214	19215
##	6.591895e+03	6.962663e+03	7.615959e+03	9.049871e+03	8.693723e+03
##	19216	19217	19218	19219	19220
##	7.861454e+03	7.860461e+03	1.066165e+04	6.212197e+03	6.840168e+03
##	19221	19222	19223	19224	19225
##	7.696426e+03	9.985326e+03	8.320875e+03	6.632212e+03	6.595924e+03
##	19226	19227	19228	19229	19230
##	6.474687e+03	6.556796e+03	8.489891e+03	6.913204e+03	6.823629e+03
##	19231	19232	19233	19234	19235
##	1.024859e+04	6.826109e+03	7.474607e+03	9.278459e+03	8.323975e+03
##	19236	19237	19238	19239	19240
##	8.456869e+03	7.492771e+03	7.106151e+03	7.034556e+03	7.253637e+03
##	19241	19242	19243	19244	19245
##	8.707976e+03	8.069446e+03	7.161847e+03	8.930005e+03	6.664781e+03
##	19246	19247	19248	19249	19250
##	9.259832e+03	1.029675e+04	8.016967e+03	6.484997e+03	8.484368e+03
##	19251	19252	19253	19254	19255
##	9.116458e+03	7.775442e+03	1.111606e+04	9.297032e+03	8.112488e+03
##	19256	19257	19258	19259	19260
##	8.939042e+03	8.378321e+03	8.755043e+03	8.704150e+03	8.201551e+03
##	19261	19262	19263	19264	19265
##	9.167607e+03	7.939739e+03	8.332126e+03	8.739463e+03	8.773669e+03
##	19266	19267	19268	19269	19270
##	8.966365e+03	8.851838e+03	7.039465e+03	7.170371e+03	7.913563e+03
##	19271	19272	19273	19274	19275
##	7.862847e+03	7.794356e+03	7.717868e+03	8.664295e+03	8.513273e+03
##	19276	19277	19278	19279	19280
##	9.914722e+03	8.914441e+03	1.016992e+04	7.939098e+03	6.978410e+03
##	19281	19282	19283	19284	19285
##	7.210777e+03	8.166199e+03	6.583357e+03	6.849983e+03	7.291325e+03
##	19286	19287	19288	19289	19290
##	6.889333e+03	6.727056e+03	6.501180e+03	8.887602e+03	8.153034e+03
##	19291	19292	19293	19294	19295
##	6.517632e+03	6.750394e+03	6.838342e+03	7.078717e+03	9.565783e+03
##	19296	19297	19298	19299	19300
##	9.096415e+03	8.215822e+03	8.236245e+03	8.316900e+03	7.055788e+03
##	19301	19302	19303	19304	19305
##	6.705121e+03	7.516530e+03	7.739628e+03	8.261740e+03	7.754691e+03
##	19306	19307	19308	19309	19310
##	9.841515e+03	7.581462e+03	8.296978e+03	6.939384e+03	6.642029e+03
##	19311	19312	19313	19314	19315
##	9.565793e+03	8.405841e+03	6.818302e+03	6.750988e+03	1.116198e+04
##	19316	19317	19318	19319	19320
##	8.231206e+03	6.767891e+03	6.787057e+03	7.789826e+03	7.780024e+03
##	19321	19322	19323	19324	19325

##	7.678752e+03	7.553280e+03	7.725730e+03	8.574159e+03	1.029389e+04
##	19326	19327	19328	19329	19330
##	8.930487e+03	6.803068e+03	8.092133e+03	8.906285e+03	8.907831e+03
##	19331	19332	19333	19334	19335
##	8.480630e+03	1.221790e+04	9.344524e+03	7.971649e+03	7.589066e+03
##	19336	19337	19338	19339	19340
##	9.027567e+03	7.649450e+03	8.243022e+03	7.888037e+03	2.045458e+04
##	19341	19342	19343	19344	19345
##	6.860221e+03	8.835503e+03	7.006991e+03	7.255554e+03	9.602101e+03
##	19346	19347	19348	19349	19350
##	1.099450e+04	1.996669e+04	8.421548e+03	1.061865e+04	8.253029e+03
##	19351	19352	19353	19354	19355
##	1.267166e+03	6.606274e+02	5.873266e+02	-5.289374e+02	9.283425e+02
##	19356	19357	19358	19359	19360
##	9.229381e+02	1.050522e+03	9.454430e+02	1.370280e+03	1.163767e+03
##	19361	19362	19363	19364	19365
##	1.103862e+03	1.130382e+03	1.332487e+03	1.074041e+03	1.006014e+03
##	19366	19367	19368	19369	19370
##	-2.457331e+02	-4.287870e+02	-6.187560e+02	-4.499420e+02	-3.750584e+02
##	19371	19372	19373	19374	19375
##	1.276727e+03	1.078574e+03	1.123723e+03	1.168828e+03	1.081024e+03
##	19376	19377	19378	19379	19380
##	1.143857e+03	-3.299974e+02	-6.170258e+02	-5.965062e+02	-3.344906e+02
##	19381	19382	19383	19384	19385
##	8.287169e+03	9.246832e+03	7.519755e+03	9.072027e+03	9.140042e+03
##	19386	19387	19388	19389	19390
##	8.532839e+03	8.076571e+03	8.079792e+03	7.277322e+03	9.176151e+03
##	19391	19392	19393	19394	19395
##	8.863072e+03	7.520132e+03	9.527059e+03	9.296998e+03	9.244036e+03
##	19396	19397	19398	19399	19400
##	7.218824e+03	7.464734e+03	6.706925e+03	8.636815e+03	7.941706e+03
##	19401	19402	19403	19404	19405
##	7.986873e+03	8.343879e+03	8.610466e+03	8.365795e+03	7.365670e+03
##	19406	19407	19408	19409	19410
##	8.103228e+03	9.886441e+03	8.203165e+03	9.324646e+03	7.186800e+03
##	19411	19412	19413	19414	19415
##	8.009073e+03	9.191108e+03	7.928378e+03	8.857917e+03	8.411220e+03
##	19416	19417	19418	19419	19420
##	8.382805e+03	7.726579e+03	7.771640e+03	7.774572e+03	9.015898e+03
##	19421	19422	19423	19424	19425
##	7.354538e+03	8.592870e+03	8.675040e+03	9.465742e+03	9.301118e+03
##	19426	19427	19428	19429	19430
##	6.707887e+03	6.587696e+03	7.935004e+03	8.907770e+03	8.368173e+03
##	19431	19432	19433	19434	19435
##	6.639740e+03	7.444293e+03	9.004641e+03	6.527891e+03	8.123311e+03
##	19436	19437	19438	19439	19440
##	9.371503e+03	6.788716e+03	6.723411e+03	9.221509e+03	8.535267e+03
##	19441	19442	19443	19444	19445
##	6.880075e+03	6.929843e+03	6.903921e+03	6.887074e+03	8.708712e+03
##	19446	19447	19448	19449	19450
##	9.324632e+03	9.150786e+03	6.817009e+03	8.954553e+03	7.919535e+03
##	19451	19452	19453	19454	19455
##	6.941353e+03	8.084173e+03	8.013909e+03	7.670882e+03	6.986596e+03
##	19456	19457	19458	19459	19460

##	6.708390e+03	8.742109e+03	6.855708e+03	1.077815e+04	1.285677e+04
##	19461	19462	19463	19464	19465
##	8.245222e+03	6.909419e+03	8.922439e+03	7.655712e+03	9.561897e+03
##	19466	19467	19468	19469	19470
##	9.325645e+03	9.546582e+03	7.925989e+03	8.423668e+03	9.189822e+03
##	19471	19472	19473	19474	19475
##	9.193545e+03	7.389629e+03	7.343512e+03	7.306005e+03	9.383529e+03
##	19476	19477	19478	19479	19480
##	8.223748e+03	7.834068e+03	6.874900e+03	6.616971e+03	1.034333e+04
##	19481	19482	19483	19484	19485
##	8.890121e+03	1.008855e+04	6.565650e+03	7.162486e+03	7.257980e+03
##	19486	19487	19488	19489	19490
##	7.100798e+03	7.029203e+03	7.638441e+03	7.749064e+03	8.207839e+03
##	19491	19492	19493	19494	19495
##	6.750277e+03	8.579779e+03	8.884734e+03	8.006710e+03	7.346778e+03
##	19496	19497	19498	19499	19500
##	7.352531e+03	8.403198e+03	8.065387e+03	8.171015e+03	6.790364e+03
##	19501	19502	19503	19504	19505
##	6.689393e+03	8.416616e+03	9.361066e+03	1.041948e+04	9.255101e+03
##	19506	19507	19508	19509	19510
##	6.624811e+03	6.394421e+03	9.216987e+03	8.433214e+03	8.022929e+03
##	19511	19512	19513	19514	19515
##	8.883888e+03	8.359616e+03	7.390932e+03	1.054183e+04	8.534448e+03
##	19516	19517	19518	19519	19520
##	8.944396e+03	7.553209e+03	7.170062e+03	7.974438e+03	9.190163e+03
##	19521	19522	19523	19524	19525
##	6.873801e+03	6.615090e+03	7.459743e+03	6.719858e+03	6.738020e+03
##	19526	19527	19528	19529	19530
##	7.116521e+03	8.912022e+03	7.304449e+03	8.633860e+03	6.664406e+03
##	19531	19532	19533	19534	19535
##	8.277699e+03	9.864813e+03	9.825523e+03	9.290041e+03	7.836803e+03
##	19536	19537	19538	19539	19540
##	6.962125e+03	6.836217e+03	7.249399e+03	9.243087e+03	6.788707e+03
##	19541	19542	19543	19544	19545
##	9.002060e+03	8.949692e+03	9.101259e+03	6.494870e+03	1.035337e+04
##	19546	19547	19548	19549	19550
##	8.066160e+03	9.053699e+03	6.864750e+03	6.849160e+03	6.995774e+03
##	19551	19552	19553	19554	19555
##	9.191392e+03	9.563174e+03	8.475124e+03	6.362836e+03	7.941113e+03
##	19556	19557	19558	19559	19560
##	7.146478e+03	9.440613e+03	9.307996e+03	8.982134e+03	8.928504e+03
##	19561	19562	19563	19564	19565
##	8.339762e+03	8.743895e+03	7.078325e+03	9.365228e+03	7.888265e+03
##	19566	19567	19568	19569	19570
##	9.134369e+03	8.694225e+03	9.440687e+03	8.324351e+03	6.891382e+03
##	19571	19572	19573	19574	19575
##	9.455936e+03	7.158215e+03	7.417267e+03	8.919310e+03	7.236607e+03
##	19576	19577	19578	19579	19580
##	9.130083e+03	9.248861e+03	9.256283e+03	9.572237e+03	9.852222e+03
##	19581	19582	19583	19584	19585
##	6.952193e+03	7.388178e+03	9.153743e+03	8.053306e+03	7.943492e+03
##	19586	19587	19588	19589	19590
##	9.138441e+03	9.153021e+03	6.845593e+03	9.223496e+03	9.164958e+03
##	19591	19592	19593	19594	19595

##	9.236586e+03	6.761492e+03	8.957408e+03	6.950848e+03	7.629618e+03
##	19596	19597	19598	19599	19600
##	1.020199e+04	8.618645e+03	9.277914e+03	1.389584e+04	8.762408e+03
##	19601	19602	19603	19604	19605
##	9.721377e+03	8.496464e+03	8.514098e+03	1.089358e+04	7.347238e+03
##	19606	19607	19608	19609	19610
##	6.462027e+03	7.733040e+03	6.811538e+03	8.498224e+03	1.027046e+04
##	19611	19612	19613	19614	19615
##	8.795613e+03	8.359382e+03	7.960033e+03	9.221399e+03	7.386310e+03
##	19616	19617	19618	19619	19620
##	7.226797e+03	8.072417e+03	8.288947e+03	7.403094e+03	6.805885e+03
##	19621	19622	19623	19624	19625
##	8.231080e+03	6.695697e+03	6.162380e+03	9.236745e+03	8.996993e+03
##	19626	19627	19628	19629	19630
##	8.606427e+03	6.745758e+03	8.913838e+03	9.118499e+03	6.732796e+03
##	19631	19632	19633	19634	19635
##	7.005935e+03	7.346996e+03	6.784457e+03	7.552170e+03	8.523346e+03
##	19636	19637	19638	19639	19640
##	8.799445e+03	7.657025e+03	8.864809e+03	8.434489e+03	8.292531e+03
##	19641	19642	19643	19644	19645
##	9.371440e+03	1.052615e+04	7.779249e+03	9.652899e+03	8.861750e+03
##	19646	19647	19648	19649	19650
##	9.397179e+03	9.142651e+03	9.169464e+03	8.703516e+03	8.311434e+03
##	19651	19652	19653	19654	19655
##	8.370576e+03	1.048609e+04	1.082860e+04	6.924580e+03	7.981366e+03
##	19656	19657	19658	19659	19660
##	6.806483e+03	7.909796e+03	8.166495e+03	8.628401e+03	7.070878e+03
##	19661	19662	19663	19664	19665
##	9.604452e+03	9.392862e+03	9.010952e+03	9.182811e+03	8.283175e+03
##	19666	19667	19668	19669	19670
##	7.662895e+03	9.212676e+03	7.653110e+03	6.590882e+03	8.014120e+03
##	19671	19672	19673	19674	19675
##	7.392559e+03	8.991195e+03	8.917729e+03	7.549552e+03	1.041948e+04
##	19676	19677	19678	19679	19680
##	1.022935e+04	1.022935e+04	8.619662e+03	6.900292e+03	6.906579e+03
##	19681	19682	19683	19684	19685
##	-3.009985e+01	-3.143781e+02	3.331667e+02	2.827476e+02	1.892304e+02
##	19686	19687	19688	19689	19690
##	1.002019e+02	5.554611e+02	6.272597e+02	6.295857e+02	6.345676e+02
##	19691	19692	19693	19694	19695
##	6.582670e+02	6.292539e+02	6.213559e+02	5.714861e+02	6.079484e+02
##	19696	19697	19698	19699	19700
##	-5.729875e+02	1.115535e+03	-1.059780e+03	-9.974605e+02	-8.187814e+02
##	19701	19702	19703	19704	19705
##	-8.246734e+02	-9.663167e+02	-9.480324e+02	-7.230958e+02	-6.461389e+02
##	19706	19707	19708	19709	19710
##	-1.019049e+02	-1.005493e+02	-3.770340e+01	1.918821e+01	1.347574e+02
##	19711	19712	19713	19714	19715
##	8.218242e+03	6.741555e+03	8.529199e+03	8.913378e+03	9.653423e+03
##	19716	19717	19718	19719	19720
##	1.040871e+04	9.841463e+03	9.257654e+03	9.030602e+03	9.164960e+03
##	19721	19722	19723	19724	19725
##	8.308722e+03	7.828014e+03	8.425113e+03	7.985078e+03	7.528139e+03
##	19726	19727	19728	19729	19730

##	7.131267e+03	8.459072e+03	9.142125e+03	8.372390e+03	9.136047e+03
##	19731	19732	19733	19734	19735
##	9.579362e+03	8.077725e+03	8.075280e+03	9.164452e+03	8.962473e+03
##	19736	19737	19738	19739	19740
##	8.546829e+03	6.848425e+03	8.163248e+03	7.154327e+03	7.233198e+03
##	19741	19742	19743	19744	19745
##	9.660418e+03	8.273444e+03	8.920615e+03	8.320256e+03	8.807639e+03
##	19746	19747	19748	19749	19750
##	7.694606e+03	9.447157e+03	9.039461e+03	9.243973e+03	6.746541e+03
##	19751	19752	19753	19754	19755
##	9.126024e+03	6.931589e+03	6.837791e+03	7.208684e+03	7.827575e+03
##	19756	19757	19758	19759	19760
##	7.318276e+03	1.019365e+04	9.546822e+03	9.070723e+03	7.484864e+03
##	19761	19762	19763	19764	19765
##	6.181645e+03	9.512281e+03	8.439234e+03	6.786597e+03	6.704838e+03
##	19766	19767	19768	19769	19770
##	8.004741e+03	8.095970e+03	9.599734e+03	6.681989e+03	7.926277e+03
##	19771	19772	19773	19774	19775
##	7.022078e+03	7.211977e+03	9.137779e+03	9.359874e+03	7.065510e+03
##	19776	19777	19778	19779	19780
##	7.571166e+03	8.009695e+03	6.982153e+03	7.492532e+03	8.889308e+03
##	19781	19782	19783	19784	19785
##	6.592553e+03	8.496264e+03	8.153953e+03	8.005823e+03	7.659044e+03
##	19786	19787	19788	19789	19790
##	8.336800e+03	1.047213e+04	7.318944e+03	7.214287e+03	6.750257e+03
##	19791	19792	19793	19794	19795
##	7.281334e+03	8.010847e+03	1.027033e+04	7.872241e+03	8.032949e+03
##	19796	19797	19798	19799	19800
##	9.459907e+03	1.099454e+04	7.567308e+03	8.119926e+03	9.725619e+03
##	19801	19802	19803	19804	19805
##	9.997646e+03	9.192960e+03	6.720777e+03	9.607492e+03	8.577930e+03
##	19806	19807	19808	19809	19810
##	9.076562e+03	9.074351e+03	8.643587e+03	6.640011e+03	6.884077e+03
##	19811	19812	19813	19814	19815
##	7.082728e+03	7.889711e+03	9.104094e+03	1.016533e+04	7.818117e+03
##	19816	19817	19818	19819	19820
##	8.333247e+03	8.326734e+03	1.079051e+04	7.009356e+03	8.585789e+03
##	19821	19822	19823	19824	19825
##	7.984494e+03	9.507850e+03	8.569875e+03	9.457858e+03	8.688837e+03
##	19826	19827	19828	19829	19830
##	7.414799e+03	7.454433e+03	9.114506e+03	9.076182e+03	1.104306e+04
##	19831	19832	19833	19834	19835
##	6.965220e+03	1.011337e+04	9.134369e+03	7.069040e+03	6.769901e+03
##	19836	19837	19838	19839	19840
##	8.573202e+03	6.967283e+03	6.875283e+03	6.888216e+03	6.855661e+03
##	19841	19842	19843	19844	19845
##	7.738198e+03	8.098583e+03	6.591437e+03	7.511455e+03	8.288057e+03
##	19846	19847	19848	19849	19850
##	7.301893e+03	7.784967e+03	8.732875e+03	1.051061e+04	8.978245e+03
##	19851	19852	19853	19854	19855
##	9.660913e+03	7.588274e+03	7.885794e+03	7.164239e+03	7.920801e+03
##	19856	19857	19858	19859	19860
##	7.993495e+03	6.758866e+03	9.444365e+03	7.581460e+03	6.583026e+03
##	19861	19862	19863	19864	19865

##	7.961009e+03	8.231181e+03	6.775946e+03	8.137932e+03	9.156479e+03
##	19866	19867	19868	19869	19870
##	9.644053e+03	1.794056e+04	8.612869e+03	9.007253e+03	7.405004e+03
##	19871	19872	19873	19874	19875
##	9.139365e+03	9.419680e+03	9.196917e+03	9.455936e+03	9.329171e+03
##	19876	19877	19878	19879	19880
##	8.749036e+03	8.754747e+03	7.435030e+03	7.797095e+03	7.622574e+03
##	19881	19882	19883	19884	19885
##	8.735708e+03	9.154658e+03	9.639273e+03	7.986023e+03	7.943738e+03
##	19886	19887	19888	19889	19890
##	8.069400e+03	6.926429e+03	8.329111e+03	1.065613e+04	7.937014e+03
##	19891	19892	19893	19894	19895
##	8.104964e+03	8.192055e+03	7.976600e+03	7.959495e+03	1.434324e+04
##	19896	19897	19898	19899	19900
##	8.686831e+03	6.902986e+03	8.394577e+03	6.825759e+03	8.433361e+03
##	19901	19902	19903	19904	19905
##	8.481057e+03	6.998230e+03	6.920517e+03	8.147527e+03	7.990597e+03
##	19906	19907	19908	19909	19910
##	7.065678e+03	7.342345e+03	9.280672e+03	1.087903e+04	8.122533e+03
##	19911	19912	19913	19914	19915
##	8.133952e+03	8.127141e+03	1.080695e+04	8.482205e+03	9.299372e+03
##	19916	19917	19918	19919	19920
##	8.257911e+03	8.879901e+03	8.413584e+03	9.265110e+03	8.860887e+03
##	19921	19922	19923	19924	19925
##	6.716796e+03	1.569777e+04	7.372989e+03	9.498761e+03	6.837791e+03
##	19926	19927	19928	19929	19930
##	8.600176e+03	9.033866e+03	9.516286e+03	9.176703e+03	9.182231e+03
##	19931	19932	19933	19934	19935
##	9.227473e+03	9.325422e+03	7.222675e+03	6.996541e+03	8.020619e+03
##	19936	19937	19938	19939	19940
##	6.966340e+03	8.212781e+03	8.055255e+03	8.059977e+03	9.576738e+03
##	19941	19942	19943	19944	19945
##	7.313042e+03	7.186261e+03	8.513269e+03	8.554806e+03	7.663234e+03
##	19946	19947	19948	19949	19950
##	7.367095e+03	1.358960e+04	9.213127e+03	1.012876e+04	9.360973e+03
##	19951	19952	19953	19954	19955
##	7.877578e+03	8.720807e+03	8.864454e+03	7.959754e+03	8.746244e+03
##	19956	19957	19958	19959	19960
##	7.844280e+03	8.241454e+03	8.069636e+03	9.153481e+03	7.303455e+03
##	19961	19962	19963	19964	19965
##	8.321276e+03	9.033439e+03	1.012626e+04	7.531717e+03	9.818100e+03
##	19966	19967	19968	19969	19970
##	9.875887e+03	9.233677e+03	9.308815e+03	9.933980e+03	9.460946e+03
##	19971	19972	19973	19974	19975
##	9.325732e+03	9.497321e+03	7.701721e+03	9.136047e+03	8.079167e+03
##	19976	19977	19978	19979	19980
##	8.686595e+03	9.035847e+03	9.021647e+03	9.120795e+03	9.162647e+03
##	19981	19982	19983	19984	19985
##	6.915877e+03	9.543116e+03	7.077375e+03	7.498170e+03	6.293004e+03
##	19986	19987	19988	19989	19990
##	8.865591e+03	1.036616e+04	1.017015e+04	8.540180e+03	9.073558e+03
##	19991	19992	19993	19994	19995
##	7.014515e+03	7.010443e+03	6.953119e+03	6.987651e+03	6.998600e+03
##	19996	19997	19998	19999	20000

##	7.768592e+03	9.956892e+03	7.264789e+03	9.319345e+03	9.387852e+03
##	20001	20002	20003	20004	20005
##	9.177278e+03	7.593674e+03	9.554680e+03	8.790771e+03	8.919121e+03
##	20006	20007	20008	20009	20010
##	8.148425e+03	8.175547e+03	6.748402e+03	7.198108e+03	9.574081e+03
##	20011	20012	20013	20014	20015
##	-9.275643e+02	-1.366088e+03	-1.201694e+03	-1.291729e+03	-1.220974e+03
##	20016	20017	20018	20019	20020
##	-9.227782e+02	-8.948718e+02	-1.127986e+03	-1.172607e+03	-1.077077e+03
##	20021	20022	20023	20024	20025
##	-1.273252e+03	-1.321715e+03	-1.137408e+03	-1.277532e+03	-1.289913e+03
##	20026	20027	20028	20029	20030
##	-1.203593e+03	-9.494735e+02	-1.110532e+03	-9.785236e+02	-1.254606e+03
##	20031	20032	20033	20034	20035
##	-9.316578e+02	-1.219007e+03	-9.074934e+02	-1.247816e+03	-1.139254e+03
##	20036	20037	20038	20039	20040
##	-9.376577e+02	-7.001945e+02	-1.176692e+03	-1.092632e+03	-8.204919e+02
##	20041	20042	20043	20044	20045
##	-8.915938e+02	-8.844934e+02	-8.711195e+02	-1.080026e+03	-1.683164e+02
##	20046	20047	20048	20049	20050
##	-3.971099e+01	7.651728e+02	7.739020e+02	6.205092e+02	-4.651617e+02
##	20051	20052	20053	20054	20055
##	5.410286e+02	5.183342e+02	5.124617e+02	6.414914e+02	5.507688e+02
##	20056	20057	20058	20059	20060
##	3.889035e+02	4.208327e+02	7.258773e+02	3.986083e+02	5.507234e+02
##	20061	20062	20063	20064	20065
##	4.472107e+02	5.588058e+02	4.961209e+02	6.664445e+02	6.319310e+02
##	20066	20067	20068	20069	20070
##	6.318367e+02	3.487385e+02	6.394024e+02	5.886394e+02	7.257812e+02
##	20071	20072	20073	20074	20075
##	8.411371e+03	8.414772e+03	9.370781e+03	9.399924e+03	9.931998e+03
##	20076	20077	20078	20079	20080
##	6.601567e+03	6.761434e+03	6.896397e+03	8.969303e+03	9.474418e+03
##	20081	20082	20083	20084	20085
##	7.953035e+03	8.163997e+03	8.910631e+03	7.560740e+03	7.769434e+03
##	20086	20087	20088	20089	20090
##	8.772683e+03	7.884289e+03	7.653784e+03	7.655924e+03	9.552148e+03
##	20091	20092	20093	20094	20095
##	7.133703e+03	9.408476e+03	6.697794e+03	9.648878e+03	9.033317e+03
##	20096	20097	20098	20099	20100
##	9.043480e+03	8.047193e+03	9.099562e+03	9.247954e+03	8.182653e+03
##	20101	20102	20103	20104	20105
##	8.151544e+03	8.119057e+03	1.150545e+04	8.052513e+03	9.068114e+03
##	20106	20107	20108	20109	20110
##	6.917119e+03	8.985963e+03	8.827104e+03	9.166900e+03	9.182131e+03
##	20111	20112	20113	20114	20115
##	9.077237e+03	9.036067e+03	8.579970e+03	9.135845e+03	8.267888e+03
##	20116	20117	20118	20119	20120
##	9.281343e+03	8.728729e+03	8.724211e+03	8.687963e+03	8.221949e+03
##	20121	20122	20123	20124	20125
##	1.025112e+04	8.598770e+03	8.684815e+03	9.394643e+03	8.130558e+03
##	20126	20127	20128	20129	20130
##	8.964409e+03	9.403053e+03	8.038864e+03	7.024208e+03	7.874719e+03
##	20131	20132	20133	20134	20135

##	8.150490e+03	7.835612e+03	9.476542e+03	1.076595e+04	9.697065e+03
##	20136	20137	20138	20139	20140
##	7.983481e+03	7.592517e+03	8.189449e+03	8.141162e+03	7.920354e+03
##	20141	20142	20143	20144	20145
##	8.043331e+03	8.507761e+03	8.620405e+03	9.396405e+03	7.959195e+03
##	20146	20147	20148	20149	20150
##	8.010351e+03	6.785044e+03	6.885094e+03	7.963181e+03	9.334470e+03
##	20151	20152	20153	20154	20155
##	9.287490e+03	6.984248e+03	8.326064e+03	9.744387e+03	7.152689e+03
##	20156	20157	20158	20159	20160
##	8.238543e+03	7.112707e+03	8.672717e+03	8.163753e+03	8.284385e+03
##	20161	20162	20163	20164	20165
##	7.030299e+03	8.732848e+03	7.457527e+03	9.348317e+03	8.778280e+03
##	20166	20167	20168	20169	20170
##	7.045248e+03	9.360046e+03	7.249544e+03	7.322096e+03	8.514020e+03
##	20171	20172	20173	20174	20175
##	7.168812e+03	9.306039e+03	7.274207e+03	6.951742e+03	9.153291e+03
##	20176	20177	20178	20179	20180
##	8.401714e+03	8.528838e+03	6.870775e+03	6.713815e+03	1.012425e+04
##	20181	20182	20183	20184	20185
##	8.968636e+03	1.015080e+04	9.625816e+03	9.131337e+03	9.115631e+03
##	20186	20187	20188	20189	20190
##	9.776579e+03	8.285069e+03	7.782676e+03	9.250864e+03	9.105220e+03
##	20191	20192	20193	20194	20195
##	9.202230e+03	7.152094e+03	9.003794e+03	9.241945e+03	9.037246e+03
##	20196	20197	20198	20199	20200
##	6.657340e+03	8.382751e+03	6.789105e+03	7.871670e+03	1.214992e+04
##	20201	20202	20203	20204	20205
##	6.897867e+03	9.811632e+03	7.135368e+03	7.292684e+03	9.409126e+03
##	20206	20207	20208	20209	20210
##	9.412611e+03	8.372289e+03	7.170853e+03	7.177183e+03	7.143953e+03
##	20211	20212	20213	20214	20215
##	7.053465e+03	8.473376e+03	8.196164e+03	6.665763e+03	6.831166e+03
##	20216	20217	20218	20219	20220
##	8.101183e+03	9.492263e+03	7.804877e+03	8.357191e+03	9.735281e+03
##	20221	20222	20223	20224	20225
##	1.179959e+04	9.232064e+03	8.750925e+03	9.437034e+03	7.362615e+03
##	20226	20227	20228	20229	20230
##	1.000505e+04	7.020164e+03	6.986991e+03	8.013390e+03	8.955804e+03
##	20231	20232	20233	20234	20235
##	9.629071e+03	9.651043e+03	6.793337e+03	9.198442e+03	1.097378e+04
##	20236	20237	20238	20239	20240
##	9.656649e+03	6.575561e+03	9.504663e+03	8.124646e+03	8.264216e+03
##	20241	20242	20243	20244	20245
##	9.083498e+03	8.107831e+03	7.765622e+03	7.330401e+03	9.324815e+03
##	20246	20247	20248	20249	20250
##	8.485057e+03	9.140904e+03	9.106441e+03	8.615344e+03	1.184793e+04
##	20251	20252	20253	20254	20255
##	9.447727e+03	9.590820e+03	9.135308e+03	8.626650e+03	9.145359e+03
##	20256	20257	20258	20259	20260
##	9.210933e+03	9.351536e+03	8.226808e+03	1.032284e+04	6.861511e+03
##	20261	20262	20263	20264	20265
##	6.953443e+03	9.362480e+03	6.954196e+03	6.957115e+03	8.320444e+03
##	20266	20267	20268	20269	20270

##	1.009859e+04	1.013721e+04	9.444000e+03	8.065438e+03	8.543664e+03
##	20271	20272	20273	20274	20275
##	7.218721e+03	8.223385e+03	9.192949e+03	7.336945e+03	8.206678e+03
##	20276	20277	20278	20279	20280
##	8.198653e+03	7.225936e+03	7.842992e+03	8.128067e+03	8.145011e+03
##	20281	20282	20283	20284	20285
##	9.042606e+03	9.425998e+03	6.943811e+03	9.118970e+03	1.023902e+04
##	20286	20287	20288	20289	20290
##	8.374057e+03	8.534144e+03	9.319888e+03	9.359209e+03	6.879069e+03
##	20291	20292	20293	20294	20295
##	7.350586e+03	6.441853e+03	7.863993e+03	1.234351e+04	1.111004e+04
##	20296	20297	20298	20299	20300
##	8.666883e+03	8.126529e+03	1.531196e+04	8.543941e+03	9.381273e+03
##	20301	20302	20303	20304	20305
##	8.869916e+03	1.047019e+04	6.428389e+03	1.028388e+04	8.757082e+03
##	20306	20307	20308	20309	20310
##	8.060673e+03	9.592405e+03	7.658609e+03	7.149862e+03	7.562464e+03
##	20311	20312	20313	20314	20315
##	7.279943e+03	7.260635e+03	7.748896e+03	8.910570e+03	7.372449e+03
##	20316	20317	20318	20319	20320
##	1.001405e+04	8.146191e+03	1.008636e+04	8.264429e+03	8.088521e+03
##	20321	20322	20323	20324	20325
##	8.711634e+03	8.826843e+03	8.891792e+03	8.785837e+03	8.956440e+03
##	20326	20327	20328	20329	20330
##	8.865831e+03	1.079455e+04	9.101368e+03	6.765811e+03	9.030713e+03
##	20331	20332	20333	20334	20335
##	8.704960e+03	9.094040e+03	1.029698e+04	9.131238e+03	8.990788e+03
##	20336	20337	20338	20339	20340
##	9.126186e+03	8.437333e+03	1.194331e+04	9.716761e+03	8.171056e+03
##	20341	20342	20343	20344	20345
##	9.759283e+03	1.043661e+04	7.933800e+03	7.086019e+03	9.338231e+03
##	20346	20347	20348	20349	20350
##	8.332942e+03	8.048146e+03	1.004242e+04	9.353928e+03	7.033285e+03
##	20351	20352	20353	20354	20355
##	8.894845e+03	7.190369e+03	9.425649e+03	1.014520e+04	6.752648e+03
##	20356	20357	20358	20359	20360
##	6.798845e+03	9.208574e+03	9.183111e+03	9.573029e+03	9.666529e+03
##	20361	20362	20363	20364	20365
##	1.074977e+04	7.555273e+03	9.046989e+03	1.010020e+04	9.084867e+03
##	20366	20367	20368	20369	20370
##	8.370203e+03	8.884669e+03	8.309977e+03	9.303934e+03	9.715009e+03
##	20371	20372	20373	20374	20375
##	6.053615e+02	6.130351e+02	2.791778e+02	5.962574e+02	4.695060e+02
##	20376	20377	20378	20379	20380
##	5.719775e+02	5.374610e+02	6.266173e+02	4.707646e+02	5.789829e+02
##	20381	20382	20383	20384	20385
##	4.648272e+02	5.833203e+02	2.727460e+02	4.256862e+02	4.178789e+02
##	20386	20387	20388	20389	20390
##	6.484986e+02	4.580922e+02	4.723440e+02	2.996520e+02	4.744330e+02
##	20391	20392	20393	20394	20395
##	6.260444e+02	5.961614e+02	2.927433e+02	5.968798e+02	4.084640e+02
##	20396	20397	20398	20399	20400
##	5.559857e+02	4.242326e+02	5.634582e+02	4.856571e+02	5.927124e+02
##	20401	20402	20403	20404	20405

##	8.489991e+03	8.392807e+03	6.784455e+03	8.055070e+03	9.440342e+03
##	20406	20407	20408	20409	20410
##	9.467485e+03	9.513640e+03	1.028094e+04	1.013625e+04	8.723795e+03
##	20411	20412	20413	20414	20415
##	6.832301e+03	7.813617e+03	6.908155e+03	8.651419e+03	8.243670e+03
##	20416	20417	20418	20419	20420
##	8.072145e+03	8.535670e+03	7.256923e+03	7.406634e+03	9.292070e+03
##	20421	20422	20423	20424	20425
##	9.572053e+03	7.618644e+03	7.120841e+03	9.618514e+03	9.473317e+03
##	20426	20427	20428	20429	20430
##	8.216801e+03	9.531298e+03	1.280194e+04	8.909823e+03	9.769505e+03
##	20431	20432	20433	20434	20435
##	8.239314e+03	7.211573e+03	7.588364e+03	9.514839e+03	8.517973e+03
##	20436	20437	20438	20439	20440
##	9.462767e+03	8.987530e+03	9.191051e+03	1.040748e+04	9.169516e+03
##	20441	20442	20443	20444	20445
##	9.156162e+03	9.789029e+03	9.069330e+03	9.001356e+03	8.403180e+03
##	20446	20447	20448	20449	20450
##	1.073141e+04	9.305689e+03	8.978083e+03	7.121558e+03	8.260115e+03
##	20451	20452	20453	20454	20455
##	8.086148e+03	7.438508e+03	7.394536e+03	7.923631e+03	7.374808e+03
##	20456	20457	20458	20459	20460
##	6.822733e+03	8.248240e+03	8.119862e+03	9.207536e+03	9.193675e+03
##	20461	20462	20463	20464	20465
##	8.155450e+03	8.070647e+03	1.587094e+04	9.969162e+03	9.361599e+03
##	20466	20467	20468	20469	20470
##	9.493435e+03	7.355988e+03	8.748327e+03	9.539829e+03	7.243267e+03
##	20471	20472	20473	20474	20475
##	9.191349e+03	7.265653e+03	9.064138e+03	9.331729e+03	1.138286e+04
##	20476	20477	20478	20479	20480
##	8.784387e+03	8.880877e+03	9.131497e+03	7.001795e+03	8.197348e+03
##	20481	20482	20483	20484	20485
##	9.213846e+03	8.923483e+03	1.162255e+04	9.603360e+03	9.594283e+03
##	20486	20487	20488	20489	20490
##	7.244969e+03	9.063646e+03	9.698433e+03	1.010203e+04	6.798631e+03
##	20491	20492	20493	20494	20495
##	8.292742e+03	1.021427e+04	9.256316e+03	1.025362e+04	1.240028e+04
##	20496	20497	20498	20499	20500
##	7.944677e+03	1.030175e+04	8.541577e+03	8.439004e+03	1.021881e+04
##	20501	20502	20503	20504	20505
##	1.066316e+04	1.097538e+04	9.941168e+03	1.057334e+04	9.638571e+03
##	20506	20507	20508	20509	20510
##	1.022291e+04	1.055091e+04	9.720449e+03	1.176847e+04	8.365644e+03
##	20511	20512	20513	20514	20515
##	8.499152e+03	7.697538e+03	9.254577e+03	9.158610e+03	6.841868e+03
##	20516	20517	20518	20519	20520
##	1.007288e+04	9.472158e+03	6.985613e+03	7.555485e+03	7.413490e+03
##	20521	20522	20523	20524	20525
##	8.497287e+03	7.551589e+03	7.658629e+03	8.991822e+03	9.086680e+03
##	20526	20527	20528	20529	20530
##	9.925843e+03	9.111520e+03	9.321341e+03	8.735031e+03	9.397218e+03
##	20531	20532	20533	20534	20535
##	8.310362e+03	9.223071e+03	9.059876e+03	1.006875e+04	1.084865e+04
##	20536	20537	20538	20539	20540

##	7.661883e+03	9.497553e+03	9.687804e+03	7.154685e+03	6.639888e+03
##	20541	20542	20543	20544	20545
##	9.299910e+03	8.066342e+03	7.646495e+03	8.323152e+03	9.829296e+03
##	20546	20547	20548	20549	20550
##	9.467865e+03	9.539181e+03	9.626739e+03	7.782563e+03	7.160425e+03
##	20551	20552	20553	20554	20555
##	7.150159e+03	9.446862e+03	1.193177e+04	7.363530e+03	9.983338e+03
##	20556	20557	20558	20559	20560
##	1.001728e+04	9.375920e+03	7.918590e+03	8.060104e+03	8.518230e+03
##	20561	20562	20563	20564	20565
##	7.833841e+03	9.514874e+03	9.547244e+03	8.447850e+03	8.696010e+03
##	20566	20567	20568	20569	20570
##	8.118347e+03	9.804851e+03	9.334156e+03	8.857271e+03	8.350186e+03
##	20571	20572	20573	20574	20575
##	8.324234e+03	8.083031e+03	9.787564e+03	8.503324e+03	8.507387e+03
##	20576	20577	20578	20579	20580
##	9.246012e+03	1.066835e+04	6.845946e+03	6.842934e+03	8.409244e+03
##	20581	20582	20583	20584	20585
##	7.906336e+03	9.774305e+03	1.044116e+04	9.666627e+03	9.569983e+03
##	20586	20587	20588	20589	20590
##	7.411978e+03	8.879978e+03	7.426824e+03	1.050434e+04	1.004308e+04
##	20591	20592	20593	20594	20595
##	8.998109e+03	9.655689e+03	1.113411e+04	1.032284e+04	8.351149e+03
##	20596	20597	20598	20599	20600
##	1.059273e+04	8.352674e+03	8.282049e+03	1.008026e+04	1.008344e+04
##	20601	20602	20603	20604	20605
##	6.909518e+03	8.227136e+03	9.133029e+03	9.164123e+03	9.099106e+03
##	20606	20607	20608	20609	20610
##	9.778554e+03	6.848786e+03	1.149551e+04	8.099205e+03	9.211637e+03
##	20611	20612	20613	20614	20615
##	9.168282e+03	9.275730e+03	8.140484e+03	6.864447e+03	8.512314e+03
##	20616	20617	20618	20619	20620
##	8.601268e+03	9.578810e+03	9.375263e+03	9.965896e+03	9.859367e+03
##	20621	20622	20623	20624	20625
##	8.349845e+03	8.397696e+03	9.399432e+03	7.471261e+03	6.930108e+03
##	20626	20627	20628	20629	20630
##	6.849144e+03	8.857840e+03	9.501882e+03	6.835296e+03	6.835296e+03
##	20631	20632	20633	20634	20635
##	1.001395e+04	9.089583e+03	8.756023e+03	8.541317e+03	8.870341e+03
##	20636	20637	20638	20639	20640
##	8.420742e+03	8.299577e+03	9.416591e+03	9.426857e+03	9.419984e+03
##	20641	20642	20643	20644	20645
##	9.009307e+03	9.500605e+03	7.217106e+03	7.551941e+03	1.011440e+04
##	20646	20647	20648	20649	20650
##	1.083471e+04	8.096790e+03	8.551954e+03	9.678369e+03	6.933551e+03
##	20651	20652	20653	20654	20655
##	9.113709e+03	8.245501e+03	8.641043e+03	7.011209e+03	7.028291e+03
##	20656	20657	20658	20659	20660
##	9.478696e+03	7.155326e+03	7.241730e+03	8.324295e+03	1.190491e+04
##	20661	20662	20663	20664	20665
##	6.742787e+03	8.163634e+03	8.387278e+03	8.956894e+03	8.778393e+03
##	20666	20667	20668	20669	20670
##	9.627246e+03	9.632754e+03	8.920869e+03	7.863739e+03	7.462528e+03
##	20671	20672	20673	20674	20675

##	9.061437e+03	9.716163e+03	8.963487e+03	6.952437e+03	7.255787e+03
##	20676	20677	20678	20679	20680
##	6.625387e+03	7.136993e+03	6.961289e+03	8.244376e+03	7.452932e+03
##	20681	20682	20683	20684	20685
##	9.545201e+03	8.224081e+03	6.729508e+03	8.111897e+03	7.896641e+03
##	20686	20687	20688	20689	20690
##	9.325709e+03	8.320921e+03	9.289636e+03	9.401517e+03	9.399777e+03
##	20691	20692	20693	20694	20695
##	8.445875e+03	7.507898e+03	8.717791e+03	7.031663e+03	9.564600e+03
##	20696	20697	20698	20699	20700
##	7.202552e+03	9.175183e+03	7.955377e+03	9.582147e+03	8.585265e+03
##	20701	20702	20703	20704	20705
##	5.450212e+02	4.586424e+02	7.366460e+02	4.860329e+02	5.560542e+02
##	20706	20707	20708	20709	20710
##	6.258369e+02	4.489989e+02	5.607611e+02	4.049704e+02	5.206515e+02
##	20711	20712	20713	20714	20715
##	5.792477e+02	5.466664e+02	6.363217e+02	7.148220e+02	6.430542e+02
##	20716	20717	20718	20719	20720
##	4.276805e+02	5.434608e+02	4.024725e+02	5.764222e+02	4.329488e+02
##	20721	20722	20723	20724	20725
##	5.007449e+02	4.383985e+02	5.981490e+02	4.965530e+02	5.742221e+02
##	20726	20727	20728	20729	20730
##	5.960098e+02	4.750059e+02	6.544502e+02	4.897349e+02	4.149037e+02
##	20731	20732	20733	20734	20735
##	9.944130e+03	9.883775e+03	8.995535e+03	1.053129e+04	6.827044e+03
##	20736	20737	20738	20739	20740
##	7.158761e+03	8.783187e+03	9.216784e+03	1.009609e+04	6.374537e+03
##	20741	20742	20743	20744	20745
##	8.743672e+03	9.561344e+03	8.259348e+03	9.399488e+03	7.430416e+03
##	20746	20747	20748	20749	20750
##	8.329070e+03	8.495493e+03	8.231670e+03	9.240784e+03	8.275420e+03
##	20751	20752	20753	20754	20755
##	7.040198e+03	7.841298e+03	7.703856e+03	1.019636e+04	8.054797e+03
##	20756	20757	20758	20759	20760
##	9.498599e+03	8.891169e+03	9.612860e+03	7.132380e+03	7.216157e+03
##	20761	20762	20763	20764	20765
##	7.373927e+03	7.231403e+03	9.871874e+03	6.973973e+03	8.333644e+03
##	20766	20767	20768	20769	20770
##	8.524781e+03	9.322697e+03	7.297725e+03	7.985179e+03	7.637174e+03
##	20771	20772	20773	20774	20775
##	8.520582e+03	9.616430e+03	8.601728e+03	6.831218e+03	7.514770e+03
##	20776	20777	20778	20779	20780
##	7.393132e+03	7.393824e+03	8.007185e+03	6.961921e+03	6.889315e+03
##	20781	20782	20783	20784	20785
##	9.151948e+03	8.228932e+03	1.032832e+04	9.264777e+03	8.172206e+03
##	20786	20787	20788	20789	20790
##	8.035806e+03	8.208964e+03	9.447507e+03	9.508303e+03	8.961240e+03
##	20791	20792	20793	20794	20795
##	9.272776e+03	7.679944e+03	9.625140e+03	9.545309e+03	8.396047e+03
##	20796	20797	20798	20799	20800
##	8.299378e+03	8.647782e+03	8.463390e+03	9.952802e+03	7.343172e+03
##	20801	20802	20803	20804	20805
##	8.348031e+03	9.980064e+03	1.057907e+04	9.571058e+03	7.803305e+03
##	20806	20807	20808	20809	20810

##	1.301336e+04	9.878007e+03	8.053931e+03	8.331919e+03	1.304889e+04
##	20811	20812	20813	20814	20815
##	8.104647e+03	7.359082e+03	6.926602e+03	7.005908e+03	1.079866e+04
##	20816	20817	20818	20819	20820
##	7.028371e+03	9.035550e+03	8.192325e+03	9.122906e+03	8.004188e+03
##	20821	20822	20823	20824	20825
##	7.533458e+03	6.802219e+03	6.825589e+03	8.697535e+03	7.639944e+03
##	20826	20827	20828	20829	20830
##	9.564811e+03	7.915133e+03	9.564629e+03	9.590023e+03	7.223609e+03
##	20831	20832	20833	20834	20835
##	9.475697e+03	9.789627e+03	9.375159e+03	8.812692e+03	7.123782e+03
##	20836	20837	20838	20839	20840
##	6.906301e+03	6.941383e+03	9.358706e+03	1.457091e+04	7.875349e+03
##	20841	20842	20843	20844	20845
##	8.921711e+03	9.850830e+03	9.198411e+03	9.447763e+03	8.142822e+03
##	20846	20847	20848	20849	20850
##	1.147612e+04	8.547459e+03	9.041972e+03	9.048213e+03	9.285443e+03
##	20851	20852	20853	20854	20855
##	9.194681e+03	1.401896e+04	8.358944e+03	7.885278e+03	8.255041e+03
##	20856	20857	20858	20859	20860
##	6.946559e+03	9.000789e+03	6.649920e+03	7.444148e+03	8.718577e+03
##	20861	20862	20863	20864	20865
##	1.299190e+04	1.044771e+04	9.251293e+03	1.010675e+04	7.344716e+03
##	20866	20867	20868	20869	20870
##	8.774742e+03	8.827304e+03	8.608657e+03	9.007971e+03	7.001482e+03
##	20871	20872	20873	20874	20875
##	1.024764e+04	7.659701e+03	7.627252e+03	7.408810e+03	6.855180e+03
##	20876	20877	20878	20879	20880
##	9.902017e+03	8.439988e+03	1.137666e+04	9.741447e+03	9.869036e+03
##	20881	20882	20883	20884	20885
##	6.918019e+03	8.626320e+03	9.238958e+03	1.035358e+04	8.829681e+03
##	20886	20887	20888	20889	20890
##	1.035163e+04	8.339230e+03	8.592193e+03	9.742385e+03	8.293758e+03
##	20891	20892	20893	20894	20895
##	8.491924e+03	7.298218e+03	1.157041e+04	8.865166e+03	8.591369e+03
##	20896	20897	20898	20899	20900
##	8.807901e+03	8.427825e+03	9.617222e+03	9.512305e+03	9.972311e+03
##	20901	20902	20903	20904	20905
##	7.823024e+03	9.648111e+03	9.586602e+03	7.421813e+03	8.449247e+03
##	20906	20907	20908	20909	20910
##	8.662991e+03	1.071953e+04	1.159238e+04	8.203661e+03	1.049780e+04
##	20911	20912	20913	20914	20915
##	8.470056e+03	9.305947e+03	8.035293e+03	9.101062e+03	9.124457e+03
##	20916	20917	20918	20919	20920
##	9.033302e+03	7.223812e+03	7.208633e+03	9.513832e+03	8.394982e+03
##	20921	20922	20923	20924	20925
##	8.262594e+03	8.215959e+03	7.379951e+03	7.393615e+03	8.049231e+03
##	20926	20927	20928	20929	20930
##	8.004029e+03	6.825235e+03	6.791586e+03	8.427588e+03	1.135339e+04
##	20931	20932	20933	20934	20935
##	6.806980e+03	1.148954e+04	9.448122e+03	6.923182e+03	9.883721e+03
##	20936	20937	20938	20939	20940
##	1.030586e+04	7.290768e+03	7.399880e+03	7.995779e+03	7.582573e+03
##	20941	20942	20943	20944	20945

##	1.031948e+04	9.754387e+03	9.330229e+03	9.500275e+03	8.940426e+03
##	20946	20947	20948	20949	20950
##	1.118863e+04	6.996597e+03	1.028684e+04	8.323466e+03	9.476137e+03
##	20951	20952	20953	20954	20955
##	7.469580e+03	8.428991e+03	7.303086e+03	7.267189e+03	9.292161e+03
##	20956	20957	20958	20959	20960
##	1.080000e+04	9.851330e+03	8.490046e+03	9.590720e+03	9.207958e+03
##	20961	20962	20963	20964	20965
##	1.042708e+04	8.098490e+03	9.851893e+03	7.956687e+03	6.917177e+03
##	20966	20967	20968	20969	20970
##	9.880216e+03	9.133252e+03	6.943949e+03	9.747857e+03	9.095923e+03
##	20971	20972	20973	20974	20975
##	6.621783e+03	9.318864e+03	9.775651e+03	8.231283e+03	8.222192e+03
##	20976	20977	20978	20979	20980
##	1.003918e+04	1.001754e+04	1.285770e+04	8.318388e+03	9.447231e+03
##	20981	20982	20983	20984	20985
##	9.476763e+03	8.078973e+03	1.151356e+04	1.018827e+04	1.054318e+04
##	20986	20987	20988	20989	20990
##	6.906754e+03	8.168461e+03	8.279147e+03	8.104753e+03	7.074786e+03
##	20991	20992	20993	20994	20995
##	1.090077e+04	7.161944e+03	1.021550e+04	1.054861e+04	9.945656e+03
##	20996	20997	20998	20999	21000
##	6.995614e+03	7.818678e+03	7.932937e+03	9.796822e+03	8.220500e+03
##	21001	21002	21003	21004	21005
##	7.570573e+03	8.646641e+03	9.620269e+03	9.424244e+03	9.662706e+03
##	21006	21007	21008	21009	21010
##	9.526529e+03	9.734727e+03	7.307184e+03	6.832997e+03	9.840566e+03
##	21011	21012	21013	21014	21015
##	1.063166e+04	8.238608e+03	8.782156e+03	9.406709e+03	1.116153e+04
##	21016	21017	21018	21019	21020
##	1.016224e+04	8.414436e+03	1.013005e+04	6.900668e+03	9.061684e+03
##	21021	21022	21023	21024	21025
##	9.195240e+03	1.015774e+04	9.799937e+03	9.579262e+03	1.049065e+04
##	21026	21027	21028	21029	21030
##	9.263826e+03	8.840281e+03	9.674817e+03	9.317306e+03	6.996298e+03
##	21031	21032	21033	21034	21035
##	3.798556e+02	2.667466e+02	6.106256e+02	5.385832e+02	7.212987e+02
##	21036	21037	21038	21039	21040
##	4.559853e+02	4.081180e+02	4.042352e+02	5.203712e+02	4.462112e+02
##	21041	21042	21043	21044	21045
##	5.996493e+02	5.879769e+02	2.758297e+02	5.064350e+02	4.251992e+02
##	21046	21047	21048	21049	21050
##	5.830559e+02	4.889037e+02	5.374610e+02	7.060421e+02	5.729225e+02
##	21051	21052	21053	21054	21055
##	5.438061e+02	5.588188e+02	5.045042e+02	5.173774e+02	6.170569e+02
##	21056	21057	21058	21059	21060
##	6.576246e+02	4.876500e+02	5.900553e+02	6.772665e+02	3.627414e+02
##	21061	21062	21063	21064	21065
##	8.542709e+03	9.456933e+03	8.962918e+03	9.307324e+03	8.494687e+03
##	21066	21067	21068	21069	21070
##	8.755786e+03	6.931660e+03	8.707916e+03	8.647326e+03	7.209515e+03
##	21071	21072	21073	21074	21075
##	7.012658e+03	7.177041e+03	7.841615e+03	7.842372e+03	8.192889e+03
##	21076	21077	21078	21079	21080

##	1.019679e+04	8.388578e+03	9.941573e+03	1.011889e+04	9.152763e+03
##	21081	21082	21083	21084	21085
##	7.056718e+03	7.419568e+03	7.165504e+03	8.926541e+03	1.021175e+04
##	21086	21087	21088	21089	21090
##	7.529183e+03	8.551360e+03	7.378274e+03	1.001841e+04	8.237302e+03
##	21091	21092	21093	21094	21095
##	8.378916e+03	8.249415e+03	9.555965e+03	7.375492e+03	8.836546e+03
##	21096	21097	21098	21099	21100
##	8.150383e+03	1.003611e+04	1.163122e+04	1.030269e+04	8.534618e+03
##	21101	21102	21103	21104	21105
##	7.087302e+03	9.654198e+03	1.100513e+04	8.677653e+03	1.073323e+04
##	21106	21107	21108	21109	21110
##	7.386826e+03	9.432507e+03	9.742354e+03	9.876811e+03	8.414021e+03
##	21111	21112	21113	21114	21115
##	8.876211e+03	9.776886e+03	9.305055e+03	9.063210e+03	9.058518e+03
##	21116	21117	21118	21119	21120
##	7.226967e+03	7.667260e+03	8.330973e+03	8.971482e+03	8.545301e+03
##	21121	21122	21123	21124	21125
##	9.075962e+03	9.403003e+03	6.932080e+03	8.279237e+03	8.300244e+03
##	21126	21127	21128	21129	21130
##	9.136474e+03	8.176896e+03	9.957383e+03	7.204260e+03	8.310950e+03
##	21131	21132	21133	21134	21135
##	1.030424e+04	8.197654e+03	9.769031e+03	9.105887e+03	6.690675e+03
##	21136	21137	21138	21139	21140
##	1.025989e+04	9.098746e+03	8.962051e+03	1.383155e+04	8.759754e+03
##	21141	21142	21143	21144	21145
##	9.834397e+03	9.858513e+03	9.323145e+03	7.463927e+03	9.166777e+03
##	21146	21147	21148	21149	21150
##	9.662212e+03	1.019989e+04	9.424065e+03	9.103083e+03	9.400728e+03
##	21151	21152	21153	21154	21155
##	1.044831e+04	8.232058e+03	8.209130e+03	9.433691e+03	7.095449e+03
##	21156	21157	21158	21159	21160
##	1.179058e+04	1.051882e+04	9.364984e+03	9.391799e+03	8.170661e+03
##	21161	21162	21163	21164	21165
##	7.749169e+03	8.495670e+03	9.723851e+03	8.299798e+03	6.948037e+03
##	21166	21167	21168	21169	21170
##	9.240621e+03	7.929988e+03	1.042395e+04	9.946514e+03	1.149603e+04
##	21171	21172	21173	21174	21175
##	1.110250e+04	7.907538e+03	8.522070e+03	9.773217e+03	1.081948e+04
##	21176	21177	21178	21179	21180
##	7.904221e+03	8.761358e+03	8.603052e+03	8.213906e+03	9.561013e+03
##	21181	21182	21183	21184	21185
##	8.815831e+03	9.810209e+03	8.487299e+03	1.184014e+04	9.702628e+03
##	21186	21187	21188	21189	21190
##	9.374288e+03	8.449522e+03	8.375917e+03	1.063434e+04	1.063749e+04
##	21191	21192	21193	21194	21195
##	1.048947e+04	9.572052e+03	8.953130e+03	9.193626e+03	9.939654e+03
##	21196	21197	21198	21199	21200
##	9.432495e+03	9.291887e+03	9.712044e+03	7.784429e+03	9.173649e+03
##	21201	21202	21203	21204	21205
##	1.214605e+04	9.092538e+03	1.017602e+04	8.580688e+03	7.109735e+03
##	21206	21207	21208	21209	21210
##	1.034347e+04	8.051314e+03	9.820708e+03	9.921240e+03	9.626680e+03
##	21211	21212	21213	21214	21215

##	6.831973e+03	8.951473e+03	1.040879e+04	8.543682e+03	9.282727e+03
##	21216	21217	21218	21219	21220
##	9.525029e+03	7.759136e+03	8.282498e+03	8.975491e+03	8.256603e+03
##	21221	21222	21223	21224	21225
##	8.269652e+03	9.984482e+03	8.558541e+03	8.152929e+03	8.657641e+03
##	21226	21227	21228	21229	21230
##	8.970035e+03	8.581340e+03	9.199964e+03	8.307659e+03	1.006140e+04
##	21231	21232	21233	21234	21235
##	8.412439e+03	7.797996e+03	8.111362e+03	1.050859e+04	9.776465e+03
##	21236	21237	21238	21239	21240
##	8.435702e+03	8.971482e+03	1.150162e+04	9.748483e+03	9.368560e+03
##	21241	21242	21243	21244	21245
##	8.737862e+03	9.632291e+03	8.823682e+03	9.968285e+03	9.249691e+03
##	21246	21247	21248	21249	21250
##	9.356847e+03	8.177065e+03	8.426026e+03	1.246555e+04	9.144347e+03
##	21251	21252	21253	21254	21255
##	8.512208e+03	9.720775e+03	9.572138e+03	8.149416e+03	8.597230e+03
##	21256	21257	21258	21259	21260
##	1.015689e+04	1.065724e+04	8.976799e+03	9.642144e+03	9.246252e+03
##	21261	21262	21263	21264	21265
##	8.300206e+03	6.926307e+03	7.178979e+03	1.072714e+04	1.039337e+04
##	21266	21267	21268	21269	21270
##	1.028516e+04	1.019864e+04	8.053561e+03	8.152174e+03	1.008428e+04
##	21271	21272	21273	21274	21275
##	9.511287e+03	8.439222e+03	1.212517e+04	1.156919e+04	1.050214e+04
##	21276	21277	21278	21279	21280
##	1.126483e+04	8.806010e+03	7.690923e+03	7.638838e+03	7.754323e+03
##	21281	21282	21283	21284	21285
##	1.233023e+04	1.293166e+04	1.017823e+04	8.111362e+03	7.911250e+03
##	21286	21287	21288	21289	21290
##	9.810986e+03	1.028223e+04	1.055325e+04	9.572768e+03	9.437332e+03
##	21291	21292	21293	21294	21295
##	8.024662e+03	9.796199e+03	8.322413e+03	8.140933e+03	9.333282e+03
##	21296	21297	21298	21299	21300
##	9.269165e+03	9.175013e+03	9.680251e+03	7.170204e+03	7.153082e+03
##	21301	21302	21303	21304	21305
##	9.306585e+03	9.049693e+03	8.086774e+03	9.929569e+03	9.847491e+03
##	21306	21307	21308	21309	21310
##	8.020225e+03	8.801284e+03	6.983569e+03	9.610085e+03	7.081704e+03
##	21311	21312	21313	21314	21315
##	7.058409e+03	9.886924e+03	9.914217e+03	9.995402e+03	1.140960e+04
##	21316	21317	21318	21319	21320
##	9.392879e+03	9.601204e+03	9.807262e+03	1.014900e+04	8.541310e+03
##	21321	21322	21323	21324	21325
##	9.273093e+03	9.383350e+03	9.107908e+03	9.807875e+03	9.594671e+03
##	21326	21327	21328	21329	21330
##	9.271351e+03	6.884403e+03	1.033496e+04	1.028249e+04	1.040760e+04
##	21331	21332	21333	21334	21335
##	1.393514e+04	8.191143e+03	8.326677e+03	1.023255e+04	8.472188e+03
##	21336	21337	21338	21339	21340
##	1.022863e+04	9.603163e+03	7.054734e+03	1.239178e+04	1.017551e+04
##	21341	21342	21343	21344	21345
##	7.067027e+03	7.358829e+03	8.585203e+03	7.060328e+03	7.114841e+03
##	21346	21347	21348	21349	21350

##	8.535395e+03	8.454955e+03	6.878119e+03	1.145368e+04	9.551148e+03
##	21351	21352	21353	21354	21355
##	9.984189e+03	1.136042e+04	8.210657e+03	7.173730e+03	1.039341e+04
##	21356	21357	21358	21359	21360
##	8.880464e+03	6.709127e+03	6.709198e+03	9.641502e+03	8.734401e+03
##	21361	21362	21363	21364	21365
##	1.165576e+03	7.189493e+02	6.915933e+02	4.705816e+02	-1.764970e+02
##	21366	21367	21368	21369	21370
##	-1.850121e+02	-7.019389e+02	6.570203e+02	6.334170e+02	-5.590347e+02
##	21371	21372	21373	21374	21375
##	4.686893e+02	4.847771e+02	3.343610e+02	3.237675e+02	3.446130e+02
##	21376	21377	21378	21379	21380
##	3.446583e+02	8.922540e+02	1.035737e+03	3.578754e+02	5.067687e+02
##	21381	21382	21383	21384	21385
##	2.876203e+02	5.161162e+02	3.566509e+02	5.399724e+02	3.979268e+02
##	21386	21387	21388	21389	21390
##	-5.754827e+02	2.330588e+02	4.531290e+02	3.592913e+02	4.429957e+02
##	21391	21392	21393	21394	21395
##	7.116852e+03	7.643854e+03	1.089062e+04	9.539409e+03	1.003064e+04
##	21396	21397	21398	21399	21400
##	8.295610e+03	9.315055e+03	9.310121e+03	9.366070e+03	9.476674e+03
##	21401	21402	21403	21404	21405
##	9.954658e+03	1.005028e+04	7.560250e+03	1.012513e+04	7.483460e+03
##	21406	21407	21408	21409	21410
##	9.939592e+03	9.549133e+03	7.118570e+03	1.167949e+04	9.567569e+03
##	21411	21412	21413	21414	21415
##	8.401524e+03	8.155891e+03	8.851530e+03	1.039754e+04	8.216457e+03
##	21416	21417	21418	21419	21420
##	1.039325e+04	1.068039e+04	1.249552e+04	9.710561e+03	9.708668e+03
##	21421	21422	21423	21424	21425
##	8.079471e+03	9.597979e+03	1.033458e+04	9.494493e+03	7.708242e+03
##	21426	21427	21428	21429	21430
##	9.581112e+03	1.004056e+04	1.007787e+04	9.480314e+03	8.215888e+03
##	21431	21432	21433	21434	21435
##	7.929978e+03	1.021220e+04	1.071719e+04	1.195267e+04	8.796697e+03
##	21436	21437	21438	21439	21440
##	9.639666e+03	8.435830e+03	8.538184e+03	8.511157e+03	9.874181e+03
##	21441	21442	21443	21444	21445
##	7.589008e+03	8.266945e+03	7.454560e+03	8.690546e+03	1.049548e+04
##	21446	21447	21448	21449	21450
##	9.289285e+03	8.494962e+03	7.767460e+03	1.242150e+04	7.005095e+03
##	21451	21452	21453	21454	21455
##	1.161616e+04	1.163122e+04	9.923915e+03	9.477259e+03	7.240934e+03
##	21456	21457	21458	21459	21460
##	7.173064e+03	9.799969e+03	8.854606e+03	9.707768e+03	1.008556e+04
##	21461	21462	21463	21464	21465
##	1.021767e+04	9.798474e+03	1.007774e+04	9.616759e+03	9.989453e+03
##	21466	21467	21468	21469	21470
##	8.896628e+03	1.099496e+04	8.272487e+03	8.455331e+03	9.691288e+03
##	21471	21472	21473	21474	21475
##	9.990679e+03	8.571999e+03	9.202148e+03	1.032760e+04	9.297530e+03
##	21476	21477	21478	21479	21480
##	9.433866e+03	8.374573e+03	8.333317e+03	9.531423e+03	9.445149e+03
##	21481	21482	21483	21484	21485

##	1.002087e+04	9.335150e+03	8.915727e+03	9.125424e+03	1.182656e+04
##	21486	21487	21488	21489	21490
##	8.581178e+03	8.608020e+03	8.460998e+03	9.949082e+03	1.061904e+04
##	21491	21492	21493	21494	21495
##	9.722274e+03	8.866290e+03	8.269297e+03	8.502069e+03	8.315646e+03
##	21496	21497	21498	21499	21500
##	9.637517e+03	8.347614e+03	6.774494e+03	9.953622e+03	9.352950e+03
##	21501	21502	21503	21504	21505
##	1.004357e+04	9.450215e+03	1.121783e+04	8.359160e+03	7.054815e+03
##	21506	21507	21508	21509	21510
##	7.159408e+03	1.001409e+04	1.051714e+04	1.089071e+04	8.135044e+03
##	21511	21512	21513	21514	21515
##	1.166306e+04	8.523042e+03	9.965369e+03	1.201855e+04	9.508464e+03
##	21516	21517	21518	21519	21520
##	1.011716e+04	8.080826e+03	1.035651e+04	1.003636e+04	1.219786e+04
##	21521	21522	21523	21524	21525
##	9.957933e+03	9.676395e+03	6.768841e+03	9.039925e+03	7.324504e+03
##	21526	21527	21528	21529	21530
##	8.197320e+03	8.176024e+03	7.379930e+03	1.014290e+04	9.624628e+03
##	21531	21532	21533	21534	21535
##	7.211119e+03	8.274029e+03	9.828613e+03	8.524527e+03	7.989689e+03
##	21536	21537	21538	21539	21540
##	6.277350e+03	9.853145e+03	9.967461e+03	7.845309e+03	8.406622e+03
##	21541	21542	21543	21544	21545
##	6.982169e+03	9.612361e+03	1.001941e+04	9.968198e+03	7.265256e+03
##	21546	21547	21548	21549	21550
##	7.137874e+03	1.021606e+04	8.136888e+03	7.580286e+03	1.298210e+04
##	21551	21552	21553	21554	21555
##	9.583479e+03	8.335200e+03	1.295254e+04	1.291783e+04	1.294530e+04
##	21556	21557	21558	21559	21560
##	1.211271e+04	1.188838e+04	9.878221e+03	6.919582e+03	8.727007e+03
##	21561	21562	21563	21564	21565
##	7.099309e+03	9.429060e+03	1.120439e+04	1.010263e+04	9.171045e+03
##	21566	21567	21568	21569	21570
##	1.162908e+04	1.700131e+04	6.827819e+03	7.805569e+03	7.473223e+03
##	21571	21572	21573	21574	21575
##	1.026497e+04	7.775215e+03	1.025351e+04	9.496006e+03	7.427170e+03
##	21576	21577	21578	21579	21580
##	7.374797e+03	9.788872e+03	9.397983e+03	9.668103e+03	9.657653e+03
##	21581	21582	21583	21584	21585
##	8.937963e+03	8.936959e+03	1.068085e+04	1.091382e+04	1.009837e+04
##	21586	21587	21588	21589	21590
##	9.825677e+03	7.043925e+03	1.055253e+04	8.496757e+03	9.572925e+03
##	21591	21592	21593	21594	21595
##	7.920216e+03	9.676835e+03	1.030760e+04	9.462072e+03	9.451153e+03
##	21596	21597	21598	21599	21600
##	1.006624e+04	8.084640e+03	8.831173e+03	9.308962e+03	9.657774e+03
##	21601	21602	21603	21604	21605
##	9.711377e+03	9.622238e+03	9.622238e+03	8.414230e+03	7.430379e+03
##	21606	21607	21608	21609	21610
##	1.030404e+04	1.063510e+04	9.937586e+03	9.597979e+03	1.018625e+04
##	21611	21612	21613	21614	21615
##	9.741775e+03	7.204154e+03	1.108186e+04	8.626444e+03	1.019343e+04
##	21616	21617	21618	21619	21620

##	1.102821e+04	1.079091e+04	8.316865e+03	1.011502e+04	7.403424e+03
##	21621	21622	21623	21624	21625
##	6.942571e+03	6.928970e+03	7.466880e+03	1.068665e+04	9.326585e+03
##	21626	21627	21628	21629	21630
##	1.550166e+04	9.505248e+03	1.019303e+04	8.731011e+03	6.880919e+03
##	21631	21632	21633	21634	21635
##	1.313620e+04	1.158947e+04	9.373358e+03	1.231360e+04	6.910866e+03
##	21636	21637	21638	21639	21640
##	9.520861e+03	1.025971e+04	1.022249e+04	9.771363e+03	1.000413e+04
##	21641	21642	21643	21644	21645
##	9.393188e+03	7.698419e+03	9.172957e+03	7.031999e+03	8.623353e+03
##	21646	21647	21648	21649	21650
##	8.622810e+03	8.428914e+03	7.077609e+03	6.995167e+03	1.054386e+04
##	21651	21652	21653	21654	21655
##	8.571999e+03	1.031506e+04	1.054431e+04	1.023599e+04	9.760601e+03
##	21656	21657	21658	21659	21660
##	8.407062e+03	8.557127e+03	8.410104e+03	8.540463e+03	8.547712e+03
##	21661	21662	21663	21664	21665
##	9.930070e+03	8.335346e+03	1.005148e+04	9.844955e+03	8.825575e+03
##	21666	21667	21668	21669	21670
##	9.671381e+03	9.383840e+03	9.953800e+03	9.282663e+03	9.492081e+03
##	21671	21672	21673	21674	21675
##	1.304742e+04	9.825129e+03	1.012161e+04	1.047885e+04	1.186559e+04
##	21676	21677	21678	21679	21680
##	8.560462e+03	9.734895e+03	1.275880e+04	9.757321e+03	8.244920e+03
##	21681	21682	21683	21684	21685
##	9.602779e+03	8.608814e+03	9.516569e+03	1.053271e+04	9.904297e+03
##	21686	21687	21688	21689	21690
##	7.367371e+03	8.613733e+03	7.390926e+03	9.687243e+03	8.934776e+03
##	21691	21692	21693	21694	21695
##	2.400233e+02	1.472280e+02	3.579942e+02	2.830585e+02	3.983547e+02
##	21696	21697	21698	21699	21700
##	4.036046e+02	5.191321e+02	2.021078e+02	3.699807e+02	5.200765e+02
##	21701	21702	21703	21704	21705
##	9.627686e+02	-9.466398e+02	4.351142e+02	8.376359e+02	6.405340e+02
##	21706	21707	21708	21709	21710
##	7.469923e+02	-2.115792e+02	-1.952838e+02	-2.121521e+02	1.213485e+03
##	21711	21712	21713	21714	21715
##	1.217871e+03	-3.328539e+03	-3.424367e+03	6.618895e+02	6.476845e+02
##	21716	21717	21718	21719	21720
##	9.816782e+02	6.571447e+02	6.699285e+02	6.398431e+02	6.425724e+02
##	21721	21722	21723	21724	21725
##	1.192426e+04	9.588299e+03	1.042587e+04	1.236769e+04	1.307847e+04
##	21726	21727	21728	21729	21730
##	7.800866e+03	1.298400e+04	1.154330e+04	7.482404e+03	9.272147e+03
##	21731	21732	21733	21734	21735
##	7.471956e+03	8.380307e+03	8.351682e+03	1.171308e+04	9.877060e+03
##	21736	21737	21738	21739	21740
##	8.616799e+03	1.260313e+04	8.763248e+03	9.608261e+03	7.554658e+03
##	21741	21742	21743	21744	21745
##	9.870454e+03	6.984146e+03	9.259542e+03	9.986242e+03	9.492497e+03
##	21746	21747	21748	21749	21750
##	6.919471e+03	9.277915e+03	9.784920e+03	7.814773e+03	1.005574e+04
##	21751	21752	21753	21754	21755

##	1.039607e+04	8.058706e+03	7.830038e+03	9.492951e+03	9.992379e+03
##	21756	21757	21758	21759	21760
##	1.011876e+04	9.796492e+03	1.021435e+04	1.967181e+04	9.658271e+03
##	21761	21762	21763	21764	21765
##	1.024730e+04	9.792215e+03	1.031241e+04	9.916071e+03	9.454748e+03
##	21766	21767	21768	21769	21770
##	7.834546e+03	9.689086e+03	9.259953e+03	9.625782e+03	1.029616e+04
##	21771	21772	21773	21774	21775
##	8.485064e+03	8.581908e+03	8.696471e+03	9.016982e+03	1.007485e+04
##	21776	21777	21778	21779	21780
##	7.442283e+03	1.099431e+04	7.724139e+03	8.332988e+03	1.017346e+04
##	21781	21782	21783	21784	21785
##	1.026934e+04	1.336372e+04	1.339717e+04	1.339717e+04	1.404950e+04
##	21786	21787	21788	21789	21790
##	9.929308e+03	1.150353e+04	7.608534e+03	1.196805e+04	1.040513e+04
##	21791	21792	21793	21794	21795
##	7.318509e+03	7.660616e+03	8.461415e+03	1.054944e+04	6.963675e+03
##	21796	21797	21798	21799	21800
##	6.948614e+03	7.884761e+03	7.078489e+03	7.865661e+03	8.442444e+03
##	21801	21802	21803	21804	21805
##	7.939989e+03	9.059335e+03	1.006089e+04	9.258069e+03	1.020748e+04
##	21806	21807	21808	21809	21810
##	8.503444e+03	1.017272e+04	1.191633e+04	7.253005e+03	1.095374e+04
##	21811	21812	21813	21814	21815
##	7.208979e+03	1.089187e+04	8.624566e+03	8.265972e+03	1.119990e+04
##	21816	21817	21818	21819	21820
##	9.436472e+03	9.189914e+03	9.200123e+03	9.097073e+03	9.856830e+03
##	21821	21822	21823	21824	21825
##	9.857637e+03	9.897340e+03	9.486355e+03	1.029934e+04	1.061591e+04
##	21826	21827	21828	21829	21830
##	8.833223e+03	7.297701e+03	9.438550e+03	9.521152e+03	1.056608e+04
##	21831	21832	21833	21834	21835
##	1.025858e+04	9.355996e+03	9.282515e+03	9.913338e+03	1.005929e+04
##	21836	21837	21838	21839	21840
##	8.575999e+03	8.574370e+03	7.646442e+03	1.103302e+04	1.001893e+04
##	21841	21842	21843	21844	21845
##	1.064355e+04	7.262194e+03	6.840205e+03	1.022069e+04	8.378721e+03
##	21846	21847	21848	21849	21850
##	1.149786e+04	8.725759e+03	6.957855e+03	1.009984e+04	9.850382e+03
##	21851	21852	21853	21854	21855
##	8.894786e+03	1.037392e+04	8.322205e+03	8.592274e+03	8.562280e+03
##	21856	21857	21858	21859	21860
##	8.115373e+03	6.999992e+03	7.031541e+03	8.579336e+03	8.875144e+03
##	21861	21862	21863	21864	21865
##	8.890598e+03	9.861726e+03	2.159020e+04	9.050940e+03	1.056104e+04
##	21866	21867	21868	21869	21870
##	6.990064e+03	8.616884e+03	8.132870e+03	7.304893e+03	8.833522e+03
##	21871	21872	21873	21874	21875
##	8.277919e+03	8.310652e+03	9.421912e+03	1.058351e+04	8.472617e+03
##	21876	21877	21878	21879	21880
##	9.373415e+03	1.043303e+04	9.191055e+03	9.551331e+03	1.018294e+04
##	21881	21882	21883	21884	21885
##	1.004643e+04	8.637754e+03	9.877806e+03	9.958765e+03	8.031680e+03
##	21886	21887	21888	21889	21890

##	9.630466e+03	6.506592e+03	1.182590e+04	9.762146e+03	9.363266e+03
##	21891	21892	21893	21894	21895
##	1.044038e+04	9.655176e+03	9.452105e+03	1.099514e+04	1.045846e+04
##	21896	21897	21898	21899	21900
##	7.156880e+03	7.253943e+03	7.666169e+03	1.193926e+04	8.554598e+03
##	21901	21902	21903	21904	21905
##	1.038998e+04	1.030764e+04	7.257050e+03	1.060188e+04	1.004619e+04
##	21906	21907	21908	21909	21910
##	9.679019e+03	8.893204e+03	1.232415e+04	1.210315e+04	9.913527e+03
##	21911	21912	21913	21914	21915
##	1.080220e+04	9.179650e+03	9.234647e+03	6.998146e+03	8.760821e+03
##	21916	21917	21918	21919	21920
##	9.568421e+03	9.178112e+03	8.840007e+03	9.363687e+03	1.005682e+04
##	21921	21922	21923	21924	21925
##	1.161599e+04	1.034277e+04	7.393331e+03	1.012815e+04	8.745188e+03
##	21926	21927	21928	21929	21930
##	8.617257e+03	1.368120e+04	9.931307e+03	1.070227e+04	7.236231e+03
##	21931	21932	21933	21934	21935
##	8.771596e+03	8.561571e+03	1.275880e+04	8.364603e+03	9.702605e+03
##	21936	21937	21938	21939	21940
##	4.155706e+03	7.335981e+03	1.008350e+04	9.458135e+03	9.445683e+03
##	21941	21942	21943	21944	21945
##	9.345912e+03	9.585067e+03	9.648371e+03	9.900158e+03	7.721875e+03
##	21946	21947	21948	21949	21950
##	8.302569e+03	6.951445e+03	1.004044e+04	1.000594e+04	7.331484e+03
##	21951	21952	21953	21954	21955
##	9.042426e+03	1.003271e+04	9.548957e+03	1.003971e+04	1.006947e+04
##	21956	21957	21958	21959	21960
##	1.010945e+04	1.005040e+04	7.911572e+03	8.901841e+03	7.434551e+03
##	21961	21962	21963	21964	21965
##	1.055798e+04	7.468968e+03	1.004496e+04	8.611806e+03	8.501440e+03
##	21966	21967	21968	21969	21970
##	1.036035e+04	1.072880e+04	8.748471e+03	9.148043e+03	9.501990e+03
##	21971	21972	21973	21974	21975
##	1.041808e+04	1.373359e+04	1.273960e+04	7.558829e+03	1.051327e+04
##	21976	21977	21978	21979	21980
##	1.059687e+04	1.008974e+04	7.649068e+03	7.090349e+03	7.036704e+03
##	21981	21982	21983	21984	21985
##	7.181550e+03	9.773670e+03	1.220534e+04	7.668609e+03	8.432662e+03
##	21986	21987	21988	21989	21990
##	9.596307e+03	8.134412e+03	8.352245e+03	8.401729e+03	1.183563e+04
##	21991	21992	21993	21994	21995
##	1.278690e+04	7.070214e+03	7.500221e+03	1.085116e+04	9.853820e+03
##	21996	21997	21998	21999	22000
##	9.587533e+03	1.041191e+04	8.502594e+03	7.798062e+03	7.803834e+03
##	22001	22002	22003	22004	22005
##	9.375400e+03	9.036001e+03	9.149200e+03	9.159408e+03	1.563244e+04
##	22006	22007	22008	22009	22010
##	1.054466e+04	8.761973e+03	1.099032e+04	9.669507e+03	1.037088e+04
##	22011	22012	22013	22014	22015
##	9.470258e+03	9.377478e+03	8.543525e+03	9.179405e+03	1.002876e+04
##	22016	22017	22018	22019	22020
##	9.862445e+03	9.349227e+03	9.436804e+03	1.054721e+04	9.231622e+03
##	22021	22022	22023	22024	22025

##	7.132709e+02	4.279024e+02	-7.222046e+02	5.882061e+02	7.653511e+02
##	22026	22027	22028	22029	22030
##	-3.847083e+02	-3.944867e+02	2.433827e+01	6.304772e+02	5.515400e+02
##	22031	22032	22033	22034	22035
##	-5.613304e+02	-6.930571e+02	-5.383436e+02	-8.825995e+02	-2.819506e+02
##	22036	22037	22038	22039	22040
##	-1.808898e+02	-2.470456e+02	-2.559590e+02	-2.697943e+02	-4.312019e+02
##	22041	22042	22043	22044	22045
##	-3.931225e+02	-3.247367e+02	-4.629855e+02	-4.571312e+02	-4.676643e+02
##	22046	22047	22048	22049	22050
##	-4.681865e+02	-6.167570e+02	-3.467229e+02	-6.254355e+02	-6.393162e+02
##	22051	22052	22053	22054	22055
##	9.340464e+03	8.428950e+03	8.514927e+03	8.543834e+03	8.654371e+03
##	22056	22057	22058	22059	22060
##	1.203920e+04	1.099213e+04	1.158133e+04	9.952012e+03	1.081788e+04
##	22061	22062	22063	22064	22065
##	9.980673e+03	1.020755e+04	1.209239e+04	1.020034e+04	9.006551e+03
##	22066	22067	22068	22069	22070
##	8.833714e+03	1.021634e+04	9.799489e+03	9.430123e+03	1.089524e+04
##	22071	22072	22073	22074	22075
##	1.030267e+04	7.594507e+03	9.047160e+03	9.378086e+03	1.013828e+04
##	22076	22077	22078	22079	22080
##	9.667760e+03	9.159626e+03	1.020816e+04	1.049717e+04	1.073116e+04
##	22081	22082	22083	22084	22085
##	9.189159e+03	8.538621e+03	1.012068e+04	7.614115e+03	9.947498e+03
##	22086	22087	22088	22089	22090
##	1.034512e+04	1.100507e+04	1.093736e+04	8.552748e+03	7.651772e+03
##	22091	22092	22093	22094	22095
##	1.063533e+04	7.088220e+03	8.888206e+03	1.039796e+04	8.802986e+03
##	22096	22097	22098	22099	22100
##	8.227026e+03	1.004640e+04	1.052079e+04	9.582924e+03	8.935389e+03
##	22101	22102	22103	22104	22105
##	1.026098e+04	1.037284e+04	9.510616e+03	9.821683e+03	7.475084e+03
##	22106	22107	22108	22109	22110
##	7.641132e+03	1.103645e+04	1.067457e+04	6.945393e+03	1.176483e+04
##	22111	22112	22113	22114	22115
##	8.403326e+03	8.793861e+03	8.782809e+03	9.953193e+03	7.912235e+03
##	22116	22117	22118	22119	22120
##	7.770487e+03	9.685039e+03	9.742026e+03	1.069832e+04	7.131169e+03
##	22121	22122	22123	22124	22125
##	9.489663e+03	1.012195e+04	1.020405e+04	1.071677e+04	9.810588e+03
##	22126	22127	22128	22129	22130
##	9.185039e+03	8.237712e+03	1.085762e+04	1.269842e+04	9.891219e+03
##	22131	22132	22133	22134	22135
##	1.032027e+04	1.004269e+04	1.009133e+04	1.121830e+04	1.093956e+04
##	22136	22137	22138	22139	22140
##	1.085530e+04	8.765646e+03	1.019694e+04	8.616943e+03	8.195892e+03
##	22141	22142	22143	22144	22145
##	1.383436e+04	1.048278e+04	5.876202e+03	1.322438e+04	1.419411e+04
##	22146	22147	22148	22149	22150
##	1.278460e+04	1.278460e+04	1.374826e+04	1.374826e+04	1.347134e+04
##	22151	22152	22153	22154	22155
##	8.642083e+03	1.059709e+04	9.573908e+03	9.849264e+03	7.700089e+03
##	22156	22157	22158	22159	22160

##	7.036049e+03	1.051975e+04	1.133792e+04	1.010531e+04	8.783221e+03
##	22161	22162	22163	22164	22165
##	8.642460e+03	9.120444e+03	7.542213e+03	1.003843e+04	9.318717e+03
##	22166	22167	22168	22169	22170
##	9.529381e+03	1.065621e+04	9.965830e+03	9.503253e+03	7.830142e+03
##	22171	22172	22173	22174	22175
##	9.490903e+03	1.010772e+04	9.409140e+03	1.032643e+04	8.097811e+03
##	22176	22177	22178	22179	22180
##	9.973291e+03	1.068243e+04	9.943825e+03	9.662941e+03	1.008940e+04
##	22181	22182	22183	22184	22185
##	1.036518e+04	1.007000e+04	7.198053e+03	1.016052e+04	9.107328e+03
##	22186	22187	22188	22189	22190
##	8.717934e+03	7.688185e+03	1.038755e+04	1.036728e+04	1.040100e+04
##	22191	22192	22193	22194	22195
##	1.022608e+04	9.617650e+03	8.307932e+03	9.200492e+03	8.592096e+03
##	22196	22197	22198	22199	22200
##	1.005342e+04	1.018860e+04	7.949547e+03	1.081447e+04	9.841798e+03
##	22201	22202	22203	22204	22205
##	8.285820e+03	9.105084e+03	9.531555e+03	8.366131e+03	7.775276e+03
##	22206	22207	22208	22209	22210
##	1.051474e+04	9.423880e+03	1.022107e+04	8.657616e+03	8.151038e+03
##	22211	22212	22213	22214	22215
##	7.661630e+03	7.823572e+03	1.000712e+04	1.118198e+04	1.072092e+04
##	22216	22217	22218	22219	22220
##	9.897101e+03	9.585484e+03	1.011898e+04	8.546663e+03	9.403248e+03
##	22221	22222	22223	22224	22225
##	9.904779e+03	1.042689e+04	1.054460e+04	9.889045e+03	1.076760e+04
##	22226	22227	22228	22229	22230
##	1.018780e+04	1.334786e+04	8.108743e+03	7.047781e+03	1.044508e+04
##	22231	22232	22233	22234	22235
##	8.841970e+03	8.751908e+03	1.050721e+04	1.012926e+04	7.553042e+03
##	22236	22237	22238	22239	22240
##	9.902252e+03	9.953714e+03	1.012743e+04	1.012372e+04	9.618715e+03
##	22241	22242	22243	22244	22245
##	7.376467e+03	1.033312e+04	8.691693e+03	7.703999e+03	1.006612e+04
##	22246	22247	22248	22249	22250
##	1.028310e+04	9.260250e+03	8.904537e+03	8.794028e+03	8.798603e+03
##	22251	22252	22253	22254	22255
##	7.814550e+03	1.335017e+04	9.681827e+03	8.340777e+03	1.045133e+04
##	22256	22257	22258	22259	22260
##	1.119432e+04	9.729613e+03	1.218824e+04	7.746586e+03	8.409450e+03
##	22261	22262	22263	22264	22265
##	9.621473e+03	7.820982e+03	7.469731e+03	1.061130e+04	7.955525e+03
##	22266	22267	22268	22269	22270
##	9.480110e+03	1.111614e+04	8.842555e+03	8.834014e+03	1.019815e+04
##	22271	22272	22273	22274	22275
##	9.113195e+03	8.046643e+03	7.741732e+03	9.634585e+03	9.659328e+03
##	22276	22277	22278	22279	22280
##	1.094891e+04	9.540718e+03	1.061496e+04	1.063189e+04	7.806228e+03
##	22281	22282	22283	22284	22285
##	1.032381e+04	1.202447e+04	1.213913e+04	1.208133e+04	8.734522e+03
##	22286	22287	22288	22289	22290
##	1.054737e+04	1.271572e+04	1.055028e+04	1.082094e+04	1.038335e+04
##	22291	22292	22293	22294	22295

##	9.682422e+03	1.320221e+04	9.466318e+03	9.178651e+03	1.097524e+04
##	22296	22297	22298	22299	22300
##	6.895851e+03	9.242392e+03	8.230719e+03	8.401739e+03	1.033930e+04
##	22301	22302	22303	22304	22305
##	1.053042e+04	7.260619e+03	1.012324e+04	1.028974e+04	1.014554e+04
##	22306	22307	22308	22309	22310
##	1.001215e+04	7.300309e+03	7.421737e+03	1.079422e+04	9.613575e+03
##	22311	22312	22313	22314	22315
##	8.526004e+03	8.564451e+03	9.257876e+03	8.320155e+03	1.031860e+04
##	22316	22317	22318	22319	22320
##	1.019940e+04	1.033438e+04	1.069181e+04	9.191273e+03	1.102363e+04
##	22321	22322	22323	22324	22325
##	1.012482e+04	9.566973e+03	1.057269e+04	8.866813e+03	9.080037e+03
##	22326	22327	22328	22329	22330
##	8.351163e+03	8.560549e+03	8.803340e+03	1.022362e+04	9.698328e+03
##	22331	22332	22333	22334	22335
##	1.111552e+04	9.570970e+03	8.666128e+03	9.543371e+03	9.360980e+03
##	22336	22337	22338	22339	22340
##	1.058467e+04	7.065476e+03	7.817959e+03	8.647285e+03	8.762863e+03
##	22341	22342	22343	22344	22345
##	1.404526e+04	9.069551e+03	1.016331e+04	8.908779e+03	7.909921e+03
##	22346	22347	22348	22349	22350
##	1.167846e+04	9.925115e+03	9.752516e+03	1.057517e+04	1.370809e+04
##	22351	22352	22353	22354	22355
##	-4.578794e+02	-1.514996e+02	-1.396921e+02	-2.507023e+02	-1.515957e+02
##	22356	22357	22358	22359	22360
##	-2.155325e+02	-1.213689e+02	-1.309293e+02	-1.479844e+02	-2.205810e+02
##	22361	22362	22363	22364	22365
##	-3.177722e+02	-3.354394e+02	-2.643418e+02	-1.338001e+02	-3.365635e+02
##	22366	22367	22368	22369	22370
##	-1.036693e+02	-3.449998e+02	-2.891588e+02	-3.413432e+02	-2.502536e+02
##	22371	22372	22373	22374	22375
##	-2.899901e+02	-3.450452e+02	-1.896190e+02	-3.435112e+02	-2.059651e+02
##	22376	22377	22378	22379	22380
##	-2.059651e+02	-2.977878e+02	-2.876091e+02	-3.242619e+02	4.442080e+01
##	22381	22382	22383	22384	22385
##	9.957759e+03	1.006818e+04	7.147160e+03	9.149674e+03	8.110739e+03
##	22386	22387	22388	22389	22390
##	1.019436e+04	1.314114e+04	7.972238e+03	1.321516e+04	9.602118e+03
##	22391	22392	22393	22394	22395
##	9.427302e+03	1.369468e+04	1.369468e+04	1.030151e+04	9.926082e+03
##	22396	22397	22398	22399	22400
##	1.104193e+04	9.024946e+03	1.065895e+04	1.021627e+04	1.831494e+04
##	22401	22402	22403	22404	22405
##	9.812311e+03	9.796739e+03	1.001724e+04	1.072603e+04	9.840934e+03
##	22406	22407	22408	22409	22410
##	1.007125e+04	1.103217e+04	1.139481e+04	8.449181e+03	9.263201e+03
##	22411	22412	22413	22414	22415
##	9.723004e+03	8.780264e+03	8.649747e+03	1.553581e+04	9.059258e+03
##	22416	22417	22418	22419	22420
##	1.014098e+04	8.410451e+03	9.122305e+03	7.479624e+03	8.845861e+03
##	22421	22422	22423	22424	22425
##	8.069609e+03	9.787430e+03	1.020408e+04	1.010418e+04	8.331221e+03
##	22426	22427	22428	22429	22430

##	9.566763e+03	7.151418e+03	7.676572e+03	2.211871e+04	8.531997e+03
##	22431	22432	22433	22434	22435
##	9.710419e+03	1.396518e+04	1.241331e+04	1.029141e+04	7.668472e+03
##	22436	22437	22438	22439	22440
##	6.985021e+03	8.619718e+03	9.792083e+03	9.754149e+03	9.695966e+03
##	22441	22442	22443	22444	22445
##	1.868925e+04	1.044479e+04	9.606147e+03	1.031675e+04	1.098325e+04
##	22446	22447	22448	22449	22450
##	9.795932e+03	9.574137e+03	7.271787e+03	1.067348e+04	1.125695e+04
##	22451	22452	22453	22454	22455
##	9.851358e+03	1.006486e+04	1.018666e+04	1.077329e+04	1.101402e+04
##	22456	22457	22458	22459	22460
##	8.630621e+03	1.022457e+04	8.658977e+03	1.223050e+04	1.027335e+04
##	22461	22462	22463	22464	22465
##	1.197077e+04	8.591762e+03	8.791996e+03	7.834801e+03	9.656565e+03
##	22466	22467	22468	22469	22470
##	1.224996e+04	1.153290e+04	8.768370e+03	1.053961e+04	1.061117e+04
##	22471	22472	22473	22474	22475
##	1.014699e+04	1.079857e+04	8.839419e+03	7.013503e+03	7.230642e+03
##	22476	22477	22478	22479	22480
##	1.102468e+04	1.088181e+04	1.089349e+04	9.697066e+03	8.475519e+03
##	22481	22482	22483	22484	22485
##	8.466224e+03	9.168608e+03	1.058009e+04	8.281141e+03	1.024008e+04
##	22486	22487	22488	22489	22490
##	7.562260e+03	9.459456e+03	1.065054e+04	9.535365e+03	1.110892e+04
##	22491	22492	22493	22494	22495
##	1.064068e+04	1.018667e+04	1.044557e+04	1.422853e+04	1.285095e+04
##	22496	22497	22498	22499	22500
##	9.137936e+03	1.222622e+04	1.051913e+04	1.020776e+04	8.900365e+03
##	22501	22502	22503	22504	22505
##	8.505235e+03	7.249416e+03	9.342069e+03	1.026544e+04	9.139340e+03
##	22506	22507	22508	22509	22510
##	1.040856e+04	9.617524e+03	7.871255e+03	7.059436e+03	1.052138e+04
##	22511	22512	22513	22514	22515
##	1.010781e+04	1.011501e+04	1.004339e+04	1.020968e+04	1.084102e+04
##	22516	22517	22518	22519	22520
##	1.073423e+04	9.686549e+03	8.286720e+03	9.231877e+03	9.059680e+03
##	22521	22522	22523	22524	22525
##	1.010912e+04	1.301258e+04	1.035419e+04	1.100246e+04	6.428647e+03
##	22526	22527	22528	22529	22530
##	9.459682e+03	6.843100e+03	1.071969e+04	8.656171e+03	9.322961e+03
##	22531	22532	22533	22534	22535
##	9.957482e+03	8.960953e+03	1.239242e+04	1.102441e+04	9.434903e+03
##	22536	22537	22538	22539	22540
##	1.006970e+04	1.012654e+04	7.746708e+03	7.008481e+03	1.322007e+04
##	22541	22542	22543	22544	22545
##	1.967681e+04	7.306846e+03	1.032924e+04	8.543153e+03	8.967887e+03
##	22546	22547	22548	22549	22550
##	1.142582e+04	9.858030e+03	9.231000e+03	1.028814e+04	1.035540e+04
##	22551	22552	22553	22554	22555
##	9.549541e+03	1.098684e+04	9.735679e+03	1.136641e+04	1.021183e+04
##	22556	22557	22558	22559	22560
##	9.762619e+03	7.931523e+03	7.103623e+03	1.076817e+04	9.930907e+03
##	22561	22562	22563	22564	22565

##	8.538917e+03	1.098085e+04	9.369269e+03	7.556891e+03	9.756024e+03
##	22566	22567	22568	22569	22570
##	1.020811e+04	9.779862e+03	9.956167e+03	1.064460e+04	7.271993e+03
##	22571	22572	22573	22574	22575
##	1.135410e+04	8.735756e+03	9.887301e+03	1.039736e+04	9.641574e+03
##	22576	22577	22578	22579	22580
##	9.724811e+03	1.023443e+04	9.948089e+03	1.552028e+04	9.347765e+03
##	22581	22582	22583	22584	22585
##	1.002761e+04	9.797215e+03	1.139129e+04	9.053250e+03	9.053646e+03
##	22586	22587	22588	22589	22590
##	9.513465e+03	1.426450e+04	8.431105e+03	1.103514e+04	7.187538e+03
##	22591	22592	22593	22594	22595
##	1.021033e+04	1.013048e+04	8.114270e+03	9.881692e+03	1.045357e+04
##	22596	22597	22598	22599	22600
##	1.045751e+04	8.852889e+03	8.964959e+03	1.044032e+04	9.011078e+03
##	22601	22602	22603	22604	22605
##	1.006346e+04	1.043822e+04	9.963283e+03	9.569420e+03	8.781467e+03
##	22606	22607	22608	22609	22610
##	1.166936e+04	9.850100e+03	9.680434e+03	1.408830e+04	1.162259e+04
##	22611	22612	22613	22614	22615
##	1.028621e+04	1.155098e+04	7.995094e+03	1.022656e+04	1.202503e+04
##	22616	22617	22618	22619	22620
##	1.108925e+04	1.008455e+04	1.073764e+04	8.788167e+03	1.034880e+04
##	22621	22622	22623	22624	22625
##	1.213016e+04	7.122228e+03	1.091302e+04	1.041296e+04	1.042238e+04
##	22626	22627	22628	22629	22630
##	1.135507e+04	8.303864e+03	1.095838e+04	1.086635e+04	1.052786e+04
##	22631	22632	22633	22634	22635
##	1.013592e+04	1.031092e+04	8.293528e+03	8.243136e+03	8.270108e+03
##	22636	22637	22638	22639	22640
##	1.015661e+04	1.020810e+04	1.142094e+04	1.052176e+04	7.366856e+03
##	22641	22642	22643	22644	22645
##	1.010627e+04	1.003919e+04	1.157387e+04	9.880595e+03	1.022489e+04
##	22646	22647	22648	22649	22650
##	6.972366e+03	1.042288e+04	1.034599e+04	1.101807e+04	6.844612e+03
##	22651	22652	22653	22654	22655
##	1.020709e+04	1.109194e+04	9.728351e+03	7.850528e+03	1.113104e+04
##	22656	22657	22658	22659	22660
##	1.072570e+04	1.049598e+04	8.250605e+03	7.020019e+03	8.634488e+03
##	22661	22662	22663	22664	22665
##	1.048058e+04	8.613195e+03	7.150759e+03	1.126355e+04	7.316902e+03
##	22666	22667	22668	22669	22670
##	1.039800e+04	9.420386e+03	1.206048e+04	1.080186e+04	9.159361e+03
##	22671	22672	22673	22674	22675
##	1.573156e+04	8.800285e+03	9.139281e+03	1.072774e+04	8.979119e+03
##	22676	22677	22678	22679	22680
##	9.570826e+03	9.968775e+03	9.291622e+03	1.092005e+04	1.014893e+04
##	22681	22682	22683	22684	22685
##	-3.416289e+02	-3.444544e+02	-3.212527e+02	-2.698709e+02	-3.132586e+02
##	22686	22687	22688	22689	22690
##	-2.434982e+02	2.807003e+02	-2.571748e+03	8.312789e+02	3.856914e+02
##	22691	22692	22693	22694	22695
##	9.792337e+02	1.119992e+03	4.359340e+02	8.534273e+02	-7.091788e+02
##	22696	22697	22698	22699	22700

##	5.826244e+02	2.179893e+02	-4.041115e+02	-6.548640e+02	-9.736134e+02
##	22701	22702	22703	22704	22705
##	-1.598108e+03	-8.071455e+02	-5.272892e+02	2.838414e+02	2.282412e+02
##	22706	22707	22708	22709	22710
##	-2.980401e+02	-5.014042e+02	-6.034315e+02	-6.714925e+02	-6.529780e+02
##	22711	22712	22713	22714	22715
##	1.355499e+04	1.021966e+04	1.211420e+04	8.583799e+03	9.542367e+03
##	22716	22717	22718	22719	22720
##	7.168603e+03	9.381198e+03	1.070936e+04	9.878471e+03	1.124796e+04
##	22721	22722	22723	22724	22725
##	1.024164e+04	1.033731e+04	1.015674e+04	1.009980e+04	9.997558e+03
##	22726	22727	22728	22729	22730
##	8.154655e+03	1.048477e+04	1.008219e+04	8.653265e+03	1.066100e+04
##	22731	22732	22733	22734	22735
##	1.008341e+04	6.191007e+03	7.131454e+03	1.058010e+04	1.267129e+04
##	22736	22737	22738	22739	22740
##	1.103896e+04	8.240345e+03	1.037548e+04	6.959595e+03	1.121713e+04
##	22741	22742	22743	22744	22745
##	7.271470e+03	2.007199e+04	1.034969e+04	1.002281e+04	9.296633e+03
##	22746	22747	22748	22749	22750
##	8.016619e+03	1.193698e+04	1.021064e+04	1.008350e+04	1.053436e+04
##	22751	22752	22753	22754	22755
##	1.041025e+04	1.060034e+04	8.025312e+03	9.528428e+03	1.268547e+04
##	22756	22757	22758	22759	22760
##	1.274492e+04	1.355504e+04	7.276309e+03	1.050718e+04	1.039394e+04
##	22761	22762	22763	22764	22765
##	1.115361e+04	9.153135e+03	9.498648e+03	8.140281e+03	8.598965e+03
##	22766	22767	22768	22769	22770
##	7.715044e+03	9.093895e+03	7.192029e+03	9.853256e+03	1.017581e+04
##	22771	22772	22773	22774	22775
##	1.026706e+04	1.084196e+04	9.721904e+03	7.269405e+03	7.171260e+03
##	22776	22777	22778	22779	22780
##	1.225842e+04	1.044046e+04	7.186946e+03	7.323121e+03	1.143282e+04
##	22781	22782	22783	22784	22785
##	1.009868e+04	8.990965e+03	1.159926e+04	7.301757e+03	9.315124e+03
##	22786	22787	22788	22789	22790
##	9.338733e+03	1.129624e+04	8.198347e+03	8.565888e+03	1.066839e+04
##	22791	22792	22793	22794	22795
##	9.056655e+03	1.036683e+04	1.041263e+04	1.020874e+04	1.046689e+04
##	22796	22797	22798	22799	22800
##	1.114014e+04	1.006458e+04	1.130336e+04	8.651516e+03	1.088491e+04
##	22801	22802	22803	22804	22805
##	1.048812e+04	1.029136e+04	7.380592e+03	1.363540e+04	1.052960e+04
##	22806	22807	22808	22809	22810
##	1.033152e+04	1.027360e+04	1.041576e+04	1.385345e+04	1.385345e+04
##	22811	22812	22813	22814	22815
##	1.200991e+04	8.975325e+03	1.065705e+04	1.030973e+04	1.242862e+04
##	22816	22817	22818	22819	22820
##	9.324313e+03	8.908712e+03	8.484092e+03	1.103217e+04	9.518527e+03
##	22821	22822	22823	22824	22825
##	8.391082e+03	9.707228e+03	1.071838e+04	1.024205e+04	7.104908e+03
##	22826	22827	22828	22829	22830
##	1.227823e+04	8.478145e+03	7.270617e+03	1.210650e+04	7.857245e+03
##	22831	22832	22833	22834	22835

##	1.027215e+04	2.010247e+04	1.023985e+04	6.964194e+03	1.009314e+04
##	22836	22837	22838	22839	22840
##	1.052144e+04	1.058059e+04	7.421581e+03	1.040488e+04	7.361766e+03
##	22841	22842	22843	22844	22845
##	1.076642e+04	1.080110e+04	8.112256e+03	1.365871e+04	1.105426e+04
##	22846	22847	22848	22849	22850
##	9.130387e+03	1.195571e+04	9.091332e+03	9.829702e+03	1.016381e+04
##	22851	22852	22853	22854	22855
##	7.137017e+03	1.321950e+04	1.321950e+04	8.783120e+03	6.885583e+03
##	22856	22857	22858	22859	22860
##	1.029094e+04	8.599157e+03	1.027861e+04	1.030322e+04	6.961107e+03
##	22861	22862	22863	22864	22865
##	1.264876e+04	1.044509e+04	1.131279e+04	9.995943e+03	1.208585e+04
##	22866	22867	22868	22869	22870
##	1.038626e+04	8.024267e+03	1.073060e+04	1.153018e+04	1.110825e+04
##	22871	22872	22873	22874	22875
##	1.574690e+04	1.271210e+04	1.607920e+04	1.069618e+04	1.064869e+04
##	22876	22877	22878	22879	22880
##	7.397655e+03	9.037494e+03	9.267101e+03	1.017301e+04	1.085222e+04
##	22881	22882	22883	22884	22885
##	9.035944e+03	9.230961e+03	1.017894e+04	9.809313e+03	7.117710e+03
##	22886	22887	22888	22889	22890
##	1.034559e+04	9.443282e+03	1.154072e+04	1.066864e+04	9.175872e+03
##	22891	22892	22893	22894	22895
##	1.092336e+04	8.601493e+03	1.036180e+04	8.004396e+03	1.018214e+04
##	22896	22897	22898	22899	22900
##	1.114938e+04	1.154564e+04	9.545401e+03	1.190301e+04	9.828862e+03
##	22901	22902	22903	22904	22905
##	1.041352e+04	1.021144e+04	1.049727e+04	1.147985e+04	8.619721e+03
##	22906	22907	22908	22909	22910
##	1.017209e+04	1.040480e+04	8.040193e+03	1.025616e+04	1.008647e+04
##	22911	22912	22913	22914	22915
##	1.007277e+04	7.140293e+03	7.283723e+03	9.783635e+03	1.029523e+04
##	22916	22917	22918	22919	22920
##	9.452123e+03	1.123213e+04	1.009885e+04	1.020167e+04	1.029880e+04
##	22921	22922	22923	22924	22925
##	1.003300e+04	8.932224e+03	1.015440e+04	9.383430e+03	1.018982e+04
##	22926	22927	22928	22929	22930
##	1.079584e+04	1.037971e+04	1.033396e+04	7.359821e+03	7.390465e+03
##	22931	22932	22933	22934	22935
##	1.051363e+04	1.101088e+04	1.067950e+04	1.022004e+04	1.031606e+04
##	22936	22937	22938	22939	22940
##	1.286699e+04	9.456810e+03	1.045155e+04	1.050120e+04	8.525240e+03
##	22941	22942	22943	22944	22945
##	9.057399e+03	7.643793e+03	7.386247e+03	9.668775e+03	1.000008e+04
##	22946	22947	22948	22949	22950
##	7.021268e+03	1.019396e+04	1.156227e+04	7.879055e+03	1.067596e+04
##	22951	22952	22953	22954	22955
##	9.065616e+03	1.085909e+04	9.182801e+03	1.104493e+04	8.706069e+03
##	22956	22957	22958	22959	22960
##	1.023808e+04	1.128071e+04	1.026680e+04	9.555230e+03	1.031832e+04
##	22961	22962	22963	22964	22965
##	1.019375e+04	9.770479e+03	1.003001e+04	1.223061e+04	1.079534e+04
##	22966	22967	22968	22969	22970

##	1.016795e+04	7.284828e+03	1.076663e+04	7.847477e+03	1.101609e+04
##	22971	22972	22973	22974	22975
##	8.674042e+03	1.127765e+04	8.595441e+03	1.044741e+04	1.085920e+04
##	22976	22977	22978	22979	22980
##	9.176046e+03	7.684559e+03	1.004177e+04	1.015661e+04	7.292842e+03
##	22981	22982	22983	22984	22985
##	1.005931e+04	9.940631e+03	1.267029e+04	1.069912e+04	1.036913e+04
##	22986	22987	22988	22989	22990
##	1.186690e+04	1.210064e+04	1.049009e+04	9.072862e+03	9.884878e+03
##	22991	22992	22993	22994	22995
##	1.412352e+04	1.356708e+04	1.089000e+04	1.125993e+04	1.085736e+04
##	22996	22997	22998	22999	23000
##	1.063547e+04	1.131946e+04	1.584691e+04	8.175478e+03	8.661251e+03
##	23001	23002	23003	23004	23005
##	7.250260e+03	1.453294e+04	1.039590e+04	9.444526e+03	7.141983e+03
##	23006	23007	23008	23009	23010
##	9.754573e+03	1.153031e+04	1.021599e+04	1.049090e+04	1.019575e+04
##	23011	23012	23013	23014	23015
##	-8.000844e+02	-7.407049e+02	-9.818587e+00	-6.621048e+01	-7.051918e+01
##	23016	23017	23018	23019	23020
##	1.124963e+02	9.577301e+01	1.129283e+02	-3.201972e+03	1.603212e+02
##	23021	23022	23023	23024	23025
##	-5.635205e+02	-3.821199e+02	-4.567519e+02	-6.330259e+02	8.953051e+02
##	23026	23027	23028	23029	23030
##	9.247442e+02	4.905300e+02	5.344696e+02	5.455916e+02	-1.204663e+02
##	23031	23032	23033	23034	23035
##	-1.761398e+02	-7.147055e+02	-6.788786e+02	-5.807429e+02	-1.957792e+02
##	23036	23037	23038	23039	23040
##	-5.441355e+02	-6.043462e+02	-6.223681e+02	-6.226358e+02	-7.638569e+02
##	23041	23042	23043	23044	23045
##	1.026974e+04	9.554624e+03	9.487772e+03	8.026779e+03	1.023145e+04
##	23046	23047	23048	23049	23050
##	1.028556e+04	9.744530e+03	1.077795e+04	1.014093e+04	9.315300e+03
##	23051	23052	23053	23054	23055
##	8.798557e+03	7.367325e+03	1.154660e+04	1.026041e+04	1.033542e+04
##	23056	23057	23058	23059	23060
##	1.040985e+04	1.041903e+04	1.041770e+04	1.531997e+04	8.746554e+03
##	23061	23062	23063	23064	23065
##	8.954469e+03	1.035156e+04	1.115391e+04	1.006715e+04	1.086521e+04
##	23066	23067	23068	23069	23070
##	1.404312e+04	1.377823e+04	9.299526e+03	9.945049e+03	8.273699e+03
##	23071	23072	23073	23074	23075
##	9.011869e+03	1.543836e+04	1.036171e+04	1.100422e+04	1.033003e+04
##	23076	23077	23078	23079	23080
##	1.026881e+04	1.159185e+04	1.207032e+04	1.042342e+04	9.479438e+03
##	23081	23082	23083	23084	23085
##	1.339635e+04	1.010214e+04	9.774261e+03	1.214308e+04	9.892064e+03
##	23086	23087	23088	23089	23090
##	9.121219e+03	1.168257e+04	1.064529e+04	1.056726e+04	1.027480e+04
##	23091	23092	23093	23094	23095
##	1.134613e+04	1.533015e+04	8.165761e+03	8.178684e+03	1.425030e+04
##	23096	23097	23098	23099	23100
##	7.448464e+03	9.682991e+03	1.413108e+04	1.404633e+04	1.084710e+04
##	23101	23102	23103	23104	23105

##	1.481240e+04	8.386903e+03	1.062089e+04	9.408541e+03	7.217230e+03
##	23106	23107	23108	23109	23110
##	1.005396e+04	9.050756e+03	9.248721e+03	8.120228e+03	7.988923e+03
##	23111	23112	23113	23114	23115
##	9.743417e+03	1.024246e+04	1.268345e+04	9.422327e+03	1.130291e+04
##	23116	23117	23118	23119	23120
##	9.021969e+03	9.666593e+03	1.104047e+04	1.093695e+04	9.370750e+03
##	23121	23122	23123	23124	23125
##	1.150021e+04	1.540222e+04	1.081664e+04	1.027467e+04	1.058458e+04
##	23126	23127	23128	23129	23130
##	1.169847e+04	1.122301e+04	1.010988e+04	1.008085e+04	9.350104e+03
##	23131	23132	23133	23134	23135
##	1.015393e+04	1.071542e+04	7.079221e+03	1.026469e+04	1.129367e+04
##	23136	23137	23138	23139	23140
##	1.320954e+04	1.355610e+04	9.561984e+03	1.015408e+04	1.079708e+04
##	23141	23142	23143	23144	23145
##	1.084676e+04	1.051648e+04	1.055895e+04	1.220369e+04	9.403811e+03
##	23146	23147	23148	23149	23150
##	9.705916e+03	7.091089e+03	1.224982e+04	1.013230e+04	7.707656e+03
##	23151	23152	23153	23154	23155
##	7.242502e+03	7.339572e+03	1.064897e+04	1.056202e+04	1.134775e+04
##	23156	23157	23158	23159	23160
##	1.326380e+04	8.924515e+03	8.766828e+03	9.416521e+03	1.030723e+04
##	23161	23162	23163	23164	23165
##	1.150641e+04	1.041084e+04	9.416095e+03	1.039934e+04	1.009312e+04
##	23166	23167	23168	23169	23170
##	1.076748e+04	1.010022e+04	1.156737e+04	8.494704e+03	8.858677e+03
##	23171	23172	23173	23174	23175
##	8.595891e+03	1.328782e+04	1.017424e+04	1.066833e+04	1.037832e+04
##	23176	23177	23178	23179	23180
##	1.223269e+04	1.060526e+04	9.617882e+03	1.292944e+04	1.036681e+04
##	23181	23182	23183	23184	23185
##	1.089248e+04	1.152572e+04	1.036619e+04	1.343264e+04	1.117118e+04
##	23186	23187	23188	23189	23190
##	1.020235e+04	1.003661e+04	1.135287e+04	7.787446e+03	7.684844e+03
##	23191	23192	23193	23194	23195
##	9.176626e+03	1.395636e+04	1.135495e+04	1.462244e+04	1.327652e+04
##	23196	23197	23198	23199	23200
##	1.252958e+04	9.768457e+03	1.028931e+04	1.035216e+04	8.275054e+03
##	23201	23202	23203	23204	23205
##	8.821637e+03	1.387056e+04	1.037253e+04	7.746985e+03	1.043722e+04
##	23206	23207	23208	23209	23210
##	1.240327e+04	9.244236e+03	7.391317e+03	1.089206e+04	1.087130e+04
##	23211	23212	23213	23214	23215
##	9.141578e+03	1.002163e+04	1.062405e+04	1.047129e+04	1.417654e+04
##	23216	23217	23218	23219	23220
##	1.103705e+04	1.174304e+04	8.176608e+03	1.600640e+04	1.102350e+04
##	23221	23222	23223	23224	23225
##	1.097983e+04	1.109601e+04	1.054415e+04	9.999142e+03	1.038358e+04
##	23226	23227	23228	23229	23230
##	9.014866e+03	1.033392e+04	8.160019e+03	8.069334e+03	8.014106e+03
##	23231	23232	23233	23234	23235
##	9.070713e+03	1.270110e+04	1.062080e+04	9.401970e+03	1.657921e+04
##	23236	23237	23238	23239	23240

##	1.188615e+04	9.615699e+03	1.109099e+04	9.340214e+03	1.102494e+04
##	23241	23242	23243	23244	23245
##	9.812323e+03	1.145746e+04	1.023395e+04	1.078014e+04	9.308646e+03
##	23246	23247	23248	23249	23250
##	1.297962e+04	1.015644e+04	1.007934e+04	1.166935e+04	1.152986e+04
##	23251	23252	23253	23254	23255
##	1.164586e+04	1.099457e+04	9.996465e+03	1.119303e+04	1.034408e+04
##	23256	23257	23258	23259	23260
##	1.050095e+04	1.043756e+04	1.050805e+04	9.464811e+03	1.047821e+04
##	23261	23262	23263	23264	23265
##	9.050822e+03	1.012597e+04	1.013713e+04	7.555283e+03	9.926166e+03
##	23266	23267	23268	23269	23270
##	1.096623e+04	1.037892e+04	1.242293e+04	7.310325e+03	1.039399e+04
##	23271	23272	23273	23274	23275
##	9.991042e+03	9.909754e+03	1.112029e+04	1.051567e+04	1.113481e+04
##	23276	23277	23278	23279	23280
##	1.056990e+04	1.069970e+04	8.737873e+03	1.037604e+04	1.033720e+04
##	23281	23282	23283	23284	23285
##	1.031962e+04	1.080410e+04	1.034392e+04	1.101977e+04	1.131892e+04
##	23286	23287	23288	23289	23290
##	1.189353e+04	1.279727e+04	1.301404e+04	1.338925e+04	9.751137e+03
##	23291	23292	23293	23294	23295
##	1.231076e+04	1.118068e+04	1.378720e+04	1.002646e+04	9.008984e+03
##	23296	23297	23298	23299	23300
##	1.026967e+04	1.179592e+04	7.939210e+03	1.088786e+04	1.099284e+04
##	23301	23302	23303	23304	23305
##	1.041380e+04	1.053783e+04	7.383218e+03	1.193034e+04	1.266038e+04
##	23306	23307	23308	23309	23310
##	1.071694e+04	1.100764e+04	1.093869e+04	1.007965e+04	1.064592e+04
##	23311	23312	23313	23314	23315
##	1.105028e+04	1.050287e+04	1.045067e+04	1.317107e+04	1.397100e+04
##	23316	23317	23318	23319	23320
##	1.009714e+04	1.157461e+04	1.147897e+04	1.158792e+04	1.164452e+04
##	23321	23322	23323	23324	23325
##	1.035535e+04	7.568479e+03	1.094367e+04	1.024899e+04	9.821633e+03
##	23326	23327	23328	23329	23330
##	1.150679e+04	1.043214e+04	9.676192e+03	1.029489e+04	1.029489e+04
##	23331	23332	23333	23334	23335
##	9.309580e+03	1.040219e+04	1.041016e+04	1.131998e+04	1.375124e+04
##	23336	23337	23338	23339	23340
##	1.161369e+04	7.228896e+03	8.917721e+03	1.040925e+04	7.360676e+03
##	23341	23342	23343	23344	23345
##	-8.893995e+02	-8.751037e+02	-1.880171e+03	-1.275026e+03	-1.280099e+03
##	23346	23347	23348	23349	23350
##	-1.242597e+03	-1.250850e+03	-1.204591e+03	-1.245681e+03	-1.279478e+03
##	23351	23352	23353	23354	23355
##	-1.288465e+03	-1.272170e+03	-1.282252e+03	-1.307373e+03	-1.252476e+03
##	23356	23357	23358	23359	23360
##	-1.266428e+03	-1.292740e+03	-2.365876e+02	-2.444802e+02	-2.838849e+02
##	23361	23362	23363	23364	23365
##	-5.447966e+01	2.682719e+02	-2.120717e+02	1.646387e+02	-1.143192e+03
##	23366	23367	23368	23369	23370
##	-1.182052e+03	-2.628615e+02	-8.097444e+02	3.938564e+02	5.108814e+02
##	23371	23372	23373	23374	23375

##	-6.247261e+02	-6.019033e+02	-5.811667e+02	-6.954886e+02	-6.079031e+02
##	23376	23377	23378	23379	23380
##	-6.675663e+02	-1.226681e+02	-1.757365e+02	-2.645569e+02	-3.064004e+02
##	23381	23382	23383	23384	23385
##	4.416811e+02	8.512631e+01	4.293597e+02	2.858479e+02	4.051381e+02
##	23386	23387	23388	23389	23390
##	-4.933536e+02	1.132838e+02	1.605412e+02	-7.334158e+02	2.674061e+02
##	23391	23392	23393	23394	23395
##	4.022619e+02	3.270946e+02	-5.727756e+02	3.114854e+02	9.500536e+02
##	23396	23397	23398	23399	23400
##	2.880455e+02	-7.017039e+02	8.693705e+02	3.964089e+02	5.204866e+02
##	23401	23402	23403	23404	23405
##	8.117777e+03	9.430404e+03	1.159571e+04	1.311456e+04	9.504104e+03
##	23406	23407	23408	23409	23410
##	9.183948e+03	8.781403e+03	1.000807e+04	1.288779e+04	7.072647e+03
##	23411	23412	23413	23414	23415
##	1.150932e+04	9.714981e+03	8.079234e+03	1.301325e+04	1.110118e+04
##	23416	23417	23418	23419	23420
##	1.039891e+04	1.206999e+04	1.200352e+04	1.042988e+04	9.473857e+03
##	23421	23422	23423	23424	23425
##	1.070102e+04	1.413773e+04	1.073081e+04	8.616968e+03	1.203366e+04
##	23426	23427	23428	23429	23430
##	7.687210e+03	8.922590e+03	9.692864e+03	1.097412e+04	9.214457e+03
##	23431	23432	23433	23434	23435
##	7.363720e+03	1.027350e+04	8.618221e+03	1.126266e+04	1.045003e+04
##	23436	23437	23438	23439	23440
##	1.052319e+04	8.423875e+03	8.976862e+03	1.084892e+04	1.132239e+04
##	23441	23442	23443	23444	23445
##	1.002732e+04	7.955389e+03	1.009676e+04	1.026059e+04	1.019668e+04
##	23446	23447	23448	23449	23450
##	1.031679e+04	1.124716e+04	8.652742e+03	1.132177e+04	1.093177e+04
##	23451	23452	23453	23454	23455
##	1.093556e+04	1.047255e+04	1.043538e+04	7.305155e+03	1.221520e+04
##	23456	23457	23458	23459	23460
##	1.021144e+04	1.028252e+04	8.691069e+03	1.179151e+04	8.860828e+03
##	23461	23462	23463	23464	23465
##	1.219924e+04	1.064057e+04	8.711779e+03	9.571684e+03	1.147819e+04
##	23466	23467	23468	23469	23470
##	1.031778e+04	1.020764e+04	1.220913e+04	1.004624e+04	1.011322e+04
##	23471	23472	23473	23474	23475
##	8.884455e+03	1.073334e+04	1.069114e+04	1.424446e+04	1.496276e+04
##	23476	23477	23478	23479	23480
##	7.797231e+03	1.224020e+04	8.005951e+03	9.186931e+03	7.232348e+03
##	23481	23482	23483	23484	23485
##	1.074685e+04	1.221589e+04	1.021965e+04	1.387423e+04	1.027362e+04
##	23486	23487	23488	23489	23490
##	1.104592e+04	1.154004e+04	1.041983e+04	1.032782e+04	9.488722e+03
##	23491	23492	23493	23494	23495
##	1.113093e+04	7.289425e+03	9.876303e+03	1.432143e+04	7.529443e+03
##	23496	23497	23498	23499	23500
##	1.620275e+04	8.992072e+03	1.034995e+04	1.046118e+04	1.099006e+04
##	23501	23502	23503	23504	23505
##	1.198086e+04	1.030404e+04	7.549562e+03	9.489251e+03	1.047298e+04
##	23506	23507	23508	23509	23510

##	1.036240e+04	1.186969e+04	1.068531e+04	7.768327e+03	1.158075e+04
##	23511	23512	23513	23514	23515
##	1.159737e+04	1.013072e+04	1.203849e+04	1.459847e+04	1.066447e+04
##	23516	23517	23518	23519	23520
##	1.093644e+04	1.082966e+04	1.073344e+04	1.057731e+04	1.053551e+04
##	23521	23522	23523	23524	23525
##	1.380125e+04	1.126215e+04	1.040219e+04	9.856302e+03	8.565926e+03
##	23526	23527	23528	23529	23530
##	8.559257e+03	1.077850e+04	9.486655e+03	1.063702e+04	1.031927e+04
##	23531	23532	23533	23534	23535
##	8.875075e+03	1.107524e+04	1.027344e+04	7.209865e+03	1.027608e+04
##	23536	23537	23538	23539	23540
##	1.024023e+04	1.015596e+04	1.025013e+04	1.382257e+04	2.114977e+04
##	23541	23542	23543	23544	23545
##	8.097532e+03	8.097116e+03	1.192466e+04	1.120234e+04	1.015283e+04
##	23546	23547	23548	23549	23550
##	1.052986e+04	1.024180e+04	1.177115e+04	1.023525e+04	1.023348e+04
##	23551	23552	23553	23554	23555
##	1.017725e+04	1.014118e+04	1.142514e+04	1.084166e+04	1.030378e+04
##	23556	23557	23558	23559	23560
##	1.040124e+04	1.031243e+04	1.023401e+04	1.306741e+04	1.054506e+04
##	23561	23562	23563	23564	23565
##	8.725709e+03	1.011978e+04	7.318255e+03	1.030436e+04	1.024821e+04
##	23566	23567	23568	23569	23570
##	1.069262e+04	1.159774e+04	1.410300e+04	1.045872e+04	1.120946e+04
##	23571	23572	23573	23574	23575
##	1.505267e+04	1.063790e+04	9.121601e+03	9.942973e+03	9.305334e+03
##	23576	23577	23578	23579	23580
##	1.032395e+04	1.161301e+04	1.018911e+04	1.037783e+04	8.960144e+03
##	23581	23582	23583	23584	23585
##	1.796601e+04	1.060654e+04	1.082453e+04	1.265758e+04	8.920353e+03
##	23586	23587	23588	23589	23590
##	9.406829e+03	1.051289e+04	1.409432e+04	1.100501e+04	1.204756e+04
##	23591	23592	23593	23594	23595
##	7.468371e+03	1.024803e+04	1.195756e+04	1.085130e+04	7.252350e+03
##	23596	23597	23598	23599	23600
##	1.078785e+04	1.014115e+04	1.253743e+04	1.054281e+04	1.019632e+04
##	23601	23602	23603	23604	23605
##	1.113859e+04	1.048498e+04	1.064411e+04	8.038385e+03	1.036630e+04
##	23606	23607	23608	23609	23610
##	9.474896e+03	1.345039e+04	1.073779e+04	1.040473e+04	1.046901e+04
##	23611	23612	23613	23614	23615
##	1.018160e+04	1.147068e+04	1.618599e+04	1.065167e+04	1.061949e+04
##	23616	23617	23618	23619	23620
##	9.854559e+03	8.252593e+03	1.061272e+04	1.148386e+04	9.998251e+03
##	23621	23622	23623	23624	23625
##	1.341373e+04	1.394505e+04	1.342285e+04	9.945849e+03	7.826973e+03
##	23626	23627	23628	23629	23630
##	1.054699e+04	1.030612e+04	1.041960e+04	1.103386e+04	1.085437e+04
##	23631	23632	23633	23634	23635
##	8.097532e+03	8.097116e+03	1.164950e+04	9.685774e+03	1.264762e+04
##	23636	23637	23638	23639	23640
##	1.203098e+04	7.368856e+03	1.305402e+04	1.053076e+04	1.018208e+04
##	23641	23642	23643	23644	23645

##	1.030321e+04	1.023830e+04	1.030341e+04	1.036432e+04	2.677027e+04
##	23646	23647	23648	23649	23650
##	7.338141e+03	1.120893e+04	1.038075e+04	1.059719e+04	1.184466e+04
##	23651	23652	23653	23654	23655
##	1.074868e+04	1.030489e+04	1.032208e+04	1.028408e+04	1.082987e+04
##	23656	23657	23658	23659	23660
##	1.076346e+04	1.295846e+04	1.102696e+04	9.403586e+03	1.092930e+04
##	23661	23662	23663	23664	23665
##	1.047700e+04	1.142649e+04	1.109747e+04	1.113241e+04	1.095895e+04
##	23666	23667	23668	23669	23670
##	1.094356e+04	1.061133e+04	1.047075e+04	1.366815e+04	9.035712e+03
##	23671	23672	23673	23674	23675
##	1.087264e+04	1.026584e+04	8.092392e+03	1.075196e+04	1.116195e+04
##	23676	23677	23678	23679	23680
##	1.031982e+04	1.250690e+04	8.917505e+03	9.883709e+03	8.971122e+03
##	23681	23682	23683	23684	23685
##	1.135616e+04	8.161167e+03	1.157982e+04	1.056979e+04	1.020644e+04
##	23686	23687	23688	23689	23690
##	1.031312e+04	1.346094e+04	1.052788e+04	1.062768e+04	1.071262e+04
##	23691	23692	23693	23694	23695
##	1.459847e+04	1.046228e+04	1.032037e+04	1.225480e+04	1.211399e+04
##	23696	23697	23698	23699	23700
##	1.054568e+04	1.072974e+04	1.358011e+04	7.364702e+03	7.317963e+03
##	23701	23702	23703	23704	23705
##	3.854443e+02	3.350356e+02	-6.397837e+02	3.966632e+02	-9.082798e+02
##	23706	23707	23708	23709	23710
##	4.183498e+02	4.157161e+02	-8.551305e+02	7.089853e+02	5.306125e+02
##	23711	23712	23713	23714	23715
##	6.859160e+02	-5.684853e+02	8.376047e+02	7.943396e+02	7.960982e+02
##	23716	23717	23718	23719	23720
##	8.417158e+02	8.153097e+02	7.944357e+02	8.462209e+02	1.088780e+03
##	23721	23722	23723	23724	23725
##	8.693385e+02	8.733723e+02	8.805788e+02	8.842861e+02	8.287654e+02
##	23726	23727	23728	23729	23730
##	9.322884e+02	1.270090e+03	1.246639e+03	7.037060e+02	9.927183e+02
##	23731	23732	23733	23734	23735
##	1.051040e+04	9.894134e+03	1.221774e+04	1.032691e+04	1.341423e+04
##	23736	23737	23738	23739	23740
##	1.341423e+04	1.118930e+04	1.155339e+04	1.337348e+04	1.137526e+04
##	23741	23742	23743	23744	23745
##	1.054920e+04	1.205329e+04	1.203257e+04	1.381437e+04	9.782339e+03
##	23746	23747	23748	23749	23750
##	1.076272e+04	1.020937e+04	1.029954e+04	1.057187e+04	1.137168e+04
##	23751	23752	23753	23754	23755
##	1.001843e+04	1.257215e+04	1.096084e+04	9.317843e+03	9.812240e+03
##	23756	23757	23758	23759	23760
##	1.095950e+04	1.037193e+04	1.090359e+04	7.716232e+03	1.138359e+04
##	23761	23762	23763	23764	23765
##	1.014436e+04	1.023579e+04	1.097453e+04	1.353688e+04	1.371287e+04
##	23766	23767	23768	23769	23770
##	1.393070e+04	1.054008e+04	1.043486e+04	1.189105e+04	1.333402e+04
##	23771	23772	23773	23774	23775
##	1.442105e+04	1.066461e+04	1.077976e+04	8.876791e+03	1.766141e+04
##	23776	23777	23778	23779	23780

##	1.065381e+04	1.008108e+04	7.721597e+03	7.754268e+03	8.776989e+03
##	23781	23782	23783	23784	23785
##	9.085018e+03	1.211660e+04	1.197135e+04	1.632716e+04	1.151852e+04
##	23786	23787	23788	23789	23790
##	8.244291e+03	1.052908e+04	8.180570e+03	1.003876e+04	1.139606e+04
##	23791	23792	23793	23794	23795
##	1.164583e+04	1.411796e+04	1.039434e+04	9.479570e+03	1.060648e+04
##	23796	23797	23798	23799	23800
##	1.301327e+04	1.333880e+04	1.069709e+04	1.057839e+04	1.115226e+04
##	23801	23802	23803	23804	23805
##	1.012979e+04	1.045046e+04	1.045692e+04	1.039615e+04	1.139279e+04
##	23806	23807	23808	23809	23810
##	1.149248e+04	1.310245e+04	9.802025e+03	1.098286e+04	1.118345e+04
##	23811	23812	23813	23814	23815
##	8.996606e+03	1.071421e+04	1.029449e+04	1.144894e+04	1.078046e+04
##	23816	23817	23818	23819	23820
##	1.008820e+04	9.959262e+03	9.004244e+03	8.843473e+03	1.213905e+04
##	23821	23822	23823	23824	23825
##	8.428904e+03	1.377613e+04	1.150249e+04	8.188187e+03	1.109770e+04
##	23826	23827	23828	23829	23830
##	1.044741e+04	1.205811e+04	1.202721e+04	1.069630e+04	1.434442e+04
##	23831	23832	23833	23834	23835
##	1.091489e+04	9.226235e+03	8.608910e+03	1.047825e+04	8.656083e+03
##	23836	23837	23838	23839	23840
##	1.020245e+04	1.015440e+04	1.166646e+04	1.069425e+04	7.214729e+03
##	23841	23842	23843	23844	23845
##	1.070964e+04	1.407346e+04	1.133173e+04	1.414492e+04	1.091346e+04
##	23846	23847	23848	23849	23850
##	1.089959e+04	9.010791e+03	1.035200e+04	1.079128e+04	1.410164e+04
##	23851	23852	23853	23854	23855
##	1.086870e+04	1.058256e+04	1.090005e+04	9.675396e+03	1.054627e+04
##	23856	23857	23858	23859	23860
##	7.713553e+03	1.387705e+04	1.185990e+04	1.011690e+04	1.038392e+04
##	23861	23862	23863	23864	23865
##	1.248117e+04	1.434663e+04	9.929481e+03	9.977686e+03	1.024093e+04
##	23866	23867	23868	23869	23870
##	1.061971e+04	1.023078e+04	1.162012e+04	1.422209e+04	1.095740e+04
##	23871	23872	23873	23874	23875
##	1.268557e+04	1.267894e+04	1.352584e+04	1.057079e+04	1.226595e+04
##	23876	23877	23878	23879	23880
##	1.228476e+04	1.175138e+04	1.624327e+04	1.211223e+04	1.057801e+04
##	23881	23882	23883	23884	23885
##	9.056723e+03	9.549341e+03	1.337472e+04	1.157072e+04	1.116449e+04
##	23886	23887	23888	23889	23890
##	1.088821e+04	1.107345e+04	1.526383e+04	1.069438e+04	1.697799e+04
##	23891	23892	23893	23894	23895
##	1.340883e+04	1.290502e+04	1.390224e+04	1.121633e+04	1.085242e+04
##	23896	23897	23898	23899	23900
##	1.066301e+04	1.027448e+04	1.090739e+04	1.081546e+04	9.224299e+03
##	23901	23902	23903	23904	23905
##	1.008929e+04	1.192491e+04	1.089936e+04	1.060843e+04	8.155187e+03
##	23906	23907	23908	23909	23910
##	1.439277e+04	1.107755e+04	1.311508e+04	1.016184e+04	1.117353e+04
##	23911	23912	23913	23914	23915

##	1.181041e+04	1.180813e+04	7.552332e+03	7.647044e+03	1.156348e+04
##	23916	23917	23918	23919	23920
##	7.182281e+03	8.980455e+03	1.070526e+04	1.041555e+04	1.057706e+04
##	23921	23922	23923	23924	23925
##	1.142150e+04	1.206330e+04	1.306056e+04	1.306278e+04	1.317490e+04
##	23926	23927	23928	23929	23930
##	1.179203e+04	7.737776e+03	1.050702e+04	1.168087e+04	9.124720e+03
##	23931	23932	23933	23934	23935
##	1.044880e+04	1.127590e+04	9.165900e+03	1.295438e+04	1.512317e+04
##	23936	23937	23938	23939	23940
##	9.130847e+03	1.065963e+04	1.049271e+04	1.055568e+04	1.833890e+04
##	23941	23942	23943	23944	23945
##	1.069742e+04	1.180934e+04	1.220816e+04	1.215881e+04	1.172084e+04
##	23946	23947	23948	23949	23950
##	8.807626e+03	1.203563e+04	1.020749e+04	1.308893e+04	1.313602e+04
##	23951	23952	23953	23954	23955
##	1.133910e+04	1.100050e+04	1.134034e+04	1.096036e+04	1.137689e+04
##	23956	23957	23958	23959	23960
##	1.102255e+04	1.039400e+04	1.408353e+04	9.357130e+03	1.390257e+04
##	23961	23962	23963	23964	23965
##	1.826863e+04	1.134604e+04	1.145335e+04	7.744456e+03	1.189830e+04
##	23966	23967	23968	23969	23970
##	1.579810e+04	8.496122e+03	9.022465e+03	1.082491e+04	1.437321e+04
##	23971	23972	23973	23974	23975
##	1.207160e+04	1.024454e+04	1.462341e+04	1.061212e+04	8.566206e+03
##	23976	23977	23978	23979	23980
##	1.080821e+04	1.187067e+04	1.405047e+04	1.506224e+04	1.506224e+04
##	23981	23982	23983	23984	23985
##	1.099070e+04	1.216641e+04	1.309954e+04	1.033044e+04	1.077512e+04
##	23986	23987	23988	23989	23990
##	1.040379e+04	1.071008e+04	8.369451e+03	8.395992e+03	1.055220e+04
##	23991	23992	23993	23994	23995
##	1.040279e+04	8.087963e+03	1.042043e+04	1.054233e+04	1.426663e+04
##	23996	23997	23998	23999	24000
##	1.146012e+04	1.068517e+04	1.141618e+04	1.135025e+04	1.087375e+04
##	24001	24002	24003	24004	24005
##	1.206640e+04	1.493393e+04	1.182030e+04	1.334454e+04	1.098924e+04
##	24006	24007	24008	24009	24010
##	1.120465e+04	1.171291e+04	8.496125e+03	1.046348e+04	1.451444e+04
##	24011	24012	24013	24014	24015
##	1.045199e+04	1.285831e+04	1.302322e+04	1.047425e+04	1.043881e+04
##	24016	24017	24018	24019	24020
##	8.013378e+03	1.157344e+04	1.257918e+04	8.353365e+03	1.065301e+04
##	24021	24022	24023	24024	24025
##	1.027410e+04	1.055783e+04	1.287372e+04	1.303415e+04	1.192297e+04
##	24026	24027	24028	24029	24030
##	1.056908e+04	1.157364e+04	1.102170e+04	8.021210e+03	1.089489e+04
##	24031	24032	24033	24034	24035
##	6.683980e+02	-5.279666e+02	-6.000756e+02	-5.302645e+02	8.284259e+02
##	24036	24037	24038	24039	24040
##	1.267381e+03	-2.155061e+02	-2.980860e+02	-2.098099e+02	-2.815496e+02
##	24041	24042	24043	24044	24045
##	-3.032982e+02	-2.267743e+02	-2.269441e+02	-5.401518e+02	-2.157095e+02
##	24046	24047	24048	24049	24050

##	-4.279360e+02	-1.699705e+02	-1.768120e+02	-2.847629e+02	-5.033399e+02
##	24051	24052	24053	24054	24055
##	8.129427e+02	9.417116e+02	4.726733e+02	5.038428e+02	4.934566e+02
##	24056	24057	24058	24059	24060
##	4.901036e+02	5.104610e+02	1.014818e+03	7.091504e+02	1.112363e+03
##	24061	24062	24063	24064	24065
##	1.062899e+04	1.081022e+04	1.020213e+04	9.703647e+03	1.189830e+04
##	24066	24067	24068	24069	24070
##	1.313411e+04	1.299469e+04	1.392087e+04	1.082491e+04	9.022465e+03
##	24071	24072	24073	24074	24075
##	1.133701e+04	1.428743e+04	1.400077e+04	1.330118e+04	1.028919e+04
##	24076	24077	24078	24079	24080
##	1.464397e+04	1.289132e+04	1.209321e+04	1.090219e+04	1.033801e+04
##	24081	24082	24083	24084	24085
##	1.220854e+04	1.106186e+04	1.450951e+04	1.080894e+04	1.196681e+04
##	24086	24087	24088	24089	24090
##	1.064577e+04	1.338194e+04	8.820487e+03	1.148637e+04	1.091007e+04
##	24091	24092	24093	24094	24095
##	1.023891e+04	9.319228e+03	1.168517e+04	1.209516e+04	1.134870e+04
##	24096	24097	24098	24099	24100
##	1.287028e+04	1.170371e+04	1.027034e+04	1.138277e+04	1.037549e+04
##	24101	24102	24103	24104	24105
##	8.756488e+03	9.886876e+03	1.202482e+04	1.302715e+04	1.286340e+04
##	24106	24107	24108	24109	24110
##	1.392258e+04	1.050131e+04	1.053755e+04	8.365456e+03	8.318558e+03
##	24111	24112	24113	24114	24115
##	1.034975e+04	1.325329e+04	1.230566e+04	1.230715e+04	1.637033e+04
##	24116	24117	24118	24119	24120
##	1.444717e+04	1.393264e+04	1.391344e+04	7.443895e+03	1.133317e+04
##	24121	24122	24123	24124	24125
##	1.083017e+04	1.514944e+04	1.465446e+04	9.399944e+03	1.521487e+04
##	24126	24127	24128	24129	24130
##	1.189844e+04	1.079764e+04	1.066011e+04	1.421205e+04	1.128235e+04
##	24131	24132	24133	24134	24135
##	1.157006e+04	2.322025e+04	1.110199e+04	1.048565e+04	1.152274e+04
##	24136	24137	24138	24139	24140
##	1.052836e+04	1.301862e+04	1.054230e+04	1.064410e+04	1.089506e+04
##	24141	24142	24143	24144	24145
##	1.094963e+04	1.284800e+04	1.187207e+04	1.185052e+04	1.114451e+04
##	24146	24147	24148	24149	24150
##	8.701072e+03	7.412053e+03	1.605941e+04	1.092434e+04	1.030849e+04
##	24151	24152	24153	24154	24155
##	1.073226e+04	1.097813e+04	1.541701e+04	1.395470e+04	1.180371e+04
##	24156	24157	24158	24159	24160
##	1.463187e+04	1.096926e+04	1.088183e+04	1.033266e+04	1.309877e+04
##	24161	24162	24163	24164	24165
##	1.312383e+04	1.312383e+04	1.332305e+04	1.148958e+04	1.378162e+04
##	24166	24167	24168	24169	24170
##	1.472849e+04	1.023231e+04	1.206613e+04	1.042024e+04	1.181081e+04
##	24171	24172	24173	24174	24175
##	1.062668e+04	9.535060e+03	1.111450e+04	9.737372e+03	1.310029e+04
##	24176	24177	24178	24179	24180
##	1.429807e+04	1.089113e+04	1.146873e+04	1.194791e+04	1.191499e+04
##	24181	24182	24183	24184	24185

##	1.051170e+04	1.672192e+04	1.309229e+04	1.301162e+04	1.281250e+04
##	24186	24187	24188	24189	24190
##	1.493966e+04	1.082561e+04	9.117330e+03	1.557114e+04	1.499971e+04
##	24191	24192	24193	24194	24195
##	1.498754e+04	1.136422e+04	1.219112e+04	1.249721e+04	1.130366e+04
##	24196	24197	24198	24199	24200
##	1.224608e+04	1.227512e+04	1.293997e+04	1.061877e+04	1.047618e+04
##	24201	24202	24203	24204	24205
##	1.383730e+04	1.038364e+04	8.218653e+03	1.303018e+04	1.310628e+04
##	24206	24207	24208	24209	24210
##	1.014129e+04	1.131703e+04	1.208138e+04	1.128710e+04	1.245437e+04
##	24211	24212	24213	24214	24215
##	1.478407e+04	1.460808e+04	1.049009e+04	1.385499e+04	1.008882e+04
##	24216	24217	24218	24219	24220
##	1.210921e+04	1.137432e+04	1.203075e+04	1.202090e+04	1.155453e+04
##	24221	24222	24223	24224	24225
##	1.057107e+04	1.227673e+04	1.167009e+04	1.108646e+04	9.043538e+03
##	24226	24227	24228	24229	24230
##	1.041439e+04	1.335571e+04	1.353913e+04	1.337494e+04	1.105280e+04
##	24231	24232	24233	24234	24235
##	1.089381e+04	1.313583e+04	1.060102e+04	1.095777e+04	1.315570e+04
##	24236	24237	24238	24239	24240
##	1.141796e+04	1.069414e+04	1.316418e+04	1.313169e+04	1.416640e+04
##	24241	24242	24243	24244	24245
##	8.404970e+03	1.327591e+04	1.201941e+04	1.409310e+04	1.380661e+04
##	24246	24247	24248	24249	24250
##	1.472832e+04	1.018142e+04	8.384035e+03	1.488335e+04	1.146555e+04
##	24251	24252	24253	24254	24255
##	1.082156e+04	1.037495e+04	1.035404e+04	9.223606e+03	1.021359e+04
##	24256	24257	24258	24259	24260
##	1.103265e+04	9.899091e+03	1.069214e+04	1.708200e+04	1.081257e+04
##	24261	24262	24263	24264	24265
##	1.048116e+04	1.105901e+04	1.366187e+04	1.085506e+04	1.011479e+04
##	24266	24267	24268	24269	24270
##	1.245115e+04	1.322668e+04	1.208785e+04	1.030222e+04	1.291426e+04
##	24271	24272	24273	24274	24275
##	1.114503e+04	1.147994e+04	1.049127e+04	1.591345e+04	1.043011e+04
##	24276	24277	24278	24279	24280
##	1.908681e+04	1.064035e+04	1.137543e+04	1.517486e+04	1.242866e+04
##	24281	24282	24283	24284	24285
##	1.089290e+04	1.531674e+04	1.391661e+04	1.105284e+04	1.089150e+04
##	24286	24287	24288	24289	24290
##	1.223601e+04	1.165343e+04	1.039526e+04	1.218337e+04	1.224608e+04
##	24291	24292	24293	24294	24295
##	9.106113e+03	7.881982e+03	1.361475e+04	1.124978e+04	8.400855e+03
##	24296	24297	24298	24299	24300
##	7.861553e+03	1.039225e+04	2.257369e+04	1.112902e+04	1.062990e+04
##	24301	24302	24303	24304	24305
##	1.107515e+04	8.320338e+03	1.065342e+04	1.062224e+04	1.085022e+04
##	24306	24307	24308	24309	24310
##	1.063422e+04	1.319531e+04	1.306044e+04	1.259250e+04	1.342090e+04
##	24311	24312	24313	24314	24315
##	1.307258e+04	1.363591e+04	1.146008e+04	8.894306e+03	1.211977e+04
##	24316	24317	24318	24319	24320

##	1.145657e+04	1.226171e+04	1.144814e+04	1.066577e+04	1.428036e+04
##	24321	24322	24323	24324	24325
##	1.106362e+04	1.438787e+04	9.466974e+03	1.097157e+04	7.578237e+03
##	24326	24327	24328	24329	24330
##	9.859952e+03	9.276388e+03	1.076651e+04	2.598071e+04	1.354393e+04
##	24331	24332	24333	24334	24335
##	1.331727e+04	1.227092e+04	1.036465e+04	1.079234e+04	1.315092e+04
##	24336	24337	24338	24339	24340
##	1.092245e+04	1.096138e+04	1.194518e+04	1.041747e+04	1.406077e+04
##	24341	24342	24343	24344	24345
##	1.316553e+04	1.207232e+04	1.021061e+04	1.242124e+04	1.315048e+04
##	24346	24347	24348	24349	24350
##	1.380112e+04	8.858835e+03	1.006803e+04	1.416485e+04	1.063943e+04
##	24351	24352	24353	24354	24355
##	1.062835e+04	1.277281e+04	1.342582e+04	1.415152e+04	1.389369e+04
##	24356	24357	24358	24359	24360
##	1.526741e+04	1.143626e+04	1.180414e+04	1.042466e+04	1.108720e+04
##	24361	24362	24363	24364	24365
##	1.029861e+03	5.452267e+02	-3.984876e+02	5.957708e+02	2.918236e+02
##	24366	24367	24368	24369	24370
##	7.831591e+02	8.895398e+02	9.069205e+02	8.476860e+02	-7.903371e+02
##	24371	24372	24373	24374	24375
##	-7.395547e+02	7.346184e+02	6.737539e+02	-2.110460e+02	2.803508e+02
##	24376	24377	24378	24379	24380
##	2.756591e+02	4.149311e+02	9.724213e+02	1.037705e+03	6.585542e+02
##	24381	24382	24383	24384	24385
##	-8.541296e+02	-1.315871e+02	-3.253595e+03	8.783860e+02	-2.367950e+02
##	24386	24387	24388	24389	24390
##	-4.678539e+02	-5.306715e+02	-2.220328e+02	-3.540772e+02	-3.509481e+02
##	24391	24392	24393	24394	24395
##	1.198369e+04	1.186189e+04	1.075140e+04	9.743120e+03	1.532521e+04
##	24396	24397	24398	24399	24400
##	1.443151e+04	1.421607e+04	1.375897e+04	1.434191e+04	1.153022e+04
##	24401	24402	24403	24404	24405
##	1.090680e+04	7.847227e+03	1.038978e+04	1.034437e+04	1.162289e+04
##	24406	24407	24408	24409	24410
##	1.081278e+04	8.500453e+03	1.098283e+04	1.055895e+04	8.818112e+03
##	24411	24412	24413	24414	24415
##	1.121060e+04	1.447619e+04	1.261961e+04	1.373865e+04	1.422871e+04
##	24416	24417	24418	24419	24420
##	1.022829e+04	1.412396e+04	9.152340e+03	1.147509e+04	1.036942e+04
##	24421	24422	24423	24424	24425
##	1.106707e+04	1.058515e+04	1.212459e+04	1.289763e+04	1.402653e+04
##	24426	24427	24428	24429	24430
##	1.447640e+04	1.363116e+04	1.347558e+04	1.293321e+04	1.251987e+04
##	24431	24432	24433	24434	24435
##	1.138707e+04	1.179231e+04	1.376950e+04	1.192312e+04	1.840944e+04
##	24436	24437	24438	24439	24440
##	1.070448e+04	1.309229e+04	1.452676e+04	1.074665e+04	1.350453e+04
##	24441	24442	24443	24444	24445
##	1.151310e+04	1.068379e+04	1.117276e+04	9.235674e+03	1.317790e+04
##	24446	24447	24448	24449	24450
##	1.052820e+04	1.064657e+04	1.569890e+04	1.092214e+04	1.149917e+04
##	24451	24452	24453	24454	24455

##	9.883049e+03	1.320351e+04	1.325879e+04	1.243070e+04	1.077995e+04
##	24456	24457	24458	24459	24460
##	1.148816e+04	1.402829e+04	1.191464e+04	1.485459e+04	8.320338e+03
##	24461	24462	24463	24464	24465
##	1.193318e+04	8.093760e+03	1.083188e+04	1.080601e+04	1.118424e+04
##	24466	24467	24468	24469	24470
##	9.660604e+03	9.726919e+03	1.225941e+04	1.180565e+04	1.194298e+04
##	24471	24472	24473	24474	24475
##	1.030651e+04	1.054759e+04	1.071587e+04	1.054223e+04	1.060061e+04
##	24476	24477	24478	24479	24480
##	1.461243e+04	9.876356e+03	9.661690e+03	1.528590e+04	7.931518e+03
##	24481	24482	24483	24484	24485
##	1.467561e+04	1.016222e+04	1.171463e+04	1.578956e+04	1.077642e+04
##	24486	24487	24488	24489	24490
##	1.050101e+04	1.068134e+04	1.066717e+04	1.354033e+04	1.106860e+04
##	24491	24492	24493	24494	24495
##	1.417477e+04	1.451247e+04	1.523825e+04	1.308334e+04	1.419282e+04
##	24496	24497	24498	24499	24500
##	1.267318e+04	1.305225e+04	1.180652e+04	8.646715e+03	1.275755e+04
##	24501	24502	24503	24504	24505
##	1.098761e+04	1.159132e+04	1.044256e+04	1.076654e+04	1.062992e+04
##	24506	24507	24508	24509	24510
##	1.032770e+04	8.625917e+03	1.057980e+04	9.882400e+03	8.444899e+03
##	24511	24512	24513	24514	24515
##	1.148569e+04	1.071705e+04	1.524560e+04	1.421160e+04	8.937577e+03
##	24516	24517	24518	24519	24520
##	1.134281e+04	1.298733e+04	1.116104e+04	1.389526e+04	1.091146e+04
##	24521	24522	24523	24524	24525
##	1.896512e+04	1.093343e+04	1.120212e+04	1.485985e+04	1.312171e+04
##	24526	24527	24528	24529	24530
##	1.223163e+04	1.313718e+04	1.183912e+04	1.147955e+04	1.064495e+04
##	24531	24532	24533	24534	24535
##	1.121753e+04	1.263987e+04	1.060586e+04	1.059823e+04	1.052577e+04
##	24536	24537	24538	24539	24540
##	9.473308e+03	1.591811e+04	1.143810e+04	1.027677e+04	1.506990e+04
##	24541	24542	24543	24544	24545
##	1.339659e+04	1.393973e+04	1.429238e+04	1.276860e+04	1.095225e+04
##	24546	24547	24548	24549	24550
##	1.653008e+04	1.387382e+04	1.391572e+04	1.205294e+04	1.336774e+04
##	24551	24552	24553	24554	24555
##	1.072974e+04	1.089910e+04	9.495463e+03	1.342227e+04	1.226765e+04
##	24556	24557	24558	24559	24560
##	1.097514e+04	1.409304e+04	1.389532e+04	1.188021e+04	1.073305e+04
##	24561	24562	24563	24564	24565
##	9.348131e+03	1.114353e+04	1.058672e+04	1.377757e+04	1.437672e+04
##	24566	24567	24568	24569	24570
##	1.141610e+04	1.076253e+04	1.326987e+04	1.074163e+04	7.374358e+03
##	24571	24572	24573	24574	24575
##	1.079742e+04	1.011133e+04	1.125917e+04	1.062026e+04	1.066446e+04
##	24576	24577	24578	24579	24580
##	1.056661e+04	1.068359e+04	1.200207e+04	1.204561e+04	1.164907e+04
##	24581	24582	24583	24584	24585
##	1.778933e+04	1.462122e+04	1.334522e+04	1.042762e+04	1.481399e+04
##	24586	24587	24588	24589	24590

##	8.733852e+03	1.158597e+04	1.167389e+04	1.527830e+04	1.083293e+04
##	24591	24592	24593	24594	24595
##	1.066955e+04	8.986476e+03	1.066181e+04	8.973946e+03	1.486464e+04
##	24596	24597	24598	24599	24600
##	1.080726e+04	1.621743e+04	1.056701e+04	1.391681e+04	1.087717e+04
##	24601	24602	24603	24604	24605
##	8.835790e+03	1.308347e+04	1.107978e+04	1.268631e+04	1.557586e+04
##	24606	24607	24608	24609	24610
##	1.401435e+04	1.286931e+04	1.384012e+04	1.402653e+04	1.165482e+04
##	24611	24612	24613	24614	24615
##	9.883911e+03	1.401981e+04	1.561128e+04	1.258362e+04	1.327633e+04
##	24616	24617	24618	24619	24620
##	1.078520e+04	1.570792e+04	1.184999e+04	1.082539e+04	1.008859e+04
##	24621	24622	24623	24624	24625
##	1.091154e+04	1.058409e+04	8.011257e+03	7.958763e+03	9.495463e+03
##	24626	24627	24628	24629	24630
##	1.078093e+04	1.083803e+04	1.662739e+04	1.385943e+04	1.297500e+04
##	24631	24632	24633	24634	24635
##	9.411233e+03	1.370478e+04	1.116008e+04	1.053582e+04	1.379258e+04
##	24636	24637	24638	24639	24640
##	1.421836e+04	1.180901e+04	1.145395e+04	1.124917e+04	1.320880e+04
##	24641	24642	24643	24644	24645
##	1.413841e+04	1.096138e+04	1.216163e+04	1.088608e+04	1.277244e+04
##	24646	24647	24648	24649	24650
##	1.288673e+04	1.094790e+04	1.418627e+04	1.113068e+04	8.733635e+03
##	24651	24652	24653	24654	24655
##	1.132274e+04	1.108369e+04	1.199671e+04	1.203008e+04	7.267864e+03
##	24656	24657	24658	24659	24660
##	1.198365e+04	1.238722e+04	1.157782e+04	1.074663e+04	1.102534e+04
##	24661	24662	24663	24664	24665
##	1.449429e+04	9.223793e+03	1.542649e+04	1.418221e+04	1.475191e+04
##	24666	24667	24668	24669	24670
##	1.402062e+04	1.085062e+04	1.066210e+04	1.083031e+04	1.129786e+04
##	24671	24672	24673	24674	24675
##	8.749317e+03	1.424817e+04	1.219291e+04	1.725301e+04	8.990007e+03
##	24676	24677	24678	24679	24680
##	9.124298e+03	1.093752e+04	1.110352e+04	1.104631e+04	1.133728e+04
##	24681	24682	24683	24684	24685
##	1.082464e+04	1.220795e+04	1.387108e+04	1.347634e+04	1.458639e+04
##	24686	24687	24688	24689	24690
##	1.135505e+04	1.215333e+04	1.065593e+04	1.301221e+04	7.818104e+03
##	24691	24692	24693	24694	24695
##	-5.613698e+02	-5.171454e+02	-3.547544e+02	-4.810656e+02	8.901646e+02
##	24696	24697	24698	24699	24700
##	1.046766e+03	8.158656e+02	8.194380e+02	4.612341e+02	4.071057e+02
##	24701	24702	24703	24704	24705
##	3.030708e+02	5.709694e+02	2.499590e+01	7.382696e+02	7.383204e+02
##	24706	24707	24708	24709	24710
##	9.885337e+02	-5.126344e+02	2.723272e+02	2.685274e+02	6.351733e+02
##	24711	24712	24713	24714	24715
##	5.843816e+02	-1.484294e+02	4.806298e+02	6.056090e+02	6.285226e+02
##	24716	24717	24718	24719	24720
##	6.103780e+02	7.976246e+02	6.857835e+02	4.275770e+02	6.427505e+02
##	24721	24722	24723	24724	24725

##	7.567363e+03	1.072413e+04	1.182964e+04	1.314789e+04	1.317255e+04
##	24726	24727	24728	24729	24730
##	1.563611e+04	1.390590e+04	1.068579e+04	1.464959e+04	1.189952e+04
##	24731	24732	24733	24734	24735
##	1.528437e+04	1.486794e+04	1.082603e+04	1.125617e+04	1.083869e+04
##	24736	24737	24738	24739	24740
##	1.158476e+04	1.148881e+04	1.094934e+04	1.183335e+04	1.556169e+04
##	24741	24742	24743	24744	24745
##	1.248851e+04	8.845076e+03	1.283068e+04	1.300675e+04	1.587282e+04
##	24746	24747	24748	24749	24750
##	9.091175e+03	1.188182e+04	1.138269e+04	1.439262e+04	1.306430e+04
##	24751	24752	24753	24754	24755
##	1.227987e+04	1.270119e+04	1.109479e+04	1.436544e+04	1.325840e+04
##	24756	24757	24758	24759	24760
##	1.369963e+04	1.114111e+04	8.287139e+03	1.059108e+04	1.353169e+04
##	24761	24762	24763	24764	24765
##	1.075371e+04	1.311511e+04	1.313430e+04	1.430495e+04	1.114715e+04
##	24766	24767	24768	24769	24770
##	1.093892e+04	1.219413e+04	1.226630e+04	1.327404e+04	1.126732e+04
##	24771	24772	24773	24774	24775
##	1.214567e+04	1.327448e+04	1.252138e+04	1.115813e+04	1.075903e+04
##	24776	24777	24778	24779	24780
##	1.074387e+04	1.072761e+04	1.129546e+04	1.335270e+04	1.327108e+04
##	24781	24782	24783	24784	24785
##	1.234183e+04	1.090863e+04	1.067964e+04	1.113633e+04	1.927572e+04
##	24786	24787	24788	24789	24790
##	1.101874e+04	1.062607e+04	1.048022e+04	1.087823e+04	1.067362e+04
##	24791	24792	24793	24794	24795
##	1.348117e+04	1.077225e+04	9.009306e+03	9.607872e+03	1.148797e+04
##	24796	24797	24798	24799	24800
##	1.093820e+04	1.134079e+04	1.118791e+04	9.290999e+03	1.316746e+04
##	24801	24802	24803	24804	24805
##	1.314254e+04	1.320948e+04	1.501106e+04	1.142040e+04	1.112100e+04
##	24806	24807	24808	24809	24810
##	1.216789e+04	1.122563e+04	1.055242e+04	1.079941e+04	1.212771e+04
##	24811	24812	24813	24814	24815
##	1.342960e+04	1.346658e+04	9.272925e+03	1.500398e+04	1.428551e+04
##	24816	24817	24818	24819	24820
##	1.399825e+04	2.114934e+04	1.338919e+04	1.413600e+04	1.076234e+04
##	24821	24822	24823	24824	24825
##	1.108667e+04	1.208303e+04	1.277979e+04	1.078201e+04	1.105238e+04
##	24826	24827	24828	24829	24830
##	1.302702e+04	1.227452e+04	1.090513e+04	1.080594e+04	1.358924e+04
##	24831	24832	24833	24834	24835
##	1.108399e+04	1.370445e+04	1.464803e+04	1.318715e+04	1.451055e+04
##	24836	24837	24838	24839	24840
##	9.982977e+03	1.100614e+04	1.444071e+04	1.082420e+04	1.061948e+04
##	24841	24842	24843	24844	24845
##	1.692186e+04	1.229676e+04	1.134714e+04	1.096390e+04	1.091610e+04
##	24846	24847	24848	24849	24850
##	1.601153e+04	1.225124e+04	1.029030e+04	1.207584e+04	1.186470e+04
##	24851	24852	24853	24854	24855
##	1.220137e+04	1.049228e+04	1.256644e+04	1.187752e+04	8.649032e+03
##	24856	24857	24858	24859	24860

##	9.694309e+03	1.372799e+04	1.564968e+04	1.434107e+04	1.507565e+04
##	24861	24862	24863	24864	24865
##	1.109562e+04	1.316575e+04	1.764919e+04	1.764919e+04	1.057059e+04
##	24866	24867	24868	24869	24870
##	1.080163e+04	1.123502e+04	1.402409e+04	1.109424e+04	1.070481e+04
##	24871	24872	24873	24874	24875
##	1.206823e+04	1.082229e+04	1.164715e+04	1.089749e+04	1.091189e+04
##	24876	24877	24878	24879	24880
##	1.101119e+04	1.132489e+04	1.146661e+04	1.128990e+04	1.205302e+04
##	24881	24882	24883	24884	24885
##	1.114720e+04	1.454474e+04	1.042532e+04	7.220597e+03	1.079406e+04
##	24886	24887	24888	24889	24890
##	1.509999e+04	1.524182e+04	1.533194e+04	9.308286e+03	1.489448e+04
##	24891	24892	24893	24894	24895
##	1.443706e+04	1.390894e+04	1.441800e+04	8.786037e+03	1.304800e+04
##	24896	24897	24898	24899	24900
##	1.064939e+04	1.097626e+04	1.145878e+04	1.333830e+04	1.120185e+04
##	24901	24902	24903	24904	24905
##	1.117492e+04	1.069087e+04	1.073547e+04	1.042110e+04	1.135659e+04
##	24906	24907	24908	24909	24910
##	1.328713e+04	1.451707e+04	1.508740e+04	7.937517e+03	1.102628e+04
##	24911	24912	24913	24914	24915
##	1.412093e+04	1.079366e+04	1.380411e+04	1.341244e+04	9.714240e+03
##	24916	24917	24918	24919	24920
##	1.192908e+04	1.157917e+04	1.230145e+04	1.301122e+04	1.291611e+04
##	24921	24922	24923	24924	24925
##	1.096825e+04	1.140257e+04	1.542566e+04	1.389319e+04	1.512182e+04
##	24926	24927	24928	24929	24930
##	1.102299e+04	1.486017e+04	1.132526e+04	1.209121e+04	1.097518e+04
##	24931	24932	24933	24934	24935
##	1.091544e+04	1.094545e+04	1.339658e+04	1.436116e+04	1.425057e+04
##	24936	24937	24938	24939	24940
##	1.442855e+04	1.094877e+04	1.159322e+04	1.356575e+04	1.166305e+04
##	24941	24942	24943	24944	24945
##	1.330714e+04	1.291602e+04	1.325235e+04	1.365675e+04	1.300310e+04
##	24946	24947	24948	24949	24950
##	1.599126e+04	8.194158e+03	9.645227e+03	1.195916e+04	1.249733e+04
##	24951	24952	24953	24954	24955
##	1.391181e+04	1.176526e+04	1.474020e+04	1.108095e+04	1.182466e+04
##	24956	24957	24958	24959	24960
##	1.062229e+04	1.113912e+04	1.485435e+04	1.057573e+04	1.359326e+04
##	24961	24962	24963	24964	24965
##	1.262287e+04	1.212490e+04	1.223892e+04	1.038711e+04	1.436399e+04
##	24966	24967	24968	24969	24970
##	1.467561e+04	1.454474e+04	1.162855e+04	1.456436e+04	1.376646e+04
##	24971	24972	24973	24974	24975
##	1.398466e+04	1.197224e+04	8.904546e+03	1.091494e+04	1.405172e+04
##	24976	24977	24978	24979	24980
##	1.153117e+04	1.317922e+04	1.080285e+04	8.226642e+03	9.542115e+03
##	24981	24982	24983	24984	24985
##	1.188837e+04	1.220639e+04	1.306553e+04	1.431695e+04	1.414152e+04
##	24986	24987	24988	24989	24990
##	1.374682e+04	1.207512e+04	1.207150e+04	1.139029e+04	1.377607e+04
##	24991	24992	24993	24994	24995

##	1.665162e+04	1.391296e+04	1.254398e+04	1.087836e+04	1.080355e+04
##	24996	24997	24998	24999	25000
##	1.104973e+04	1.498952e+04	1.114422e+04	1.084817e+04	1.047889e+04
##	25001	25002	25003	25004	25005
##	9.630421e+03	1.084724e+04	1.502937e+04	1.083349e+04	9.374905e+03
##	25006	25007	25008	25009	25010
##	1.086718e+04	9.015686e+03	1.520920e+04	1.357698e+04	1.343708e+04
##	25011	25012	25013	25014	25015
##	1.334433e+04	1.402557e+04	1.171437e+04	1.384492e+04	1.357461e+04
##	25016	25017	25018	25019	25020
##	1.051859e+04	1.624620e+04	1.173112e+04	1.397589e+04	1.420805e+04
##	25021	25022	25023	25024	25025
##	4.900929e+02	-1.217242e+01	-1.070578e+01	-2.688037e-01	1.070912e+02
##	25026	25027	25028	25029	25030
##	8.665183e+02	9.240407e+02	-3.569288e+02	7.962670e+02	6.746866e+02
##	25031	25032	25033	25034	25035
##	7.327487e+02	2.784651e+02	7.916048e+02	8.107986e+02	-5.153832e+02
##	25036	25037	25038	25039	25040
##	-3.387740e+01	1.373188e+02	-1.824038e+03	-2.552131e+02	-2.783624e+02
##	25041	25042	25043	25044	25045
##	-2.417096e+02	-4.592990e+01	-4.421724e+02	-2.403390e+02	-9.073895e+01
##	25046	25047	25048	25049	25050
##	-2.795927e+02	-1.340814e+02	-2.811047e+02	-2.692972e+02	-1.774902e+03
##	25051	25052	25053	25054	25055
##	1.212734e+04	1.363894e+04	1.108822e+04	1.494914e+04	1.217196e+04
##	25056	25057	25058	25059	25060
##	1.692480e+04	1.376408e+04	1.358924e+04	1.308128e+04	1.289846e+04
##	25061	25062	25063	25064	25065
##	1.174351e+04	1.417883e+04	1.144735e+04	1.308164e+04	1.265202e+04
##	25066	25067	25068	25069	25070
##	1.367485e+04	1.243142e+04	7.791987e+03	7.765036e+03	1.068019e+04
##	25071	25072	25073	25074	25075
##	8.444361e+03	9.022351e+03	1.373430e+04	1.080115e+04	1.092367e+04
##	25076	25077	25078	25079	25080
##	8.853652e+03	1.433798e+04	1.498047e+04	1.029108e+04	1.504374e+04
##	25081	25082	25083	25084	25085
##	1.394994e+04	1.025344e+04	1.290968e+04	1.074178e+04	1.337469e+04
##	25086	25087	25088	25089	25090
##	1.130930e+04	1.398650e+04	1.217585e+04	1.422400e+04	1.553630e+04
##	25091	25092	25093	25094	25095
##	1.372043e+04	1.369999e+04	1.441488e+04	1.216764e+04	1.203440e+04
##	25096	25097	25098	25099	25100
##	1.153561e+04	1.097282e+04	9.209604e+03	1.101651e+04	1.253863e+04
##	25101	25102	25103	25104	25105
##	1.107514e+04	1.119465e+04	9.056248e+03	1.138464e+04	1.210555e+04
##	25106	25107	25108	25109	25110
##	1.100003e+04	1.406791e+04	1.307531e+04	1.153551e+04	1.110962e+04
##	25111	25112	25113	25114	25115
##	1.076125e+04	9.301482e+03	1.090318e+04	1.590711e+04	1.358275e+04
##	25116	25117	25118	25119	25120
##	1.284617e+04	1.244646e+04	8.932602e+03	1.100930e+04	1.196140e+04
##	25121	25122	25123	25124	25125
##	1.396449e+04	1.302890e+04	9.622526e+03	1.425963e+04	1.497232e+04
##	25126	25127	25128	25129	25130

##	1.352372e+04	1.440726e+04	1.208127e+04	1.085714e+04	1.211340e+04
##	25131	25132	25133	25134	25135
##	1.078430e+04	1.103537e+04	1.376605e+04	1.215354e+04	1.393543e+04
##	25136	25137	25138	25139	25140
##	1.366068e+04	1.400204e+04	1.543689e+04	1.169262e+04	1.412276e+04
##	25141	25142	25143	25144	25145
##	1.424425e+04	1.082382e+04	1.669744e+04	1.305593e+04	1.140168e+04
##	25146	25147	25148	25149	25150
##	1.081931e+04	1.487579e+04	1.093868e+04	1.092849e+04	1.070954e+04
##	25151	25152	25153	25154	25155
##	1.086034e+04	1.325245e+04	1.069774e+04	9.636831e+03	1.504286e+04
##	25156	25157	25158	25159	25160
##	1.080802e+04	1.035694e+04	1.354658e+04	1.426250e+04	1.127876e+04
##	25161	25162	25163	25164	25165
##	1.399132e+04	1.117919e+04	1.085298e+04	1.270929e+04	1.189855e+04
##	25166	25167	25168	25169	25170
##	1.366953e+04	1.291592e+04	1.438917e+04	1.079989e+04	1.540441e+04
##	25171	25172	25173	25174	25175
##	1.395990e+04	1.206483e+04	1.085410e+04	1.095029e+04	1.095200e+04
##	25176	25177	25178	25179	25180
##	1.537111e+04	1.099371e+04	1.249219e+04	1.305763e+04	1.374606e+04
##	25181	25182	25183	25184	25185
##	1.210782e+04	1.532195e+04	1.076830e+04	1.085871e+04	1.629617e+04
##	25186	25187	25188	25189	25190
##	1.106891e+04	1.077387e+04	1.121235e+04	1.307326e+04	1.279192e+04
##	25191	25192	25193	25194	25195
##	1.361677e+04	1.511491e+04	1.869071e+04	1.480687e+04	1.468128e+04
##	25196	25197	25198	25199	25200
##	1.502994e+04	1.135342e+04	1.374250e+04	1.368462e+04	1.427707e+04
##	25201	25202	25203	25204	25205
##	1.110269e+04	1.309507e+04	1.596199e+04	1.132528e+04	1.421892e+04
##	25206	25207	25208	25209	25210
##	9.379272e+03	1.393607e+04	1.095592e+04	1.101126e+04	1.437201e+04
##	25211	25212	25213	25214	25215
##	1.111302e+04	1.087026e+04	1.103001e+04	1.471401e+04	1.374570e+04
##	25216	25217	25218	25219	25220
##	1.301057e+04	1.116721e+04	1.280298e+04	1.084415e+04	1.107432e+04
##	25221	25222	25223	25224	25225
##	1.288422e+04	1.247677e+04	9.406301e+03	8.920847e+03	1.400147e+04
##	25226	25227	25228	25229	25230
##	1.461932e+04	1.434551e+04	1.129202e+04	1.082656e+04	1.066238e+04
##	25231	25232	25233	25234	25235
##	1.638560e+04	1.299004e+04	1.139904e+04	1.596572e+04	1.498810e+04
##	25236	25237	25238	25239	25240
##	1.066407e+04	1.139550e+04	1.778310e+04	1.391230e+04	1.339846e+04
##	25241	25242	25243	25244	25245
##	1.358095e+04	1.180934e+04	1.063819e+04	1.001455e+04	1.071601e+04
##	25246	25247	25248	25249	25250
##	1.464117e+04	1.376388e+04	1.305632e+04	1.199785e+04	1.118194e+04
##	25251	25252	25253	25254	25255
##	1.547023e+04	1.205552e+04	1.034894e+04	1.130073e+04	1.374126e+04
##	25256	25257	25258	25259	25260
##	1.390321e+04	1.229339e+04	1.532197e+04	1.600493e+04	1.219699e+04
##	25261	25262	25263	25264	25265

##	1.082882e+04	1.285779e+04	1.067414e+04	1.119199e+04	1.091041e+04
##	25266	25267	25268	25269	25270
##	1.245291e+04	1.276139e+04	1.677546e+04	1.452962e+04	1.276874e+04
##	25271	25272	25273	25274	25275
##	1.119414e+04	1.344391e+04	1.172407e+04	1.519790e+04	1.283107e+04
##	25276	25277	25278	25279	25280
##	1.713464e+04	1.087418e+04	1.300084e+04	1.587072e+04	1.133354e+04
##	25281	25282	25283	25284	25285
##	1.438728e+04	9.328378e+03	1.393775e+04	1.423684e+04	1.385464e+04
##	25286	25287	25288	25289	25290
##	1.470865e+04	1.298003e+04	1.394074e+04	1.145162e+04	1.071871e+04
##	25291	25292	25293	25294	25295
##	1.083315e+04	1.092006e+04	1.078065e+04	1.411172e+04	1.239534e+04
##	25296	25297	25298	25299	25300
##	1.126973e+04	1.251600e+04	9.510278e+03	1.354273e+04	1.091067e+04
##	25301	25302	25303	25304	25305
##	1.171602e+04	9.133413e+03	8.426997e+03	1.227907e+04	1.381686e+04
##	25306	25307	25308	25309	25310
##	1.654159e+04	1.644042e+04	1.447171e+04	1.093033e+04	1.385729e+04
##	25311	25312	25313	25314	25315
##	1.306114e+04	1.302758e+04	1.501302e+04	1.433567e+04	7.750040e+03
##	25316	25317	25318	25319	25320
##	1.130653e+04	1.109377e+04	1.117658e+04	1.426691e+04	1.396100e+04
##	25321	25322	25323	25324	25325
##	1.152641e+04	1.216381e+04	1.224118e+04	1.151877e+04	1.470738e+04
##	25326	25327	25328	25329	25330
##	1.063342e+04	1.320247e+04	1.297564e+04	1.102607e+04	1.137628e+04
##	25331	25332	25333	25334	25335
##	1.545206e+04	7.785354e+03	1.265556e+04	9.041684e+03	1.354791e+04
##	25336	25337	25338	25339	25340
##	1.106779e+04	1.116361e+04	1.357764e+04	1.648780e+04	1.648780e+04
##	25341	25342	25343	25344	25345
##	1.485088e+04	1.166300e+04	1.362337e+04	1.391577e+04	1.196933e+04
##	25346	25347	25348	25349	25350
##	1.328951e+04	1.486445e+04	1.287141e+04	1.093370e+04	1.417728e+04
##	25351	25352	25353	25354	25355
##	-3.285413e+02	9.698199e+02	9.881095e+02	1.081028e+03	1.001431e+03
##	25356	25357	25358	25359	25360
##	1.077630e+03	1.111624e+03	1.178429e+03	1.036139e+03	1.031410e+03
##	25361	25362	25363	25364	25365
##	1.020833e+03	1.039409e+03	9.786082e+02	1.066566e+03	1.074318e+03
##	25366	25367	25368	25369	25370
##	1.315914e+03	1.302702e+03	6.144781e+02	1.076298e+03	1.095992e+03
##	25371	25372	25373	25374	25375
##	1.096823e+03	1.045010e+03	1.086690e+03	-9.302531e+02	6.653964e+02
##	25376	25377	25378	25379	25380
##	6.389169e+02	6.626163e+02	6.934821e+02	6.912296e+02	7.208328e+02
##	25381	25382	25383	25384	25385
##	1.104798e+04	9.657718e+03	1.083440e+04	1.339084e+04	1.081043e+04
##	25386	25387	25388	25389	25390
##	1.084754e+04	1.090996e+04	1.392453e+04	1.287098e+04	1.389855e+04
##	25391	25392	25393	25394	25395
##	1.346130e+04	1.103535e+04	1.601983e+04	9.507955e+03	1.313453e+04
##	25396	25397	25398	25399	25400

##	1.102215e+04	1.092676e+04	1.092402e+04	1.140821e+04	1.117785e+04
##	25401	25402	25403	25404	25405
##	1.167448e+04	1.676499e+04	1.420042e+04	1.113119e+04	1.417674e+04
##	25406	25407	25408	25409	25410
##	1.366273e+04	1.308753e+04	1.447171e+04	1.277636e+04	1.522268e+04
##	25411	25412	25413	25414	25415
##	1.348175e+04	1.243468e+04	1.437882e+04	1.147401e+04	1.258838e+04
##	25416	25417	25418	25419	25420
##	1.705695e+04	1.026317e+04	1.345577e+04	1.226037e+04	1.102071e+04
##	25421	25422	25423	25424	25425
##	1.126538e+04	1.092483e+04	1.090846e+04	1.094897e+04	1.095341e+04
##	25426	25427	25428	25429	25430
##	1.094304e+04	1.357764e+04	1.094384e+04	1.150793e+04	1.288624e+04
##	25431	25432	25433	25434	25435
##	1.083972e+04	1.159413e+04	1.528997e+04	1.373650e+04	1.138603e+04
##	25436	25437	25438	25439	25440
##	1.728763e+04	1.118367e+04	1.231094e+04	1.233588e+04	8.647451e+03
##	25441	25442	25443	25444	25445
##	1.813437e+04	9.657718e+03	1.093139e+04	1.088960e+04	1.077333e+04
##	25446	25447	25448	25449	25450
##	1.283140e+04	1.456603e+04	1.079008e+04	1.081701e+04	1.196208e+04
##	25451	25452	25453	25454	25455
##	1.104999e+04	1.319568e+04	1.285512e+04	1.780626e+04	1.312637e+04
##	25456	25457	25458	25459	25460
##	1.116926e+04	1.647519e+04	1.100480e+04	1.567189e+04	1.076119e+04
##	25461	25462	25463	25464	25465
##	2.398995e+04	1.439320e+04	1.200583e+04	1.452400e+04	1.041408e+04
##	25466	25467	25468	25469	25470
##	1.087312e+04	1.088604e+04	1.036873e+04	1.159305e+04	1.126983e+04
##	25471	25472	25473	25474	25475
##	1.487936e+04	1.324864e+04	1.405246e+04	1.254870e+04	1.095669e+04
##	25476	25477	25478	25479	25480
##	1.071950e+04	1.369044e+04	1.094548e+04	1.089936e+04	1.582121e+04
##	25481	25482	25483	25484	25485
##	1.860060e+04	1.086006e+04	1.081717e+04	1.519215e+04	1.243902e+04
##	25486	25487	25488	25489	25490
##	1.591050e+04	1.431775e+04	1.143330e+04	1.264381e+04	1.497894e+04
##	25491	25492	25493	25494	25495
##	1.601905e+04	1.139311e+04	1.416439e+04	1.093511e+04	1.098985e+04
##	25496	25497	25498	25499	25500
##	1.141677e+04	1.489195e+04	1.224761e+04	1.107389e+04	1.089292e+04
##	25501	25502	25503	25504	25505
##	1.098007e+04	1.082682e+04	1.083609e+04	1.086643e+04	1.067500e+04
##	25506	25507	25508	25509	25510
##	1.348944e+04	1.545206e+04	9.330537e+03	9.116772e+03	1.089295e+04
##	25511	25512	25513	25514	25515
##	1.223209e+04	1.096083e+04	1.153928e+04	1.307291e+04	1.455249e+04
##	25516	25517	25518	25519	25520
##	1.224987e+04	1.438290e+04	1.444738e+04	1.371176e+04	1.448218e+04
##	25521	25522	25523	25524	25525
##	1.193154e+04	1.373905e+04	1.090004e+04	1.098643e+04	1.349110e+04
##	25526	25527	25528	25529	25530
##	2.041138e+04	1.202718e+04	1.308566e+04	1.113873e+04	1.691566e+04
##	25531	25532	25533	25534	25535

##	1.314134e+04	1.560064e+04	1.837738e+04	1.081361e+04	1.195493e+04
##	25536	25537	25538	25539	25540
##	1.282638e+04	1.540545e+04	1.449829e+04	1.118543e+04	1.660256e+04
##	25541	25542	25543	25544	25545
##	1.339971e+04	1.356856e+04	1.116060e+04	1.075560e+04	1.072432e+04
##	25546	25547	25548	25549	25550
##	1.086508e+04	1.100607e+04	1.105183e+04	1.114149e+04	1.369044e+04
##	25551	25552	25553	25554	25555
##	1.153543e+04	1.300106e+04	1.527217e+04	1.131057e+04	1.236251e+04
##	25556	25557	25558	25559	25560
##	1.081182e+04	1.080381e+04	1.081418e+04	1.457864e+04	1.107197e+04
##	25561	25562	25563	25564	25565
##	1.537877e+04	1.280681e+04	1.547718e+04	1.725718e+04	1.185888e+04
##	25566	25567	25568	25569	25570
##	1.333129e+04	1.359849e+04	1.212689e+04	1.444041e+04	8.119838e+03
##	25571	25572	25573	25574	25575
##	1.546456e+04	1.383239e+04	1.443621e+04	1.105033e+04	9.027112e+03
##	25576	25577	25578	25579	25580
##	1.247824e+04	1.102374e+04	1.109714e+04	1.506898e+04	1.937477e+04
##	25581	25582	25583	25584	25585
##	1.106961e+04	1.104336e+04	1.336183e+04	1.351792e+04	1.228626e+04
##	25586	25587	25588	25589	25590
##	1.071476e+04	1.301344e+04	1.351414e+04	9.330537e+03	1.089982e+04
##	25591	25592	25593	25594	25595
##	1.364194e+04	9.116772e+03	1.128706e+04	1.123717e+04	1.296786e+04
##	25596	25597	25598	25599	25600
##	1.270285e+04	1.202971e+04	1.157630e+04	1.409076e+04	1.440666e+04
##	25601	25602	25603	25604	25605
##	1.599218e+04	1.162077e+04	1.214136e+04	1.411755e+04	1.081861e+04
##	25606	25607	25608	25609	25610
##	1.166560e+04	1.500058e+04	1.348595e+04	1.229101e+04	1.119751e+04
##	25611	25612	25613	25614	25615
##	1.103420e+04	1.117900e+04	1.088752e+04	1.092433e+04	1.078310e+04
##	25616	25617	25618	25619	25620
##	1.078837e+04	1.109273e+04	1.101023e+04	1.075822e+04	1.427410e+04
##	25621	25622	25623	25624	25625
##	1.390199e+04	1.568412e+04	7.935067e+03	1.104746e+04	1.359938e+04
##	25626	25627	25628	25629	25630
##	7.267971e+03	1.502792e+04	1.713048e+04	1.519000e+04	1.458973e+04
##	25631	25632	25633	25634	25635
##	1.428679e+04	1.431952e+04	1.363885e+04	1.097553e+04	1.103970e+04
##	25636	25637	25638	25639	25640
##	1.096022e+04	1.438525e+04	8.245294e+03	1.333938e+04	1.425248e+04
##	25641	25642	25643	25644	25645
##	1.080225e+04	1.129143e+04	1.547678e+04	1.403191e+04	1.110791e+04
##	25646	25647	25648	25649	25650
##	1.114192e+04	1.102914e+04	1.377132e+04	1.846571e+04	1.830731e+04
##	25651	25652	25653	25654	25655
##	1.103480e+04	1.333313e+04	1.431569e+04	1.427386e+04	1.352386e+04
##	25656	25657	25658	25659	25660
##	1.400913e+04	1.389870e+04	1.302603e+04	1.056266e+04	1.436896e+04
##	25661	25662	25663	25664	25665
##	1.450913e+04	1.101188e+04	1.108125e+04	1.419794e+04	1.377341e+04
##	25666	25667	25668	25669	25670

##	1.384789e+04	1.420751e+04	8.274503e+03	1.083091e+04	1.403855e+04
##	25671	25672	25673	25674	25675
##	1.087076e+04	1.015774e+04	1.498805e+04	1.204133e+04	1.371925e+04
##	25676	25677	25678	25679	25680
##	1.582639e+04	1.390094e+04	1.290033e+04	1.323255e+04	1.214829e+04
##	25681	25682	25683	25684	25685
##	9.702656e+02	9.296526e+02	2.888536e+02	7.512165e+02	7.179405e+02
##	25686	25687	25688	25689	25690
##	7.114189e+02	4.442326e+02	-5.365694e+02	-7.260889e+01	1.117707e+02
##	25691	25692	25693	25694	25695
##	-6.400702e+02	-4.319777e+02	2.385814e+02	-2.309674e+02	3.200479e+02
##	25696	25697	25698	25699	25700
##	-3.225057e+01	2.175809e+02	3.926185e+02	3.985914e+02	3.723248e+02
##	25701	25702	25703	25704	25705
##	8.100668e+02	5.944218e+02	4.748226e+02	5.723341e+02	5.092072e+02
##	25706	25707	25708	25709	25710
##	4.097128e+02	3.756159e+02	5.789123e+02	5.145209e+02	5.040839e+02
##	25711	25712	25713	25714	25715
##	1.390241e+04	1.154487e+04	1.031850e+04	1.104603e+04	1.474927e+04
##	25716	25717	25718	25719	25720
##	1.233496e+04	1.177955e+04	1.494935e+04	7.904530e+03	1.468576e+04
##	25721	25722	25723	25724	25725
##	1.292401e+04	1.524683e+04	1.612470e+04	1.473226e+04	1.081727e+04
##	25726	25727	25728	25729	25730
##	1.385469e+04	1.449518e+04	1.759557e+04	1.136440e+04	1.622775e+04
##	25731	25732	25733	25734	25735
##	1.144049e+04	1.163308e+04	1.864686e+04	1.423695e+04	1.321312e+04
##	25736	25737	25738	25739	25740
##	1.666220e+04	9.492763e+03	1.514902e+04	1.513459e+04	8.236212e+03
##	25741	25742	25743	25744	25745
##	1.119436e+04	1.106477e+04	1.107737e+04	1.111139e+04	1.096807e+04
##	25746	25747	25748	25749	25750
##	1.095766e+04	1.113986e+04	1.093669e+04	1.345802e+04	1.588770e+04
##	25751	25752	25753	25754	25755
##	1.470450e+04	1.090512e+04	1.132964e+04	1.107200e+04	1.381106e+04
##	25756	25757	25758	25759	25760
##	1.080043e+04	1.094613e+04	1.089231e+04	1.095655e+04	1.613813e+04
##	25761	25762	25763	25764	25765
##	1.298793e+04	1.453497e+04	1.875712e+04	1.081055e+04	1.352735e+04
##	25766	25767	25768	25769	25770
##	1.282167e+04	1.446014e+04	1.453276e+04	1.713410e+04	1.279067e+04
##	25771	25772	25773	25774	25775
##	1.587993e+04	1.118698e+04	1.464008e+04	9.410602e+03	1.506295e+04
##	25776	25777	25778	25779	25780
##	1.694183e+04	1.384332e+04	1.083281e+04	1.989524e+04	1.319291e+04
##	25781	25782	25783	25784	25785
##	1.376928e+04	1.148379e+04	1.392956e+04	1.090537e+04	1.440270e+04
##	25786	25787	25788	25789	25790
##	1.407260e+04	1.385169e+04	1.349149e+04	1.116531e+04	1.411364e+04
##	25791	25792	25793	25794	25795
##	1.864108e+04	1.259702e+04	1.565075e+04	1.433144e+04	1.186647e+04
##	25796	25797	25798	25799	25800
##	1.113842e+04	1.123656e+04	1.269561e+04	1.085799e+04	1.421336e+04
##	25801	25802	25803	25804	25805

##	1.476204e+04	1.352510e+04	1.339009e+04	1.687281e+04	1.509291e+04
##	25806	25807	25808	25809	25810
##	1.343055e+04	1.380515e+04	1.391070e+04	1.395645e+04	1.430478e+04
##	25811	25812	25813	25814	25815
##	1.322920e+04	1.090616e+04	1.574536e+04	1.494967e+04	1.190903e+04
##	25816	25817	25818	25819	25820
##	1.664100e+04	1.175729e+04	1.460033e+04	1.805727e+04	1.387647e+04
##	25821	25822	25823	25824	25825
##	8.956059e+03	1.133894e+04	1.014698e+04	1.105410e+04	1.086494e+04
##	25826	25827	25828	25829	25830
##	1.092175e+04	1.085160e+04	9.076396e+03	1.052360e+04	1.201347e+04
##	25831	25832	25833	25834	25835
##	1.474601e+04	1.279114e+04	1.171331e+04	1.492518e+04	1.268888e+04
##	25836	25837	25838	25839	25840
##	1.588475e+04	1.467190e+04	1.236627e+04	1.470134e+04	1.429357e+04
##	25841	25842	25843	25844	25845
##	1.107293e+04	1.087082e+04	1.230177e+04	1.277217e+04	1.422518e+04
##	25846	25847	25848	25849	25850
##	1.317390e+04	1.125148e+04	1.103681e+04	1.484975e+04	1.684469e+04
##	25851	25852	25853	25854	25855
##	2.180597e+04	1.107870e+04	1.406766e+04	1.078674e+04	1.144700e+04
##	25856	25857	25858	25859	25860
##	1.432049e+04	1.503277e+04	1.051630e+04	1.427873e+04	1.548364e+04
##	25861	25862	25863	25864	25865
##	1.131772e+04	1.385730e+04	1.374890e+04	1.366280e+04	1.431978e+04
##	25866	25867	25868	25869	25870
##	1.336733e+04	1.255965e+04	9.360764e+03	1.334454e+04	1.160126e+04
##	25871	25872	25873	25874	25875
##	1.297819e+04	1.189886e+04	1.342858e+04	1.428641e+04	1.760831e+04
##	25876	25877	25878	25879	25880
##	1.372006e+04	1.432338e+04	1.746468e+04	1.124367e+04	1.150526e+04
##	25881	25882	25883	25884	25885
##	1.343742e+04	1.344314e+04	1.366993e+04	1.374514e+04	1.162861e+04
##	25886	25887	25888	25889	25890
##	1.130093e+04	8.746834e+03	1.485954e+04	1.240472e+04	1.133120e+04
##	25891	25892	25893	25894	25895
##	1.316722e+04	1.403230e+04	1.461399e+04	1.106895e+04	1.313470e+04
##	25896	25897	25898	25899	25900
##	1.438971e+04	1.097114e+04	1.084511e+04	9.206171e+03	1.685260e+04
##	25901	25902	25903	25904	25905
##	2.094801e+04	1.003288e+04	1.478491e+04	1.279470e+04	1.475414e+04
##	25906	25907	25908	25909	25910
##	1.545731e+04	1.416226e+04	1.485838e+04	1.395938e+04	1.463934e+04
##	25911	25912	25913	25914	25915
##	1.511504e+04	1.100111e+04	1.389421e+04	1.347533e+04	1.180588e+04
##	25916	25917	25918	25919	25920
##	1.587663e+04	1.365338e+04	1.421808e+04	1.465254e+04	1.437514e+04
##	25921	25922	25923	25924	25925
##	1.367269e+04	1.778148e+04	1.421381e+04	1.136081e+04	7.351814e+03
##	25926	25927	25928	25929	25930
##	7.420311e+03	1.385264e+04	1.427360e+04	1.500150e+04	1.200308e+04
##	25931	25932	25933	25934	25935
##	1.681102e+04	1.436577e+04	1.311074e+04	1.507550e+04	1.417435e+04
##	25936	25937	25938	25939	25940

##	1.441846e+04	1.410897e+04	1.240137e+04	1.105112e+04	1.273791e+04
##	25941	25942	25943	25944	25945
##	1.486020e+04	1.339805e+04	1.339805e+04	1.427249e+04	1.134347e+04
##	25946	25947	25948	25949	25950
##	1.478669e+04	1.176561e+04	1.403012e+04	1.145436e+04	1.495025e+04
##	25951	25952	25953	25954	25955
##	1.639545e+04	1.465355e+04	1.395209e+04	1.380655e+04	1.049433e+04
##	25956	25957	25958	25959	25960
##	1.515322e+04	1.167870e+04	1.385990e+04	1.402436e+04	1.382541e+04
##	25961	25962	25963	25964	25965
##	1.199881e+04	1.400503e+04	1.452552e+04	1.395020e+04	1.866369e+04
##	25966	25967	25968	25969	25970
##	1.304990e+04	1.033275e+04	1.112927e+04	1.417732e+04	1.309881e+04
##	25971	25972	25973	25974	25975
##	1.150614e+04	1.139644e+04	1.110231e+04	1.555047e+04	1.474420e+04
##	25976	25977	25978	25979	25980
##	1.475347e+04	1.473330e+04	1.488407e+04	1.125355e+04	1.510969e+04
##	25981	25982	25983	25984	25985
##	1.131997e+04	1.389829e+04	8.847721e+03	1.414354e+04	1.199402e+04
##	25986	25987	25988	25989	25990
##	1.237260e+04	8.180645e+03	1.230549e+04	1.174481e+04	1.538048e+04
##	25991	25992	25993	25994	25995
##	1.583591e+04	1.207124e+04	1.205332e+04	1.421863e+04	1.136563e+04
##	25996	25997	25998	25999	26000
##	1.504102e+04	1.383174e+04	7.435019e+03	3.067782e+04	2.976843e+04
##	26001	26002	26003	26004	26005
##	1.164151e+04	1.096883e+04	1.202797e+04	7.620713e+03	1.418104e+04
##	26006	26007	26008	26009	26010
##	1.733281e+04	1.407844e+04	1.489824e+04	1.237084e+04	1.114907e+04
##	26011	26012	26013	26014	26015
##	5.362489e+02	5.466405e+02	5.869046e+02	4.787995e+02	1.746250e+02
##	26016	26017	26018	26019	26020
##	2.987555e+02	9.649277e+02	4.853340e+02	-6.537436e+02	6.968642e+02
##	26021	26022	26023	26024	26025
##	7.169069e+02	7.187132e+02	6.556767e+02	6.407519e+02	7.669681e+02
##	26026	26027	26028	26029	26030
##	7.774051e+02	7.729226e+02	6.266211e+02	5.380289e+02	6.520201e+02
##	26031	26032	26033	26034	26035
##	7.788264e+02	7.970028e+02	6.950135e+02	7.297972e+02	5.172824e+02
##	26036	26037	26038	26039	26040
##	6.629393e+02	6.632495e+02	3.210491e+02	5.468348e+02	6.804430e+02
##	26041	26042	26043	26044	26045
##	1.097987e+04	1.386856e+04	1.346684e+04	1.719688e+04	1.220250e+04
##	26046	26047	26048	26049	26050
##	1.030150e+04	9.364578e+03	1.733987e+04	1.388571e+04	1.171472e+04
##	26051	26052	26053	26054	26055
##	1.130663e+04	1.084758e+04	1.487700e+04	1.419275e+04	1.264104e+04
##	26056	26057	26058	26059	26060
##	1.395938e+04	1.499870e+04	1.250137e+04	1.406943e+04	1.144638e+04
##	26061	26062	26063	26064	26065
##	1.430650e+04	1.161180e+04	1.345437e+04	1.141287e+04	1.247058e+04
##	26066	26067	26068	26069	26070
##	1.508229e+04	1.414611e+04	1.525372e+04	1.481118e+04	1.424273e+04
##	26071	26072	26073	26074	26075

##	1.527250e+04	1.527250e+04	1.107837e+04	1.142921e+04	1.162202e+04
##	26076	26077	26078	26079	26080
##	1.135573e+04	1.147560e+04	7.676870e+03	1.422575e+04	1.247676e+04
##	26081	26082	26083	26084	26085
##	1.334028e+04	1.341660e+04	1.609927e+04	1.121283e+04	1.187818e+04
##	26086	26087	26088	26089	26090
##	1.788491e+04	1.367579e+04	1.508905e+04	1.592859e+04	1.126908e+04
##	26091	26092	26093	26094	26095
##	1.955079e+04	1.443052e+04	1.193258e+04	1.454929e+04	1.490984e+04
##	26096	26097	26098	26099	26100
##	1.112457e+04	1.391824e+04	1.471073e+04	1.120881e+04	1.325222e+04
##	26101	26102	26103	26104	26105
##	2.335776e+04	1.338244e+04	1.153284e+04	1.170316e+04	1.671444e+04
##	26106	26107	26108	26109	26110
##	7.549462e+03	1.382911e+04	1.537723e+04	9.833393e+03	1.127461e+04
##	26111	26112	26113	26114	26115
##	1.463173e+04	1.565470e+04	1.262159e+04	1.019971e+04	1.445557e+04
##	26116	26117	26118	26119	26120
##	1.414278e+04	1.541089e+04	1.442111e+04	1.821962e+04	1.259497e+04
##	26121	26122	26123	26124	26125
##	1.109307e+04	1.505971e+04	1.518266e+04	1.651776e+04	1.453359e+04
##	26126	26127	26128	26129	26130
##	1.144103e+04	1.420965e+04	1.617008e+04	1.185688e+04	2.089772e+04
##	26131	26132	26133	26134	26135
##	1.586296e+04	1.120377e+04	1.141769e+04	1.482030e+04	1.142662e+04
##	26136	26137	26138	26139	26140
##	1.189304e+04	1.177315e+04	1.586062e+04	1.678727e+04	1.696973e+04
##	26141	26142	26143	26144	26145
##	1.121021e+04	1.092750e+04	1.196676e+04	1.345044e+04	1.446371e+04
##	26146	26147	26148	26149	26150
##	1.511059e+04	1.332475e+04	1.337588e+04	1.516178e+04	1.228117e+04
##	26151	26152	26153	26154	26155
##	1.312281e+04	1.160099e+04	8.402185e+03	1.531124e+04	1.155612e+04
##	26156	26157	26158	26159	26160
##	1.438667e+04	1.366043e+04	1.481605e+04	1.481288e+04	1.424363e+04
##	26161	26162	26163	26164	26165
##	1.104314e+04	1.390312e+04	1.386376e+04	1.495355e+04	1.110702e+04
##	26166	26167	26168	26169	26170
##	1.437753e+04	9.266964e+03	1.409016e+04	1.521803e+04	1.150231e+04
##	26171	26172	26173	26174	26175
##	1.164208e+04	1.105910e+04	1.491775e+04	1.442649e+04	1.401788e+04
##	26176	26177	26178	26179	26180
##	1.192511e+04	1.152343e+04	1.530598e+04	1.442708e+04	1.455030e+04
##	26181	26182	26183	26184	26185
##	1.129828e+04	1.496853e+04	1.392647e+04	1.396209e+04	1.142841e+04
##	26186	26187	26188	26189	26190
##	1.441053e+04	1.119301e+04	1.006794e+04	1.336126e+04	1.446605e+04
##	26191	26192	26193	26194	26195
##	1.322559e+04	1.278158e+04	1.582224e+04	1.404569e+04	1.317474e+04
##	26196	26197	26198	26199	26200
##	1.354560e+04	1.393049e+04	1.239076e+04	7.733053e+03	1.170377e+04
##	26201	26202	26203	26204	26205
##	1.120485e+04	1.611694e+04	1.039318e+04	1.091773e+04	1.118122e+04
##	26206	26207	26208	26209	26210

##	1.427530e+04	1.435621e+04	1.146224e+04	1.336984e+04	1.146142e+04
##	26211	26212	26213	26214	26215
##	1.299049e+04	1.157045e+04	1.565433e+04	1.353909e+04	1.201065e+04
##	26216	26217	26218	26219	26220
##	1.199108e+04	1.549306e+04	1.476998e+04	1.381196e+04	1.427884e+04
##	26221	26222	26223	26224	26225
##	1.400995e+04	1.127521e+04	1.354340e+04	1.573269e+04	1.419518e+04
##	26226	26227	26228	26229	26230
##	1.125291e+04	1.106105e+04	1.425410e+04	1.501976e+04	1.438042e+04
##	26231	26232	26233	26234	26235
##	1.399752e+04	1.593350e+04	1.165369e+04	1.214671e+04	1.070809e+04
##	26236	26237	26238	26239	26240
##	1.352873e+04	1.252615e+04	7.858628e+03	1.339122e+04	1.452669e+04
##	26241	26242	26243	26244	26245
##	1.407862e+04	1.417530e+04	1.459145e+04	1.593842e+04	1.103508e+04
##	26246	26247	26248	26249	26250
##	1.438984e+04	1.509416e+04	1.338513e+04	1.337423e+04	1.411514e+04
##	26251	26252	26253	26254	26255
##	1.228573e+04	1.528734e+04	1.479086e+04	1.392647e+04	1.466166e+04
##	26256	26257	26258	26259	26260
##	1.109350e+04	1.574461e+04	1.554791e+04	1.437753e+04	1.421869e+04
##	26261	26262	26263	26264	26265
##	1.432374e+04	1.160199e+04	1.422441e+04	1.470835e+04	1.383452e+04
##	26266	26267	26268	26269	26270
##	1.469785e+04	1.545846e+04	1.245879e+04	1.442437e+04	1.856595e+04
##	26271	26272	26273	26274	26275
##	1.816838e+04	1.537783e+04	1.446926e+04	1.257914e+04	1.502079e+04
##	26276	26277	26278	26279	26280
##	1.547514e+04	1.155499e+04	1.378625e+04	1.349349e+04	1.479843e+04
##	26281	26282	26283	26284	26285
##	1.510479e+04	8.894547e+03	1.515063e+04	1.353919e+04	1.348359e+04
##	26286	26287	26288	26289	26290
##	1.485236e+04	1.125109e+04	1.647347e+04	1.604014e+04	1.416023e+04
##	26291	26292	26293	26294	26295
##	1.367741e+04	1.114672e+04	1.121143e+04	1.121219e+04	1.112423e+04
##	26296	26297	26298	26299	26300
##	1.096039e+04	1.186724e+04	1.269546e+04	1.254806e+04	1.615094e+04
##	26301	26302	26303	26304	26305
##	1.274445e+04	1.161780e+04	1.011806e+04	1.338782e+04	1.216614e+04
##	26306	26307	26308	26309	26310
##	1.221588e+04	1.443504e+04	1.266025e+04	9.810739e+03	1.463959e+04
##	26311	26312	26313	26314	26315
##	1.444885e+04	8.118192e+03	1.429295e+04	1.711827e+04	1.477563e+04
##	26316	26317	26318	26319	26320
##	1.460580e+04	1.130173e+04	1.195082e+04	1.124681e+04	1.224015e+04
##	26321	26322	26323	26324	26325
##	1.526698e+04	1.583012e+04	1.478659e+04	1.485499e+04	1.429334e+04
##	26326	26327	26328	26329	26330
##	1.263508e+04	1.511059e+04	1.379836e+04	1.436558e+04	1.432742e+04
##	26331	26332	26333	26334	26335
##	1.432738e+04	1.414383e+04	1.224501e+04	1.417011e+04	1.406219e+04
##	26336	26337	26338	26339	26340
##	1.252029e+04	1.220732e+04	1.158514e+04	1.448609e+04	1.271035e+04
##	26341	26342	26343	26344	26345

##	6.713326e+02	7.663445e+02	7.890051e+02	7.830028e+02	7.656093e+02
##	26346	26347	26348	26349	26350
##	5.963361e+02	6.363655e+02	5.551983e+02	6.869197e+02	5.865994e+02
##	26351	26352	26353	26354	26355
##	6.123732e+02	6.821055e+02	8.105181e+02	5.802536e+02	5.448233e+02
##	26356	26357	26358	26359	26360
##	8.094340e+02	7.986109e+02	6.847572e+02	5.166923e+02	6.621146e+02
##	26361	26362	26363	26364	26365
##	6.471163e+02	6.907839e+02	5.776668e+02	6.359470e+02	6.523172e+02
##	26366	26367	26368	26369	26370
##	5.280511e+02	8.086481e+02	3.369633e+02	5.505083e+02	6.916605e+02
##	26371	26372	26373	26374	26375
##	1.126653e+04	1.405857e+04	1.476032e+04	1.368960e+04	1.119170e+04
##	26376	26377	26378	26379	26380
##	1.459041e+04	1.106296e+04	1.505387e+04	1.543993e+04	1.397918e+04
##	26381	26382	26383	26384	26385
##	1.416384e+04	1.485241e+04	1.388598e+04	1.020418e+04	1.410455e+04
##	26386	26387	26388	26389	26390
##	8.986143e+03	1.164974e+04	1.335141e+04	1.440813e+04	1.307219e+04
##	26391	26392	26393	26394	26395
##	1.496231e+04	1.379568e+04	1.580619e+04	1.445692e+04	1.483489e+04
##	26396	26397	26398	26399	26400
##	1.496853e+04	1.514527e+04	1.425100e+04	1.343270e+04	1.823373e+04
##	26401	26402	26403	26404	26405
##	1.354402e+04	1.459058e+04	1.449123e+04	1.433699e+04	1.691501e+04
##	26406	26407	26408	26409	26410
##	1.131812e+04	1.444649e+04	7.242850e+03	1.539666e+04	1.372523e+04
##	26411	26412	26413	26414	26415
##	1.582705e+04	1.840071e+04	1.253957e+04	1.448650e+04	1.452062e+04
##	26416	26417	26418	26419	26420
##	1.452062e+04	1.249030e+04	1.249716e+04	1.262421e+04	1.416045e+04
##	26421	26422	26423	26424	26425
##	1.270373e+04	1.236727e+04	1.597855e+04	1.385068e+04	1.442968e+04
##	26426	26427	26428	26429	26430
##	1.527429e+04	1.429307e+04	1.109976e+04	1.169730e+04	1.157296e+04
##	26431	26432	26433	26434	26435
##	1.426587e+04	2.509699e+04	1.454166e+04	1.153663e+04	1.053801e+04
##	26436	26437	26438	26439	26440
##	1.580441e+04	1.469130e+04	1.369767e+04	1.374746e+04	1.399800e+04
##	26441	26442	26443	26444	26445
##	1.158949e+04	1.433221e+04	1.410794e+04	1.435131e+04	3.058507e+04
##	26446	26447	26448	26449	26450
##	1.507334e+04	1.533530e+04	1.710880e+04	1.150191e+04	1.171716e+04
##	26451	26452	26453	26454	26455
##	1.636269e+04	1.406817e+04	1.265945e+04	1.120545e+04	1.448074e+04
##	26456	26457	26458	26459	26460
##	1.746484e+04	1.125752e+04	1.361299e+04	1.451392e+04	1.530237e+04
##	26461	26462	26463	26464	26465
##	1.414278e+04	1.466707e+04	1.705875e+04	1.125134e+04	1.612790e+04
##	26466	26467	26468	26469	26470
##	1.341149e+04	1.479534e+04	2.223856e+04	1.569887e+04	1.454288e+04
##	26471	26472	26473	26474	26475
##	1.079749e+04	1.119503e+04	1.158143e+04	1.150066e+04	1.734192e+04
##	26476	26477	26478	26479	26480

##	1.664944e+04	1.456434e+04	1.424291e+04	1.420719e+04	1.439000e+04
##	26481	26482	26483	26484	26485
##	1.224312e+04	1.445132e+04	1.306961e+04	7.349166e+03	1.364380e+04
##	26486	26487	26488	26489	26490
##	1.581671e+04	1.598184e+04	1.141559e+04	1.420177e+04	1.251196e+04
##	26491	26492	26493	26494	26495
##	1.361337e+04	7.592888e+03	1.067638e+04	1.430342e+04	1.523862e+04
##	26496	26497	26498	26499	26500
##	1.591101e+04	1.734839e+04	1.147118e+04	1.160569e+04	1.346279e+04
##	26501	26502	26503	26504	26505
##	1.499280e+04	1.224534e+04	1.145177e+04	1.245948e+04	1.729956e+04
##	26506	26507	26508	26509	26510
##	1.417982e+04	1.122677e+04	9.032300e+03	1.336661e+04	1.147137e+04
##	26511	26512	26513	26514	26515
##	1.346022e+04	1.495155e+04	1.493487e+04	1.414776e+04	1.443249e+04
##	26516	26517	26518	26519	26520
##	1.451100e+04	1.456755e+04	1.289027e+04	1.182331e+04	1.118009e+04
##	26521	26522	26523	26524	26525
##	1.762729e+04	1.463572e+04	1.097792e+04	1.661100e+04	1.467982e+04
##	26526	26527	26528	26529	26530
##	1.599210e+04	1.189959e+04	1.132447e+04	1.573375e+04	1.493361e+04
##	26531	26532	26533	26534	26535
##	1.378143e+04	1.484928e+04	1.404396e+04	1.402635e+04	2.717502e+04
##	26536	26537	26538	26539	26540
##	1.917544e+04	1.612381e+04	1.612959e+04	1.616815e+04	1.400216e+04
##	26541	26542	26543	26544	26545
##	1.490835e+04	1.218205e+04	1.116342e+04	1.301336e+04	1.301779e+04
##	26546	26547	26548	26549	26550
##	1.521391e+04	1.396065e+04	1.416105e+04	1.379297e+04	7.597714e+03
##	26551	26552	26553	26554	26555
##	1.455685e+04	1.533331e+04	1.717786e+04	1.987376e+04	1.987376e+04
##	26556	26557	26558	26559	26560
##	1.688886e+04	1.189326e+04	1.245542e+04	1.222588e+04	1.525533e+04
##	26561	26562	26563	26564	26565
##	1.548267e+04	1.496500e+04	9.294992e+03	1.244779e+04	8.917139e+03
##	26566	26567	26568	26569	26570
##	1.439785e+04	1.463623e+04	1.391409e+04	1.730438e+04	1.708388e+04
##	26571	26572	26573	26574	26575
##	1.120106e+04	1.713479e+04	1.457230e+04	1.438319e+04	1.270862e+04
##	26576	26577	26578	26579	26580
##	1.441403e+04	1.344469e+04	1.390122e+04	1.441720e+04	1.423953e+04
##	26581	26582	26583	26584	26585
##	1.228423e+04	1.452637e+04	1.410705e+04	1.204336e+04	1.592826e+04
##	26586	26587	26588	26589	26590
##	1.227399e+04	1.458543e+04	1.442168e+04	1.691501e+04	1.463961e+04
##	26591	26592	26593	26594	26595
##	1.467408e+04	1.133256e+04	2.034533e+04	1.302229e+04	1.295568e+04
##	26596	26597	26598	26599	26600
##	1.178259e+04	1.373560e+04	1.410684e+04	1.384182e+04	1.496884e+04
##	26601	26602	26603	26604	26605
##	1.596156e+04	1.492826e+04	1.367964e+04	1.239160e+04	1.684839e+04
##	26606	26607	26608	26609	26610
##	1.323441e+04	1.162960e+04	1.874782e+04	1.874782e+04	1.508877e+04
##	26611	26612	26613	26614	26615

##	1.441068e+04	1.212308e+04	1.555743e+04	1.077253e+04	1.319914e+04
##	26616	26617	26618	26619	26620
##	1.404379e+04	1.629116e+04	1.131730e+04	1.513253e+04	1.425671e+04
##	26621	26622	26623	26624	26625
##	1.458685e+04	1.284387e+04	1.479821e+04	1.424158e+04	1.632666e+04
##	26626	26627	26628	26629	26630
##	1.414887e+04	1.447672e+04	1.592920e+04	1.559601e+04	1.421419e+04
##	26631	26632	26633	26634	26635
##	1.496945e+04	1.496728e+04	1.119575e+04	1.549184e+04	8.079184e+03
##	26636	26637	26638	26639	26640
##	1.130849e+04	1.401669e+04	1.121314e+04	1.419638e+04	1.450430e+04
##	26641	26642	26643	26644	26645
##	1.421580e+04	1.462180e+04	1.433731e+04	1.433523e+04	1.709407e+04
##	26646	26647	26648	26649	26650
##	1.546209e+04	1.544601e+04	1.385933e+04	1.453763e+04	1.415810e+04
##	26651	26652	26653	26654	26655
##	1.349559e+04	1.448152e+04	1.638852e+04	1.162676e+04	1.440823e+04
##	26656	26657	26658	26659	26660
##	1.518305e+04	1.418362e+04	1.987176e+04	1.467912e+04	1.664027e+04
##	26661	26662	26663	26664	26665
##	7.610015e+03	1.601876e+04	1.441969e+04	1.437278e+04	1.463961e+04
##	26666	26667	26668	26669	26670
##	1.430822e+04	1.140367e+04	1.160924e+04	1.390115e+04	1.347041e+04
##	26671	26672	26673	26674	26675
##	7.431678e+02	8.361418e+02	6.539505e+02	-1.404602e+02	-7.487661e+02
##	26676	26677	26678	26679	26680
##	-7.796794e+02	-4.114895e+02	4.019761e+02	-3.470781e+02	1.259587e+02
##	26681	26682	26683	26684	26685
##	-1.402874e+03	-1.473118e+03	-8.308501e+02	-7.453327e+02	-7.388053e+02
##	26686	26687	26688	26689	26690
##	-8.108020e+02	-8.300189e+02	5.865034e+02	2.083597e+02	-4.341422e+02
##	26691	26692	26693	26694	26695
##	-1.157317e+02	-7.478324e+01	-1.172998e+02	-1.285680e+02	5.751473e+02
##	26696	26697	26698	26699	26700
##	-1.168663e+03	-1.150456e+03	-1.143497e+03	-8.612733e+02	-1.485609e+03
##	26701	26702	26703	26704	26705
##	7.978793e+02	6.973567e+02	6.696743e+02	7.841401e+02	6.528059e+02
##	26706	26707	26708	26709	26710
##	5.612602e+02	4.759342e+02	5.993291e+02	6.342245e+02	6.808423e+02
##	26711	26712	26713	26714	26715
##	6.338372e+02	5.390103e+02	6.776683e+02	5.640349e+02	3.415741e+02
##	26716	26717	26718	26719	26720
##	7.094108e+02	5.852754e+02	7.034628e+02	6.774100e+02	4.714534e+02
##	26721	26722	26723	26724	26725
##	4.926444e+02	5.311164e+02	6.444085e+02	3.548819e+02	7.934422e+02
##	26726	26727	26728	26729	26730
##	6.145632e+02	8.094793e+02	7.041424e+02	5.543671e+02	6.725516e+02
##	26731	26732	26733	26734	26735
##	1.427651e+04	1.430889e+04	1.404340e+04	1.208236e+04	1.373492e+04
##	26736	26737	26738	26739	26740
##	1.557907e+04	1.315842e+04	1.130930e+04	1.107583e+04	1.127658e+04
##	26741	26742	26743	26744	26745
##	1.280095e+04	1.542780e+04	1.663122e+04	1.787733e+04	1.949798e+04
##	26746	26747	26748	26749	26750

##	1.433482e+04	1.454679e+04	1.080601e+04	1.267516e+04	1.506558e+04
##	26751	26752	26753	26754	26755
##	1.120058e+04	1.528108e+04	1.652407e+04	1.112154e+04	1.422092e+04
##	26756	26757	26758	26759	26760
##	1.404686e+04	1.628791e+04	1.361481e+04	1.165370e+04	1.550293e+04
##	26761	26762	26763	26764	26765
##	1.258392e+04	1.507250e+04	1.443101e+04	1.403861e+04	1.256759e+04
##	26766	26767	26768	26769	26770
##	1.448674e+04	1.868743e+04	1.684168e+04	1.445889e+04	1.235001e+04
##	26771	26772	26773	26774	26775
##	1.158604e+04	1.473342e+04	1.436263e+04	1.137526e+04	1.485276e+04
##	26776	26777	26778	26779	26780
##	1.510582e+04	1.297517e+04	1.432092e+04	1.454924e+04	1.453900e+04
##	26781	26782	26783	26784	26785
##	1.462362e+04	1.456145e+04	1.141378e+04	1.142985e+04	1.432189e+04
##	26786	26787	26788	26789	26790
##	1.447493e+04	1.544988e+04	1.300700e+04	1.135760e+04	1.436129e+04
##	26791	26792	26793	26794	26795
##	1.378370e+04	1.268794e+04	1.806645e+04	1.416759e+04	1.516203e+04
##	26796	26797	26798	26799	26800
##	1.419519e+04	1.578034e+04	1.609000e+04	1.467675e+04	1.122787e+04
##	26801	26802	26803	26804	26805
##	1.117197e+04	1.505009e+04	1.334050e+04	1.823322e+04	1.696254e+04
##	26806	26807	26808	26809	26810
##	1.165978e+04	1.612461e+04	1.485559e+04	1.416175e+04	1.443096e+04
##	26811	26812	26813	26814	26815
##	1.449590e+04	1.451999e+04	1.435075e+04	1.487133e+04	1.413669e+04
##	26816	26817	26818	26819	26820
##	1.663167e+04	1.466136e+04	1.531820e+04	1.926694e+04	1.864944e+04
##	26821	26822	26823	26824	26825
##	1.158504e+04	1.160867e+04	1.566648e+04	1.923956e+04	1.443080e+04
##	26826	26827	26828	26829	26830
##	1.436038e+04	1.469922e+04	1.589762e+04	1.421816e+04	1.374754e+04
##	26831	26832	26833	26834	26835
##	1.443583e+04	1.442343e+04	1.456206e+04	1.453617e+04	1.395718e+04
##	26836	26837	26838	26839	26840
##	1.389633e+04	1.144972e+04	1.434298e+04	1.492259e+04	1.464468e+04
##	26841	26842	26843	26844	26845
##	1.176997e+04	1.160992e+04	1.482705e+04	1.505493e+04	1.424967e+04
##	26846	26847	26848	26849	26850
##	1.443769e+04	1.517206e+04	1.458063e+04	1.461827e+04	1.455406e+04
##	26851	26852	26853	26854	26855
##	1.453685e+04	1.447990e+04	1.451864e+04	1.136878e+04	1.133235e+04
##	26856	26857	26858	26859	26860
##	1.275909e+04	1.507780e+04	1.307414e+04	1.111111e+04	1.295741e+04
##	26861	26862	26863	26864	26865
##	1.162340e+04	1.410657e+04	1.274163e+04	1.449007e+04	1.728085e+04
##	26866	26867	26868	26869	26870
##	1.240335e+04	1.741259e+04	1.489887e+04	1.135846e+04	1.442364e+04
##	26871	26872	26873	26874	26875
##	1.805085e+04	1.388052e+04	1.698706e+04	1.307087e+04	1.711527e+04
##	26876	26877	26878	26879	26880
##	1.615990e+04	1.281294e+04	1.064004e+04	1.497532e+04	1.286614e+04
##	26881	26882	26883	26884	26885

##	1.267212e+04	1.459027e+04	1.921076e+04	9.669682e+03	1.493946e+04
##	26886	26887	26888	26889	26890
##	1.762026e+04	1.816413e+04	1.476398e+04	1.624859e+04	1.461462e+04
##	26891	26892	26893	26894	26895
##	1.461046e+04	1.475197e+04	1.424604e+04	1.481964e+04	1.556984e+04
##	26896	26897	26898	26899	26900
##	1.307555e+04	1.422299e+04	1.412903e+04	1.137847e+04	1.490936e+04
##	26901	26902	26903	26904	26905
##	1.457343e+04	1.479920e+04	1.471884e+04	1.447767e+04	1.648503e+04
##	26906	26907	26908	26909	26910
##	1.583333e+04	1.482411e+04	1.477418e+04	1.839178e+04	1.802063e+04
##	26911	26912	26913	26914	26915
##	1.154667e+04	1.143693e+04	1.429805e+04	1.405131e+04	1.507028e+04
##	26916	26917	26918	26919	26920
##	1.722389e+04	1.722636e+04	1.461045e+04	1.425002e+04	1.406279e+04
##	26921	26922	26923	26924	26925
##	1.486833e+04	1.139785e+04	1.610111e+04	1.275168e+04	1.954409e+04
##	26926	26927	26928	26929	26930
##	1.517522e+04	1.445833e+04	1.578302e+04	1.277200e+04	1.277705e+04
##	26931	26932	26933	26934	26935
##	1.460579e+04	1.702265e+04	2.294923e+04	2.228858e+04	1.298786e+04
##	26936	26937	26938	26939	26940
##	1.449424e+04	1.279726e+04	1.705948e+04	1.111290e+04	1.449176e+04
##	26941	26942	26943	26944	26945
##	1.658159e+04	1.531792e+04	1.595483e+04	1.428456e+04	1.438252e+04
##	26946	26947	26948	26949	26950
##	1.431253e+04	1.499057e+04	1.297992e+04	1.626096e+04	1.444218e+04
##	26951	26952	26953	26954	26955
##	1.394717e+04	1.622232e+04	1.324024e+04	1.508160e+04	1.418118e+04
##	26956	26957	26958	26959	26960
##	1.425349e+04	1.917572e+04	1.290468e+04	1.799483e+04	1.472268e+04
##	26961	26962	26963	26964	26965
##	1.131525e+04	1.333379e+04	1.588157e+04	1.699697e+04	1.294437e+04
##	26966	26967	26968	26969	26970
##	8.237230e+03	1.536968e+04	1.524282e+04	1.306089e+04	1.463526e+04
##	26971	26972	26973	26974	26975
##	1.198865e+04	1.641703e+04	1.639375e+04	1.270770e+04	1.673665e+04
##	26976	26977	26978	26979	26980
##	1.174375e+04	1.553324e+04	1.601030e+04	1.500555e+04	1.487694e+04
##	26981	26982	26983	26984	26985
##	1.454999e+04	1.579413e+04	1.479357e+04	1.476883e+04	1.496385e+04
##	26986	26987	26988	26989	26990
##	1.503656e+04	1.319053e+04	1.467639e+04	1.208356e+04	1.433190e+04
##	26991	26992	26993	26994	26995
##	1.442573e+04	1.463891e+04	1.442059e+04	1.422897e+04	1.465386e+04
##	26996	26997	26998	26999	27000
##	1.446441e+04	1.452902e+04	1.398136e+04	7.629312e+03	1.790311e+04
##	27001	27002	27003	27004	27005
##	1.152992e+04	1.131783e+04	1.292489e+04	1.492599e+04	1.406534e+04
##	27006	27007	27008	27009	27010
##	1.979215e+04	1.425632e+04	1.628216e+04	1.286820e+04	1.392610e+04
##	27011	27012	27013	27014	27015
##	1.572141e+04	1.376543e+04	1.468825e+04	1.461359e+04	1.545092e+04
##	27016	27017	27018	27019	27020

##	1.111773e+04	2.113733e+04	1.653070e+04	1.591355e+04	1.115758e+04
##	27021	27022	27023	27024	27025
##	1.496307e+04	1.423366e+04	1.612504e+04	1.855085e+04	1.939169e+04
##	27026	27027	27028	27029	27030
##	1.356896e+04	1.775024e+04	1.775024e+04	1.319952e+04	1.496350e+04
##	27031	27032	27033	27034	27035
##	8.030480e+02	6.498236e+02	7.897856e+02	6.422014e+02	6.424143e+02
##	27036	27037	27038	27039	27040
##	5.491829e+02	6.533789e+02	7.575699e+02	5.962052e+02	7.173930e+02
##	27041	27042	27043	27044	27045
##	6.574973e+02	7.869148e+02	6.511983e+02	6.610918e+02	6.735851e+02
##	27046	27047	27048	27049	27050
##	8.249942e+02	4.699515e+02	6.808423e+02	5.471212e+02	-2.802538e+02
##	27051	27052	27053	27054	27055
##	-5.569579e+02	3.132013e+02	-1.152673e+02	6.748240e+02	4.387827e+02
##	27056	27057	27058	27059	27060
##	2.601739e+02	3.223960e+02	7.550231e+02	-3.337399e+03	8.504716e+02
##	27061	27062	27063	27064	27065
##	1.187703e+04	1.137007e+04	1.424814e+04	1.415546e+04	1.428291e+04
##	27066	27067	27068	27069	27070
##	2.075369e+04	1.858975e+04	1.493493e+04	1.322665e+04	9.018724e+03
##	27071	27072	27073	27074	27075
##	1.686934e+04	1.583068e+04	1.255371e+04	1.461443e+04	1.290366e+04
##	27076	27077	27078	27079	27080
##	1.151566e+04	1.150208e+04	1.232293e+04	1.298963e+04	1.299992e+04
##	27081	27082	27083	27084	27085
##	1.791166e+04	1.827640e+04	1.535413e+04	1.476666e+04	1.088965e+04
##	27086	27087	27088	27089	27090
##	1.595405e+04	1.294174e+04	1.494447e+04	1.435764e+04	1.486141e+04
##	27091	27092	27093	27094	27095
##	1.150629e+04	1.570566e+04	1.497885e+04	1.317500e+04	1.915957e+04
##	27096	27097	27098	27099	27100
##	1.670176e+04	1.437967e+04	1.446800e+04	1.451676e+04	1.134341e+04
##	27101	27102	27103	27104	27105
##	1.425298e+04	1.471227e+04	1.440677e+04	1.490798e+04	1.560852e+04
##	27106	27107	27108	27109	27110
##	1.229098e+04	1.572369e+04	1.887113e+04	1.466612e+04	1.579358e+04
##	27111	27112	27113	27114	27115
##	1.414058e+04	1.449424e+04	1.652114e+04	1.414284e+04	1.310913e+04
##	27116	27117	27118	27119	27120
##	1.482177e+04	1.154298e+04	1.463201e+04	1.635079e+04	1.632065e+04
##	27121	27122	27123	27124	27125
##	1.490567e+04	1.485884e+04	1.609958e+04	1.546222e+04	1.401794e+04
##	27126	27127	27128	27129	27130
##	1.485063e+04	1.153729e+04	1.422634e+04	1.279454e+04	1.514838e+04
##	27131	27132	27133	27134	27135
##	3.163575e+04	1.251628e+04	1.278761e+04	1.501332e+04	1.262561e+04
##	27136	27137	27138	27139	27140
##	1.933485e+04	1.308070e+04	1.440933e+04	1.251300e+04	9.336400e+03
##	27141	27142	27143	27144	27145
##	1.426912e+04	1.402328e+04	1.331017e+04	1.222114e+04	1.277958e+04
##	27146	27147	27148	27149	27150
##	1.483350e+04	1.787494e+04	1.209846e+04	1.451959e+04	1.466020e+04
##	27151	27152	27153	27154	27155

##	1.456622e+04	1.563441e+04	1.452694e+04	1.470310e+04	1.206398e+04
##	27156	27157	27158	27159	27160
##	1.408803e+04	1.286405e+04	1.448951e+04	1.388336e+04	1.452639e+04
##	27161	27162	27163	27164	27165
##	1.455089e+04	1.837819e+04	1.464801e+04	1.988177e+04	1.452650e+04
##	27166	27167	27168	27169	27170
##	1.226045e+04	1.586181e+04	1.457462e+04	1.255430e+04	1.459098e+04
##	27171	27172	27173	27174	27175
##	1.534476e+04	1.437608e+04	1.479124e+04	1.168735e+04	1.313074e+04
##	27176	27177	27178	27179	27180
##	1.428912e+04	1.756403e+04	1.133115e+04	1.676444e+04	1.801473e+04
##	27181	27182	27183	27184	27185
##	1.176328e+04	1.438833e+04	1.701822e+04	1.524104e+04	1.527390e+04
##	27186	27187	27188	27189	27190
##	1.741864e+04	1.511973e+04	1.395364e+04	1.565886e+04	1.431285e+04
##	27191	27192	27193	27194	27195
##	1.283724e+04	1.445460e+04	1.280988e+04	1.507813e+04	1.001727e+04
##	27196	27197	27198	27199	27200
##	1.443913e+04	8.500502e+03	1.780931e+04	1.426002e+04	1.528043e+04
##	27201	27202	27203	27204	27205
##	1.401426e+04	1.157066e+04	1.620357e+04	1.484425e+04	1.856503e+04
##	27206	27207	27208	27209	27210
##	1.504594e+04	1.588579e+04	1.527008e+04	1.489790e+04	1.719597e+04
##	27211	27212	27213	27214	27215
##	1.428490e+04	1.458360e+04	1.779374e+04	1.128007e+04	1.163115e+04
##	27216	27217	27218	27219	27220
##	1.197237e+04	1.432409e+04	1.522211e+04	1.416780e+04	1.326125e+04
##	27221	27222	27223	27224	27225
##	1.711768e+04	1.452086e+04	1.451499e+04	1.499327e+04	1.472614e+04
##	27226	27227	27228	27229	27230
##	1.541727e+04	7.774444e+03	1.863038e+04	1.452991e+04	1.298853e+04
##	27231	27232	27233	27234	27235
##	1.270168e+04	1.267885e+04	1.069221e+04	1.416029e+04	1.270711e+04
##	27236	27237	27238	27239	27240
##	1.298383e+04	1.524442e+04	1.489976e+04	1.755868e+04	1.889437e+04
##	27241	27242	27243	27244	27245
##	1.412429e+04	1.289450e+04	1.473791e+04	1.514671e+04	1.531819e+04
##	27246	27247	27248	27249	27250
##	1.523217e+04	1.858679e+04	1.131735e+04	1.445646e+04	1.517303e+04
##	27251	27252	27253	27254	27255
##	1.167495e+04	1.286107e+04	1.032668e+04	1.624170e+04	1.151377e+04
##	27256	27257	27258	27259	27260
##	1.449920e+04	1.666684e+04	1.521936e+04	1.434110e+04	1.521246e+04
##	27261	27262	27263	27264	27265
##	1.616285e+04	1.306549e+04	1.437934e+04	1.442394e+04	1.164289e+04
##	27266	27267	27268	27269	27270
##	1.901948e+04	1.501232e+04	1.529317e+04	1.422698e+04	1.570080e+04
##	27271	27272	27273	27274	27275
##	1.390779e+04	1.589701e+04	1.702831e+04	1.448596e+04	1.148651e+04
##	27276	27277	27278	27279	27280
##	1.493126e+04	1.317982e+04	1.539299e+04	1.472113e+04	1.540174e+04
##	27281	27282	27283	27284	27285
##	1.422130e+04	1.563828e+04	1.469801e+04	1.421370e+04	1.869105e+04
##	27286	27287	27288	27289	27290

##	1.426151e+04	1.442315e+04	1.412036e+04	1.423607e+04	1.393660e+04
##	27291	27292	27293	27294	27295
##	1.577187e+04	1.553229e+04	1.441869e+04	1.406016e+04	1.294311e+04
##	27296	27297	27298	27299	27300
##	1.273767e+04	1.537679e+04	1.173832e+04	1.580110e+04	1.511617e+04
##	27301	27302	27303	27304	27305
##	1.586248e+04	1.428713e+04	1.928770e+04	1.271086e+04	1.532768e+04
##	27306	27307	27308	27309	27310
##	1.485939e+04	1.425748e+04	1.523322e+04	1.484398e+04	1.590688e+04
##	27311	27312	27313	27314	27315
##	1.601239e+04	1.223346e+04	1.439367e+04	1.453404e+04	1.749986e+04
##	27316	27317	27318	27319	27320
##	1.422914e+04	1.534435e+04	1.554776e+04	1.495179e+04	1.568432e+04
##	27321	27322	27323	27324	27325
##	1.437305e+04	1.432845e+04	1.438286e+04	1.438571e+04	1.727565e+04
##	27326	27327	27328	27329	27330
##	1.474734e+04	1.505430e+04	1.521771e+04	1.415573e+04	1.481913e+04
##	27331	27332	27333	27334	27335
##	1.461563e+04	1.513231e+04	1.369261e+04	1.489976e+04	1.721890e+04
##	27336	27337	27338	27339	27340
##	1.583468e+04	1.616011e+04	1.285353e+04	1.446120e+04	1.458515e+04
##	27341	27342	27343	27344	27345
##	1.913126e+04	1.498094e+04	1.206311e+04	1.597111e+04	1.533335e+04
##	27346	27347	27348	27349	27350
##	1.462952e+04	1.314834e+04	1.317299e+04	1.629380e+04	8.157130e+03
##	27351	27352	27353	27354	27355
##	1.539194e+04	1.488232e+04	1.767435e+04	1.671882e+04	2.004297e+04
##	27356	27357	27358	27359	27360
##	1.470554e+04	9.869864e+03	1.536126e+04	1.507165e+04	1.153433e+04
##	27361	27362	27363	27364	27365
##	2.060232e+02	8.717143e+02	8.731185e+02	1.101822e+03	1.151161e+03
##	27366	27367	27368	27369	27370
##	1.082557e+03	1.162171e+03	1.094574e+03	1.509114e+03	1.222764e+03
##	27371	27372	27373	27374	27375
##	1.214678e+03	1.113803e+03	-5.137167e+02	-1.071032e+02	-1.231403e+02
##	27376	27377	27378	27379	27380
##	1.012860e+03	1.028593e+03	-5.100678e+02	-6.206162e+02	-6.517080e+02
##	27381	27382	27383	27384	27385
##	-5.995457e+02	-7.816671e+02	-3.779786e+02	-5.576059e+02	-6.172383e+02
##	27386	27387	27388	27389	27390
##	-4.947230e+02	-6.165186e+02	-4.573787e+02	-6.184391e+02	-5.301184e+02
##	27391	27392	27393	27394	27395
##	1.432619e+04	1.157817e+04	1.467652e+04	1.473231e+04	1.442197e+04
##	27396	27397	27398	27399	27400
##	1.690869e+04	1.846197e+04	1.472342e+04	1.522666e+04	1.539235e+04
##	27401	27402	27403	27404	27405
##	1.549680e+04	1.555733e+04	1.427458e+04	1.653837e+04	1.441744e+04
##	27406	27407	27408	27409	27410
##	1.833274e+04	1.550076e+04	1.783036e+04	1.565310e+04	1.493143e+04
##	27411	27412	27413	27414	27415
##	1.563342e+04	1.447211e+04	1.677537e+04	1.341390e+04	1.455205e+04
##	27416	27417	27418	27419	27420
##	3.939399e+04	1.860527e+04	1.481011e+04	1.455655e+04	1.468626e+04
##	27421	27422	27423	27424	27425

##	1.666776e+04	1.700056e+04	1.429039e+04	1.507862e+04	1.678968e+04
##	27426	27427	27428	27429	27430
##	1.852462e+04	1.556690e+04	1.516146e+04	1.625489e+04	2.442815e+04
##	27431	27432	27433	27434	27435
##	1.802415e+04	1.489453e+04	1.521937e+04	1.611939e+04	1.281281e+04
##	27436	27437	27438	27439	27440
##	1.203257e+04	1.593039e+04	1.602722e+04	1.442411e+04	1.455806e+04
##	27441	27442	27443	27444	27445
##	1.598434e+04	1.669320e+04	1.478136e+04	1.525871e+04	1.485651e+04
##	27446	27447	27448	27449	27450
##	1.505035e+04	1.499808e+04	1.582162e+04	1.760085e+04	1.796821e+04
##	27451	27452	27453	27454	27455
##	1.182784e+04	1.560371e+04	1.256075e+04	1.264749e+04	1.653400e+04
##	27456	27457	27458	27459	27460
##	8.759275e+03	1.818536e+04	8.117877e+03	1.448112e+04	1.467117e+04
##	27461	27462	27463	27464	27465
##	1.469642e+04	1.430640e+04	1.561098e+04	1.718465e+04	1.470278e+04
##	27466	27467	27468	27469	27470
##	1.530719e+04	1.514595e+04	1.476328e+04	1.555176e+04	1.510528e+04
##	27471	27472	27473	27474	27475
##	1.487584e+04	1.360164e+04	1.606434e+04	1.497675e+04	1.518594e+04
##	27476	27477	27478	27479	27480
##	1.519652e+04	1.673331e+04	1.439182e+04	1.536171e+04	1.531869e+04
##	27481	27482	27483	27484	27485
##	1.150458e+04	1.505057e+04	1.572734e+04	1.598149e+04	1.413541e+04
##	27486	27487	27488	27489	27490
##	1.568528e+04	1.266558e+04	1.348990e+04	1.247969e+04	1.925428e+04
##	27491	27492	27493	27494	27495
##	1.450116e+04	1.436834e+04	1.486551e+04	1.462070e+04	1.443539e+04
##	27496	27497	27498	27499	27500
##	1.216204e+04	1.752939e+04	1.518924e+04	1.564566e+04	1.684373e+04
##	27501	27502	27503	27504	27505
##	1.421988e+04	1.483829e+04	1.504431e+04	1.555904e+04	1.351348e+04
##	27506	27507	27508	27509	27510
##	1.569375e+04	1.448681e+04	8.309940e+03	1.593827e+04	1.459198e+04
##	27511	27512	27513	27514	27515
##	1.446457e+04	1.459466e+04	1.418895e+04	1.738652e+04	2.303384e+04
##	27516	27517	27518	27519	27520
##	2.234927e+04	2.234927e+04	2.288096e+04	2.288096e+04	1.269635e+04
##	27521	27522	27523	27524	27525
##	1.460825e+04	1.906990e+04	1.949544e+04	1.793232e+04	1.515566e+04
##	27526	27527	27528	27529	27530
##	1.404818e+04	1.425317e+04	1.581026e+04	1.606101e+04	1.346245e+04
##	27531	27532	27533	27534	27535
##	8.051452e+03	1.516842e+04	1.209327e+04	1.467707e+04	1.551587e+04
##	27536	27537	27538	27539	27540
##	1.456637e+04	1.184005e+04	1.454905e+04	1.442748e+04	1.416280e+04
##	27541	27542	27543	27544	27545
##	1.631477e+04	1.648695e+04	1.442020e+04	1.782184e+04	1.440488e+04
##	27546	27547	27548	27549	27550
##	1.507922e+04	1.534618e+04	1.226227e+04	1.429283e+04	1.505171e+04
##	27551	27552	27553	27554	27555
##	1.842673e+04	1.780895e+04	1.518901e+04	1.643270e+04	1.261952e+04
##	27556	27557	27558	27559	27560

##	1.755957e+04	1.489589e+04	1.375550e+04	1.516888e+04	1.680902e+04
##	27561	27562	27563	27564	27565
##	1.641925e+04	1.807453e+04	1.504999e+04	1.682349e+04	1.442263e+04
##	27566	27567	27568	27569	27570
##	1.427222e+04	1.751961e+04	1.485255e+04	1.494793e+04	1.344706e+04
##	27571	27572	27573	27574	27575
##	1.527111e+04	1.429399e+04	1.432782e+04	1.520129e+04	1.499339e+04
##	27576	27577	27578	27579	27580
##	1.301926e+04	1.510249e+04	1.544198e+04	1.159538e+04	1.361262e+04
##	27581	27582	27583	27584	27585
##	1.189789e+04	1.516049e+04	1.688254e+04	1.749582e+04	1.416796e+04
##	27586	27587	27588	27589	27590
##	1.355389e+04	1.784328e+04	1.315000e+04	1.308397e+04	1.352575e+04
##	27591	27592	27593	27594	27595
##	1.605021e+04	1.038583e+04	1.541833e+04	1.454060e+04	1.454558e+04
##	27596	27597	27598	27599	27600
##	1.573901e+04	1.584336e+04	1.341155e+04	1.796434e+04	1.519360e+04
##	27601	27602	27603	27604	27605
##	1.460078e+04	1.448014e+04	1.558265e+04	1.546440e+04	1.598114e+04
##	27606	27607	27608	27609	27610
##	1.486265e+04	1.487275e+04	1.634653e+04	1.432345e+04	1.534820e+04
##	27611	27612	27613	27614	27615
##	1.594934e+04	1.618658e+04	1.858336e+04	1.425212e+04	1.503483e+04
##	27616	27617	27618	27619	27620
##	1.495420e+04	1.976043e+04	1.495987e+04	1.508556e+04	1.527036e+04
##	27621	27622	27623	27624	27625
##	1.653893e+04	1.680349e+04	1.496357e+04	1.473614e+04	1.901731e+04
##	27626	27627	27628	27629	27630
##	1.481307e+04	1.368907e+04	1.571708e+04	1.575342e+04	1.671741e+04
##	27631	27632	27633	27634	27635
##	3.418386e+04	1.717768e+04	1.448633e+04	1.759752e+04	1.748907e+04
##	27636	27637	27638	27639	27640
##	7.847773e+03	1.188174e+04	1.292129e+04	2.325270e+04	1.734410e+04
##	27641	27642	27643	27644	27645
##	1.523522e+04	1.488195e+04	1.515383e+04	1.433870e+04	1.214429e+04
##	27646	27647	27648	27649	27650
##	1.476419e+04	1.413275e+04	1.540609e+04	1.448072e+04	2.330098e+04
##	27651	27652	27653	27654	27655
##	1.745511e+04	1.305343e+04	1.345967e+04	1.430772e+04	1.568204e+04
##	27656	27657	27658	27659	27660
##	1.479479e+04	1.145877e+04	1.775024e+04	1.483459e+04	1.519985e+04
##	27661	27662	27663	27664	27665
##	1.507340e+04	1.493843e+04	1.538308e+04	1.734132e+04	1.558982e+04
##	27666	27667	27668	27669	27670
##	1.550005e+04	1.533658e+04	1.464217e+04	1.436056e+04	1.558462e+04
##	27671	27672	27673	27674	27675
##	1.568667e+04	1.091366e+04	2.068734e+04	1.062391e+04	1.783427e+04
##	27676	27677	27678	27679	27680
##	1.882808e+04	1.644499e+04	9.884840e+03	1.573601e+04	2.885710e+04
##	27681	27682	27683	27684	27685
##	1.405682e+04	1.599556e+04	1.494825e+04	1.513313e+04	2.210700e+04
##	27686	27687	27688	27689	27690
##	2.214025e+04	1.676099e+04	1.325399e+04	1.139504e+04	1.336877e+04
##	27691	27692	27693	27694	27695

##	-9.300026e+01	-4.491281e+02	-4.880841e+02	-4.815620e+02	-5.301674e+02
##	27696	27697	27698	27699	27700
##	-5.913535e+02	-4.274018e+02	-4.977913e+02	-1.370300e+01	8.521359e+01
##	27701	27702	27703	27704	27705
##	8.386018e+01	1.167906e+03	1.215433e+03	-3.721551e+02	-4.134149e+02
##	27706	27707	27708	27709	27710
##	-2.748238e+02	-3.704941e+02	-8.728394e+02	-8.963087e+01	-8.179537e+01
##	27711	27712	27713	27714	27715
##	-1.693809e+02	-4.800524e+02	-4.685282e+02	-4.455852e+02	-7.125728e+02
##	27716	27717	27718	27719	27720
##	-6.795205e+02	-6.867849e+02	-2.265678e+02	-3.305394e+02	-4.198874e+02
##	27721	27722	27723	27724	27725
##	1.538635e+04	1.450071e+04	1.504544e+04	1.511730e+04	1.486033e+04
##	27726	27727	27728	27729	27730
##	1.487984e+04	1.697250e+04	1.907666e+04	1.534104e+04	1.502568e+04
##	27731	27732	27733	27734	27735
##	1.518831e+04	2.022207e+04	1.342913e+04	1.153844e+04	1.518969e+04
##	27736	27737	27738	27739	27740
##	1.220307e+04	1.459841e+04	1.453111e+04	1.547840e+04	2.200950e+04
##	27741	27742	27743	27744	27745
##	1.285759e+04	1.547721e+04	1.469832e+04	1.476517e+04	1.664733e+04
##	27746	27747	27748	27749	27750
##	1.440448e+04	1.465020e+04	1.189735e+04	1.493313e+04	1.731078e+04
##	27751	27752	27753	27754	27755
##	-3.902573e+02	-4.008399e+02	-4.161585e+02	-3.042162e+02	-2.005216e+02
##	27756	27757	27758	27759	27760
##	-3.543630e+02	-3.611487e+02	-2.327826e+02	-3.045893e+02	-1.241893e+02
##	27761	27762	27763	27764	27765
##	-1.446599e+02	-3.103183e+01	-1.623141e+02	-1.659200e+02	-1.659200e+02
##	27766	27767	27768	27769	27770
##	-5.662935e+01	-1.637300e+02	-1.902041e+02	-2.098978e+02	-1.370084e+02
##	27771	27772	27773	27774	27775
##	-3.605903e+01	-9.919127e+01	-1.928673e+02	-1.832562e+02	-1.694316e+02
##	27776	27777	27778	27779	27780
##	-8.967622e+01	-2.962768e+01	-7.871166e+01	-1.344399e+02	-2.249415e+02
##	27781	27782	27783	27784	27785
##	-1.714204e+02	-1.735274e+02	-4.382011e+01	-1.240483e+02	-2.668861e+02
##	27786	27787	27788	27789	27790
##	-1.171049e+03	3.631713e+02	5.007888e+02	5.213538e+02	3.845917e+02
##	27791	27792	27793	27794	27795
##	7.043712e+02	6.617805e+02	7.627191e+02	5.787340e+02	7.228058e+02
##	27796	27797	27798	27799	27800
##	7.220891e+02	4.718311e+02	7.264755e+02	8.345806e+02	3.344052e+02
##	27801	27802	27803	27804	27805
##	5.012519e+02	8.353611e+02	8.120668e+02	6.888276e+02	7.481327e+02
##	27806	27807	27808	27809	27810
##	7.077003e+02	9.774049e+02	8.371497e+02	6.047023e+02	5.610335e+02
##	27811	27812	27813	27814	27815
##	5.837776e+02	9.814941e+02	1.237681e+03	1.285841e+03	1.299929e+03
##	27816	27817	27818	27819	27820
##	1.273787e+03	-7.923404e+01	-4.033250e+02	-8.335449e+01	-1.760955e+02
##	27821	27822	27823	27824	27825
##	-1.021056e+02	-2.173885e+02	-5.722444e+02	-6.521906e+02	-6.397141e+02
##	27826	27827	27828	27829	27830

##	-6.528804e+02	-2.001762e+02	-3.108761e+02	-5.995859e+02	-1.733539e+02
##	27831	27832	27833	27834	27835
##	9.796876e+02	5.568866e+02	5.426969e+02	5.110995e+02	1.694090e+02
##	27836	27837	27838	27839	27840
##	-1.908288e+02	-1.028191e+01	5.625210e+02	-5.681084e+02	-1.315429e+02
##	27841	27842	27843	27844	27845
##	5.236210e+02	-5.609016e+01	-4.678627e+01	1.878465e+02	-1.028481e+02
##	27846	27847	27848	27849	27850
##	-6.443266e+01	1.123914e+03	1.135778e+03	7.312029e+02	5.849370e+02
##	27851	27852	27853	27854	27855
##	8.219003e+02	4.668199e+02	4.173362e+02	6.426745e+02	7.103040e+02
##	27856	27857	27858	27859	27860
##	8.635531e+02	8.628623e+02	9.680141e+02	8.534857e+02	8.718649e+02
##	27861	27862	27863	27864	27865
##	6.576091e+02	4.976808e+02	4.974115e+02	8.327316e+02	-1.677193e+02
##	27866	27867	27868	27869	27870
##	7.310919e+02	8.118901e+02	5.478795e+02	-1.978605e+02	3.885642e+02
##	27871	27872	27873	27874	27875
##	-2.747170e+02	-2.410861e+02	-2.044914e+02	-2.126246e+02	7.500546e+02
##	27876	27877	27878	27879	27880
##	-7.483301e+02	-5.757932e+02	-2.648652e+02	-4.243423e+02	-5.664147e+02
##	27881	27882	27883	27884	27885
##	-1.299716e+02	4.538912e+02	8.856032e+02	4.378891e+02	4.374608e+02
##	27886	27887	27888	27889	27890
##	1.032930e+03	9.884584e+02	1.017117e+03	1.008388e+03	5.813629e+02
##	27891	27892	27893	27894	27895
##	-1.130875e+01	5.854960e+02	5.553707e+02	5.523377e+02	5.753680e+02
##	27896	27897	27898	27899	27900
##	-3.117599e+03	-9.706316e+01	1.321394e+02	7.853397e+01	7.424728e+01
##	27901	27902	27903	27904	27905
##	6.755765e+01	3.044659e+02	6.426335e+02	-6.217261e+02	-5.223351e+01
##	27906	27907	27908	27909	27910
##	9.441634e+02	-2.995921e+01	8.538562e+02	8.266242e+02	9.162163e+02
##	27911	27912	27913	27914	27915
##	9.839199e+02	9.596041e+02	1.009297e+03	1.059911e+03	8.878312e+02
##	27916	27917	27918	27919	27920
##	1.413018e+03	7.136795e+02	9.468655e+02	6.362466e+02	1.106482e+03
##	27921	27922	27923	27924	27925
##	9.918684e+02	5.356832e+02	-1.202886e+02	-5.483854e+02	7.302147e+02
##	27926	27927	27928	27929	27930
##	2.529689e+02	-1.770046e+03	4.536231e+02	4.302986e+02	4.518720e+02
##	27931	27932	27933	27934	27935
##	-1.826594e+03	-1.894389e+02	3.692796e+02	-1.172131e+03	-6.427188e+02
##	27936	27937	27938	27939	27940
##	-3.765943e+02	-3.619088e+02	-3.216066e+02	-3.322372e+03	6.103867e+00
##	27941	27942	27943	27944	27945
##	-4.361915e+01	5.024842e+02	5.176394e+02	4.686569e+02	4.577377e+02
##	27946	27947	27948	27949	27950
##	-1.756581e+02	-3.072041e+02	-5.413645e+02	-3.991087e+02	-3.969187e+02
##	27951	27952	27953	27954	27955
##	-3.817074e+02	-4.129504e+02	-5.169056e+02	-4.735179e+02	-5.334703e+02
##	27956	27957	27958	27959	27960
##	-4.836966e+02	-5.202533e+02	-5.535130e+02	-5.338193e+02	-5.137312e+02
##	27961	27962	27963	27964	27965

##	5.433699e+02	6.306690e+02	4.945051e+02	4.095542e+02	7.058976e+02
##	27966	27967	27968	27969	27970
##	6.199627e+02	6.661813e+02	5.950060e+02	4.638688e+02	5.484932e+02
##	27971	27972	27973	27974	27975
##	4.666942e+02	5.758398e+02	4.579197e+02	6.293156e+02	6.161039e+02
##	27976	27977	27978	27979	27980
##	5.051096e+02	5.854456e+02	4.888142e+02	6.352193e+02	5.890061e+02
##	27981	27982	27983	27984	27985
##	6.124926e+02	6.433131e+02	4.388991e+02	4.630376e+02	6.247109e+02
##	27986	27987	27988	27989	27990
##	6.433585e+02	6.264901e+02	4.247601e+02	4.813649e+02	5.867536e+02
##	27991	27992	27993	27994	27995
##	6.639288e+02	4.815737e+02	5.678044e+02	5.934433e+02	4.650771e+02
##	27996	27997	27998	27999	28000
##	6.549584e+02	3.747788e+02	4.616842e+02	4.506571e+02	4.703455e+02
##	28001	28002	28003	28004	28005
##	4.645419e+02	5.727107e+02	4.785525e+02	5.816569e+02	6.315173e+02
##	28006	28007	28008	28009	28010
##	4.794572e+02	6.211764e+02	5.567190e+02	4.336927e+02	5.215912e+02
##	28011	28012	28013	28014	28015
##	6.287426e+02	4.501219e+02	4.526006e+02	5.991848e+02	6.095711e+02
##	28016	28017	28018	28019	28020
##	5.662794e+02	3.879451e+02	6.166940e+02	5.859224e+02	5.501969e+02
##	28021	28022	28023	28024	28025
##	6.956398e+02	5.223228e+02	8.421863e+02	4.681986e+02	5.566229e+02
##	28026	28027	28028	28029	28030
##	5.434112e+02	4.890272e+02	7.662098e+02	4.661213e+02	6.557896e+02
##	28031	28032	28033	28034	28035
##	6.059198e+02	4.499090e+02	4.477190e+02	6.323485e+02	5.738002e+02
##	28036	28037	28038	28039	28040
##	8.598351e+02	6.095765e+02	6.902020e+02	-4.196376e+02	3.452957e+02
##	28041	28042	28043	28044	28045
##	-9.554182e+02	-1.103548e+03	1.147023e+03	8.457553e+02	9.172662e+02
##	28046	28047	28048	28049	28050
##	4.909379e+02	6.683561e+02	6.367080e+02	7.664595e+02	3.995239e+02
##	28051	28052	28053	28054	28055
##	6.640963e+02	3.596199e+02	7.841067e+02	7.038334e+02	6.576709e+02
##	28056	28057	28058	28059	28060
##	1.194219e+02	1.318078e+02	5.109215e+02	4.422680e+02	5.546599e+02
##	28061	28062	28063	28064	28065
##	5.839540e+02	8.420982e+01	4.921131e+02	6.359414e+01	9.965503e+02
##	28066	28067	28068	28069	28070
##	6.473595e+02	1.015950e+03	3.241357e+02	8.686840e+02	5.130228e+02
##	28071	28072	28073	28074	28075
##	1.105939e+03	-5.999625e+02	1.027313e+03	1.119477e+03	1.024650e+03
##	28076	28077	28078	28079	28080
##	1.159163e+03	-3.359240e+02	-1.988421e+02	-1.850575e+02	-1.718966e+02
##	28081	28082	28083	28084	28085
##	-1.988421e+02	7.743095e+02	8.139927e+02	1.636561e+02	2.665640e+01
##	28086	28087	28088	28089	28090
##	3.801941e+01	3.567620e+01	6.298150e+01	-4.582974e+02	3.141158e+02
##	28091	28092	28093	28094	28095
##	9.381773e+02	-4.411767e+02	-1.674150e+02	-2.775618e+01	-1.369018e+02
##	28096	28097	28098	28099	28100

##	-8.682439e+01	-9.351807e+01	-2.024728e+02	-1.619504e+02	-1.819478e+02
##	28101	28102	28103	28104	28105
##	-1.597486e+02	5.254372e+02	-3.774447e+01	-1.229042e+02	3.222305e+02
##	28106	28107	28108	28109	28110
##	5.918945e+02	5.251080e+02	6.480382e+02	5.489675e+02	-4.115470e+02
##	28111	28112	28113	28114	28115
##	5.170142e+02	6.112178e+02	2.393645e+02	6.942531e+02	5.784292e+02
##	28116	28117	28118	28119	28120
##	-2.129529e+02	5.489675e+02	5.966527e+02	6.252154e+02	6.620828e+02
##	28121	28122	28123	28124	28125
##	6.338277e+02	9.366429e+02	5.322542e+02	5.845346e+02	5.066113e+02
##	28126	28127	28128	28129	28130
##	9.384305e+02	1.063169e+03	9.701927e+02	9.703603e+02	1.038993e+03
##	28131	28132	28133	28134	28135
##	1.177578e+03	1.250405e+03	1.253347e+03	1.053734e+03	1.201977e+03
##	28136	28137	28138	28139	28140
##	1.385210e+03	7.517608e+02	-3.916004e+02	1.036776e+03	-4.612346e+02
##	28141	28142	28143	28144	28145
##	9.763762e+02	9.901608e+02	1.032054e+03	1.026241e+03	9.608666e+02
##	28146	28147	28148	28149	28150
##	9.996758e+02	9.937721e+02	1.020201e+03	9.961153e+02	9.748642e+02
##	28151	28152	28153	28154	28155
##	1.025846e+03	5.364522e+02	5.311385e+02	5.504497e+02	5.745262e+02
##	28156	28157	28158	28159	28160
##	5.400581e+02	5.657009e+02	5.620443e+02	5.540013e+02	5.356209e+02
##	28161	28162	28163	28164	28165
##	5.545288e+02	5.400127e+02	5.553600e+02	5.628301e+02	5.688300e+02
##	28166	28167	28168	28169	28170
##	5.460126e+02	7.421682e+02	7.682672e+02	7.683840e+02	7.599592e+02
##	28171	28172	28173	28174	28175
##	3.820265e+02	-7.332645e+02	-5.224527e+02	-4.696559e+02	8.132487e+02
##	28176	28177	28178	28179	28180
##	1.200806e+03	9.613778e+02	1.021251e+03	-4.785590e+02	-4.869130e+02
##	28181	28182	28183	28184	28185
##	-3.335820e+02	-3.521299e+02	-2.393784e+02	-3.825215e+02	-6.398999e+02
##	28186	28187	28188	28189	28190
##	-1.493788e+02	-3.707327e+02	-2.042113e+02	-1.498539e+02	-2.806006e+02
##	28191	28192	28193	28194	28195
##	-1.942498e+02	-5.824579e+02	-1.829025e+02	-5.260402e+01	-3.371573e+02
##	28196	28197	28198	28199	28200
##	2.070009e+02	-4.835153e+02	-1.507322e+02	2.296221e+02	-3.753145e+02
##	28201	28202	28203	28204	28205
##	-2.029489e+02	-4.686358e+02	-2.511597e+02	-2.028545e+02	-2.146633e+02
##	28206	28207	28208	28209	28210
##	1.313355e+02	3.183972e+02	-3.447209e+02	-2.560952e+02	-1.956427e+02
##	28211	28212	28213	28214	28215
##	-2.265285e+02	8.350345e+01	-1.917182e+02	-1.344975e+02	-6.036825e+02
##	28216	28217	28218	28219	28220
##	1.011976e+02	-1.872977e+02	-2.287557e+02	8.485760e+02	7.797362e+02
##	28221	28222	28223	28224	28225
##	7.312346e+02	8.101868e+02	7.268929e+02	7.719043e+02	7.254888e+02
##	28226	28227	28228	28229	28230
##	5.274691e+02	6.970218e+02	8.032434e+02	7.572431e+02	5.991546e+02
##	28231	28232	28233	28234	28235

##	6.787983e+02	8.407858e+02	7.372392e+02	7.424078e+02	8.517050e+02
##	28236	28237	28238	28239	28240
##	8.333701e+02	7.063226e+02	6.083832e+02	9.102987e+02	7.722296e+02
##	28241	28242	28243	28244	28245
##	8.524402e+02	6.154398e+02	7.322639e+02	6.106357e+02	7.427617e+02
##	28246	28247	28248	28249	28250
##	7.030252e+02	8.817850e+02	6.984819e+02	8.480484e+02	8.244451e+02
##	28251	28252	28253	28254	28255
##	6.713363e+02	8.838246e+02	6.105355e+02	7.074215e+02	7.429754e+02
##	28256	28257	28258	28259	28260
##	6.000478e+02	8.018352e+02	5.892962e+02	7.149289e+02	7.173391e+02
##	28261	28262	28263	28264	28265
##	4.409681e+02	6.107800e+02	-1.091937e+03	-1.946049e+02	-2.820113e+02
##	28266	28267	28268	28269	28270
##	-5.773248e+02	-9.925513e+02	-2.229628e+03	-1.417718e+03	2.089381e+02
##	28271	28272	28273	28274	28275
##	-1.693470e+02	-3.609935e+03	2.551509e+02	1.941474e+01	1.718996e+02
##	28276	28277	28278	28279	28280
##	-1.937393e+03	-5.447213e+02	-2.221735e+03	-2.284867e+03	-2.229126e+03
##	28281	28282	28283	28284	28285
##	-2.389038e+03	-5.844987e+02	-6.632358e+02	-6.227641e+02	-2.186332e+03
##	28286	28287	28288	28289	28290
##	-2.908387e+03	4.593418e+01	6.281714e+02	-2.229583e+03	-2.229152e+03
##	28291	28292	28293	28294	28295
##	-5.298137e+02	-5.070416e+02	-7.261171e+02	-2.980013e+02	-2.786165e+02
##	28296	28297	28298	28299	28300
##	-2.842620e+02	-2.477543e+02	-3.222820e+02	-1.294716e+03	-1.137333e+03
##	28301	28302	28303	28304	28305
##	-1.435188e+03	-1.296976e+03	-1.112087e+03	-1.300795e+03	-1.166151e+03
##	28306	28307	28308	28309	28310
##	-8.895410e+02	-9.700355e+02	-8.965170e+02	-9.435614e+02	-1.440884e+03
##	28311	28312	28313	28314	28315
##	-1.193714e+03	-1.094822e+03	-1.081560e+03	-1.151942e+03	-1.258744e+03
##	28316	28317	28318	28319	28320
##	-1.029460e+03	-8.233847e+02	-9.010502e+02	1.588858e+02	1.739579e+01
##	28321	28322	28323	28324	28325
##	6.677652e+02	7.051662e+02	7.725332e+02	7.146021e+02	5.050425e+02
##	28326	28327	28328	28329	28330
##	8.480484e+02	7.111207e+02	7.188045e+02	8.539522e+02	7.593215e+02
##	28331	28332	28333	28334	28335
##	7.584903e+02	8.773933e+02	6.720024e+02	7.317464e+02	7.609905e+02
##	28336	28337	28338	28339	28340
##	8.847012e+02	6.845505e+02	7.608944e+02	7.324261e+02	6.875497e+02
##	28341	28342	28343	28344	28345
##	7.440195e+02	8.524402e+02	4.350855e+02	9.079519e+02	7.805392e+02
##	28346	28347	28348	28349	28350
##	7.909189e+02	6.377447e+02	8.376114e+02	8.568283e+02	7.048059e+02
##	28351	28352	28353	28354	28355
##	1.091849e+03	4.328701e+02	6.088540e+02	7.174109e+02	8.097991e+02
##	28356	28357	28358	28359	28360
##	7.853646e+02	1.022478e+03	1.492866e+01	4.427353e+01	3.476385e+01
##	28361	28362	28363	28364	28365
##	3.836976e+01	2.506200e+01	3.551276e+02	-4.483135e+02	5.929968e+02
##	28366	28367	28368	28369	28370

##	2.558731e+02	1.065767e+03	1.032125e+03	8.528462e+02	1.047666e+03
##	28371	28372	28373	28374	28375
##	8.386016e+02	6.139981e+02	-7.201153e+02	7.044410e+02	8.817534e+02
##	28376	28377	28378	28379	28380
##	8.074037e+02	9.857473e+02	1.117241e+03	-1.445682e+02	-2.875332e+02
##	28381	28382	28383	28384	28385
##	-2.804157e+02	-3.365395e+02	-3.035887e+02	-3.257087e+02	-1.864270e+02
##	28386	28387	28388	28389	28390
##	-3.264385e+02	-1.524662e+02	-1.265651e+02	5.714879e+01	2.702344e+01
##	28391	28392	28393	28394	28395
##	6.453118e+00	-1.412941e+02	-3.366508e+02	-5.131470e+01	-1.039062e+02
##	28396	28397	28398	28399	28400
##	-1.940347e+02	-1.010808e+02	-1.207745e+02	9.930051e+02	8.088170e+02
##	28401	28402	28403	28404	28405
##	8.898965e+02	-2.298183e+02	-1.298769e+02	5.302412e+01	-5.673814e+02
##	28406	28407	28408	28409	28410
##	-5.285031e+02	-8.829001e+01	-5.967586e+02	-4.768614e+02	-4.534710e+02
##	28411	28412	28413	28414	28415
##	-4.973810e+02	-6.547258e+01	1.235162e+03	1.206763e+03	1.297376e+03
##	28416	28417	28418	28419	28420
##	-1.726446e+02	-1.762505e+02	-3.625511e+02	-2.261149e+02	1.593648e+02
##	28421	28422	28423	28424	28425
##	-3.715839e+02	6.707892e+02	-4.288027e+01	-2.940565e+02	4.893278e+02
##	28426	28427	28428	28429	28430
##	7.738855e+02	8.316987e+02	8.464223e+02	8.242493e+02	8.059597e+02
##	28431	28432	28433	28434	28435
##	7.921751e+02	8.207341e+02	8.111737e+02	9.243567e+02	8.897889e+02
##	28436	28437	28438	28439	28440
##	8.641460e+02	8.686338e+02	-3.257700e+02	1.719382e+02	3.236460e+02
##	28441	28442	28443	28444	28445
##	5.299834e+02	-1.059752e+02	1.040578e+03	1.040812e+03	1.095119e+03
##	28446	28447	28448	28449	28450
##	6.164483e+02	6.533086e+02	6.375072e+02	6.525281e+02	8.010061e+02
##	28451	28452	28453	28454	28455
##	9.696830e+02	9.907355e+02	-2.043212e+02	4.731375e+02	3.052348e+02
##	28456	28457	28458	28459	28460
##	1.654609e+02	1.038610e+03	1.002932e+03	1.057162e+03	1.098893e+03
##	28461	28462	28463	28464	28465
##	1.042912e+03	6.030483e+02	6.084144e+02	5.914954e+02	6.360337e+02
##	28466	28467	28468	28469	28470
##	3.113064e+02	-3.533840e+02	-4.783294e+02	1.253125e+03	2.683296e+02
##	28471	28472	28473	28474	28475
##	1.819031e+02	1.349624e+02	4.423394e+02	3.167529e+02	3.990419e+02
##	28476	28477	28478	28479	28480
##	4.460355e+02	4.291219e+02	-1.124656e+01	-2.918845e+01	1.543507e+01
##	28481	28482	28483	28484	28485
##	-7.769949e+01	-4.109206e+01	-1.739267e+01	-2.977313e+01	-7.783003e+02
##	28486	28487	28488	28489	28490
##	7.495555e+02	-7.551901e+02	-9.860351e+01	-1.275827e+01	1.070316e+03
##	28491	28492	28493	28494	28495
##	1.025714e+03	9.971496e+02	4.967159e+02	6.453019e+02	6.048964e+02
##	28496	28497	28498	28499	28500
##	8.869990e+02	8.373720e+02	8.076464e+02	9.663403e+02	9.035788e+02
##	28501	28502	28503	28504	28505

##	-3.585144e+02	6.966155e+02	1.365051e+03	1.402794e+03	1.350722e+03
##	28506	28507	28508	28509	28510
##	6.222042e+02	6.085818e+02	-3.956456e+02	4.459073e+02	4.440934e+02
##	28511	28512	28513	28514	28515
##	4.933584e+02	3.591146e+02	2.786084e+02	1.026725e+03	5.072180e+02
##	28516	28517	28518	28519	28520
##	6.199188e+02	1.161658e+03	5.409506e+02	3.810420e+02	6.298706e+02
##	28521	28522	28523	28524	28525
##	1.107424e+03	6.910880e+02	-4.248046e+02	-4.616807e+02	-4.383960e+02
##	28526	28527	28528	28529	28530
##	8.676969e+02	8.192312e+02	8.407967e+02	8.460614e+02	-7.502143e+01
##	28531	28532	28533	28534	28535
##	3.535246e+02	6.328450e+02	6.361926e+02	6.495058e+02	-1.153328e+01
##	28536	28537	28538	28539	28540
##	-1.638386e+03	1.863961e+02	-1.448609e+02	-2.174520e+02	-1.984988e+02
##	28541	28542	28543	28544	28545
##	-8.792425e+01	-9.753363e+01	-4.288858e+02	-1.581179e+02	-1.508693e+01
##	28546	28547	28548	28549	28550
##	-1.283903e+02	-1.628413e+02	-1.593469e+02	-1.634770e+02	-2.041105e+02
##	28551	28552	28553	28554	28555
##	5.838621e+01	1.098093e+02	2.825548e+01	9.196836e+01	2.800258e+01
##	28556	28557	28558	28559	28560
##	9.536673e+01	-1.230685e+01	1.415799e+02	1.214093e+02	1.470068e+02
##	28561	28562	28563	28564	28565
##	-6.540128e+01	1.792768e+02	1.865509e+01	-7.117519e+01	8.663753e+01
##	28566	28567	28568	28569	28570
##	-6.329434e+01	7.544276e+00	3.489177e+00	-2.050792e+02	5.086132e+01
##	28571	28572	28573	28574	28575
##	2.344121e+01	-4.853296e+01	1.068932e+02	-4.246574e+01	-5.294807e+01
##	28576	28577	28578	28579	28580
##	-3.747231e+01	1.243345e+02	-5.854820e+01	-4.034310e+01	9.811865e+01
##	28581	28582	28583	28584	28585
##	1.879582e+02	1.483178e+02	2.819433e+02	3.444519e+02	1.655352e+02
##	28586	28587	28588	28589	28590
##	-1.792965e+01	2.936883e+02	3.598482e+02	2.475205e+02	3.595953e+02
##	28591	28592	28593	28594	28595
##	3.288463e+02	1.325390e+02	2.636030e+02	2.636030e+02	1.820545e+02
##	28596	28597	28598	28599	28600
##	1.750331e+02	1.289147e+02	1.554849e+02	1.819082e+02	2.533336e+02
##	28601	28602	28603	28604	28605
##	-1.350642e+02	-1.630826e+02	-6.614963e+01	-9.831050e+01	-6.574585e+01
##	28606	28607	28608	28609	28610
##	-2.007018e+02	-1.560783e+02	-1.215689e+02	-5.604038e+01	-1.884615e+02
##	28611	28612	28613	28614	28615
##	-1.010946e+02	-7.462054e+01	-2.268669e+02	-8.479924e+01	-3.400707e+02
##	28616	28617	28618	28619	28620
##	-1.941070e+02	-4.026246e+02	-1.251164e+02	-3.387119e+02	-1.624320e+02
##	28621	28622	28623	28624	28625
##	1.176998e+02	5.643441e+02	-1.271085e+03	-1.543685e+03	-1.524570e+03
##	28626	28627	28628	28629	28630
##	-1.520868e+03	5.866245e+01	5.513001e+02	-3.888839e+02	-3.731050e+02
##	28631	28632	28633	28634	28635
##	-5.946493e+02	-1.565391e+03	-6.155096e+02	-4.359500e+02	-1.205763e+03
##	28636	28637	28638	28639	28640

##	-1.179993e+03	-1.219594e+03	-1.166276e+03	-1.133505e+03	-1.317551e+03
##	28641	28642	28643	28644	28645
##	-1.020405e+03	-9.510688e+02	-1.223666e+03	-1.185583e+03	-1.018837e+03
##	28646	28647	28648	28649	28650
##	-1.032694e+03	-1.290175e+03	-8.978421e+02	-1.117956e+03	-7.314509e+02
##	28651	28652	28653	28654	28655
##	-3.592281e+01	-1.793326e+02	-1.423427e+02	7.025815e+02	1.105811e+03
##	28656	28657	28658	28659	28660
##	7.918645e+02	1.343994e+03	1.159800e+03	9.977133e+02	4.631907e+02
##	28661	28662	28663	28664	28665
##	5.652807e+02	9.197190e+02	1.083672e+03	1.132665e+03	1.083627e+03
##	28666	28667	28668	28669	28670
##	-3.337081e+02	9.673173e+00	6.002350e+02	9.831693e+02	8.537553e+02
##	28671	28672	28673	28674	28675
##	8.959855e+02	8.233943e+02	8.744497e+02	9.160244e+02	9.191535e+02
##	28676	28677	28678	28679	28680
##	9.067172e+02	9.709110e+02	9.360621e+02	1.031163e+03	9.834571e+02
##	28681	28682	28683	28684	28685
##	1.242066e+03	1.264681e+03	1.232057e+03	1.303329e+03	7.141913e+02
##	28686	28687	28688	28689	28690
##	7.025376e+02	9.961045e+02	2.577895e+02	9.022496e+02	9.279841e+02
##	28691	28692	28693	28694	28695
##	-1.179721e+02	7.942999e+02	8.946950e+02	4.841777e+02	-3.356862e+02
##	28696	28697	28698	28699	28700
##	7.510932e+02	-2.816931e+02	6.487109e+02	-2.029541e+02	-2.622334e+02
##	28701	28702	28703	28704	28705
##	9.704889e+02	9.494020e+02	-2.172813e+02	4.879405e+02	-7.541990e+02
##	28706	28707	28708	28709	28710
##	-7.084146e+02	3.822298e+02	-2.342336e+02	5.691814e+02	3.409848e+02
##	28711	28712	28713	28714	28715
##	6.816914e+02	7.420376e+02	6.969874e+02	8.273829e+02	7.071462e+02
##	28716	28717	28718	28719	28720
##	7.204087e+02	9.553063e+02	-3.760683e+02	5.434204e+02	5.542566e+02
##	28721	28722	28723	28724	28725
##	6.867925e+02	5.259902e+02	5.184296e+02	5.454766e+02	7.028750e+02
##	28726	28727	28728	28729	28730
##	6.698281e+02	4.823785e+02	6.470107e+02	7.081487e+02	6.530105e+02
##	28731	28732	28733	28734	28735
##	7.152155e+02	5.689856e+02	6.859613e+02	6.830905e+02	6.574477e+02
##	28736	28737	28738	28739	28740
##	6.706140e+02	9.189799e+02	7.042338e+02	5.473087e+02	5.799048e+02
##	28741	28742	28743	28744	28745
##	7.383419e+02	6.289888e+02	7.075758e+02	7.453408e+02	7.140525e+02
##	28746	28747	28748	28749	28750
##	7.036155e+02	7.600527e+02	7.236582e+02	6.823100e+02	6.903531e+02
##	28751	28752	28753	28754	28755
##	6.149405e+02	5.065547e+02	5.529808e+02	7.087334e+02	7.233546e+02
##	28756	28757	28758	28759	28760
##	5.188952e+02	5.479818e+02	6.662222e+02	6.943134e+02	5.489752e+02
##	28761	28762	28763	28764	28765
##	7.035701e+02	7.149290e+02	9.457858e+02	7.310928e+02	6.027222e+02
##	28766	28767	28768	28769	28770
##	6.839217e+02	6.903984e+02	5.791189e+02	5.629857e+02	6.318048e+02
##	28771	28772	28773	28774	28775

##	6.904945e+02	8.217161e+02	7.004749e+02	7.028234e+02	-2.529331e+02
##	28776	28777	28778	28779	28780
##	7.331267e+02	1.065126e+03	9.260503e+02	8.885759e+02	-3.924838e+02
##	28781	28782	28783	28784	28785
##	8.126935e+02	4.040622e+02	5.363044e+02	6.789957e+02	7.643521e+02
##	28786	28787	28788	28789	28790
##	5.207948e+02	5.082806e+02	6.072851e+02	3.849304e+02	4.634149e+02
##	28791	28792	28793	28794	28795
##	4.498021e+02	1.006965e+03	5.541166e+02	9.469298e+02	9.033444e+02
##	28796	28797	28798	28799	28800
##	8.882728e+02	9.532143e+02	9.867635e+02	1.154649e+03	9.662893e+02
##	28801	28802	28803	28804	28805
##	1.057027e+03	1.007202e+03	9.158799e+02	3.416963e+02	8.323452e+02
##	28806	28807	28808	28809	28810
##	8.061382e+02	9.308851e+02	-4.129829e+02	1.658177e+02	9.470132e+02
##	28811	28812	28813	28814	28815
##	-2.275451e+02	3.406860e+02	1.269425e+03	1.220679e+02	-6.135364e+02
##	28816	28817	28818	28819	28820
##	2.043858e+01	1.171222e+03	1.220510e+03	1.217380e+03	1.165360e+03
##	28821	28822	28823	28824	28825
##	1.251590e+03	-2.064175e+02	-3.226389e+02	-1.277234e+02	-1.277084e+02
##	28826	28827	28828	28829	28830
##	-1.402577e+02	-2.524020e+02	-7.033272e+01	-3.376857e+02	-9.367099e+01
##	28831	28832	28833	28834	28835
##	-1.387957e+02	-3.592364e+02	-3.312580e+02	4.260027e+00	-2.058157e+02
##	28836	28837	28838	28839	28840
##	-1.079843e+02	-1.994696e+02	-1.176408e+02	-3.098987e+02	-4.096913e+01
##	28841	28842	28843	28844	28845
##	1.641617e+01	-3.915158e+02	-2.972177e+02	-1.514352e+02	-4.561519e+01
##	28846	28847	28848	28849	28850
##	-4.119901e+02	-1.568043e+02	-1.343032e+02	-1.929799e+02	-1.124668e+02
##	28851	28852	28853	28854	28855
##	-2.000973e+02	4.069025e+01	-1.805560e+01	-1.638049e+02	-1.570569e+02
##	28856	28857	28858	28859	28860
##	-3.134965e+02	-9.805811e+01	-2.339540e+02	5.434372e+02	1.229477e+03
##	28861	28862	28863	28864	28865
##	1.218512e+03	4.188989e+02	9.623146e+02	-3.395364e+02	6.598495e+02
##	28866	28867	28868	28869	28870
##	-6.352198e+02	-4.985749e+02	-6.204532e+01	-2.684655e+02	-2.647127e+01
##	28871	28872	28873	28874	28875
##	-5.265523e+00	-1.003777e+02	-5.124721e+02	-4.017148e+02	-3.972269e+02
##	28876	28877	28878	28879	28880
##	2.137078e+02	2.807950e+02	2.502699e+02	1.558534e+02	2.209704e+02
##	28881	28882	28883	28884	28885
##	-1.228633e+02	-1.742905e+03	-1.156963e+02	-3.296619e+02	9.805096e+02
##	28886	28887	28888	28889	28890
##	1.036623e+03	4.671832e+02	6.997122e+02	8.780956e+02	8.186521e+02
##	28891	28892	28893	28894	28895
##	8.428338e+02	9.067011e+02	4.243814e+02	8.712472e+02	9.060060e+02
##	28896	28897	28898	28899	28900
##	9.043489e+02	7.034142e+02	8.889639e+02	6.603300e+02	1.013511e+03
##	28901	28902	28903	28904	28905
##	4.243230e+02	7.833582e+02	8.729191e+02	2.532517e+02	3.964784e+02
##	28906	28907	28908	28909	28910

##	1.022240e+03	4.043310e+02	4.111114e+02	6.547980e+02	1.578434e+02
##	28911	28912	28913	28914	28915
##	8.643598e+02	8.786271e+02	1.008978e+03	4.451970e+02	9.973292e+02
##	28916	28917	28918	28919	28920
##	1.931007e+02	9.142296e+02	1.019415e+03	4.127231e+02	6.558422e+02
##	28921	28922	28923	28924	28925
##	5.817834e+02	7.493127e+02	6.290861e+02	5.679988e+02	1.284646e+02
##	28926	28927	28928	28929	28930
##	1.056281e+03	9.052593e+02	6.528092e+02	8.765704e+02	9.206443e+02
##	28931	28932	28933	28934	28935
##	9.046238e+02	7.098909e+02	8.860477e+02	3.782059e+02	9.110008e+02
##	28936	28937	28938	28939	28940
##	8.540189e+02	8.890319e+02	2.570706e+02	8.578157e+02	3.693429e+02
##	28941	28942	28943	28944	28945
##	2.193619e+02	9.653038e+02	9.194306e+02	1.020291e+03	2.143011e+02
##	28946	28947	28948	28949	28950
##	7.740165e+02	1.031801e+03	9.650908e+02	4.223419e+02	1.073922e+03
##	28951	28952	28953	28954	28955
##	-1.113306e+03	-8.416217e+02	-1.038761e+03	-8.090054e+02	4.260570e+02
##	28956	28957	28958	28959	28960
##	4.789409e+02	-8.648196e+02	-6.845349e+02	4.655788e+02	-7.634008e+02
##	28961	28962	28963	28964	28965
##	-5.286939e+02	-7.318452e+02	-7.097499e+02	-9.018351e+02	-8.543744e+02
##	28966	28967	28968	28969	28970
##	-8.803330e+02	-8.435225e+02	-7.652162e+02	2.636816e+02	-1.021649e+03
##	28971	28972	28973	28974	28975
##	-8.021898e+02	-8.778665e+02	1.843152e+02	-8.655595e+02	-6.723112e+02
##	28976	28977	28978	28979	28980
##	-8.345477e+02	-6.443215e+02	1.191230e+01	1.301209e+02	4.137672e+02
##	28981	28982	28983	28984	28985
##	9.556859e+02	1.027945e+03	5.546599e+02	8.983327e+02	9.709796e+02
##	28986	28987	28988	28989	28990
##	4.479421e+02	4.172052e+02	4.313469e+02	1.105315e+03	-4.089263e+02
##	28991	28992	28993	28994	28995
##	7.133055e+02	8.172753e+02	6.099451e+02	8.268411e+02	8.115845e+02
##	28996	28997	28998	28999	29000
##	6.445714e+02	7.908012e+02	6.193517e+02	6.795671e+02	8.211395e+02
##	29001	29002	29003	29004	29005
##	7.806679e+02	7.974248e+02	6.386676e+02	5.830898e+02	6.688932e+02
##	29006	29007	29008	29009	29010
##	7.767976e+02	7.169604e+02	6.758974e+02	7.001374e+02	6.588554e+02
##	29011	29012	29013	29014	29015
##	7.277640e+02	8.398791e+02	6.645570e+02	7.563791e+02	-2.185514e+02
##	29016	29017	29018	29019	29020
##	1.083419e+03	1.059978e+03	1.113758e+03	1.050418e+03	1.078886e+03
##	29021	29022	29023	29024	29025
##	1.097411e+03	1.073235e+03	1.063888e+03	1.075280e+03	1.062878e+03
##	29026	29027	29028	29029	29030
##	8.060783e+02	6.488715e+02	6.187408e+02	6.562701e+02	6.488715e+02
##	29031	29032	29033	29034	29035
##	6.291777e+02	6.665203e+02	6.761261e+02	6.797827e+02	6.576460e+02
##	29036	29037	29038	29039	29040
##	7.559344e+02	2.728077e+02	3.258573e+02	3.471174e+02	3.757271e+02
##	29041	29042	29043	29044	29045

##	3.456413e+02	4.029363e+02	4.287768e+02	3.473904e+02	-1.470418e+02
##	29046	29047	29048	29049	29050
##	5.066776e+02	3.384389e+02	5.873576e+01	4.632880e+02	6.039174e+02
##	29051	29052	29053	29054	29055
##	4.609956e+02	5.465946e+02	4.322193e+02	3.536448e+02	3.545173e+02
##	29056	29057	29058	29059	29060
##	3.640818e+02	4.903404e+02	3.193352e+02	4.170807e+02	2.524704e+02
##	29061	29062	29063	29064	29065
##	4.920046e+02	3.735914e+02	4.260264e+02	3.765076e+02	3.794291e+02
##	29066	29067	29068	29069	29070
##	3.442973e+02	2.966948e+02	5.508041e+02	5.264710e+02	1.176676e+03
##	29071	29072	29073	29074	29075
##	1.112739e+03	1.016239e+03	1.070114e+03	1.578864e+03	6.655218e+02
##	29076	29077	29078	29079	29080
##	-3.076394e+02	5.281253e+02	2.617470e+02	9.967995e+02	-2.595867e+02
##	29081	29082	29083	29084	29085
##	8.072150e+02	9.617920e+02	-2.294046e+02	-2.798939e+01	-4.179240e+01
##	29086	29087	29088	29089	29090
##	-3.086017e+01	5.738438e+00	7.636127e+01	-5.264335e+00	-2.704564e+02
##	29091	29092	29093	29094	29095
##	6.898329e+01	-1.500302e+02	-5.415446e+01	-4.844507e+02	-4.146289e+02
##	29096	29097	29098	29099	29100
##	-4.025615e+02	-4.896194e+02	-5.460113e+02	-4.178127e+02	-1.239907e+02
##	29101	29102	29103	29104	29105
##	-1.252988e+02	-2.360053e+02	-1.928080e+02	1.572267e+01	2.163181e+01
##	29106	29107	29108	29109	29110
##	3.854011e+01	1.044471e+02	-5.978061e+01	-1.016074e+02	-4.647807e+00
##	29111	29112	29113	29114	29115
##	-1.074658e+02	-9.918651e+01	7.337727e+01	-8.162715e+01	-7.792642e+01
##	29116	29117	29118	29119	29120
##	-6.929205e+01	-1.154599e+02	7.310796e+01	-8.079721e+01	-5.702749e+01
##	29121	29122	29123	29124	29125
##	1.179067e+03	7.620762e+02	6.658333e+02	-4.146350e+02	7.043088e+02
##	29126	29127	29128	29129	29130
##	9.217099e+02	9.525311e+02	9.552605e+02	-1.369091e+03	7.672853e+02
##	29131	29132	29133	29134	29135
##	3.247497e+01	7.727557e+02	1.070162e+03	1.129637e+03	6.466238e+02
##	29136	29137	29138	29139	29140
##	7.824734e+02	1.137980e+03	6.887486e+02	8.753656e+02	1.038865e+03
##	29141	29142	29143	29144	29145
##	8.873436e+02	8.942028e+02	1.100364e+03	1.020694e+03	1.113499e+03
##	29146	29147	29148	29149	29150
##	9.877882e+02	1.050038e+03	-5.517310e+02	4.309572e+02	2.831492e+02
##	29151	29152	29153	29154	29155
##	-1.625284e+03	-1.661433e+03	9.810106e+02	-5.812092e+02	1.117881e+03
##	29156	29157	29158	29159	29160
##	1.633415e+02	4.987195e+02	6.161544e+02	2.060897e+02	1.374516e+02
##	29161	29162	29163	29164	29165
##	3.191914e+02	6.525151e+01	-1.092040e+01	9.279044e+02	4.479574e+02
##	29166	29167	29168	29169	29170
##	1.099158e+03	8.290463e+02	1.089525e+03	1.268380e+03	1.098394e+03
##	29171	29172	29173	29174	29175
##	5.210668e+02	2.206102e+02	5.684039e+02	7.552160e+02	1.214861e+03
##	29176	29177	29178	29179	29180

##	1.260288e+03	1.234504e+03	1.224994e+03	1.224263e+03	1.205255e+03
##	29181	29182	29183	29184	29185
##	1.203692e+03	1.185831e+03	1.213136e+03	1.193442e+03	8.790255e+02
##	29186	29187	29188	29189	29190
##	8.951533e+02	9.007081e+02	8.818002e+02	-2.381426e+02	5.871941e+02
##	29191	29192	29193	29194	29195
##	6.041585e+02	6.255718e+02	7.201227e+02	5.597378e+02	7.041363e+02
##	29196	29197	29198	29199	29200
##	5.214016e+02	6.510214e+02	5.083482e+02	-5.817524e+02	6.327996e+02
##	29201	29202	29203	29204	29205
##	6.708112e+02	4.412936e+02	-3.589656e+02	-5.853583e+02	6.195372e+02
##	29206	29207	29208	29209	29210
##	6.076790e+02	1.141977e+03	5.032295e+02	-3.239649e+02	1.282330e+03
##	29211	29212	29213	29214	29215
##	6.839742e+02	9.927993e+02	9.286364e+02	9.104864e+02	9.413976e+02
##	29216	29217	29218	29219	29220
##	9.597833e+02	2.557889e+02	3.009560e+02	7.305860e+02	6.843728e+02
##	29221	29222	29223	29224	29225
##	7.032807e+02	7.077632e+02	5.795285e+02	6.614631e+02	5.453639e+02
##	29226	29227	29228	29229	29230
##	6.234851e+02	-2.509499e+02	1.139072e+03	-2.305581e+02	8.768043e+02
##	29231	29232	29233	29234	29235
##	9.120583e+02	1.219223e+03	-3.418422e+02	7.999820e+02	1.267296e+03
##	29236	29237	29238	29239	29240
##	-2.844529e+02	6.371452e+02	9.825379e+01	7.725630e+02	9.597337e+02
##	29241	29242	29243	29244	29245
##	9.169600e+02	9.297061e+02	8.062611e+02	6.985379e+02	8.377194e+02
##	29246	29247	29248	29249	29250
##	5.199547e+02	9.893622e+02	-2.453604e+02	5.289313e+02	5.534183e+02
##	29251	29252	29253	29254	29255
##	1.047038e+03	3.537459e+02	1.191501e+03	1.128947e+03	7.106297e+02
##	29256	29257	29258	29259	29260
##	7.435288e+02	-1.106239e+01	-1.129140e+02	-1.421381e+02	2.852355e+02
##	29261	29262	29263	29264	29265
##	3.342157e+02	3.491298e+02	2.924796e+02	-5.122339e+01	-2.330562e+01
##	29266	29267	29268	29269	29270
##	-8.339008e+01	-6.975173e+01	-1.056901e+02	-9.539460e+01	-1.036793e+02
##	29271	29272	29273	29274	29275
##	3.123107e+00	-1.291092e+02	-3.049343e+02	3.716903e+02	2.684048e+00
##	29276	29277	29278	29279	29280
##	-3.577254e+01	-2.924511e+01	-8.156323e+01	3.285608e+01	-5.712872e+01
##	29281	29282	29283	29284	29285
##	4.643406e+02	4.977173e+02	5.724629e+02	6.319877e+02	2.098116e+02
##	29286	29287	29288	29289	29290
##	2.221500e+02	4.943161e+02	-1.168516e+03	-1.160899e+03	-1.177813e+03
##	29291	29292	29293	29294	29295
##	-1.185921e+03	-1.184562e+03	-1.186224e+03	-1.163305e+03	-1.162525e+03
##	29296	29297	29298	29299	29300
##	-1.152970e+03	-1.182219e+03	-6.777714e+02	-6.505829e+02	-6.703674e+02
##	29301	29302	29303	29304	29305
##	-6.472181e+02	-6.740694e+02	-6.452067e+02	-6.446338e+02	-6.436404e+02
##	29306	29307	29308	29309	29310
##	3.616825e+02	3.520053e+02	3.997848e+02	3.256934e+02	-8.177006e+02
##	29311	29312	29313	29314	29315

##	1.331594e+02	4.668748e+01	1.243848e+02	1.150773e+02	1.993152e+02
##	29316	29317	29318	29319	29320
##	1.793231e+02	1.435416e+02	8.635611e+01	1.500236e+02	1.773743e+02
##	29321	29322	29323	29324	29325
##	2.035447e+02	1.272008e+02	1.357274e+01	2.708805e+01	1.475294e+01
##	29326	29327	29328	29329	29330
##	-7.396738e+00	1.745035e+02	1.911643e+02	-1.254698e+01	5.219159e+01
##	29331	29332	29333	29334	29335
##	6.696885e+00	-1.139109e+02	2.018117e+00	2.136217e+02	2.766636e+01
##	29336	29337	29338	29339	29340
##	1.440396e+01	-2.048824e+02	4.787130e+01	7.482743e+00	4.057097e+02
##	29341	29342	29343	29344	29345
##	2.594345e+02	2.607879e+02	4.242405e+02	3.861103e+02	3.114382e+02
##	29346	29347	29348	29349	29350
##	3.921102e+02	4.002039e+02	3.599399e+02	4.038606e+02	3.508617e+02
##	29351	29352	29353	29354	29355
##	3.275166e+02	1.671932e+02	3.576474e+02	2.367114e+02	3.672078e+02
##	29356	29357	29358	29359	29360
##	3.410320e+02	1.430039e+02	2.411939e+02	2.544055e+02	3.123108e+02
##	29361	29362	29363	29364	29365
##	2.990483e+02	1.753817e+02	2.831321e+02	2.572763e+02	2.113214e+02
##	29366	29367	29368	29369	29370
##	2.684938e+02	4.054723e+02	7.763037e+01	3.257354e+02	3.651175e+02
##	29371	29372	29373	29374	29375
##	1.275397e+02	1.787120e+02	-5.988649e+01	-5.792447e+00	-1.167000e+02
##	29376	29377	29378	29379	29380
##	-1.299625e+02	4.211910e+01	-1.805607e+01	-1.263565e+02	-1.195708e+02
##	29381	29382	29383	29384	29385
##	-1.328332e+02	-1.704121e+02	3.954321e+00	-1.568870e+01	-1.166327e+02
##	29386	29387	29388	29389	29390
##	-7.777275e+01	-1.057862e+02	-1.587344e+02	-1.593527e+02	-1.182120e+02
##	29391	29392	29393	29394	29395
##	-1.548195e+02	-1.982072e+02	-1.774240e+02	-2.914136e+02	-2.880660e+02
##	29396	29397	29398	29399	29400
##	-7.681709e+01	2.809757e+02	2.470976e+02	-9.621279e+01	1.255178e+03
##	29401	29402	29403	29404	29405
##	1.142939e+03	2.433154e+02	8.092377e+02	8.423539e+02	8.408873e+02
##	29406	29407	29408	29409	29410
##	7.975449e+02	8.505141e+02	1.333907e+03	2.125442e+02	2.021073e+02
##	29411	29412	29413	29414	29415
##	2.937224e+02	3.423003e+02	2.652033e+02	2.578842e+02	-2.774341e+02
##	29416	29417	29418	29419	29420
##	-1.225572e+02	2.579278e+02	4.408642e+01	8.084487e+01	-1.022052e+02
##	29421	29422	29423	29424	29425
##	3.004353e+01	5.677094e+02	2.652357e+02	1.011743e+02	-1.118292e+02
##	29426	29427	29428	29429	29430
##	3.425810e+01	4.020645e+02	-9.093409e+01	-2.620729e+02	-9.520116e+01
##	29431	29432	29433	29434	29435
##	-6.971885e+01	2.818641e+02	3.735145e+01	-8.946449e+00	-3.054153e+02
##	29436	29437	29438	29439	29440
##	2.328696e+02	-4.276217e+01	1.320192e+02	3.753804e+01	1.201631e+03
##	29441	29442	29443	29444	29445
##	7.891567e+02	3.638890e+02	6.267882e+02	4.405683e+02	-3.575251e+03
##	29446	29447	29448	29449	29450

##	5.136848e+02	8.841455e+02	8.729227e+02	1.129935e+03	2.100376e+02
##	29451	29452	29453	29454	29455
##	1.999042e+02	1.638698e+02	9.680248e+02	-1.413686e+03	-1.669437e+03
##	29456	29457	29458	29459	29460
##	7.930498e+02	1.240411e+03	7.365745e+02	1.295941e+03	1.009848e+03
##	29461	29462	29463	29464	29465
##	7.258892e+02	1.003459e+03	6.249959e+02	7.954474e+02	3.509958e+02
##	29466	29467	29468	29469	29470
##	6.920111e+02	7.759212e+02	7.478808e+02	5.839837e+02	2.241999e+02
##	29471	29472	29473	29474	29475
##	7.550211e+02	7.017129e+02	7.126775e+02	7.207830e+02	2.646846e+02
##	29476	29477	29478	29479	29480
##	5.861360e+02	6.109530e+02	1.001796e+03	3.190423e+02	6.422414e+02
##	29481	29482	29483	29484	29485
##	7.478300e+02	7.089248e+02	7.449593e+02	6.964810e+02	2.013318e+02
##	29486	29487	29488	29489	29490
##	7.177500e+02	2.896372e+02	7.545650e+02	6.517977e+02	4.720996e+02
##	29491	29492	29493	29494	29495
##	7.525762e+02	1.013541e+03	7.221872e+02	7.509137e+02	7.789995e+02
##	29496	29497	29498	29499	29500
##	7.723606e+02	7.661025e+02	5.830748e+02	6.538002e+02	7.382696e+02
##	29501	29502	29503	29504	29505
##	7.881395e+02	7.626588e+02	2.042097e+02	6.556035e+02	2.750762e+02
##	29506	29507	29508	29509	29510
##	2.460801e+02	7.692316e+02	7.297534e+02	7.692316e+02	6.672035e+02
##	29511	29512	29513	29514	29515
##	7.073131e+02	3.070713e+02	7.280909e+02	7.560199e+02	6.859705e+02
##	29516	29517	29518	29519	29520
##	2.380640e+02	4.049511e+02	-5.140360e+02	-3.479441e+02	2.267699e+02
##	29521	29522	29523	29524	29525
##	2.291638e+02	2.267198e+02	2.474316e+02	2.076846e+02	1.954326e+02
##	29526	29527	29528	29529	29530
##	2.418426e+02	2.579875e+02	9.476964e+02	9.424824e+02	-2.858976e+02
##	29531	29532	29533	29534	29535
##	6.666671e+02	1.343499e+03	1.243453e+03	7.925561e+02	6.556504e+02
##	29536	29537	29538	29539	29540
##	4.601707e+02	-1.243444e+02	5.124439e+02	9.533222e+02	7.062259e+02
##	29541	29542	29543	29544	29545
##	1.212095e+03	6.133844e+02	-4.652259e+02	-2.126462e+02	3.374965e+02
##	29546	29547	29548	29549	29550
##	3.324293e+02	6.940748e+02	6.282858e+02	-9.085364e+02	9.171415e+02
##	29551	29552	29553	29554	29555
##	9.099786e+02	9.842981e+02	9.791698e+02	1.039626e+03	-3.771816e+01
##	29556	29557	29558	29559	29560
##	-8.413890e+01	-1.251781e+02	1.555530e+02	-4.154190e+01	2.666827e+01
##	29561	29562	29563	29564	29565
##	1.905672e+01	3.780749e+02	8.930891e+02	1.201736e+03	3.439930e+02
##	29566	29567	29568	29569	29570
##	3.445660e+02	7.416720e+02	4.457403e+02	5.463072e+02	3.415330e+02
##	29571	29572	29573	29574	29575
##	6.646738e+02	6.478678e+02	3.944304e+02	3.180411e+02	5.432688e+02
##	29576	29577	29578	29579	29580
##	7.520129e+02	5.640715e+02	6.309093e+02	5.538226e+02	6.148084e+02
##	29581	29582	29583	29584	29585

##	5.779427e+02	5.707363e+02	4.272549e+02	4.515934e+02	1.312596e+03
##	29586	29587	29588	29589	29590
##	-3.051039e+02	1.292940e+03	1.310979e+02	3.071184e+02	5.078849e+02
##	29591	29592	29593	29594	29595
##	2.565518e+02	2.565518e+02	1.147983e+01	4.922748e+01	1.569213e+02
##	29596	29597	29598	29599	29600
##	8.690614e+02	9.739669e+02	7.728151e+02	7.381331e+02	7.265331e+02
##	29601	29602	29603	29604	29605
##	7.302846e+02	1.001609e+03	8.651519e+02	7.834596e+02	8.198153e+02
##	29606	29607	29608	29609	29610
##	9.305766e+02	8.313645e+02	9.373636e+02	7.893115e+02	9.000299e+02
##	29611	29612	29613	29614	29615
##	4.966900e+02	-5.578788e-01	3.519193e+02	4.127655e+02	3.624070e+02
##	29616	29617	29618	29619	29620
##	-9.074224e+02	-9.221008e+02	-1.781716e+03	-1.739638e+03	-1.277433e+03
##	29621	29622	29623	29624	29625
##	5.663823e+02	-2.513613e+03	-4.866696e+02	-1.304178e+01	1.091833e+02
##	29626	29627	29628	29629	29630
##	-6.595374e+02	-1.977190e+03	-9.242175e+02	-1.479868e+03	7.183356e+02
##	29631	29632	29633	29634	29635
##	-6.465246e+02	3.995226e+02	2.034467e+02	-1.096108e+03	2.812205e+02
##	29636	29637	29638	29639	29640
##	-7.418154e+02	-1.400464e+02	-5.968615e+02	-4.999980e+02	-1.137684e+03
##	29641	29642	29643	29644	29645
##	8.652480e+02	7.186130e+02	7.473732e+02	6.838638e+02	9.539241e+02
##	29646	29647	29648	29649	29650
##	8.582319e+02	7.378299e+02	8.498953e+02	9.114158e+02	7.826218e+02
##	29651	29652	29653	29654	29655
##	8.937109e+02	9.938735e+02	8.880201e+02	8.904695e+02	8.152821e+02
##	29656	29657	29658	29659	29660
##	6.737474e+02	8.971425e+02	9.305766e+02	1.002491e+03	1.003956e+03
##	29661	29662	29663	29664	29665
##	7.313532e+02	9.130729e+02	8.214335e+02	8.550639e+02	8.265049e+02
##	29666	29667	29668	29669	29670
##	9.386197e+02	9.309420e+02	8.162543e+02	7.872859e+02	7.680748e+02
##	29671	29672	29673	29674	29675
##	9.853520e+02	1.004311e+03	9.692923e+02	1.060384e+03	1.282168e+03
##	29676	29677	29678	29679	29680
##	1.026688e+03	1.096169e+03	8.829437e+02	4.536082e+02	-5.207256e+02
##	29681	29682	29683	29684	29685
##	1.246868e+03	2.753548e+02	5.372797e+02	-6.870641e+01	5.684397e+02
##	29686	29687	29688	29689	29690
##	1.148394e+03	3.840596e+02	4.906441e+02	4.692879e+02	4.596821e+02
##	29691	29692	29693	29694	29695
##	6.460461e+02	9.782340e+02	1.106146e+03	9.252351e+02	4.120289e+02
##	29696	29697	29698	29699	29700
##	9.917775e+02	7.571438e+02	6.922139e+02	5.067244e+02	1.140805e+03
##	29701	29702	29703	29704	29705
##	1.082211e+03	7.255971e+02	6.693457e+02	6.384986e+02	1.005366e+03
##	29706	29707	29708	29709	29710
##	9.472590e+02	8.734387e+02	1.097417e+03	1.008269e+03	6.135721e+02
##	29711	29712	29713	29714	29715
##	1.072651e+03	7.644517e+02	3.290726e+02	1.026437e+03	4.950171e+02
##	29716	29717	29718	29719	29720

##	7.651207e+02	1.111460e+03	1.052080e+03	1.026341e+03	7.990649e+02
##	29721	29722	29723	29724	29725
##	6.598361e+02	2.967909e+02	1.027305e+03	5.574254e+02	5.148635e+02
##	29726	29727	29728	29729	29730
##	5.404121e+02	6.437936e+02	1.112033e+03	9.114375e+02	3.671803e+02
##	29731	29732	29733	29734	29735
##	6.340971e+02	5.484097e+02	9.216162e+02	6.430119e+02	8.100484e+02
##	29736	29737	29738	29739	29740
##	1.171762e+03	1.182199e+03	1.108681e+03	1.165235e+03	1.124718e+03
##	29741	29742	29743	29744	29745
##	6.891765e+02	7.364792e+02	7.372143e+02	7.135657e+02	7.409163e+02
##	29746	29747	29748	29749	29750
##	6.834803e+02	-1.249899e+03	-2.464429e+00	1.229599e+02	7.560286e+02
##	29751	29752	29753	29754	29755
##	9.785944e+02	1.879229e+02	-1.314820e+02	-4.895391e+01	3.500845e+01
##	29756	29757	29758	29759	29760
##	3.505380e+01	9.386038e+01	2.691468e+01	1.525742e+02	-1.557557e+03
##	29761	29762	29763	29764	29765
##	-1.440113e+02	-2.020148e+02	-2.389259e+02	-5.856505e+01	3.220810e+01
##	29766	29767	29768	29769	29770
##	-2.229565e+01	-1.463283e+00	-4.913906e+01	4.109864e+01	-7.730373e+01
##	29771	29772	29773	29774	29775
##	2.275831e+01	3.231871e+01	-5.196449e+01	4.840655e+01	-1.250509e+02
##	29776	29777	29778	29779	29780
##	8.667103e+01	-1.227818e+02	-1.258148e+02	-4.387072e+01	-2.609100e+02
##	29781	29782	29783	29784	29785
##	-1.089464e+02	1.876153e+02	1.819698e+02	2.611338e+02	1.232841e+02
##	29786	29787	29788	29789	29790
##	1.886541e+02	2.120952e+02	2.187394e+02	8.891207e+01	2.289689e+02
##	29791	29792	29793	29794	29795
##	1.562762e+02	1.790990e+02	3.163823e+01	1.622307e+02	2.968937e+01
##	29796	29797	29798	29799	29800
##	7.595330e+01	1.137650e+02	2.023987e+02	1.762736e+02	1.802202e+01
##	29801	29802	29803	29804	29805
##	1.730992e+02	4.665378e+01	4.665378e+01	3.128443e+01	5.308513e+01
##	29806	29807	29808	29809	29810
##	1.900129e+02	2.744226e+01	5.641561e+00	-1.942924e+02	6.687512e+01
##	29811	29812	29813	29814	29815
##	8.399634e+01	1.806654e+02	1.548096e+02	3.109352e+01	3.187938e+01
##	29816	29817	29818	29819	29820
##	1.223636e+01	3.937820e+01	-1.902616e+00	-2.595043e+01	7.522179e+01
##	29821	29822	29823	29824	29825
##	5.757299e+01	7.233593e+02	-2.505595e+02	4.286107e+01	1.263423e+03
##	29826	29827	29828	29829	29830
##	1.035424e+03	9.155919e+02	2.446164e+02	-3.691088e+02	4.936841e+00
##	29831	29832	29833	29834	29835
##	1.283187e+03	1.342397e+03	1.075513e+03	3.001701e+02	5.534176e+02
##	29836	29837	29838	29839	29840
##	8.913592e+02	1.025846e+03	6.258971e+02	7.888221e+02	8.254749e+02
##	29841	29842	29843	29844	29845
##	8.282496e+02	6.485901e+02	6.488483e+02	7.857891e+02	7.197955e+02
##	29846	29847	29848	29849	29850
##	7.190097e+02	8.375571e+02	6.986805e+02	6.912765e+02	8.570269e+02
##	29851	29852	29853	29854	29855

##	6.733694e+02	7.949952e+02	6.325530e+02	6.914049e+02	7.575434e+02
##	29856	29857	29858	29859	29860
##	8.384283e+02	9.191391e+02	5.995568e+02	7.942600e+02	7.234468e+02
##	29861	29862	29863	29864	29865
##	8.545161e+02	8.167738e+02	8.187399e+02	6.919832e+02	6.934445e+02
##	29866	29867	29868	29869	29870
##	7.169701e+02	8.106008e+02	5.283815e+02	8.143028e+02	6.946748e+02
##	29871	29872	29873	29874	29875
##	6.444112e+02	7.764644e+02	8.206888e+02	8.567686e+02	8.406354e+02
##	29876	29877	29878	29879	29880
##	7.453252e+02	8.062633e+02	6.613249e+02	7.761326e+02	6.201843e+02
##	29881	29882	29883	29884	29885
##	5.981980e+02	7.158729e+02	7.854347e+02	8.556056e+02	9.197067e+02
##	29886	29887	29888	29889	29890
##	9.111450e+02	8.339965e+02	7.329014e+02	7.643876e+02	6.463547e+02
##	29891	29892	29893	29894	29895
##	9.461861e+02	8.347770e+02	6.620730e+02	8.114320e+02	7.298781e+02
##	29896	29897	29898	29899	29900
##	7.163347e+02	8.136448e+02	7.431859e+02	7.870972e+02	6.742329e+02
##	29901	29902	29903	29904	29905
##	1.197794e+03	3.131336e+02	-2.118476e+02	6.023537e+02	7.085384e+02
##	29906	29907	29908	29909	29910
##	7.189247e+02	7.351086e+02	7.878344e+02	7.175612e+02	-1.158365e+02
##	29911	29912	29913	29914	29915
##	1.260050e+02	1.494344e+03	-5.025614e+02	1.009855e+03	1.183564e+03
##	29916	29917	29918	29919	29920
##	1.180824e+03	1.254201e+03	1.218898e+03	8.092164e+02	8.958608e+02
##	29921	29922	29923	29924	29925
##	9.561676e+02	1.064959e+03	1.058224e+03	1.247253e+03	1.271687e+03
##	29926	29927	29928	29929	29930
##	1.223127e+03	6.051833e+02	6.916842e+02	-2.928848e+03	-3.301305e+03
##	29931	29932	29933	29934	29935
##	3.639235e+02	6.960262e+02	3.169775e+02	4.250733e+02	3.054041e+02
##	29936	29937	29938	29939	29940
##	2.687209e+02	9.808883e+01	4.143866e+01	8.112442e+01	1.140947e+03
##	29941	29942	29943	29944	29945
##	-2.549669e+02	-4.368427e+01	-3.704622e+02	-3.630298e+03	1.984480e+02
##	29946	29947	29948	29949	29950
##	-1.647716e+03	-1.464093e+02	-1.290959e+02	-1.219333e+03	-1.093206e+03
##	29951	29952	29953	29954	29955
##	-1.203969e+03	-1.084286e+03	-1.239758e+03	-1.412959e+03	-1.382043e+03
##	29956	29957	29958	29959	29960
##	-1.589165e+02	6.844034e+02	-1.018989e+03	-1.218657e+03	-1.202620e+03
##	29961	29962	29963	29964	29965
##	-1.856780e+02	-1.687590e+02	-7.336959e+02	-9.331235e+02	-7.460690e+02
##	29966	29967	29968	29969	29970
##	-7.763165e+02	-1.079902e+03	-7.514416e+02	-8.148467e+02	-7.681513e+02
##	29971	29972	29973	29974	29975
##	1.224462e+03	3.617187e+02	3.383791e+02	3.631907e+02	3.809356e+02
##	29976	29977	29978	29979	29980
##	7.518871e+02	7.612853e+02	7.921965e+02	7.301201e+02	9.416875e+02
##	29981	29982	29983	29984	29985
##	-6.594688e+02	1.268428e+03	2.627698e+02	2.649715e+02	2.656406e+02
##	29986	29987	29988	29989	29990

##	7.104421e+02	9.564141e+02	9.724966e+02	1.054222e+03	9.660706e+02
##	29991	29992	29993	29994	29995
##	9.856629e+02	9.704080e+02	9.821176e+01	-1.479983e+02	1.122697e+02
##	29996	29997	29998	29999	30000
##	-1.359271e+02	2.583579e+01	-7.778797e+01	2.083938e+02	3.527385e+01
##	30001	30002	30003	30004	30005
##	-8.082095e+01	1.248630e+02	1.028562e+02	1.108655e+02	1.425590e+02
##	30006	30007	30008	30009	30010
##	8.994245e+01	-1.869556e+02	1.787758e+01	3.558675e+01	7.109076e+02
##	30011	30012	30013	30014	30015
##	1.268863e+03	6.084536e+02	4.387710e+02	1.159333e+03	2.493321e+02
##	30016	30017	30018	30019	30020
##	3.789212e+02	4.331686e+02	-6.897084e+00	8.827667e+02	7.585090e+02
##	30021	30022	30023	30024	30025
##	6.878092e+02	7.957846e+02	1.009187e+03	1.107832e+03	1.144547e+03
##	30026	30027	30028	30029	30030
##	2.934250e+02	7.432124e+02	7.183554e+02	6.179888e+02	1.148088e+03
##	30031	30032	30033	30034	30035
##	3.178995e+02	-2.638405e+02	1.094256e+02	5.871478e+02	1.240062e+03
##	30036	30037	30038	30039	30040
##	2.128344e+02	-3.320907e+02	-3.518298e+02	1.431742e+03	9.634756e+02
##	30041	30042	30043	30044	30045
##	6.687416e+02	6.434552e+02	1.138587e+03	7.585827e+02	-8.835915e+02
##	30046	30047	30048	30049	30050
##	3.692113e+02	3.824100e+02	3.676432e+02	3.490010e+02	3.396976e+02
##	30051	30052	30053	30054	30055
##	3.765587e+02	4.721272e+02	3.293734e+02	3.973025e+02	3.271716e+02
##	30056	30057	30058	30059	30060
##	3.985562e+02	3.557867e+02	3.720637e+02	5.097396e+02	4.382981e+02
##	30061	30062	30063	30064	30065
##	2.879192e+02	1.025755e+03	6.875730e+02	9.141938e+02	1.110703e+03
##	30066	30067	30068	30069	30070
##	1.288647e+03	-1.434321e+03	4.925859e+02	4.596805e+02	3.639051e+02
##	30071	30072	30073	30074	30075
##	2.392913e+02	-9.411591e+02	-2.655392e+01	-3.438942e+01	9.506822e+01
##	30076	30077	30078	30079	30080
##	-1.625663e+01	-5.796038e+01	-1.470092e+03	7.356442e+01	1.214939e+01
##	30081	30082	30083	30084	30085
##	-1.113018e+00	1.380618e+02	3.978648e+01	1.475108e+02	2.748288e+02
##	30086	30087	30088	30089	30090
##	2.903212e+02	2.461476e+02	1.716831e+02	2.674984e+02	1.767892e+02
##	30091	30092	30093	30094	30095
##	1.231720e+02	1.663428e+02	1.343895e+02	2.319805e+02	3.439692e+01
##	30096	30097	30098	30099	30100
##	1.037366e+02	2.345983e+02	2.610217e+02	1.883290e+02	2.121960e+02
##	30101	30102	30103	30104	30105
##	2.076964e+02	1.388320e+02	7.421110e+01	9.861328e+01	1.028375e+02
##	30106	30107	30108	30109	30110
##	1.154816e+02	2.897005e+02	3.073511e+02	3.235332e+02	4.057809e+02
##	30111	30112	30113	30114	30115
##	3.198766e+02	4.401489e+02	3.903167e+02	4.545518e+02	4.444692e+02
##	30116	30117	30118	30119	30120
##	2.714616e+02	4.317344e+02	2.979357e+02	4.252577e+02	3.987329e+02
##	30121	30122	30123	30124	30125

##	3.772672e+02	4.018166e+02	3.821228e+02	4.486027e+02	4.091245e+02
##	30126	30127	30128	30129	30130
##	2.753258e+02	4.288636e+02	3.279703e+02	4.223869e+02	2.826791e+02
##	30131	30132	30133	30134	30135
##	4.854684e+02	2.820608e+02	3.069501e+02	3.023275e+02	2.995474e+02
##	30136	30137	30138	30139	30140
##	3.450969e+02	2.628493e+02	3.326658e+02	2.870709e+02	2.605968e+02
##	30141	30142	30143	30144	30145
##	3.003333e+02	2.790993e+02	2.467161e+02	2.820478e+02	3.106741e+02
##	30146	30147	30148	30149	30150
##	8.259167e+01	7.823519e+00	5.213321e+01	-3.659118e+01	-2.408229e+01
##	30151	30152	30153	30154	30155
##	-6.156629e+01	-1.972286e+01	-3.272699e+01	-3.368806e+01	-2.146036e+03
##	30156	30157	30158	30159	30160
##	-2.502709e+03	-3.763597e+01	4.797347e+02	6.121505e+02	7.495305e+02
##	30161	30162	30163	30164	30165
##	5.622860e+02	7.545985e+02	5.526295e+02	7.495305e+02	1.387156e+03
##	30166	30167	30168	30169	30170
##	5.651568e+02	6.769447e+02	1.186874e+03	1.219158e+03	1.248794e+03
##	30171	30172	30173	30174	30175
##	1.027011e+03	5.894483e+02	1.285904e+03	9.253173e+02	8.630234e+02
##	30176	30177	30178	30179	30180
##	7.213956e+02	1.365832e+03	3.411260e+02	7.102905e+02	-1.273057e+03
##	30181	30182	30183	30184	30185
##	2.310414e+02	1.298466e+03	8.740974e+02	9.700886e+02	9.862218e+02
##	30186	30187	30188	30189	30190
##	1.020377e+01	9.631705e+02	1.310681e+02	9.178703e+02	1.106836e+03
##	30191	30192	30193	30194	30195
##	5.797849e+02	5.941730e+02	6.760960e+02	4.622536e+02	4.518620e+02
##	30196	30197	30198	30199	30200
##	7.500011e+02	4.737404e+02	6.758590e+02	7.776172e+02	4.687303e+02
##	30201	30202	30203	30204	30205
##	4.409482e+02	-8.347544e+02	9.381115e+02	-4.484145e+02	1.093056e+03
##	30206	30207	30208	30209	30210
##	-5.428478e+02	3.030916e+02	2.771764e+02	4.755340e+02	8.295393e+02
##	30211	30212	30213	30214	30215
##	7.773209e+02	7.933091e+02	7.833208e+02	6.808648e+02	7.394054e+02
##	30216	30217	30218	30219	30220
##	7.108958e+02	7.965324e+02	7.591445e+02	8.089636e+02	6.515940e+02
##	30221	30222	30223	30224	30225
##	7.055650e+02	6.895279e+02	6.785633e+02	8.317865e+02	6.793492e+02
##	30226	30227	30228	30229	30230
##	8.574801e+02	6.830005e+02	7.855561e+02	6.638343e+02	8.272361e+02
##	30231	30232	30233	30234	30235
##	8.221807e+02	7.745462e+02	8.374827e+02	8.597101e+02	8.222314e+02
##	30236	30237	30238	30239	30240
##	8.210177e+02	7.965832e+02	8.286574e+02	7.796695e+02	8.052952e+02
##	30241	30242	30243	30244	30245
##	8.953572e+02	8.168952e+02	1.059228e+03	8.139737e+02	1.014380e+03
##	30246	30247	30248	30249	30250
##	1.079460e+03	8.315183e+02	1.029461e+03	8.217438e+02	8.704734e+02
##	30251	30252	30253	30254	30255
##	9.340997e+02	8.866568e+02	1.355580e+03	4.701260e+02	1.012793e+03
##	30256	30257	30258	30259	30260

##	1.264869e+03	1.220571e+03	8.616374e+02	1.322178e+03	5.198421e+02
##	30261	30262	30263	30264	30265
##	1.396119e+03	5.331275e+02	5.311840e+02	9.812304e+02	1.028270e+03
##	30266	30267	30268	30269	30270
##	1.381664e+02	1.105619e+03	2.961615e+02	4.594922e+02	5.034583e+02
##	30271	30272	30273	30274	30275
##	-1.036818e+03	-7.119498e+02	-8.183909e+02	-5.761309e+02	-5.405084e+02
##	30276	30277	30278	30279	30280
##	-3.045280e+02	-2.820113e+02	-9.081946e+02	-8.743165e+02	-9.298318e+02
##	30281	30282	30283	30284	30285
##	-3.656250e+02	-1.153947e+03	-1.169317e+03	-9.412547e+02	-8.410416e+02
##	30286	30287	30288	30289	30290
##	-1.065506e+03	-9.715605e+02	-4.097250e+02	-8.102286e+02	-6.193211e+02
##	30291	30292	30293	30294	30295
##	-2.968472e+02	-1.042826e+03	-1.093737e+03	-7.134106e+02	-1.080321e+03
##	30296	30297	30298	30299	30300
##	-4.796097e+02	-8.634137e+02	-8.989583e+02	-7.042628e+02	-8.906572e+02
##	30301	30302	30303	30304	30305
##	4.377589e+02	4.224349e+02	4.322536e+02	4.079695e+02	9.676772e+02
##	30306	30307	30308	30309	30310
##	7.060336e+02	5.972158e+02	1.079462e+02	9.020738e+02	7.951387e+02
##	30311	30312	30313	30314	30315
##	7.807186e+02	1.040452e+03	9.021330e+02	8.858376e+02	-1.435188e+03
##	30316	30317	30318	30319	30320
##	8.994354e+02	9.668025e+02	8.545688e+02	9.118666e+02	9.955697e+02
##	30321	30322	30323	30324	30325
##	8.398925e+02	9.010419e+02	9.824707e+02	8.728540e+02	1.078509e+03
##	30326	30327	30328	30329	30330
##	8.274318e+02	9.555850e+02	8.460079e+02	8.626687e+02	1.058355e+03
##	30331	30332	30333	30334	30335
##	9.236117e+02	-2.049623e+02	1.408569e+01	3.715539e+02	-1.142028e+03
##	30336	30337	30338	30339	30340
##	1.536033e+02	1.149621e+02	1.502027e+01	8.474067e+01	1.520316e+02
##	30341	30342	30343	30344	30345
##	-3.485128e+03	-3.416566e+03	1.232350e+03	1.119548e+03	1.242597e+03
##	30346	30347	30348	30349	30350
##	1.177480e+03	1.132538e+03	1.312393e+03	9.355088e+02	7.757896e+02
##	30351	30352	30353	30354	30355
##	7.017195e+02	1.252781e+03	1.330870e+03	3.565454e+02	2.145892e+02
##	30356	30357	30358	30359	30360
##	2.762040e+02	1.388450e+03	1.438734e+03	9.377463e+02	8.828716e+02
##	30361	30362	30363	30364	30365
##	7.136086e+01	6.384540e+01	8.983168e+01	-1.338316e+02	-9.831931e+01
##	30366	30367	30368	30369	30370
##	-1.437251e+02	-1.429715e+02	-5.374777e+00	1.061160e+01	3.989829e+01
##	30371	30372	30373	30374	30375
##	2.221639e+02	1.914149e+02	8.383741e+01	-7.486285e+01	-2.904778e+02
##	30376	30377	30378	30379	30380
##	-4.399491e+02	-1.771373e+02	8.970514e+02	2.027891e+02	1.155945e+03
##	30381	30382	30383	30384	30385
##	1.108096e+03	6.455498e+02	6.904425e+02	4.887416e+02	1.215982e+03
##	30386	30387	30388	30389	30390
##	1.216027e+03	1.269549e+03	7.541743e+02	7.916129e+02	7.907764e+02
##	30391	30392	30393	30394	30395

##	7.805977e+02	8.084813e+02	7.541743e+02	7.483159e+02	7.615329e+02
##	30396	30397	30398	30399	30400
##	1.174542e+03	9.995858e+02	1.049596e+03	7.048365e+02	1.167521e+03
##	30401	30402	30403	30404	30405
##	6.242045e+02	5.928654e+02	1.190293e+03	1.031801e+03	1.185025e+03
##	30406	30407	30408	30409	30410
##	6.954890e+02	1.037660e+03	1.071700e+03	9.858373e+02	1.842902e+02
##	30411	30412	30413	30414	30415
##	7.304793e+02	1.019274e+03	1.040485e+03	1.134278e+03	1.148417e+03
##	30416	30417	30418	30419	30420
##	1.101946e+03	1.026840e+03	7.362263e+02	1.121892e+03	1.014251e+03
##	30421	30422	30423	30424	30425
##	1.092644e+03	5.398499e+02	7.143969e+02	6.140258e+02	1.114522e+03
##	30426	30427	30428	30429	30430
##	1.161583e+03	6.264570e+02	9.633478e+02	1.135778e+03	1.119645e+03
##	30431	30432	30433	30434	30435
##	5.208967e+02	1.085812e+03	1.145333e+03	1.226409e+03	7.239519e+02
##	30436	30437	30438	30439	30440
##	5.575494e+02	1.176458e+03	1.161634e+03	7.416061e+02	1.066297e+03
##	30441	30442	30443	30444	30445
##	1.184193e+03	9.717399e+02	5.912537e+02	1.106684e+03	1.105374e+03
##	30446	30447	30448	30449	30450
##	-8.000949e+02	1.190096e+03	1.263913e+03	1.298240e+03	-2.374860e+03
##	30451	30452	30453	30454	30455
##	-3.242591e+02	8.448139e+02	8.276873e+02	4.891220e+02	7.267900e+02
##	30456	30457	30458	30459	30460
##	8.124814e+02	7.143629e+02	4.192444e+02	-8.114009e+01	7.150910e+02
##	30461	30462	30463	30464	30465
##	1.126467e+03	3.363799e+02	1.985019e+02	-1.222326e+03	3.339287e+00
##	30466	30467	30468	30469	30470
##	2.066451e+02	2.833168e+02	8.051442e+01	4.839485e+01	1.342938e+02
##	30471	30472	30473	30474	30475
##	5.429862e+01	-8.153223e+02	9.345232e+01	1.616064e+02	1.632688e+02
##	30476	30477	30478	30479	30480
##	3.215412e+01	9.423280e+01	-2.807373e+01	-8.578671e+01	2.514088e+02
##	30481	30482	30483	30484	30485
##	1.905929e+02	1.095233e+02	1.014349e+02	2.326665e+02	6.942682e+01
##	30486	30487	30488	30489	30490
##	2.503606e+02	2.278015e+02	2.410131e+02	2.674872e+02	2.561442e+02
##	30491	30492	30493	30494	30495
##	2.474898e+02	2.173645e+02	1.296829e+02	2.900518e+02	2.049786e+02
##	30496	30497	30498	30499	30500
##	2.246724e+02	3.136604e+02	1.603358e+02	2.283237e+02	3.077459e+02
##	30501	30502	30503	30504	30505
##	2.877539e+02	2.094665e+02	1.313453e+02	2.058098e+02	1.246104e+02
##	30506	30507	30508	30509	30510
##	2.286327e+02	-5.753463e+01	2.254982e+02	2.418897e+02	2.314581e+02
##	30511	30512	30513	30514	30515
##	1.451299e+02	2.195491e+02	9.095140e+01	9.095140e+01	2.001190e+02
##	30516	30517	30518	30519	30520
##	-1.926477e+01	1.278171e+02	2.475406e+02	9.682635e+02	8.246700e+02
##	30521	30522	30523	30524	30525
##	1.024603e+03	1.187374e+03	1.079039e+03	9.971410e+02	1.386898e+03
##	30526	30527	30528	30529	30530

##	-1.252859e+02	1.514795e+02	5.972376e+02	6.634518e+02	6.632501e+02
##	30531	30532	30533	30534	30535
##	6.789047e+02	1.057784e+03	1.191493e+03	-9.239418e+02	8.009555e+02
##	30536	30537	30538	30539	30540
##	7.104152e+02	7.715599e+02	8.686053e+02	7.584423e+02	8.730424e+02
##	30541	30542	30543	30544	30545
##	9.225090e+02	7.180380e+02	8.825575e+02	8.850965e+02	9.846591e+02
##	30546	30547	30548	30549	30550
##	8.349684e+02	9.034314e+02	8.801599e+02	8.892925e+02	8.372662e+02
##	30551	30552	30553	30554	30555
##	8.643132e+02	9.092012e+02	7.877418e+02	8.552975e+02	8.834794e+02
##	30556	30557	30558	30559	30560
##	9.057857e+02	9.247843e+02	9.207276e+02	7.895904e+02	8.335642e+02
##	30561	30562	30563	30564	30565
##	9.023873e+02	9.818844e+02	9.372134e+02	9.891470e+02	9.043362e+02
##	30566	30567	30568	30569	30570
##	9.150314e+02	9.130372e+02	9.163848e+02	9.003985e+02	8.460461e+02
##	30571	30572	30573	30574	30575
##	8.740866e+02	9.356017e+02	9.633083e+02	9.232159e+02	7.264416e+02
##	30576	30577	30578	30579	30580
##	8.327837e+02	9.958819e+02	9.232159e+02	9.174290e+02	8.422934e+02
##	30581	30582	30583	30584	30585
##	9.352491e+02	7.369459e+02	9.024327e+02	8.577912e+02	8.994712e+02
##	30586	30587	30588	30589	30590
##	8.988982e+02	8.969829e+02	9.148185e+02	8.893886e+02	1.016784e+03
##	30591	30592	30593	30594	30595
##	9.921799e+02	8.599929e+02	9.573992e+02	9.071334e+02	8.724695e+02
##	30596	30597	30598	30599	30600
##	8.378392e+02	7.918429e+02	9.420331e+02	1.002100e+03	7.669806e+02
##	30601	30602	30603	30604	30605
##	-9.467509e+02	-4.065191e+02	-9.025642e+02	-7.227428e+02	-9.168784e+02
##	30606	30607	30608	30609	30610
##	-1.106717e+03	-1.088370e+03	-8.025475e+02	-1.193957e+03	-4.269533e+02
##	30611	30612	30613	30614	30615
##	-4.115009e+02	-1.073739e+03	-1.035515e+03	-9.050202e+02	-9.548489e+02
##	30616	30617	30618	30619	30620
##	-3.410155e+02	-4.047778e+02	-4.004457e+02	-1.095529e+03	-1.146913e+03
##	30621	30622	30623	30624	30625
##	-1.269107e+03	-3.920537e+02	-4.718077e+02	-8.479708e+02	-4.424642e+02
##	30626	30627	30628	30629	30630
##	-4.416838e+02	-4.346851e+02	-1.266013e+02	-8.532645e+01	-1.551186e+02
##	30631	30632	30633	30634	30635
##	8.738736e+02	9.107394e+02	8.778339e+02	4.124256e+02	1.282384e+03
##	30636	30637	30638	30639	30640
##	1.064102e+03	1.082562e+03	9.382092e+02	9.585694e+02	8.335910e+02
##	30641	30642	30643	30644	30645
##	8.102460e+02	8.636710e+02	-5.552925e+02	7.094192e+02	8.086709e+02
##	30646	30647	30648	30649	30650
##	1.238733e+03	8.656429e+02	2.870916e+02	3.449955e+02	3.033363e+02
##	30651	30652	30653	30654	30655
##	9.167905e+02	1.252040e+03	4.037516e+02	4.098535e+02	4.388948e+02
##	30656	30657	30658	30659	30660
##	1.062050e+03	1.465455e+02	5.519643e+02	1.110630e+03	4.449088e+02
##	30661	30662	30663	30664	30665

##	1.128847e+03	7.010580e+02	4.820088e+02	1.125409e+03	6.388894e+02
##	30666	30667	30668	30669	30670
##	1.121803e+03	2.022117e+02	-1.162714e+02	4.820088e+02	3.857677e+02
##	30671	30672	30673	30674	30675
##	5.076350e+02	9.028906e+02	4.628921e+02	5.287801e+02	4.761545e+02
##	30676	30677	30678	30679	30680
##	6.044396e+02	5.533934e+02	6.030189e+02	6.116986e+02	7.366812e+02
##	30681	30682	30683	30684	30685
##	7.011033e+02	7.244537e+02	8.417580e+02	5.193347e+02	5.508171e+02
##	30686	30687	30688	30689	30690
##	6.304556e+02	2.192866e+02	2.797757e+02	5.212970e+02	1.125763e+03
##	30691	30692	30693	30694	30695
##	6.987111e+02	4.378352e+02	1.292662e+02	1.084983e+03	5.126451e+02
##	30696	30697	30698	30699	30700
##	6.356279e+02	4.846012e+02	4.749895e+02	4.080938e+02	3.690807e+02
##	30701	30702	30703	30704	30705
##	3.765583e+02	9.864766e+02	1.072016e+03	4.471041e+02	4.648314e+02
##	30706	30707	30708	30709	30710
##	1.072658e+03	5.427794e+02	5.956698e+01	1.219474e+03	1.007525e+03
##	30711	30712	30713	30714	30715
##	8.314775e+02	8.347533e+02	8.231044e+02	8.081324e+02	1.058985e+03
##	30716	30717	30718	30719	30720
##	1.032754e+03	1.057233e+03	7.136179e+01	4.874339e+02	5.566774e+02
##	30721	30722	30723	30724	30725
##	6.298963e+02	1.447097e+03	6.658801e+02	6.680194e+02	8.168233e+02
##	30726	30727	30728	30729	30730
##	6.135049e+02	7.210183e+02	1.332300e+03	9.946397e+02	1.353946e+03
##	30731	30732	30733	30734	30735
##	1.069441e+03	1.315471e+03	1.317620e+03	1.002760e+03	1.434693e+02
##	30736	30737	30738	30739	30740
##	2.806071e+02	8.725866e+02	6.067660e+02	5.501612e+02	8.097188e+02
##	30741	30742	30743	30744	30745
##	5.941726e+02	5.996297e+02	8.537245e+02	7.447411e+02	4.702923e+02
##	30746	30747	30748	30749	30750
##	9.613699e+02	1.087272e+03	1.052372e+03	8.600998e+02	6.971017e+02
##	30751	30752	30753	30754	30755
##	-9.500796e+02	3.169389e+02	7.610455e+02	8.417126e+02	1.179101e+03
##	30756	30757	30758	30759	30760
##	9.128853e+02	7.835238e+02	9.108457e+02	8.574737e+02	7.916629e+02
##	30761	30762	30763	30764	30765
##	7.815803e+02	8.685827e+02	7.861629e+02	9.756887e+02	8.590448e+02
##	30766	30767	30768	30769	30770
##	8.429624e+02	6.203314e+02	8.016381e+02	2.310398e+02	9.284754e+02
##	30771	30772	30773	30774	30775
##	8.879149e+02	1.321355e+03	3.560857e+02	1.142093e+03	9.975929e+02
##	30776	30777	30778	30779	30780
##	4.172179e+02	4.039555e+02	1.561261e+03	1.383647e+03	1.530628e+03
##	30781	30782	30783	30784	30785
##	8.903862e+02	1.359283e+03	1.031920e+03	1.151261e+03	1.569624e+03
##	30786	30787	30788	30789	30790
##	1.289337e+03	9.856202e+02	9.921930e+02	1.281113e+03	1.269513e+03
##	30791	30792	30793	30794	30795
##	1.287899e+03	1.295510e+03	1.291459e+03	1.285854e+03	1.292426e+03
##	30796	30797	30798	30799	30800

##	8.755440e+01	1.029707e+03	1.122257e+03	1.396917e+03	1.058058e+03
##	30801	30802	30803	30804	30805
##	1.090138e+03	-1.164184e+02	9.770489e+02	1.293400e+03	1.491979e+03
##	30806	30807	30808	30809	30810
##	1.152047e+03	1.279488e+03	1.237507e+02	1.295987e+03	9.679130e+02
##	30811	30812	30813	30814	30815
##	1.154407e+03	6.184373e+02	8.855301e+02	8.840181e+02	6.518907e+02
##	30816	30817	30818	30819	30820
##	3.597591e+02	5.276887e+02	-3.612485e+00	1.378215e+02	1.226875e+02
##	30821	30822	30823	30824	30825
##	-1.056388e+02	4.734684e+01	5.117870e+01	1.901626e+02	1.222255e+02
##	30826	30827	30828	30829	30830
##	1.536059e+02	1.188725e+02	1.240324e+01	2.028974e+02	1.281293e+02
##	30831	30832	30833	30834	30835
##	1.054026e+02	8.122633e+01	-1.176819e+02	2.290486e+02	3.095844e+02
##	30836	30837	30838	30839	30840
##	2.680707e+02	1.666568e+02	2.424278e+02	2.818513e+02	3.618918e+02
##	30841	30842	30843	30844	30845
##	1.741723e+02	3.221099e+02	2.855025e+02	3.127625e+02	1.924394e+02
##	30846	30847	30848	30849	30850
##	1.426203e+02	3.257612e+02	1.784526e+02	1.518035e+02	2.089984e+02
##	30851	30852	30853	30854	30855
##	3.830098e+02	5.348062e+02	4.471247e+02	5.040572e+02	4.637854e+02
##	30856	30857	30858	30859	30860
##	4.100568e+02	3.449811e+02	4.100927e+02	4.317112e+02	4.629955e+02
##	30861	30862	30863	30864	30865
##	4.497839e+02	5.392434e+02	3.854020e+02	3.823182e+02	4.936485e+02
##	30866	30867	30868	30869	30870
##	3.437166e+02	3.730161e+02	3.361104e+02	4.828968e+02	4.295702e+02
##	30871	30872	30873	30874	30875
##	4.983946e+02	4.783972e+02	4.710893e+02	3.431490e+02	3.850702e+02
##	30876	30877	30878	30879	30880
##	1.027391e+02	1.360443e+02	8.304537e+01	6.534583e+01	6.236359e+01
##	30881	30882	30883	30884	30885
##	6.038651e+01	2.414200e+02	2.501927e+01	1.619470e+02	1.614702e+02
##	30886	30887	30888	30889	30890
##	1.614702e+02	1.859047e+02	1.202052e+01	9.406066e+01	6.627375e+02
##	30891	30892	30893	30894	30895
##	8.505344e+02	1.321050e+03	1.052378e+03	6.080834e+02	9.120193e+02
##	30896	30897	30898	30899	30900
##	3.426457e+02	9.677037e+02	9.809154e+02	9.918239e+02	9.794505e+02
##	30901	30902	30903	30904	30905
##	1.577363e+02	8.743955e+02	1.011998e+03	9.311542e+02	6.830959e+02
##	30906	30907	30908	30909	30910
##	1.028924e+03	-5.142273e+02	2.096916e+02	8.528426e+02	7.038116e+02
##	30911	30912	30913	30914	30915
##	8.649740e+02	8.643557e+02	8.813201e+02	7.367808e+02	8.509764e+02
##	30916	30917	30918	30919	30920
##	1.126461e+03	7.645629e+02	8.768322e+02	8.775674e+02	8.893631e+02
##	30921	30922	30923	30924	30925
##	1.055027e+03	6.905492e+02	7.945827e+02	7.853408e+02	8.159407e+02
##	30926	30927	30928	30929	30930
##	1.535525e+03	7.523027e+02	1.049599e+03	8.553682e+02	7.669569e+02
##	30931	30932	30933	30934	30935

##	-1.254891e+02	-1.460870e+03	3.554578e+01	1.858137e+01	3.680311e+01
##	30936	30937	30938	30939	30940
##	6.913560e+01	5.240663e+02	4.975922e+02	5.346501e+02	1.189648e+02
##	30941	30942	30943	30944	30945
##	7.362822e+01	3.399722e+02	4.252500e+02	1.729718e+02	-3.934800e+01
##	30946	30947	30948	30949	30950
##	-6.069540e+02	-1.268423e+02	-1.345526e+03	-7.540662e+02	-8.230020e+02
##	30951	30952	30953	30954	30955
##	-9.905176e+02	-5.782816e+02	-7.554834e+02	-5.346809e+02	-6.886522e+02
##	30956	30957	30958	30959	30960
##	-9.170315e+02	-7.889290e+02	-5.568801e+02	-5.343663e+02	-7.004026e+02
##	30961	30962	30963	30964	30965
##	3.954009e+02	-4.131130e+02	1.037145e+03	1.045824e+03	4.158437e+02
##	30966	30967	30968	30969	30970
##	-7.240257e+02	-1.092563e+03	-7.314816e+02	-8.208864e+02	-8.287219e+02
##	30971	30972	30973	30974	30975
##	-1.082411e+03	-9.798385e+02	1.019045e+03	1.340419e+03	1.164570e+03
##	30976	30977	30978	30979	30980
##	9.392158e+02	1.063145e+03	9.621854e+02	9.458375e+02	8.525687e+02
##	30981	30982	30983	30984	30985
##	8.887105e+02	7.031782e+02	8.830143e+02	8.084641e+02	1.039997e+03
##	30986	30987	30988	30989	30990
##	1.008241e+03	1.003552e+03	8.981128e+02	8.406536e+02	9.000914e+02
##	30991	30992	30993	30994	30995
##	1.051332e+03	9.656952e+02	1.072949e+03	8.996207e+02	1.044572e+03
##	30996	30997	30998	30999	31000
##	1.089668e+03	1.118892e+02	8.743262e+02	1.071483e+03	1.313672e+03
##	31001	31002	31003	31004	31005
##	1.197596e+03	4.011772e+02	1.367115e+03	-3.329194e+02	4.517752e+02
##	31006	31007	31008	31009	31010
##	3.810428e+02	1.525243e+03	2.263822e+02	1.703541e+02	2.440364e+02
##	31011	31012	31013	31014	31015
##	1.328476e+02	1.034520e+02	2.770326e+02	-4.872441e+01	8.886854e+01
##	31016	31017	31018	31019	31020
##	1.229360e+03	1.057934e+03	1.364634e+03	9.594755e+02	5.691303e+02
##	31021	31022	31023	31024	31025
##	-1.006153e+00	-3.646636e+00	1.844546e+02	6.306120e+02	6.982120e+02
##	31026	31027	31028	31029	31030
##	4.911841e+02	5.289925e+02	5.748265e+02	5.294392e+02	4.149345e+02
##	31031	31032	31033	31034	31035
##	5.792129e+02	5.741404e+02	4.359315e+02	4.412844e+02	2.986230e+02
##	31036	31037	31038	31039	31040
##	1.803462e+02	1.690965e+02	5.085306e+02	1.399743e+03	1.321354e+03
##	31041	31042	31043	31044	31045
##	1.390440e+03	1.006281e+02	6.445820e+02	1.409911e+03	4.149198e+02
##	31046	31047	31048	31049	31050
##	4.336653e+02	3.453030e+02	9.346217e+02	4.943525e+02	7.497424e+02
##	31051	31052	31053	31054	31055
##	1.304416e+03	1.258680e+03	9.055986e+02	8.488824e+02	1.147379e+03
##	31056	31057	31058	31059	31060
##	4.293558e+02	9.996483e+02	1.022266e+03	1.292361e+03	1.198951e+03
##	31061	31062	31063	31064	31065
##	8.027999e+02	9.189573e+02	1.102438e+03	7.904486e+02	1.298005e+03
##	31066	31067	31068	31069	31070

##	1.294643e+03	1.131209e+03	1.132575e+03	1.248203e+03	1.070847e+03
##	31071	31072	31073	31074	31075
##	1.111274e+03	1.257072e+03	7.895734e+02	1.096351e+03	9.517822e+02
##	31076	31077	31078	31079	31080
##	1.140344e+03	1.089220e+03	1.137748e+03	1.212898e+03	1.067134e+03
##	31081	31082	31083	31084	31085
##	1.344342e+03	6.590770e+02	1.305448e+03	1.230598e+03	7.481744e+02
##	31086	31087	31088	31089	31090
##	1.128042e+03	8.033580e+02	1.197975e+03	1.020668e+03	1.240984e+03
##	31091	31092	31093	31094	31095
##	1.053489e+03	1.056147e+03	1.369840e+03	1.201344e+03	1.318165e+03
##	31096	31097	31098	31099	31100
##	8.733216e+02	9.659386e+02	6.392972e+02	7.727076e+02	1.071282e+03
##	31101	31102	31103	31104	31105
##	1.071237e+03	1.035466e+03	1.062925e+03	4.459771e+02	1.343635e+03
##	31106	31107	31108	31109	31110
##	6.985066e+02	8.687339e+02	9.575598e+02	6.795645e+02	-3.182463e+02
##	31111	31112	31113	31114	31115
##	1.150699e+03	1.197743e+03	1.316986e+03	1.350768e+03	-6.471968e+01
##	31116	31117	31118	31119	31120
##	1.256666e+03	6.986842e+02	1.190364e+03	9.305515e+02	9.006791e+02
##	31121	31122	31123	31124	31125
##	5.403525e+02	1.378048e+02	8.417302e+02	5.348097e+02	4.648953e+02
##	31126	31127	31128	31129	31130
##	5.074012e+02	4.897470e+02	9.861257e+02	5.589543e+02	5.811040e+02
##	31131	31132	31133	31134	31135
##	8.110156e+02	1.361081e+03	1.337960e+03	1.259082e+03	1.298819e+03
##	31136	31137	31138	31139	31140
##	1.060020e+03	1.092145e+03	1.986111e+02	5.979401e+02	5.875485e+02
##	31141	31142	31143	31144	31145
##	6.244142e+02	2.015827e+02	1.872852e+02	5.863213e+02	7.097149e+02
##	31146	31147	31148	31149	31150
##	7.951877e+02	1.712596e+02	5.311113e+02	3.555305e+02	6.189659e+02
##	31151	31152	31153	31154	31155
##	6.740703e+02	4.142055e+02	5.850353e+02	6.441717e+02	7.730547e+02
##	31156	31157	31158	31159	31160
##	6.714770e+02	4.420837e+02	7.239253e+02	5.155860e+02	5.709740e+02
##	31161	31162	31163	31164	31165
##	6.633195e+02	3.884759e+02	5.715469e+02	6.721955e+02	6.967615e+02
##	31166	31167	31168	31169	31170
##	6.671414e+02	3.789061e+02	5.890766e+02	3.915143e+02	6.090799e+02
##	31171	31172	31173	31174	31175
##	5.644496e+02	6.707473e+02	1.051911e+02	4.566847e+02	1.352292e+03
##	31176	31177	31178	31179	31180
##	9.182212e+02	1.247390e+03	5.961010e+02	6.462244e+02	6.988689e+02
##	31181	31182	31183	31184	31185
##	1.545237e+02	3.275367e+02	2.512476e+02	2.707794e+02	2.961976e+02
##	31186	31187	31188	31189	31190
##	1.262630e+02	2.894119e+02	3.144647e+02	1.078153e+02	-4.602636e+00
##	31191	31192	31193	31194	31195
##	2.688416e+02	-7.543008e+02	5.748516e+02	2.187156e+02	6.290410e+01
##	31196	31197	31198	31199	31200
##	2.249754e+02	2.382378e+02	1.854971e+02	2.127571e+02	2.308872e+01
##	31201	31202	31203	31204	31205

##	3.869126e+02	2.927597e+02	3.759570e+02	2.258576e+02	2.302947e+02
##	31206	31207	31208	31209	31210
##	3.084159e+02	3.576167e+02	2.800685e+02	1.781270e+02	3.283172e+02
##	31211	31212	31213	31214	31215
##	3.680537e+02	3.255371e+02	2.313788e+02	2.015228e+02	2.113868e+02
##	31216	31217	31218	31219	31220
##	2.426711e+02	3.130606e+02	1.312564e+02	1.179940e+02	3.226663e+02
##	31221	31222	31223	31224	31225
##	3.254971e+02	3.330579e+02	2.042020e+02	1.579434e+02	-2.304785e+00
##	31226	31227	31228	31229	31230
##	1.888546e+02	1.938324e+02	2.742060e+02	-1.191055e+01	6.165199e+02
##	31231	31232	31233	31234	31235
##	-3.382848e+02	6.628271e+02	6.620714e+02	9.246498e+02	7.509278e+02
##	31236	31237	31238	31239	31240
##	9.034966e+02	9.645856e+02	1.072702e+03	8.613100e+02	9.001054e+02
##	31241	31242	31243	31244	31245
##	6.261405e+02	6.164840e+02	6.055702e+02	5.960098e+02	5.885467e+02
##	31246	31247	31248	31249	31250
##	1.095804e+03	9.779818e+02	1.008906e+03	7.379974e+02	6.689667e+02
##	31251	31252	31253	31254	31255
##	6.581447e+02	9.052429e+02	1.447912e+02	1.447912e+02	1.843229e+02
##	31256	31257	31258	31259	31260
##	9.746984e+02	9.642560e+02	9.262327e+02	9.606501e+02	1.022925e+03
##	31261	31262	31263	31264	31265
##	-8.964747e+02	-6.117182e+02	-5.988489e+02	-9.925895e+02	-9.022616e+02
##	31266	31267	31268	31269	31270
##	-7.427485e+02	-6.328840e+02	-5.245022e+02	-5.158184e+02	-7.101045e+02
##	31271	31272	31273	31274	31275
##	-4.776936e+02	-9.733910e+02	-7.990813e+02	-4.916422e+02	-9.119989e+02
##	31276	31277	31278	31279	31280
##	-6.754405e+02	-4.821986e+02	-6.606441e+02	-7.960483e+02	-8.657498e+02
##	31281	31282	31283	31284	31285
##	-6.813820e+02	2.967963e+02	-9.718829e+02	-1.143984e+03	-1.089728e+03
##	31286	31287	31288	31289	31290
##	-1.063209e+03	-6.316675e+02	-8.421361e+02	-6.331831e+02	-1.101346e+03
##	31291	31292	31293	31294	31295
##	9.870335e+02	9.626443e+02	9.400798e+02	1.070851e+03	8.133177e+02
##	31296	31297	31298	31299	31300
##	9.248286e+02	8.073309e+02	9.653455e+02	1.010469e+03	9.284852e+02
##	31301	31302	31303	31304	31305
##	9.209136e+02	8.051786e+02	8.496159e+02	9.944375e+02	9.046636e+02
##	31306	31307	31308	31309	31310
##	1.073053e+03	8.446658e+02	8.820084e+02	9.361703e+02	8.324570e+02
##	31311	31312	31313	31314	31315
##	9.747437e+02	1.122823e+03	9.614813e+02	9.635663e+02	1.049399e+03
##	31316	31317	31318	31319	31320
##	8.751586e+02	9.518302e+02	9.453989e+02	9.606048e+02	9.352655e+02
##	31321	31322	31323	31324	31325
##	7.823600e+02	9.401305e+02	9.649929e+02	8.814861e+02	9.746984e+02
##	31326	31327	31328	31329	31330
##	1.059004e+03	1.046624e+03	1.131264e+03	1.036758e+03	1.304349e+03
##	31331	31332	31333	31334	31335
##	1.182448e+03	1.036954e+03	9.447166e+02	1.211579e+03	4.642633e+02
##	31336	31337	31338	31339	31340

##	5.250416e+02	-8.833285e+02	-9.020232e+02	-8.611498e+02	1.170750e+03
##	31341	31342	31343	31344	31345
##	1.091122e+03	9.968441e+02	1.412986e+03	1.054428e+03	1.059647e+03
##	31346	31347	31348	31349	31350
##	1.138966e+03	1.082911e+03	1.098353e+03	6.766494e+02	9.068669e+02
##	31351	31352	31353	31354	31355
##	1.121142e+03	-2.123432e+02	2.963455e+01	7.724467e+02	1.426372e+03
##	31356	31357	31358	31359	31360
##	1.467177e+03	1.409311e+03	1.398207e+03	4.099730e+02	8.154076e+02
##	31361	31362	31363	31364	31365
##	9.033195e+02	1.249668e+03	-8.748462e+01	1.228155e+03	1.425005e+03
##	31366	31367	31368	31369	31370
##	1.424381e+03	1.425212e+03	1.464645e+03	1.434818e+03	1.077313e+03
##	31371	31372	31373	31374	31375
##	1.145957e+03	9.285467e+02	1.034690e+03	4.577127e+02	9.757324e+02
##	31376	31377	31378	31379	31380
##	8.945961e+02	9.808590e+02	1.299294e+03	8.740533e+02	9.947732e+02
##	31381	31382	31383	31384	31385
##	1.287739e+03	1.090060e+03	8.308009e+02	8.094826e+02	1.209898e+03
##	31386	31387	31388	31389	31390
##	1.222520e+03	1.335794e+03	1.355732e+03	1.291133e+03	1.668584e+01
##	31391	31392	31393	31394	31395
##	6.585316e+02	1.090505e+03	1.356892e+03	9.559022e+02	1.031982e+03
##	31396	31397	31398	31399	31400
##	-3.183969e+02	-1.107114e+03	9.846496e+02	1.019851e+03	1.051452e+03
##	31401	31402	31403	31404	31405
##	1.014110e+03	1.080848e+03	1.031551e+03	1.054323e+03	1.105963e+03
##	31406	31407	31408	31409	31410
##	1.036719e+03	1.026541e+03	1.046325e+03	1.065923e+03	1.060317e+03
##	31411	31412	31413	31414	31415
##	1.029888e+03	1.055262e+03	1.066272e+03	1.021372e+03	1.046280e+03
##	31416	31417	31418	31419	31420
##	1.034584e+03	1.016839e+03	1.082309e+03	1.082264e+03	5.404100e+02
##	31421	31422	31423	31424	31425
##	1.132838e+03	1.113834e+03	-3.468690e+02	6.849859e+02	9.104653e+02
##	31426	31427	31428	31429	31430
##	8.933930e+02	9.102070e+02	8.912937e+02	8.690492e+02	8.495684e+02
##	31431	31432	31433	31434	31435
##	8.848170e+02	9.052966e+02	8.839912e+02	8.825245e+02	8.700934e+02
##	31436	31437	31438	31439	31440
##	9.075320e+02	8.884737e+02	8.860851e+02	1.152636e+03	-1.464415e+02
##	31441	31442	31443	31444	31445
##	1.031636e+03	-9.973521e+02	-4.860670e+01	5.249150e+02	5.906021e+02
##	31446	31447	31448	31449	31450
##	-1.272078e+03	-6.810902e+02	-5.731292e+02	-6.441083e+02	-7.744413e+02
##	31451	31452	31453	31454	31455
##	5.505579e+02	5.923339e+02	6.172453e+02	5.483507e+02	1.911291e+02
##	31456	31457	31458	31459	31460
##	1.775066e+02	-1.289882e+02	2.634579e+02	-1.078663e+03	-1.079973e+03
##	31461	31462	31463	31464	31465
##	-9.638901e+02	-7.382172e+02	-7.955338e+02	-7.749959e+02	-7.537632e+02
##	31466	31467	31468	31469	31470
##	1.092947e+02	1.238835e+02	1.857023e+02	2.060064e+02	2.294475e+02
##	31471	31472	31473	31474	31475

##	2.507022e+02	3.274700e+02	3.406309e+02	2.690425e+02	3.155594e+02
##	31476	31477	31478	31479	31480
##	3.523813e+02	2.546171e+02	3.981177e+02	3.186447e+02	2.968754e+02
##	31481	31482	31483	31484	31485
##	2.273442e+02	5.015740e+02	4.890975e+02	5.601636e+02	4.097659e+02
##	31486	31487	31488	31489	31490
##	4.494517e+02	4.913953e+02	5.972986e+02	5.606912e+02	5.468559e+02
##	31491	31492	31493	31494	31495
##	6.201161e+02	5.155716e+02	4.474121e+02	6.108140e+02	5.578658e+02
##	31496	31497	31498	31499	31500
##	5.710775e+02	5.542145e+02	5.879458e+02	4.871033e+02	4.983902e+02
##	31501	31502	31503	31504	31505
##	6.138469e+02	4.178090e+02	5.907712e+02	4.503997e+02	5.045522e+02
##	31506	31507	31508	31509	31510
##	6.049102e+02	5.104483e+02	4.385415e+02	3.834356e+02	4.709247e+02
##	31511	31512	31513	31514	31515
##	5.490912e+02	4.016812e+02	1.271710e+02	2.282039e+02	2.908086e+02
##	31516	31517	31518	31519	31520
##	1.823491e+02	1.724303e+02	2.540597e+02	1.278382e+02	2.780284e+02
##	31521	31522	31523	31524	31525
##	2.583854e+02	1.960790e+02	2.385448e+02	8.029320e+01	1.185815e+02
##	31526	31527	31528	31529	31530
##	9.887469e+01	2.204681e+02	1.061049e+02	2.627718e+02	1.900791e+02
##	31531	31532	31533	31534	31535
##	2.526384e+02	2.399943e+02	2.231314e+02	4.123257e+02	1.269281e+03
##	31536	31537	31538	31539	31540
##	1.359946e+03	1.330028e+03	1.227838e+03	1.250656e+03	1.260171e+03
##	31541	31542	31543	31544	31545
##	1.302773e+03	1.243921e+03	1.254216e+03	1.233691e+03	1.263660e+03
##	31546	31547	31548	31549	31550
##	1.267524e+03	1.270344e+03	1.233787e+03	1.275467e+03	1.249870e+03
##	31551	31552	31553	31554	31555
##	1.188560e+03	1.199777e+03	4.496213e+02	1.655632e+03	5.969184e+02
##	31556	31557	31558	31559	31560
##	8.710140e+02	8.059311e+02	7.611184e+02	7.611274e+02	5.688569e+02
##	31561	31562	31563	31564	31565
##	6.942931e+02	7.751213e+02	8.200884e+02	1.576276e+03	1.523728e+03
##	31566	31567	31568	31569	31570
##	1.550156e+03	1.525980e+03	1.310126e+03	1.561121e+03	1.495080e+03
##	31571	31572	31573	31574	31575
##	-2.944392e+02	1.240246e+03	1.359418e+03	1.368675e+03	1.228154e+03
##	31576	31577	31578	31579	31580
##	1.390016e+03	9.158835e+02	9.480992e+02	9.060648e+02	9.488850e+02
##	31581	31582	31583	31584	31585
##	8.249560e+02	1.006108e+03	9.421954e+02	7.919469e+02	9.364031e+02
##	31586	31587	31588	31589	31590
##	9.488343e+02	9.115973e+02	9.195855e+02	8.513902e+02	8.695009e+02
##	31591	31592	31593	31594	31595
##	-2.191360e+03	-9.922836e+01	-1.430207e+01	-1.258303e+02	-1.439749e+02
##	31596	31597	31598	31599	31600
##	9.132833e+01	-2.057881e+02	1.808841e+02	-2.400448e+02	-2.286953e+01
##	31601	31602	31603	31604	31605
##	6.044756e+01	5.878514e+01	-4.392487e+02	-1.690553e+03	-2.066437e+03
##	31606	31607	31608	31609	31610

##	-1.765762e+03	-1.863930e+03	-1.673160e+03	-1.847931e+03	-1.524304e+02
##	31611	31612	31613	31614	31615
##	3.224590e+02	-4.068105e+02	-5.725141e+02	-8.963800e+02	-2.057065e+03
##	31616	31617	31618	31619	31620
##	-2.967310e+02	-2.093541e+03	2.767838e+02	-1.892401e+01	4.163278e+02
##	31621	31622	31623	31624	31625
##	-1.097639e+03	-1.135690e+03	-8.067621e+02	-7.867194e+02	-7.853606e+02
##	31626	31627	31628	31629	31630
##	-7.937580e+02	-7.955393e+02	-7.853606e+02	-7.957522e+02	-7.955393e+02
##	31631	31632	31633	31634	31635
##	-7.384666e+02	-7.774119e+02	-7.669803e+02	-7.765860e+02	-7.830627e+02
##	31636	31637	31638	31639	31640
##	-2.427191e+03	-2.340962e+03	-2.310595e+03	-2.506351e+03	-1.517612e+03
##	31641	31642	31643	31644	31645
##	7.935178e+01	2.376152e+02	2.241700e+02	6.552170e+02	-3.280085e+02
##	31646	31647	31648	31649	31650
##	-1.051938e+03	-2.462676e+03	-1.661540e+03	6.990060e+02	6.434228e+02
##	31651	31652	31653	31654	31655
##	9.819319e+02	1.111255e+03	8.007852e+02	8.243885e+02	8.918582e+02
##	31656	31657	31658	31659	31660
##	8.694574e+02	7.437680e+02	6.967744e+02	5.820189e+02	5.840077e+02
##	31661	31662	31663	31664	31665
##	9.283655e+02	8.964186e+02	1.070164e+03	7.341503e+02	1.153398e+03
##	31666	31667	31668	31669	31670
##	1.403145e+03	5.538921e+02	6.976509e+02	5.914446e+02	4.529901e+02
##	31671	31672	31673	31674	31675
##	7.711804e+02	7.884446e+02	9.821983e+02	9.617193e+02	9.082889e+02
##	31676	31677	31678	31679	31680
##	1.018664e+03	1.051696e+03	9.111627e+02	9.308511e+02	9.896789e+02
##	31681	31682	31683	31684	31685
##	1.048227e+03	9.948475e+02	9.611109e+02	1.075923e+03	9.201784e+02
##	31686	31687	31688	31689	31690
##	8.965298e+02	1.191534e+03	1.222777e+03	1.434635e+03	7.645959e+02
##	31691	31692	31693	31694	31695
##	1.230565e+03	7.013953e+02	5.211436e+00	-7.400556e+01	2.247020e+02
##	31696	31697	31698	31699	31700
##	3.412063e+02	3.043895e+02	-6.592046e+02	2.999978e+02	1.969689e+02
##	31701	31702	31703	31704	31705
##	1.270563e+02	2.071983e+02	1.762364e+02	2.056809e+02	2.978621e+02
##	31706	31707	31708	31709	31710
##	1.588948e+02	-2.445654e+03	5.815680e+02	-8.955028e+02	7.783623e+02
##	31711	31712	31713	31714	31715
##	-3.697698e+02	5.488450e+02	5.047675e+02	4.782934e+02	1.263103e+03
##	31716	31717	31718	31719	31720
##	1.138974e+03	1.149867e+03	9.985660e+02	6.221410e+02	1.285283e+03
##	31721	31722	31723	31724	31725
##	4.589001e+02	-1.980605e+02	1.125449e+03	1.120966e+03	8.789050e+02
##	31726	31727	31728	31729	31730
##	6.776248e+02	9.653275e+02	1.107819e+03	1.143785e+03	1.132129e+03
##	31731	31732	31733	31734	31735
##	1.133703e+03	1.105419e+03	1.164348e+03	1.109025e+03	7.185163e+02
##	31736	31737	31738	31739	31740
##	9.437035e+02	9.570166e+02	1.142417e+03	4.085723e+02	3.276767e+02
##	31741	31742	31743	31744	31745

##	5.279509e+02	9.722673e+02	7.643741e+02	9.006156e+02	8.881862e+02
##	31746	31747	31748	31749	31750
##	6.201815e+02	8.198502e+02	5.295234e+02	6.245679e+02	9.673556e+02
##	31751	31752	31753	31754	31755
##	6.081764e+02	7.665133e+02	9.278756e+02	8.182095e+02	8.202927e+02
##	31756	31757	31758	31759	31760
##	6.791519e+02	6.594975e+02	8.034244e+02	7.070980e+02	9.057843e+02
##	31761	31762	31763	31764	31765
##	5.797099e+02	8.019749e+02	1.514083e+03	9.070998e+02	9.137841e+02
##	31766	31767	31768	31769	31770
##	1.278490e+03	5.047661e+02	7.708041e+02	5.186779e+02	7.592495e+02
##	31771	31772	31773	31774	31775
##	5.508457e+02	5.442783e+02	5.362842e+02	4.471046e+02	5.833646e+02
##	31776	31777	31778	31779	31780
##	6.266073e+02	5.673740e+02	6.813061e+02	6.434681e+02	7.074887e+02
##	31781	31782	31783	31784	31785
##	6.304905e+02	6.362865e+02	7.197568e+02	7.438014e+02	6.873113e+02
##	31786	31787	31788	31789	31790
##	8.589338e+02	6.324133e+02	5.527128e+02	8.506358e+02	6.824695e+02
##	31791	31792	31793	31794	31795
##	6.444745e+02	5.359552e+02	6.658271e+02	6.358734e+02	8.149767e+02
##	31796	31797	31798	31799	31800
##	8.146279e+02	6.720271e+02	6.660041e+02	7.815149e+02	4.717660e+02
##	31801	31802	31803	31804	31805
##	1.206655e+03	-1.336889e+02	1.421953e+03	9.615983e+02	5.091686e+02
##	31806	31807	31808	31809	31810
##	1.302243e+03	1.232682e+03	1.243165e+03	1.747550e+03	1.024010e+03
##	31811	31812	31813	31814	31815
##	8.064859e+02	1.135306e+03	8.429765e+02	1.053563e+03	1.018219e+03
##	31816	31817	31818	31819	31820
##	7.758946e+02	1.300125e+03	1.216991e+03	9.575658e+02	9.712561e+02
##	31821	31822	31823	31824	31825
##	-5.157494e+02	-3.362859e+02	-4.406302e+02	6.641235e+02	1.294557e+03
##	31826	31827	31828	31829	31830
##	7.171776e+02	1.149573e+03	1.298421e+03	5.070465e+02	6.696380e+02
##	31831	31832	31833	31834	31835
##	8.483638e+02	1.205454e+03	1.322643e+03	1.282957e+03	1.375022e+03
##	31836	31837	31838	31839	31840
##	1.125919e+03	1.020018e+03	1.316115e+03	1.185602e+03	8.940494e+02
##	31841	31842	31843	31844	31845
##	-1.809841e+02	-7.345025e+01	-1.332648e+02	-6.478892e+01	7.295581e+02
##	31846	31847	31848	31849	31850
##	7.075211e+02	1.383919e+03	1.394995e+03	1.214598e+03	5.437729e+02
##	31851	31852	31853	31854	31855
##	3.089218e+02	4.819325e+02	4.916052e+02	5.044864e+02	4.875220e+02
##	31856	31857	31858	31859	31860
##	4.641770e+02	5.303368e+02	5.427734e+02	5.230796e+02	4.159736e+02
##	31861	31862	31863	31864	31865
##	4.935218e+02	4.802594e+02	3.821409e+02	5.170503e+02	3.705463e+02
##	31866	31867	31868	31869	31870
##	3.409885e+02	5.106484e+02	3.238509e+02	1.504233e+02	3.488583e+02
##	31871	31872	31873	31874	31875
##	4.079795e+02	3.320353e+02	4.717432e+02	2.348552e+02	1.872890e+02
##	31876	31877	31878	31879	31880

##	5.063564e+02	3.407969e+02	4.694453e+02	3.356790e+02	4.711077e+02
##	31881	31882	31883	31884	31885
##	3.828986e+02	1.909910e+02	5.504691e+02	6.500543e+02	4.156676e+02
##	31886	31887	31888	31889	31890
##	4.891407e+02	4.764112e+02	4.566668e+02	6.263267e+02	6.333763e+02
##	31891	31892	31893	31894	31895
##	6.291521e+02	5.902469e+02	5.972965e+02	4.603180e+02	5.490024e+02
##	31896	31897	31898	31899	31900
##	4.406297e+02	5.446520e+02	5.164006e+02	5.428240e+02	5.966782e+02
##	31901	31902	31903	31904	31905
##	4.546725e+02	2.821387e+02	4.211942e+02	6.277309e+02	4.510666e+02
##	31906	31907	31908	31909	31910
##	5.286149e+02	5.067949e+02	4.606270e+02	6.166756e+02	6.702421e+02
##	31911	31912	31913	31914	31915
##	5.688282e+02	3.988989e+02	3.027090e+02	4.328265e+02	4.688115e+02
##	31916	31917	31918	31919	31920
##	5.269491e+02	4.416738e+02	3.973196e+02	2.999343e+02	5.558748e+02
##	31921	31922	31923	31924	31925
##	4.872295e+02	4.136150e+02	4.526330e+02	4.686247e+02	5.865277e+02
##	31926	31927	31928	31929	31930
##	4.246249e+02	2.807228e+02	4.712145e+02	5.362848e+02	5.181247e+02
##	31931	31932	31933	31934	31935
##	5.345161e+02	5.671179e+02	4.333193e+02	4.740018e+02	5.562041e+02
##	31936	31937	31938	31939	31940
##	3.458032e+02	4.784389e+02	4.454374e+02	5.350891e+02	4.735326e+02
##	31941	31942	31943	31944	31945
##	5.510808e+02	5.747802e+02	4.060553e+02	5.408568e+02	3.444988e+02
##	31946	31947	31948	31949	31950
##	5.254833e+02	3.454207e+02	5.019968e+02	4.149336e+02	4.595764e+02
##	31951	31952	31953	31954	31955
##	8.045011e+02	-1.331280e+03	-5.635989e+02	-6.205073e+02	-5.776418e+02
##	31956	31957	31958	31959	31960
##	-5.441181e+02	-5.909949e+02	-5.776925e+02	-5.973355e+02	-5.880334e+02
##	31961	31962	31963	31964	31965
##	-9.335068e+01	6.243723e+02	-3.633525e+03	2.186994e+02	6.248665e+02
##	31966	31967	31968	31969	31970
##	2.364725e+02	8.884635e+02	5.477407e+02	6.012353e+02	5.899668e+02
##	31971	31972	31973	31974	31975
##	7.027866e+02	5.359410e+02	-6.926862e+02	2.848928e+02	1.976351e+02
##	31976	31977	31978	31979	31980
##	2.680903e+02	1.973408e+02	1.338087e+02	9.499949e+01	5.124755e+02
##	31981	31982	31983	31984	31985
##	4.112823e+02	3.755514e+02	5.060025e+02	4.397919e+02	4.656930e+02
##	31986	31987	31988	31989	31990
##	3.856394e+02	3.892453e+02	4.470998e+02	5.324312e+02	4.471959e+02
##	31991	31992	31993	31994	31995
##	3.864653e+02	3.638607e+02	3.565475e+02	3.667262e+02	3.529415e+02
##	31996	31997	31998	31999	32000
##	-4.564425e+02	5.899886e+02	4.883638e+02	5.843885e+02	1.242938e+03
##	32001	32002	32003	32004	32005
##	1.332882e+03	3.572429e+02	1.300145e+03	1.157263e+03	5.621611e+02
##	32006	32007	32008	32009	32010
##	2.938715e+02	8.797178e+02	4.520310e+02	1.555021e+03	1.253828e+03
##	32011	32012	32013	32014	32015

##	1.562537e+03	1.583013e+03	7.836706e+02	8.474436e+02	8.056622e+02
##	32016	32017	32018	32019	32020
##	-4.728154e+02	-3.733311e+02	1.225875e+03	1.196677e+03	1.047835e+03
##	32021	32022	32023	32024	32025
##	8.249241e+02	-1.568742e+02	8.997285e+02	5.850955e+02	1.153571e+03
##	32026	32027	32028	32029	32030
##	1.183965e+03	7.450909e+02	8.914846e+02	7.335975e+02	5.768454e+01
##	32031	32032	32033	32034	32035
##	-5.617574e+02	8.646172e+02	8.503936e+02	1.321713e+03	1.421866e+03
##	32036	32037	32038	32039	32040
##	1.454238e+03	1.366520e+03	1.298918e+03	1.337316e+03	1.320336e+03
##	32041	32042	32043	32044	32045
##	1.470326e+03	1.577203e+03	1.193886e+03	1.205839e+03	1.349915e+03
##	32046	32047	32048	32049	32050
##	5.943331e+02	1.690912e+03	1.378634e+03	1.099683e+03	2.134275e+02
##	32051	32052	32053	32054	32055
##	1.374145e+03	1.293821e+03	5.422541e+02	5.583873e+02	1.357056e+03
##	32056	32057	32058	32059	32060
##	1.044667e+03	1.376347e+03	9.326617e+01	6.966288e+01	4.788420e+01
##	32061	32062	32063	32064	32065
##	3.244298e+02	3.075162e+02	4.072410e+02	4.127958e+02	3.111221e+02
##	32066	32067	32068	32069	32070
##	3.448493e+02	3.677175e+02	2.437485e+02	4.139307e+02	3.508491e+02
##	32071	32072	32073	32074	32075
##	2.957747e+02	6.601216e+02	4.743926e+02	1.162496e+03	6.796572e+02
##	32076	32077	32078	32079	32080
##	6.900488e+02	9.820472e+02	1.045387e+03	9.916076e+02	9.301926e+02
##	32081	32082	32083	32084	32085
##	8.930899e+02	1.021271e+03	9.732727e+02	1.197792e+03	1.057038e+03
##	32086	32087	32088	32089	32090
##	1.054162e+03	1.029474e+03	9.791765e+02	1.000578e+03	1.043140e+03
##	32091	32092	32093	32094	32095
##	1.024255e+03	1.012958e+03	1.141922e+03	1.027435e+03	1.065981e+03
##	32096	32097	32098	32099	32100
##	9.941748e+02	9.894059e+02	1.079553e+03	1.067120e+03	1.094923e+03
##	32101	32102	32103	32104	32105
##	1.002618e+03	9.659140e+02	1.016093e+03	9.486273e+02	1.018913e+03
##	32106	32107	32108	32109	32110
##	1.574176e+03	5.164603e+02	1.192454e+03	1.310021e+03	-4.834131e+02
##	32111	32112	32113	32114	32115
##	-5.010619e+02	1.175759e+03	9.853546e+02	1.050012e+03	1.534728e+02
##	32116	32117	32118	32119	32120
##	1.089929e+03	1.012861e+03	9.717407e+02	1.143135e+03	1.125838e+03
##	32121	32122	32123	32124	32125
##	8.504469e+02	1.506820e+03	8.490144e+00	-1.756320e+01	8.270181e+02
##	32126	32127	32128	32129	32130
##	-1.126299e+03	-9.321998e+02	-9.771777e+02	-8.448437e+02	-7.074039e+02
##	32131	32132	32133	32134	32135
##	-7.718838e+02	-6.115211e+02	-3.901177e+02	8.832852e+02	5.820418e+02
##	32136	32137	32138	32139	32140
##	1.295161e+03	9.512440e+02	1.409548e+03	4.697623e+02	2.721078e+02
##	32141	32142	32143	32144	32145
##	1.354524e+03	1.197511e+03	1.199362e+03	1.364028e+03	1.349304e+03
##	32146	32147	32148	32149	32150

##	1.170326e+03	1.364814e+03	1.201167e+03	1.474817e+03	1.444952e+03
##	32151	32152	32153	32154	32155
##	6.881827e+02	1.070602e+03	1.117247e+03	1.100525e+03	1.129409e+03
##	32156	32157	32158	32159	32160
##	1.086897e+03	1.191274e+03	1.240911e+03	1.269048e+03	9.983270e+02
##	32161	32162	32163	32164	32165
##	1.377966e+03	1.401882e+03	4.509608e+02	1.538622e+03	1.470541e+03
##	32166	32167	32168	32169	32170
##	1.505559e+03	-1.005985e+03	-1.014073e+03	-2.502150e+02	4.210527e+02
##	32171	32172	32173	32174	32175
##	1.379934e+03	9.295522e+02	9.309281e+02	1.145600e+03	8.434089e+02
##	32176	32177	32178	32179	32180
##	6.414353e+02	6.659666e+02	8.110948e+02	6.140793e+02	5.236730e+02
##	32181	32182	32183	32184	32185
##	8.126045e+02	7.957421e+02	5.045921e+02	8.029121e+02	6.510155e+02
##	32186	32187	32188	32189	32190
##	8.095733e+02	4.633154e+02	4.877044e+02	4.215543e+02	2.926454e+02
##	32191	32192	32193	32194	32195
##	3.074494e+02	2.937138e+02	2.994046e+02	3.219692e+02	3.687651e+02
##	32196	32197	32198	32199	32200
##	2.346175e+02	3.090313e+02	1.782656e+02	2.600380e+02	2.052672e+02
##	32201	32202	32203	32204	32205
##	3.061605e+02	1.723164e+02	1.891340e+02	1.775287e+02	1.378883e+02
##	32206	32207	32208	32209	32210
##	2.037952e+02	3.686938e+02	1.990972e+02	1.147858e+03	8.829982e+02
##	32211	32212	32213	32214	32215
##	1.144058e+03	1.274047e+03	1.162305e+03	1.144847e+03	1.133006e+03
##	32216	32217	32218	32219	32220
##	1.136870e+03	1.140364e+03	1.139741e+03	1.124535e+03	1.149919e+03
##	32221	32222	32223	32224	32225
##	1.127406e+03	1.148453e+03	1.084018e+03	1.160013e+03	1.116969e+03
##	32226	32227	32228	32229	32230
##	1.143443e+03	1.145105e+03	1.174308e+03	1.151536e+03	1.136708e+03
##	32231	32232	32233	32234	32235
##	1.155142e+03	1.194093e+03	1.125017e+03	1.123355e+03	1.177179e+03
##	32236	32237	32238	32239	32240
##	1.134044e+03	1.170495e+03	1.190442e+03	1.177225e+03	1.103778e+03
##	32241	32242	32243	32244	32245
##	5.928466e+02	6.303987e+02	9.794797e+02	9.524327e+02	9.589094e+02
##	32246	32247	32248	32249	32250
##	9.714403e+02	9.760814e+02	9.914830e+02	9.963480e+02	9.628189e+02
##	32251	32252	32253	32254	32255
##	9.628189e+02	8.383025e+02	9.371797e+02	1.224186e+03	1.289893e+03
##	32256	32257	32258	32259	32260
##	1.279955e+03	1.118539e+03	8.117269e+02	9.205986e+02	1.252599e+03
##	32261	32262	32263	32264	32265
##	8.727771e+02	1.148615e+03	1.247897e+03	9.043119e+02	9.154753e+02
##	32266	32267	32268	32269	32270
##	1.070664e+03	7.823454e+02	1.336509e+03	1.069929e+03	1.099705e+03
##	32271	32272	32273	32274	32275
##	1.270395e+03	9.029532e+02	1.167523e+03	8.663883e+02	9.715064e+02
##	32276	32277	32278	32279	32280
##	9.746354e+02	1.212597e+03	1.278552e+03	1.130438e+03	1.076664e+03
##	32281	32282	32283	32284	32285

##	4.498934e+02	4.817093e+02	4.735155e+02	5.633575e+02	-8.000303e+02
##	32286	32287	32288	32289	32290
##	-7.941719e+02	2.859382e+02	-4.962620e+01	-1.787056e+02	4.436864e+02
##	32291	32292	32293	32294	32295
##	-2.254842e+03	-2.210241e+03	-1.710818e+02	-2.029711e+02	-3.591930e+02
##	32296	32297	32298	32299	32300
##	3.141948e+02	3.638218e+02	-6.973655e+02	-6.511469e+02	-6.681113e+02
##	32301	32302	32303	32304	32305
##	-5.908208e+02	-1.237228e+03	-1.212316e+03	-9.289837e+02	-3.829685e+02
##	32306	32307	32308	32309	32310
##	-3.258986e+02	3.346114e+02	2.583182e+02	-1.028087e+03	4.262091e+02
##	32311	32312	32313	32314	32315
##	8.863349e+02	8.395227e+02	9.953350e+02	1.192959e+03	1.031797e+03
##	32316	32317	32318	32319	32320
##	1.047015e+03	9.213047e+02	9.351790e+02	7.470967e+02	7.370141e+02
##	32321	32322	32323	32324	32325
##	8.215864e+02	8.837464e+02	8.741802e+02	9.256799e+02	1.034240e+03
##	32326	32327	32328	32329	32330
##	7.405747e+02	1.146633e+03	6.956152e+02	1.029494e+03	1.262160e+03
##	32331	32332	32333	32334	32335
##	1.252122e+03	9.807078e+02	1.056924e+03	8.410826e+02	7.154984e+02
##	32336	32337	32338	32339	32340
##	1.012058e+03	1.272597e+03	8.952455e+02	9.242634e+02	7.390030e+02
##	32341	32342	32343	32344	32345
##	9.513228e+02	1.201563e+03	9.326019e+02	1.044763e+03	8.767201e+02
##	32346	32347	32348	32349	32350
##	9.436118e+02	1.000458e+03	1.121400e+03	1.010754e+03	1.005582e+03
##	32351	32352	32353	32354	32355
##	1.200413e+03	1.270299e+03	1.291921e+03	1.288838e+03	1.015760e+03
##	32356	32357	32358	32359	32360
##	9.583401e+02	9.331664e+02	7.795253e+02	1.138444e+03	8.907397e+02
##	32361	32362	32363	32364	32365
##	9.909137e+02	1.079489e+03	1.165373e+03	1.141946e+03	1.127935e+03
##	32366	32367	32368	32369	32370
##	1.424209e+03	1.434550e+03	7.494036e+02	7.436059e+02	1.261565e+03
##	32371	32372	32373	32374	32375
##	1.186333e+03	1.108752e+03	1.210571e+03	1.194438e+03	1.257989e+03
##	32376	32377	32378	32379	32380
##	2.949569e+02	6.256823e+02	1.185152e+02	-8.577780e+02	-8.400160e+02
##	32381	32382	32383	32384	32385
##	-8.351951e+02	-7.954640e+02	7.749414e+02	7.653356e+02	1.657407e+03
##	32386	32387	32388	32389	32390
##	1.618598e+03	1.204455e+03	1.556979e+03	3.492353e+02	1.142159e+03
##	32391	32392	32393	32394	32395
##	1.134755e+03	1.074645e+03	1.180353e+03	1.363075e+03	1.323293e+03
##	32396	32397	32398	32399	32400
##	1.404327e+03	1.403288e+03	1.373203e+03	1.352942e+03	6.053033e+02
##	32401	32402	32403	32404	32405
##	2.233253e+02	3.268802e+02	2.742846e+02	2.043684e+02	2.197194e+02
##	32406	32407	32408	32409	32410
##	2.623774e+02	3.955978e+02	9.123563e+02	9.425323e+02	8.218546e+02
##	32411	32412	32413	32414	32415
##	9.542945e+02	9.822252e+02	1.010473e+03	6.145036e+02	9.904758e+02
##	32416	32417	32418	32419	32420

##	9.873468e+02	8.740730e+02	9.800217e+02	8.011544e+02	9.773149e+02
##	32421	32422	32423	32424	32425
##	8.740223e+02	9.697940e+02	9.050821e+02	8.702089e+02	8.414105e+02
##	32426	32427	32428	32429	32430
##	1.268409e+03	1.026181e+03	1.029052e+03	1.012397e+03	8.157494e+02
##	32431	32432	32433	32434	32435
##	8.677429e+02	7.530430e+02	1.390605e+03	8.411973e+02	9.142805e+02
##	32436	32437	32438	32439	32440
##	7.826229e+02	8.801479e+02	8.691262e+02	7.262427e+02	7.505842e+02
##	32441	32442	32443	32444	32445
##	6.340803e+02	7.364381e+02	7.202429e+02	7.079262e+02	6.283894e+02
##	32446	32447	32448	32449	32450
##	6.895969e+02	7.093744e+02	7.670596e+02	6.789908e+02	9.070723e+02
##	32451	32452	32453	32454	32455
##	8.105488e+02	1.080297e+03	1.170876e+03	1.422614e+03	6.772676e+02
##	32456	32457	32458	32459	32460
##	6.565345e+02	1.017264e+03	1.146759e+03	1.044515e+03	1.443247e+03
##	32461	32462	32463	32464	32465
##	1.439900e+03	1.446377e+03	9.858822e+02	9.352773e+02	1.160721e+03
##	32466	32467	32468	32469	32470
##	1.361986e+03	6.221032e+02	4.160703e+02	5.428206e+02	-1.249399e+02
##	32471	32472	32473	32474	32475
##	-1.888706e+01	1.161419e+03	1.136814e+03	1.208319e+03	1.180532e+03
##	32476	32477	32478	32479	32480
##	1.728690e+02	9.663447e+02	1.016446e+03	1.536362e+03	1.570774e+03
##	32481	32482	32483	32484	32485
##	5.845183e+02	6.050432e+02	6.168680e+02	8.526233e+02	6.480947e+02
##	32486	32487	32488	32489	32490
##	6.452239e+02	-8.342580e+01	3.088706e+02	1.177041e+03	1.189117e+03
##	32491	32492	32493	32494	32495
##	1.200094e+03	1.125722e+03	1.247514e+03	1.041348e+03	1.446318e+03
##	32496	32497	32498	32499	32500
##	1.374295e+03	4.354799e+02	9.490358e+02	-7.012012e+02	7.243548e+02
##	32501	32502	32503	32504	32505
##	6.756913e+02	7.814238e+02	4.361543e+02	4.944996e+02	1.145964e+03
##	32506	32507	32508	32509	32510
##	1.098234e+03	4.328956e+02	-4.903520e+02	-3.197315e+02	-6.896016e+02
##	32511	32512	32513	32514	32515
##	-4.800111e+02	-6.798282e+02	-8.099335e+01	-3.122920e+02	-4.055945e+02
##	32516	32517	32518	32519	32520
##	-2.612653e+02	-3.650267e+02	-2.033237e+02	-3.334470e+02	1.352085e+03
##	32521	32522	32523	32524	32525
##	8.288165e+02	8.880958e+02	1.251695e+03	1.377776e+03	1.843054e+03
##	32526	32527	32528	32529	32530
##	9.087569e+02	7.917681e+02	8.177894e+02	7.782151e+02	1.203493e+03
##	32531	32532	32533	32534	32535
##	1.191439e+03	7.530325e+02	9.014036e+02	8.229563e+02	1.092171e+03
##	32536	32537	32538	32539	32540
##	5.490663e+02	1.010839e+03	1.079488e+03	1.053683e+03	1.060666e+03
##	32541	32542	32543	32544	32545
##	1.063148e+03	1.031215e+03	1.123500e+03	1.048038e+03	1.103366e+03
##	32546	32547	32548	32549	32550
##	1.256370e+03	1.301951e+03	1.163474e+03	1.249539e+03	1.339744e+03
##	32551	32552	32553	32554	32555

##	-5.885107e+01	7.100480e+02	1.391139e+03	9.846347e+02	1.378908e+03
##	32556	32557	32558	32559	32560
##	1.333954e+03	1.359596e+03	1.376510e+03	6.253762e+02	5.184492e+02
##	32561	32562	32563	32564	32565
##	1.221957e+03	9.851096e+02	1.047213e+03	9.798412e+02	-3.401079e+02
##	32566	32567	32568	32569	32570
##	1.083070e+03	1.008376e+03	9.908397e+02	1.142305e+03	9.245654e+02
##	32571	32572	32573	32574	32575
##	1.070476e+03	9.489491e+02	1.489437e+03	1.074295e+03	1.293395e+03
##	32576	32577	32578	32579	32580
##	1.362380e+03	4.775089e+02	1.153419e+03	1.021283e+03	5.968149e+02
##	32581	32582	32583	32584	32585
##	1.183572e+03	3.987009e+02	1.222559e+03	1.336332e+03	1.504962e+03
##	32586	32587	32588	32589	32590
##	1.361376e+03	1.508687e+03	1.482168e+03	1.451642e+03	1.170682e+03
##	32591	32592	32593	32594	32595
##	1.238365e+03	1.222276e+03	1.297971e+03	1.289196e+03	1.279159e+03
##	32596	32597	32598	32599	32600
##	1.311188e+03	1.272328e+03	1.279590e+03	1.374013e+03	1.082821e+03
##	32601	32602	32603	32604	32605
##	1.244576e+03	4.921043e+02	5.404037e+02	4.868413e+02	5.080471e+02
##	32606	32607	32608	32609	32610
##	7.009413e+02	3.948595e+02	5.723550e+02	4.184628e+02	5.458755e+02
##	32611	32612	32613	32614	32615
##	3.989545e+02	-8.308501e+02	-1.033857e+03	-3.030446e+01	6.073559e+02
##	32616	32617	32618	32619	32620
##	-4.753120e+02	-3.057755e+02	-1.652288e+02	-1.807383e+02	-3.531986e+02
##	32621	32622	32623	32624	32625
##	-3.399869e+02	-3.451501e+02	-6.953789e+02	-5.786040e+02	-2.402709e+02
##	32626	32627	32628	32629	32630
##	8.324588e+02	1.008666e+03	1.079642e+03	8.930297e+02	8.622758e+02
##	32631	32632	32633	32634	32635
##	4.997402e+02	5.272919e+02	-8.548020e+01	-1.714911e+02	-1.148272e+03
##	32636	32637	32638	32639	32640
##	1.547215e+02	-1.000622e+01	-2.186447e+01	-1.102940e+03	-1.070093e+03
##	32641	32642	32643	32644	32645
##	5.627438e+02	5.329221e+02	4.449423e+02	4.316292e+02	5.027460e+02
##	32646	32647	32648	32649	32650
##	4.325057e+02	5.626985e+02	5.986876e+02	4.998753e+02	4.552325e+02
##	32651	32652	32653	32654	32655
##	4.967462e+02	4.967462e+02	5.100086e+02	4.758989e+02	3.533417e+02
##	32656	32657	32658	32659	32660
##	3.835178e+02	2.520285e+02	2.218525e+02	3.923247e+02	3.642556e+02
##	32661	32662	32663	32664	32665
##	5.012794e+02	4.634677e+02	4.510365e+02	4.377741e+02	5.772477e+02
##	32666	32667	32668	32669	32670
##	6.365517e+02	6.959312e+02	5.206712e+02	7.046433e+02	6.101868e+02
##	32671	32672	32673	32674	32675
##	5.676195e+02	6.856847e+02	6.952451e+02	6.851625e+02	6.057856e+02
##	32676	32677	32678	32679	32680
##	5.195081e+02	5.487116e+02	5.915264e+02	5.616704e+02	5.554466e+02
##	32681	32682	32683	32684	32685
##	5.453639e+02	5.824990e+02	5.028020e+02	5.458861e+02	6.307930e+02
##	32686	32687	32688	32689	32690

##	5.534523e+02	4.947460e+02	5.313987e+02	5.144343e+02	3.080237e+02
##	32691	32692	32693	32694	32695
##	4.894151e+02	5.608110e+02	3.719364e+02	5.620517e+02	4.481889e+02
##	32696	32697	32698	32699	32700
##	6.013006e+02	5.234487e+02	4.554968e+02	6.125181e+02	5.595192e+02
##	32701	32702	32703	32704	32705
##	5.426055e+02	6.158657e+02	5.953008e+02	6.155510e+02	4.844817e+02
##	32706	32707	32708	32709	32710
##	4.655848e+02	5.960812e+02	4.490201e+02	3.873428e+02	5.763421e+02
##	32711	32712	32713	32714	32715
##	5.699108e+02	4.942359e+02	3.956728e+02	6.169098e+02	4.396727e+02
##	32716	32717	32718	32719	32720
##	5.892261e+02	4.039075e+02	4.901154e+02	5.676129e+02	4.438969e+02
##	32721	32722	32723	32724	32725
##	5.479246e+02	3.976837e+02	5.213997e+02	4.672926e+02	5.552778e+02
##	32726	32727	32728	32729	32730
##	6.109553e+02	4.342911e+02	6.137354e+02	4.173774e+02	5.912162e+02
##	32731	32732	32733	32734	32735
##	5.382681e+02	4.241124e+02	4.161471e+02	2.362105e+02	4.418573e+02
##	32736	32737	32738	32739	32740
##	4.053006e+02	5.385771e+02	5.619674e+02	4.781746e+02	5.756524e+02
##	32741	32742	32743	32744	32745
##	1.135040e+03	5.181040e+02	5.869814e+02	1.428286e+03	8.950848e+02
##	32746	32747	32748	32749	32750
##	1.033242e+03	1.290504e+03	1.268626e+03	1.283100e+03	1.269153e+03
##	32751	32752	32753	32754	32755
##	9.083674e+02	-5.997495e+02	3.393049e+02	2.822668e+02	2.739018e+02
##	32756	32757	32758	32759	32760
##	4.124142e+02	-5.808362e+02	1.768118e+02	1.817504e+02	2.219863e+02
##	32761	32762	32763	32764	32765
##	1.993085e+02	3.678186e+02	3.742953e+02	5.196150e+02	4.895404e+02
##	32766	32767	32768	32769	32770
##	4.754014e+02	4.542410e+02	3.627007e+02	3.494382e+02	4.864113e+02
##	32771	32772	32773	32774	32775
##	4.580599e+02	4.124596e+02	4.118867e+02	3.775694e+02	4.381532e+02
##	32776	32777	32778	32779	32780
##	2.932314e+02	3.292659e+02	3.086502e+02	3.982512e+02	-4.717010e+02
##	32781	32782	32783	32784	32785
##	3.274581e+02	1.496917e+03	1.663934e+03	8.515392e+02	9.848438e+02
##	32786	32787	32788	32789	32790
##	1.485169e+03	1.215408e+03	1.592622e+03	1.629372e+03	9.975054e+02
##	32791	32792	32793	32794	32795
##	7.444474e+02	6.321523e+02	7.249109e+02	8.580666e+02	8.623133e+02
##	32796	32797	32798	32799	32800
##	9.673854e+02	5.166109e+02	1.492726e+03	6.884285e+02	1.163902e+03
##	32801	32802	32803	32804	32805
##	1.095258e+03	9.356303e+02	1.219334e+03	1.203408e+03	1.112997e+03
##	32806	32807	32808	32809	32810
##	1.191360e+03	9.605093e+02	1.155533e+03	1.165234e+03	1.100521e+03
##	32811	32812	32813	32814	32815
##	1.097746e+03	1.185354e+03	1.090135e+03	9.723999e+02	1.162105e+03
##	32816	32817	32818	32819	32820
##	1.219238e+03	1.102864e+03	1.079266e+03	9.581172e+02	1.073579e+03
##	32821	32822	32823	32824	32825

##	1.082855e+03	1.159285e+03	1.117389e+03	1.117485e+03	1.115470e+03
##	32826	32827	32828	32829	32830
##	1.204718e+03	1.092483e+03	1.115341e+03	1.563517e+03	1.270432e+03
##	32831	32832	32833	32834	32835
##	1.156269e+03	1.120385e+03	1.155052e+03	-2.370788e+03	2.429861e+02
##	32836	32837	32838	32839	32840
##	6.647414e+02	6.371680e+02	6.483401e+02	-1.072087e+02	3.500399e+02
##	32841	32842	32843	32844	32845
##	1.114638e+03	7.803854e+02	9.486976e+02	1.147884e+03	6.850492e+02
##	32846	32847	32848	32849	32850
##	7.264481e+02	8.715409e+02	9.808046e+02	6.771796e+02	7.173888e+02
##	32851	32852	32853	32854	32855
##	4.006132e+02	1.022419e+03	6.470502e+02	6.376362e+02	6.616701e+02
##	32856	32857	32858	32859	32860
##	6.951142e+02	8.075711e+02	8.119693e+02	6.970314e+02	1.264203e+03
##	32861	32862	32863	32864	32865
##	1.151727e+03	1.453412e+03	1.380147e+03	9.460343e+02	8.053364e+02
##	32866	32867	32868	32869	32870
##	1.548982e+03	-1.428623e+01	5.807344e+02	1.669980e+03	1.435690e+03
##	32871	32872	32873	32874	32875
##	8.400582e+02	1.328979e+03	1.041765e+03	1.134217e+03	-4.961571e+02
##	32876	32877	32878	32879	32880
##	3.878137e+02	3.784662e+02	4.026878e+02	4.014885e+02	4.001840e+02
##	32881	32882	32883	32884	32885
##	-7.917848e+02	-6.134904e+02	-7.322400e+02	-6.804985e+02	-7.387692e+02
##	32886	32887	32888	32889	32890
##	-7.386354e+02	-5.238897e+02	4.797718e+02	4.111450e+02	2.371520e+02
##	32891	32892	32893	32894	32895
##	3.061319e+02	3.746020e+02	3.549082e+02	3.717258e+02	2.906732e+02
##	32896	32897	32898	32899	32900
##	1.812640e+02	3.226418e+02	3.556941e+02	1.890641e+02	3.146782e+02
##	32901	32902	32903	32904	32905
##	2.566788e+02	3.242632e+02	7.163466e+02	1.059394e+03	1.150615e+03
##	32906	32907	32908	32909	32910
##	1.396699e+03	1.007014e+03	9.288103e+02	1.445641e+03	1.024989e+03
##	32911	32912	32913	32914	32915
##	7.752450e+02	9.631320e+02	1.426521e+03	5.110396e+02	8.584900e+02
##	32916	32917	32918	32919	32920
##	1.274539e+03	1.002152e+03	1.047014e+03	1.052182e+03	9.027161e+02
##	32921	32922	32923	32924	32925
##	8.302717e+02	1.015479e+03	9.642402e+02	1.055890e+03	8.340021e+02
##	32926	32927	32928	32929	32930
##	1.040228e+03	1.014012e+03	9.269997e+02	9.034625e+02	9.225172e+02
##	32931	32932	32933	32934	32935
##	1.221944e+03	1.439048e+03	6.009915e+02	1.129877e+03	1.070157e+03
##	32936	32937	32938	32939	32940
##	9.914023e+02	1.023000e+03	1.130526e+03	9.640916e+02	1.052767e+03
##	32941	32942	32943	32944	32945
##	-1.038123e+03	-9.360346e+02	-1.141855e+03	-1.030502e+03	-9.395969e+02
##	32946	32947	32948	32949	32950
##	-1.003510e+03	-1.124990e+03	-9.865906e+02	-1.114749e+03	2.771798e+02
##	32951	32952	32953	32954	32955
##	4.093452e+02	-1.006027e+03	-7.974809e+02	-1.032975e+03	1.170533e+02
##	32956	32957	32958	32959	32960

##	1.284948e+02	3.901855e+02	4.398048e+02	-7.148981e+02	-2.186879e+02
##	32961	32962	32963	32964	32965
##	-1.005304e+02	-1.673592e+02	-6.834197e+01	-1.079824e+02	-8.200692e+02
##	32966	32967	32968	32969	32970
##	-7.677394e+02	-8.441624e+02	-9.711962e+02	-9.005992e+02	-7.529780e+02
##	32971	32972	32973	32974	32975
##	1.003609e+03	9.339532e+02	9.610627e+02	1.038724e+03	1.066551e+03
##	32976	32977	32978	32979	32980
##	9.699948e+02	1.322197e+03	1.054857e+03	1.335201e+03	9.009517e+02
##	32981	32982	32983	32984	32985
##	1.108591e+03	1.112035e+03	1.086503e+03	9.119109e+02	1.018568e+03
##	32986	32987	32988	32989	32990
##	1.304554e+03	-5.086933e+02	-3.237968e+02	-2.310427e+02	-2.799376e+02
##	32991	32992	32993	32994	32995
##	-2.460422e+02	-2.505247e+02	-1.905269e+02	-2.573104e+02	-2.378842e+02
##	32996	32997	32998	32999	33000
##	-3.019070e+02	-4.332894e+02	-4.338354e+02	-3.188304e+02	-4.733245e+02
##	33001	33002	33003	33004	33005
##	5.138441e+02	1.383099e+03	1.351320e+03	1.511239e+03	1.165237e+03
##	33006	33007	33008	33009	33010
##	7.087568e+02	1.399964e+03	3.073893e+02	-2.526549e+02	9.266046e+02
##	33011	33012	33013	33014	33015
##	1.354519e+03	1.224088e+03	1.179370e+03	1.148077e+03	1.166703e+03
##	33016	33017	33018	33019	33020
##	6.598664e+02	-1.224531e+02	1.330156e+03	1.525510e+03	1.495476e+03
##	33021	33022	33023	33024	33025
##	1.515950e+03	1.441243e+03	1.527400e+03	1.532365e+03	1.462599e+03
##	33026	33027	33028	33029	33030
##	1.494191e+03	1.468407e+03	1.505363e+03	1.511542e+03	1.476642e+03
##	33031	33032	33033	33034	33035
##	1.471581e+03	1.244744e+03	1.199413e+03	1.178102e+03	1.244744e+03
##	33036	33037	33038	33039	33040
##	1.195756e+03	1.197841e+03	1.168451e+03	1.231056e+03	1.210176e+03
##	33041	33042	33043	33044	33045
##	1.221394e+03	1.208188e+03	1.215445e+03	1.231836e+03	1.241919e+03
##	33046	33047	33048	33049	33050
##	1.249510e+03	1.243865e+03	1.267165e+03	1.270288e+03	1.284759e+03
##	33051	33052	33053	33054	33055
##	1.244696e+03	1.270924e+03	1.288719e+03	1.242988e+03	1.257604e+03
##	33056	33057	33058	33059	33060
##	1.297644e+03	1.270867e+03	1.291287e+03	1.251128e+03	1.270243e+03
##	33061	33062	33063	33064	33065
##	1.269508e+03	1.242938e+03	1.280422e+03	1.067777e+03	1.034086e+03
##	33066	33067	33068	33069	33070
##	1.022818e+03	1.030911e+03	1.057644e+03	1.048864e+03	1.051785e+03
##	33071	33072	33073	33074	33075
##	1.083788e+03	1.060302e+03	1.085567e+03	1.051000e+03	1.179434e+03
##	33076	33077	33078	33079	33080
##	9.993249e+02	1.092006e+03	9.842815e+02	-2.310541e+02	-1.248913e+03
##	33081	33082	33083	33084	33085
##	8.472515e+02	7.664533e+02	1.346955e+03	1.436294e+03	9.091343e+02
##	33086	33087	33088	33089	33090
##	1.241699e+03	-3.757663e+01	1.468743e+03	1.507987e+03	1.246031e+03
##	33091	33092	33093	33094	33095

##	1.566497e+03	1.581490e+03	1.059396e+03	1.063357e+03	1.083045e+03
##	33096	33097	33098	33099	33100
##	1.326412e+03	1.371113e+03	1.248111e+03	8.316631e+02	1.583075e+03
##	33101	33102	33103	33104	33105
##	6.786143e+02	1.334066e+03	-1.395113e+03	1.454816e+03	1.394033e+03
##	33106	33107	33108	33109	33110
##	1.468332e+03	9.083314e+02	1.237349e+03	6.754683e+02	8.273286e+02
##	33111	33112	33113	33114	33115
##	8.740076e+02	2.762914e+02	8.072907e+02	7.322656e+02	-2.379182e+02
##	33116	33117	33118	33119	33120
##	9.244267e+02	8.458483e+02	1.096336e+03	1.128927e+03	1.018294e+03
##	33121	33122	33123	33124	33125
##	1.213716e+03	1.355509e+03	2.925176e+02	9.516102e+02	1.000172e+03
##	33126	33127	33128	33129	33130
##	1.014243e+03	7.876600e+02	1.371169e+03	1.081251e+03	1.351172e+03
##	33131	33132	33133	33134	33135
##	1.299199e+03	9.568698e+02	1.056339e+03	1.199154e+03	1.177707e+03
##	33136	33137	33138	33139	33140
##	1.267096e+03	1.220933e+03	1.373163e+03	9.885094e+02	9.681825e+02
##	33141	33142	33143	33144	33145
##	7.736625e+02	1.218084e+03	1.149879e+03	1.002963e+03	9.063686e+02
##	33146	33147	33148	33149	33150
##	8.096009e+02	1.141196e+03	1.183661e+03	9.536044e+02	1.048300e+03
##	33151	33152	33153	33154	33155
##	1.061608e+03	1.296446e+03	1.118327e+03	1.061894e+03	1.057485e+03
##	33156	33157	33158	33159	33160
##	1.045711e+03	9.086993e+02	1.155188e+03	1.020828e+03	8.705924e+02
##	33161	33162	33163	33164	33165
##	1.383549e+03	1.052475e+03	1.153581e+03	1.168704e+03	4.600239e+02
##	33166	33167	33168	33169	33170
##	1.632744e+03	9.607615e+02	1.191581e+03	1.328501e+03	1.183467e+03
##	33171	33172	33173	33174	33175
##	1.027230e+03	1.445013e+03	1.268167e+03	6.139526e+02	-3.601079e+02
##	33176	33177	33178	33179	33180
##	-2.753550e+02	-4.550534e+02	-3.594306e+02	-3.747492e+02	-3.615376e+02
##	33181	33182	33183	33184	33185
##	-4.108291e+02	-6.019224e+02	-2.172075e+02	-1.202999e+02	-1.136837e+03
##	33186	33187	33188	33189	33190
##	1.233585e+03	1.057731e+03	6.085259e+02	1.381399e+03	1.221881e+03
##	33191	33192	33193	33194	33195
##	1.207604e+03	1.206021e+03	8.848112e+02	3.890298e+02	4.119310e+02
##	33196	33197	33198	33199	33200
##	5.368273e+02	7.853295e+02	1.006051e+03	9.539792e+02	8.242633e+02
##	33201	33202	33203	33204	33205
##	4.570507e+01	1.312336e+03	1.424015e+03	1.362375e+03	7.351216e+02
##	33206	33207	33208	33209	33210
##	1.293021e+03	1.251863e+03	-1.481263e+03	1.139444e+03	1.008320e+03
##	33211	33212	33213	33214	33215
##	1.278398e+03	9.725270e+02	6.870916e+02	8.959159e+02	9.195192e+02
##	33216	33217	33218	33219	33220
##	1.717954e+03	-3.976436e+02	7.909136e+02	1.316988e+03	1.229165e+03
##	33221	33222	33223	33224	33225
##	1.047003e+03	1.415565e+03	5.845513e+02	1.030608e+03	1.035054e+03
##	33226	33227	33228	33229	33230

##	9.637945e+02	1.272312e+03	1.202460e+03	1.082289e+03	9.864354e+02
##	33231	33232	33233	33234	33235
##	1.310016e+03	4.255441e+02	6.748676e+02	9.261143e+02	1.505988e+03
##	33236	33237	33238	33239	33240
##	1.318256e+03	1.464904e+03	1.417601e+03	1.422869e+03	4.661678e+02
##	33241	33242	33243	33244	33245
##	4.070265e+02	7.144929e+02	7.870993e+02	7.003230e+02	1.345064e+03
##	33246	33247	33248	33249	33250
##	1.399815e+03	1.143731e+03	1.119879e+03	9.849345e+02	7.388186e+02
##	33251	33252	33253	33254	33255
##	7.189834e+02	7.306831e+02	1.048091e+03	1.032530e+03	1.096982e+03
##	33256	33257	33258	33259	33260
##	1.064128e+03	1.083535e+03	1.526451e+03	1.157285e+03	1.306273e+03
##	33261	33262	33263	33264	33265
##	1.553872e+03	1.530865e+03	1.323975e+03	1.280582e+03	1.306242e+03
##	33266	33267	33268	33269	33270
##	1.360498e+03	1.343681e+03	3.649476e+02	1.404446e+03	1.058227e+03
##	33271	33272	33273	33274	33275
##	-7.687781e+02	-9.815424e+02	-7.576734e+02	-9.424750e+02	-5.627778e+02
##	33276	33277	33278	33279	33280
##	-6.382882e+01	5.385444e+01	4.188867e+02	8.316020e+02	4.858106e+02
##	33281	33282	33283	33284	33285
##	-3.697746e+02	-3.373348e+02	-1.044248e+03	-8.867521e+02	-7.695422e+02
##	33286	33287	33288	33289	33290
##	-7.879108e+02	-9.729199e+02	-3.291670e+02	-2.245833e+02	-3.601522e+02
##	33291	33292	33293	33294	33295
##	-7.695876e+02	-8.886502e+02	-8.240855e+02	-7.375911e+02	-4.010684e+02
##	33296	33297	33298	33299	33300
##	-7.904431e+02	-4.656443e+02	-7.105481e+02	-5.509250e+02	-2.141917e+02
##	33301	33302	33303	33304	33305
##	1.201815e+03	-2.246946e+03	9.528255e+02	1.549798e+03	-1.324815e+02
##	33306	33307	33308	33309	33310
##	7.484072e+02	1.411402e+03	1.149889e+03	1.252318e+03	1.395583e+03
##	33311	33312	33313	33314	33315
##	3.012987e+02	4.955341e+02	5.381975e+02	4.592904e+02	4.990285e+02
##	33316	33317	33318	33319	33320
##	3.519674e+02	3.578766e+02	3.804411e+02	5.638857e+02	5.417980e+02
##	33321	33322	33323	33324	33325
##	3.791767e+02	5.161044e+02	4.482634e+02	4.837265e+02	5.461898e+02
##	33326	33327	33328	33329	33330
##	4.941635e+02	4.376755e+02	4.985063e+02	-4.916783e+02	-3.320991e+03
##	33331	33332	33333	33334	33335
##	7.770994e+02	9.327360e+02	4.393374e+02	9.642673e+02	1.423849e+03
##	33336	33337	33338	33339	33340
##	1.058577e+03	1.098268e+03	1.159891e+03	1.085641e+03	9.865738e+02
##	33341	33342	33343	33344	33345
##	6.358796e+02	9.693852e+02	1.028401e+03	8.750954e+02	9.685635e+02
##	33346	33347	33348	33349	33350
##	9.656927e+02	1.082719e+03	9.818766e+02	9.774395e+02	1.108671e+03
##	33351	33352	33353	33354	33355
##	9.857879e+02	1.068149e+03	9.650083e+02	1.145331e+03	9.864103e+02
##	33356	33357	33358	33359	33360
##	9.187444e+02	9.459046e+02	4.761523e+02	1.052066e+03	3.046452e+01
##	33361	33362	33363	33364	33365

##	6.100733e+02	8.943929e+02	1.093209e+03	1.083709e+03	9.075747e+02
##	33366	33367	33368	33369	33370
##	1.011222e+03	1.154200e+03	8.051475e+02	9.914204e+02	6.839189e+02
##	33371	33372	33373	33374	33375
##	7.868013e+02	6.846466e+02	9.209231e+02	9.776978e+02	1.085803e+03
##	33376	33377	33378	33379	33380
##	7.880586e+02	4.922402e+02	1.072637e+03	7.407843e+02	1.107789e+03
##	33381	33382	33383	33384	33385
##	6.469520e+02	9.774395e+02	3.417497e+00	1.089460e+03	1.219491e+03
##	33386	33387	33388	33389	33390
##	1.492899e+03	1.505903e+03	8.935772e+02	1.642350e+03	1.595796e+03
##	33391	33392	33393	33394	33395
##	1.531722e+03	1.430422e+03	1.459132e+03	1.370327e+03	1.344684e+03
##	33396	33397	33398	33399	33400
##	1.360721e+03	-5.724945e+02	1.165404e+03	9.730360e+02	3.860555e+02
##	33401	33402	33403	33404	33405
##	1.310655e+03	3.101861e+02	1.478578e+03	1.061108e+03	1.173964e+03
##	33406	33407	33408	33409	33410
##	1.121456e+03	1.130803e+03	1.182049e+03	1.170232e+03	1.077204e+03
##	33411	33412	33413	33414	33415
##	1.064038e+03	7.788979e+02	2.905130e+02	5.221076e+02	5.618387e+02
##	33416	33417	33418	33419	33420
##	4.807594e+02	5.084681e+02	4.534583e+02	5.011602e+02	5.455447e+02
##	33421	33422	33423	33424	33425
##	6.643998e+02	6.204391e+02	6.401275e+02	6.401275e+02	6.269612e+02
##	33426	33427	33428	33429	33430
##	6.430490e+02	7.094398e+02	7.578961e+02	8.046368e+02	7.584690e+02
##	33431	33432	33433	33434	33435
##	7.350732e+02	6.386625e+02	6.213998e+02	6.546488e+02	7.482903e+02
##	33436	33437	33438	33439	33440
##	7.459871e+02	7.423865e+02	5.428541e+02	6.318368e+02	7.623332e+02
##	33441	33442	33443	33444	33445
##	7.490708e+02	7.262533e+02	7.366849e+02	7.527274e+02	7.563787e+02
##	33446	33447	33448	33449	33450
##	6.327134e+02	6.608686e+02	7.828074e+02	7.366903e+02	7.279104e+02
##	33451	33452	33453	33454	33455
##	7.571645e+02	5.968411e+02	6.627480e+02	6.267589e+02	7.901607e+02
##	33456	33457	33458	33459	33460
##	7.372125e+02	5.981271e+02	7.664667e+02	7.536040e+02	5.808039e+02
##	33461	33462	33463	33464	33465
##	6.245117e+02	5.749002e+02	6.104835e+02	6.058294e+02	5.451549e+02
##	33466	33467	33468	33469	33470
##	5.554904e+02	6.102158e+02	5.591924e+02	6.563836e+02	6.054109e+02
##	33471	33472	33473	33474	33475
##	7.321093e+02	6.600856e+02	6.138671e+02	6.366952e+02	5.267638e+02
##	33476	33477	33478	33479	33480
##	6.573109e+02	6.837850e+02	5.824920e+02	6.138724e+02	6.668206e+02
##	33481	33482	33483	33484	33485
##	5.458846e+02	6.806052e+02	5.334988e+02	5.600236e+02	4.873363e+02
##	33486	33487	33488	33489	33490
##	6.214840e+02	5.307241e+02	6.713031e+02	4.974697e+02	6.251406e+02
##	33491	33492	33493	33494	33495
##	6.324485e+02	6.617481e+02	6.644774e+02	5.142872e+02	4.779381e+02
##	33496	33497	33498	33499	33500

##	6.890534e+02	6.493169e+02	6.324032e+02	6.067096e+02	6.126641e+02
##	33501	33502	33503	33504	33505
##	6.920356e+02	4.611982e+02	4.580691e+02	5.497274e+02	7.687645e+02
##	33506	33507	33508	33509	33510
##	5.888524e+02	6.118782e+02	1.240055e+03	2.064980e+01	-1.365440e+01
##	33511	33512	33513	33514	33515
##	1.806209e+02	1.460121e+03	1.674546e+02	8.552969e+02	6.609550e+02
##	33516	33517	33518	33519	33520
##	-5.476963e+02	5.828101e+02	1.345457e+03	1.397567e+03	8.803655e+02
##	33521	33522	33523	33524	33525
##	-4.277609e+02	8.513569e+02	8.324037e+02	1.189406e+02	1.234366e+03
##	33526	33527	33528	33529	33530
##	1.145308e+03	1.154919e+03	1.138309e+03	1.024301e+03	1.022340e+03
##	33531	33532	33533	33534	33535
##	1.203436e+03	1.184999e+03	1.103161e+03	1.176176e+03	1.160823e+03
##	33536	33537	33538	33539	33540
##	9.872880e+02	1.147611e+03	1.088754e+03	1.254156e+03	1.158026e+03
##	33541	33542	33543	33544	33545
##	1.157172e+03	1.187876e+03	1.276096e+03	1.250403e+03	1.209272e+03
##	33546	33547	33548	33549	33550
##	7.420863e+02	1.172568e+03	1.108284e+03	1.154397e+03	1.171945e+03
##	33551	33552	33553	33554	33555
##	1.519488e+03	9.810888e+02	1.465941e+03	1.433548e+03	-2.305479e+01
##	33556	33557	33558	33559	33560
##	-4.980935e+02	-5.527807e+02	-6.225918e+02	-6.591538e+02	-5.354378e+02
##	33561	33562	33563	33564	33565
##	-5.606545e+02	-6.524081e+02	-8.122032e+02	-3.935107e+02	-1.253173e+03
##	33566	33567	33568	33569	33570
##	9.333094e+02	1.051475e+03	1.154361e+03	1.020304e+03	1.040205e+03
##	33571	33572	33573	33574	33575
##	1.275982e+03	7.999197e+02	6.726454e+02	1.113682e+03	1.164114e+03
##	33576	33577	33578	33579	33580
##	1.071123e+03	1.425392e+03	1.093131e+03	1.095175e+03	1.097666e+03
##	33581	33582	33583	33584	33585
##	1.090205e+03	1.215835e+03	-2.722395e+02	1.403911e+03	1.227524e+03
##	33586	33587	33588	33589	33590
##	1.594430e+03	1.277081e+03	-4.074232e+02	8.321408e+02	7.713520e+02
##	33591	33592	33593	33594	33595
##	3.494092e+02	4.707158e+02	6.857607e+02	6.888390e+02	6.813743e+02
##	33596	33597	33598	33599	33600
##	7.174524e+02	7.844676e+02	7.118256e+02	6.312444e+02	7.836871e+02
##	33601	33602	33603	33604	33605
##	-3.224384e+02	-3.481202e+02	-3.078897e+02	-8.462298e+02	-6.726869e+02
##	33606	33607	33608	33609	33610
##	-9.607977e+02	-2.924427e+02	-7.282023e+02	-6.876799e+02	-6.924432e+02
##	33611	33612	33613	33614	33615
##	-5.040220e+02	-8.811294e+02	-1.041332e+03	-3.221402e+02	-1.016262e+03
##	33616	33617	33618	33619	33620
##	-3.080299e+02	-3.290996e+02	-2.705966e+02	-5.709677e+02	-3.168772e+02
##	33621	33622	33623	33624	33625
##	6.203976e+02	-9.655129e+02	-1.046243e+03	-1.032296e+03	-1.049909e+03
##	33626	33627	33628	33629	33630
##	-1.032995e+03	-8.694090e+02	-7.981300e+02	-5.087919e+02	-7.343556e+02
##	33631	33632	33633	33634	33635

##	5.733805e+02	6.379341e+02	4.562989e+02	3.642343e+02	4.702527e+02
##	33636	33637	33638	33639	33640
##	3.122778e+02	4.704603e+02	1.086302e+03	1.143692e+03	1.041346e+03
##	33641	33642	33643	33644	33645
##	1.078307e+03	1.188143e+03	9.459231e+02	1.072465e+03	1.085503e+03
##	33646	33647	33648	33649	33650
##	1.233363e+03	-9.442464e+01	1.202621e+03	1.019508e+03	1.604459e+03
##	33651	33652	33653	33654	33655
##	-2.242474e+02	-1.347618e+02	-3.719483e+02	-5.947606e+02	1.543817e+03
##	33656	33657	33658	33659	33660
##	1.437920e+03	1.083200e+03	1.125599e+03	1.736678e+03	8.710987e+02
##	33661	33662	33663	33664	33665
##	1.216002e+03	1.366620e+03	1.371057e+03	1.324013e+03	-2.371996e+03
##	33666	33667	33668	33669	33670
##	1.493622e+03	1.260659e+03	1.169609e+03	1.529353e+03	5.791735e+02
##	33671	33672	33673	33674	33675
##	1.653084e+02	-5.085375e+02	-1.109637e+03	1.260153e+03	1.364657e+03
##	33676	33677	33678	33679	33680
##	1.480768e+03	1.440200e+03	1.314373e+03	1.315108e+03	1.261830e+03
##	33681	33682	33683	33684	33685
##	1.327584e+03	4.668754e+02	4.366086e+02	1.271124e+03	6.003708e+02
##	33686	33687	33688	33689	33690
##	1.357171e+03	8.130779e+02	7.371456e+02	1.012486e+03	1.547784e+03
##	33691	33692	33693	33694	33695
##	1.529994e+03	1.566074e+03	1.279662e+03	1.256104e+03	1.299446e+03
##	33696	33697	33698	33699	33700
##	1.242016e+03	1.293543e+03	1.252402e+03	1.275798e+03	1.263412e+03
##	33701	33702	33703	33704	33705
##	1.327294e+03	1.352983e+03	1.346938e+03	1.338316e+03	1.319981e+03
##	33706	33707	33708	33709	33710
##	1.357723e+03	1.340024e+03	1.332367e+03	1.342708e+03	1.416083e+03
##	33711	33712	33713	33714	33715
##	7.583982e+02	7.445628e+02	1.177959e+03	1.097994e+03	1.114913e+03
##	33716	33717	33718	33719	33720
##	1.148122e+03	1.132607e+03	1.121597e+03	1.092349e+03	-3.256105e+02
##	33721	33722	33723	33724	33725
##	-2.098448e+02	-2.533394e+02	-1.144123e+02	-1.119016e+02	3.580281e+02
##	33726	33727	33728	33729	33730
##	5.173434e+02	-1.029095e+03	1.265958e+03	1.672527e+03	1.696709e+03
##	33731	33732	33733	33734	33735
##	9.029717e+02	1.235150e+03	1.255670e+03	1.242182e+03	1.457968e+03
##	33736	33737	33738	33739	33740
##	1.299827e+03	1.355736e+03	1.182173e+03	9.517263e+02	1.499289e+03
##	33741	33742	33743	33744	33745
##	1.589938e+03	1.598667e+03	1.366367e+03	1.343073e+03	1.379011e+03
##	33746	33747	33748	33749	33750
##	1.371062e+03	1.360721e+03	1.353459e+03	1.349757e+03	1.356330e+03
##	33751	33752	33753	33754	33755
##	1.367456e+03	1.366625e+03	1.348718e+03	1.387196e+03	1.390325e+03
##	33756	33757	33758	33759	33760
##	8.497593e+02	1.287086e+03	1.458754e+03	-5.389672e+02	1.950290e+02
##	33761	33762	33763	33764	33765
##	3.194699e+02	1.636953e+02	1.875623e+02	1.907423e+02	-5.241704e+01
##	33766	33767	33768	33769	33770

##	-2.410762e+03	-2.471980e+03	1.523541e+03	1.383242e+03	1.613537e+03
##	33771	33772	33773	33774	33775
##	1.425512e+03	6.582028e+01	5.688096e+01	1.118997e+01	-8.085271e+01
##	33776	33777	33778	33779	33780
##	1.279555e+03	1.065963e+03	1.065767e+03	9.265081e+02	7.185048e+02
##	33781	33782	33783	33784	33785
##	1.192886e+03	1.064461e+03	1.272807e+03	1.040863e+03	1.158764e+03
##	33786	33787	33788	33789	33790
##	9.750231e+02	1.095406e+03	6.772822e+02	1.077338e+03	1.033180e+03
##	33791	33792	33793	33794	33795
##	1.198582e+03	1.306924e+03	6.176427e+02	1.093366e+03	1.403003e+03
##	33796	33797	33798	33799	33800
##	1.093845e+03	1.398424e+03	1.221399e+03	1.314657e+03	1.141624e+03
##	33801	33802	33803	33804	33805
##	1.054252e+03	1.230086e+03	1.439037e+03	1.157803e+03	1.155232e+03
##	33806	33807	33808	33809	33810
##	1.342110e+03	4.484111e+02	1.206928e+03	1.403003e+03	1.172060e+03
##	33811	33812	33813	33814	33815
##	1.190633e+03	7.368593e+02	1.172111e+03	1.391735e+03	7.942633e+02
##	33816	33817	33818	33819	33820
##	4.560281e+02	1.355227e+03	4.660599e+02	1.087363e+03	1.423905e+03
##	33821	33822	33823	33824	33825
##	1.243229e+03	6.570589e+02	1.285627e+03	1.169804e+03	1.209799e+03
##	33826	33827	33828	33829	33830
##	1.685796e+03	5.936384e+02	8.064271e+02	1.441026e+03	1.443279e+03
##	33831	33832	33833	33834	33835
##	1.218189e+03	8.576405e+02	1.149626e+03	2.121505e+02	1.362344e+03
##	33836	33837	33838	33839	33840
##	1.392705e+03	1.310375e+03	-5.543275e+02	5.084786e+02	4.886280e+02
##	33841	33842	33843	33844	33845
##	5.691306e+02	1.180199e+03	1.404401e+03	1.416148e+03	1.398548e+03
##	33846	33847	33848	33849	33850
##	6.855402e+02	8.191203e+02	3.927704e+02	4.581951e+02	6.902863e+02
##	33851	33852	33853	33854	33855
##	8.014715e+02	7.458524e+02	5.432813e+02	4.457639e+02	4.917867e+02
##	33856	33857	33858	33859	33860
##	5.077784e+02	5.612995e+02	4.387424e+02	5.963366e+02	5.906403e+02
##	33861	33862	33863	33864	33865
##	4.924764e+02	4.141836e+02	6.111599e+02	4.413268e+02	5.549095e+02
##	33866	33867	33868	33869	33870
##	5.746486e+02	6.083852e+02	5.686487e+02	6.046832e+02	5.453037e+02
##	33871	33872	33873	33874	33875
##	6.142436e+02	5.319959e+02	5.452076e+02	5.255646e+02	5.615991e+02
##	33876	33877	33878	33879	33880
##	6.119911e+02	5.584700e+02	5.270896e+02	5.753837e+02	4.910551e+02
##	33881	33882	33883	33884	33885
##	5.159081e+02	5.886008e+02	4.118858e+02	5.026964e+02	5.688563e+02
##	33886	33887	33888	33889	33890
##	6.150748e+02	5.131334e+02	5.790404e+02	5.196608e+02	5.753891e+02
##	33891	33892	33893	33894	33895
##	5.460388e+02	4.223228e+02	5.894266e+02	3.694253e+02	5.857753e+02
##	33896	33897	33898	33899	33900
##	4.259794e+02	5.730859e+02	5.534428e+02	6.356452e+02	6.026437e+02
##	33901	33902	33903	33904	33905

##	6.127770e+02	5.401351e+02	4.231540e+02	4.194520e+02	4.397640e+02
##	33906	33907	33908	33909	33910
##	4.730238e+02	4.099423e+02	6.130353e+02	5.695968e+02	4.963688e+02
##	33911	33912	33913	33914	33915
##	5.807028e+02	4.437243e+02	4.245581e+02	4.172049e+02	5.440500e+02
##	33916	33917	33918	33919	33920
##	4.510376e+02	5.747990e+02	4.651258e+02	4.343768e+02	-7.106538e+00
##	33921	33922	33923	33924	33925
##	4.545022e+02	4.031566e+02	5.058255e+02	5.293834e+02	1.735526e+03
##	33926	33927	33928	33929	33930
##	1.814999e+03	1.362914e+03	1.660899e+03	1.590240e+03	1.500389e+03
##	33931	33932	33933	33934	33935
##	-5.734246e+02	-4.506228e+02	-4.524041e+02	-6.234228e+02	-6.396126e+02
##	33936	33937	33938	33939	33940
##	-5.271269e+02	-8.163130e+02	-8.307384e+02	-9.862709e+02	-2.987096e+00
##	33941	33942	33943	33944	33945
##	-7.678664e+01	1.121173e+02	-7.238498e+02	-7.075091e+02	-6.897588e+02
##	33946	33947	33948	33949	33950
##	-6.493379e+02	-6.844451e+02	-6.999429e+02	-6.664138e+02	6.759023e+02
##	33951	33952	33953	33954	33955
##	5.814273e+02	6.790767e+02	6.311428e+02	8.008160e+02	7.006556e+02
##	33956	33957	33958	33959	33960
##	7.865774e+02	7.421227e+02	7.762975e+02	7.311719e+02	-7.979876e+02
##	33961	33962	33963	33964	33965
##	6.374097e+02	1.336031e+03	1.311860e+03	8.505806e+02	1.382738e+03
##	33966	33967	33968	33969	33970
##	1.528735e+03	7.706529e+02	7.498696e+02	7.060050e+02	7.293500e+02
##	33971	33972	33973	33974	33975
##	1.330926e+03	1.126665e+03	9.854135e+02	9.558355e+02	6.168234e+02
##	33976	33977	33978	33979	33980
##	1.502874e+03	1.449345e+03	1.082789e+03	6.845049e+02	1.190939e+03
##	33981	33982	33983	33984	33985
##	1.399357e+03	9.834549e+02	1.068330e+03	8.690570e+02	1.111884e+03
##	33986	33987	33988	33989	33990
##	1.136023e+03	1.181506e+03	8.751230e+02	1.026136e+03	9.357575e+02
##	33991	33992	33993	33994	33995
##	1.133546e+03	1.152678e+03	1.195970e+03	1.142550e+03	1.056222e+03
##	33996	33997	33998	33999	34000
##	9.811395e+02	1.062699e+03	9.502773e+02	1.087231e+03	1.155240e+03
##	34001	34002	34003	34004	34005
##	1.188971e+03	1.046493e+03	1.018035e+03	1.202026e+03	1.152156e+03
##	34006	34007	34008	34009	34010
##	8.726122e+02	1.109223e+03	1.118448e+03	1.019296e+03	1.499189e+03
##	34011	34012	34013	34014	34015
##	1.476005e+03	1.014951e+03	1.460498e+03	1.135234e+03	1.006956e+03
##	34016	34017	34018	34019	34020
##	1.078762e+03	1.042327e+03	1.347597e+03	6.519828e+02	6.519578e+02
##	34021	34022	34023	34024	34025
##	1.625005e+03	1.645682e+03	7.567740e+02	1.415714e+03	8.762575e+02
##	34026	34027	34028	34029	34030
##	1.015325e+03	1.049171e+03	1.817088e+03	7.491127e+02	1.338116e+03
##	34031	34032	34033	34034	34035
##	1.343969e+03	1.318337e+03	1.425686e+03	1.359421e+03	1.281403e+03
##	34036	34037	34038	34039	34040

##	9.732017e+02	1.055536e+03	1.102304e+03	1.106146e+03	1.139832e+03
##	34041	34042	34043	34044	34045
##	-1.284170e+02	1.459389e+03	1.418971e+03	1.654302e+03	8.142178e+02
##	34046	34047	34048	34049	34050
##	-8.456396e+01	1.174341e+02	1.096360e+03	3.660382e+02	5.269007e+02
##	34051	34052	34053	34054	34055
##	5.743219e+02	-4.420831e+02	-2.434890e+02	6.433596e+02	6.213680e+02
##	34056	34057	34058	34059	34060
##	5.012579e+02	5.438198e+02	4.864781e+02	5.523981e+02	5.559379e+02
##	34061	34062	34063	34064	34065
##	5.580718e+02	5.501456e+02	6.073234e+02	4.980740e+02	4.980740e+02
##	34066	34067	34068	34069	34070
##	4.183681e+02	4.945719e+02	5.967198e+02	-2.484732e+03	-5.732173e+02
##	34071	34072	34073	34074	34075
##	7.602459e+02	1.229929e+03	9.047792e+02	1.405851e+03	1.330230e+03
##	34076	34077	34078	34079	34080
##	1.274143e+03	1.238141e+03	7.817587e+02	8.030641e+02	1.324799e+03
##	34081	34082	34083	34084	34085
##	1.294668e+03	1.198813e+03	1.325372e+03	1.215273e+03	1.209531e+03
##	34086	34087	34088	34089	34090
##	1.318109e+03	1.204736e+03	1.137247e+03	1.216053e+03	4.443095e+02
##	34091	34092	34093	34094	34095
##	6.181760e+02	1.510009e+03	9.162888e+02	-3.602818e+02	7.834775e+02
##	34096	34097	34098	34099	34100
##	8.260755e+02	1.102729e+03	1.108425e+03	1.227608e+03	1.114329e+03
##	34101	34102	34103	34104	34105
##	1.088348e+03	1.228742e+03	1.239611e+03	1.258666e+03	1.427221e+03
##	34106	34107	34108	34109	34110
##	1.251018e+03	1.137047e+03	1.209729e+03	1.518921e+03	1.368550e+03
##	34111	34112	34113	34114	34115
##	1.554648e+03	1.614837e+03	1.585410e+03	1.422165e+03	1.371846e+03
##	34116	34117	34118	34119	34120
##	1.430889e+03	1.376582e+03	1.417981e+03	1.428108e+03	1.156888e+03
##	34121	34122	34123	34124	34125
##	1.160327e+03	1.298410e+03	1.520999e+03	1.377624e+03	1.170270e+03
##	34126	34127	34128	34129	34130
##	8.078953e+02	1.500865e+03	1.062844e+03	-2.661402e+02	1.608756e+03
##	34131	34132	34133	34134	34135
##	7.942616e+02	1.437061e+03	1.453935e+03	1.501065e+03	1.300197e+03
##	34136	34137	34138	34139	34140
##	1.437892e+03	1.422686e+03	1.417322e+03	1.431410e+03	1.325627e+03
##	34141	34142	34143	34144	34145
##	7.287572e+02	7.315148e+02	5.791175e+02	5.617593e+02	6.563070e+02
##	34146	34147	34148	34149	34150
##	6.584409e+02	7.113890e+02	6.945715e+02	7.122256e+02	6.724891e+02
##	34151	34152	34153	34154	34155
##	5.849037e+02	5.098678e+02	6.983066e+02	8.335948e+02	8.102497e+02
##	34156	34157	34158	34159	34160
##	8.570584e+02	7.500031e+02	6.805846e+02	8.175123e+02	8.175123e+02
##	34161	34162	34163	34164	34165
##	7.421712e+02	6.562669e+02	8.070753e+02	6.994525e+02	8.431098e+02
##	34166	34167	34168	34169	34170
##	8.695839e+02	7.837303e+02	8.338077e+02	7.368857e+02	6.641931e+02
##	34171	34172	34173	34174	34175

##	7.814778e+02	8.211689e+02	7.202757e+02	6.475884e+02	6.109302e+02
##	34176	34177	34178	34179	34180
##	7.303583e+02	6.644514e+02	8.512489e+02	8.078612e+02	8.320828e+02
##	34181	34182	34183	34184	34185
##	8.320828e+02	6.711917e+02	7.018900e+02	7.210108e+02	6.888912e+02
##	34186	34187	34188	34189	34190
##	6.541428e+02	6.725905e+02	7.926553e+02	7.427854e+02	5.836225e+02
##	34191	34192	34193	34194	34195
##	7.705615e+02	7.220504e+02	6.408002e+02	6.870641e+02	7.051314e+02
##	34196	34197	34198	34199	34200
##	6.882684e+02	7.287854e+02	7.419971e+02	6.757865e+02	6.920819e+02
##	34201	34202	34203	34204	34205
##	7.168818e+02	7.236621e+02	6.861781e+02	6.256397e+02	5.596420e+02
##	34206	34207	34208	34209	34210
##	6.030298e+02	7.107137e+02	1.638260e+02	5.970299e+02	5.491543e+02
##	34211	34212	34213	34214	34215
##	7.279542e+02	1.001589e+03	1.045410e+03	1.148776e+03	1.103260e+03
##	34216	34217	34218	34219	34220
##	1.006263e+03	4.559157e+02	-1.084834e+03	-1.387969e+02	-2.565131e+02
##	34221	34222	34223	34224	34225
##	-1.136762e+02	1.259820e+02	1.357500e+02	8.566546e+01	-1.905687e+02
##	34226	34227	34228	34229	34230
##	-2.968100e+02	-2.324330e+02	-2.655967e+02	-3.398956e+02	-4.888687e+02
##	34231	34232	34233	34234	34235
##	-4.262080e+02	-2.570646e+02	-4.557842e+02	-4.638106e+02	-3.628682e+02
##	34236	34237	34238	34239	34240
##	-1.812683e+02	-1.752123e+02	-2.334850e+02	-2.032599e+02	-2.435693e+02
##	34241	34242	34243	34244	34245
##	-2.363575e+02	-2.002723e+02	-2.898279e+02	-1.390702e+02	-2.199607e+02
##	34246	34247	34248	34249	34250
##	-2.847737e+02	-5.177235e+02	7.815001e+01	2.776824e+02	1.990860e+02
##	34251	34252	34253	34254	34255
##	2.628537e+02	-5.290203e+02	-1.320619e+02	1.572771e+03	7.919586e+02
##	34256	34257	34258	34259	34260
##	-1.417010e+03	1.972309e+03	1.243079e+03	1.251712e+03	1.264790e+03
##	34261	34262	34263	34264	34265
##	-7.526509e+02	-7.930493e+02	4.892859e+02	-2.227088e+03	-2.272543e+03
##	34266	34267	34268	34269	34270
##	-2.249483e+03	-2.280042e+03	3.916666e+02	-5.318102e+02	-4.937361e+02
##	34271	34272	34273	34274	34275
##	-4.900848e+02	1.269741e+02	1.499677e+02	-2.871416e+02	-2.742336e+02
##	34276	34277	34278	34279	34280
##	-3.499966e+03	-1.185079e+03	-6.997574e+02	5.671982e+02	-7.910234e+02
##	34281	34282	34283	34284	34285
##	-2.227047e+03	-3.640472e+03	-1.093208e+03	6.508723e+02	6.606000e+02
##	34286	34287	34288	34289	34290
##	1.396714e+02	1.305567e+02	3.534329e+02	2.850907e+02	-7.580864e+01
##	34291	34292	34293	34294	34295
##	1.281888e+03	1.329191e+03	1.287792e+03	7.118987e+02	9.650476e+02
##	34296	34297	34298	34299	34300
##	8.001184e+02	9.089550e+02	-3.988127e+02	2.937584e+02	1.339991e+03
##	34301	34302	34303	34304	34305
##	1.189106e+03	1.054744e+03	1.647081e+03	1.269889e+03	1.488680e+03
##	34306	34307	34308	34309	34310

##	1.455035e+03	1.308437e+03	1.214805e+03	1.176226e+03	1.277018e+03
##	34311	34312	34313	34314	34315
##	9.829260e+01	-2.754463e+02	-3.930872e+02	-5.614951e+01	-5.975543e+01
##	34316	34317	34318	34319	34320
##	-8.926249e+01	1.236943e+03	1.381347e+03	5.402145e+00	1.291204e+03
##	34321	34322	34323	34324	34325
##	1.291695e+03	1.588166e+03	9.878543e+02	1.540584e+03	3.284713e+02
##	34326	34327	34328	34329	34330
##	5.144513e+02	1.193701e+03	7.175936e+01	1.589632e+03	4.527801e+02
##	34331	34332	34333	34334	34335
##	2.819559e+02	3.202388e+02	1.218340e+03	1.222204e+03	1.220969e+03
##	34336	34337	34338	34339	34340
##	8.690428e+02	1.307601e+03	1.332367e+03	1.297944e+03	1.324373e+03
##	34341	34342	34343	34344	34345
##	1.294293e+03	1.324469e+03	1.314336e+03	1.323014e+03	1.314032e+03
##	34346	34347	34348	34349	34350
##	1.173555e+03	1.274469e+03	1.251209e+03	1.480093e+03	6.325414e+02
##	34351	34352	34353	34354	34355
##	-1.141357e+02	7.190194e+02	1.141300e+03	1.126852e+03	1.110802e+03
##	34356	34357	34358	34359	34360
##	1.080295e+03	1.016573e+03	1.276235e+03	1.132254e+03	9.486153e+02
##	34361	34362	34363	34364	34365
##	1.220684e+03	1.326474e+03	1.234451e+03	7.383521e+02	1.305427e+03
##	34366	34367	34368	34369	34370
##	1.742012e+03	1.183754e+03	1.178627e+03	1.244956e+03	1.250814e+03
##	34371	34372	34373	34374	34375
##	1.325379e+03	1.357432e+03	1.164682e+03	1.283816e+03	1.314205e+03
##	34376	34377	34378	34379	34380
##	1.300730e+03	1.098355e+03	1.332423e+03	8.738262e+02	7.270798e+02
##	34381	34382	34383	34384	34385
##	7.102056e+02	6.874889e+02	1.209476e+03	8.390001e+02	1.281513e+03
##	34386	34387	34388	34389	34390
##	1.165991e+03	1.171324e+03	1.300207e+03	1.353734e+03	1.279637e+03
##	34391	34392	34393	34394	34395
##	1.304386e+03	1.146824e+03	1.329573e+03	1.367792e+03	1.381100e+03
##	34396	34397	34398	34399	34400
##	1.317811e+03	1.320160e+03	1.436843e+03	1.362892e+03	1.226646e+03
##	34401	34402	34403	34404	34405
##	1.223299e+03	1.157043e+03	1.226905e+03	1.192910e+03	1.183304e+03
##	34406	34407	34408	34409	34410
##	1.419607e+03	1.476257e+03	1.432869e+03	1.390403e+03	1.370664e+03
##	34411	34412	34413	34414	34415
##	1.360962e+03	1.402058e+03	1.407221e+03	1.409008e+03	1.386701e+03
##	34416	34417	34418	34419	34420
##	1.365924e+03	1.413176e+03	1.390307e+03	1.390054e+03	1.376264e+03
##	34421	34422	34423	34424	34425
##	1.410143e+03	1.403615e+03	1.390403e+03	1.422432e+03	1.403311e+03
##	34426	34427	34428	34429	34430
##	1.437352e+03	1.381629e+03	1.404097e+03	1.394009e+03	1.385663e+03
##	34431	34432	34433	34434	34435
##	1.463826e+03	1.400744e+03	1.397615e+03	1.393178e+03	1.420134e+03
##	34436	34437	34438	34439	34440
##	1.388795e+03	2.924862e+01	-1.243156e+03	9.758313e+02	1.375743e+03
##	34441	34442	34443	34444	34445

##	1.441077e+03	1.357807e+03	1.413680e+03	1.352846e+03	1.359328e+03
##	34446	34447	34448	34449	34450
##	1.381892e+03	1.404378e+03	1.407153e+03	-5.362688e+01	2.630762e+02
##	34451	34452	34453	34454	34455
##	4.665032e+02	5.893827e+02	3.960459e+02	5.205932e+02	-4.473854e+02
##	34456	34457	34458	34459	34460
##	1.184521e+03	1.210407e+03	1.226707e+03	1.413050e+03	9.371009e+02
##	34461	34462	34463	34464	34465
##	1.416060e+03	1.410414e+03	1.453757e+03	1.403106e+03	1.322549e+03
##	34466	34467	34468	34469	34470
##	1.399464e+03	1.426718e+03	1.056734e+03	1.312908e+03	1.471288e+03
##	34471	34472	34473	34474	34475
##	1.495936e+03	1.017176e+03	1.058951e+03	9.834491e+02	1.162366e+03
##	34476	34477	34478	34479	34480
##	1.056080e+03	1.210624e+03	1.056826e+03	9.601492e+02	3.400036e+02
##	34481	34482	34483	34484	34485
##	6.972281e+02	1.065424e+03	1.129102e+03	1.037134e+03	1.159273e+03
##	34486	34487	34488	34489	34490
##	9.822605e+02	1.140229e+03	1.149622e+03	1.153441e+03	9.947688e+02
##	34491	34492	34493	34494	34495
##	1.107699e+03	1.156312e+03	1.673540e+03	1.637668e+03	1.407716e+03
##	34496	34497	34498	34499	34500
##	1.410632e+03	1.451677e+03	1.415710e+03	1.415951e+03	1.133279e+03
##	34501	34502	34503	34504	34505
##	6.229546e+02	-2.078908e+03	1.576327e+03	1.530904e+03	1.392475e+03
##	34506	34507	34508	34509	34510
##	1.191546e+03	1.442654e+03	1.246945e+03	1.014165e+03	1.264147e+03
##	34511	34512	34513	34514	34515
##	1.122479e+03	1.479297e+03	9.823153e+02	1.202737e+03	1.174456e+03
##	34516	34517	34518	34519	34520
##	1.289268e+03	1.140179e+03	1.236842e+03	1.257077e+03	1.421011e+03
##	34521	34522	34523	34524	34525
##	1.158181e+03	9.640877e+02	1.165444e+03	1.108732e+03	1.126218e+03
##	34526	34527	34528	34529	34530
##	1.346973e+03	1.206389e+03	1.243034e+03	1.167148e+03	1.256890e+03
##	34531	34532	34533	34534	34535
##	1.236842e+03	1.238246e+03	1.272541e+03	1.070439e+03	1.270056e+03
##	34536	34537	34538	34539	34540
##	1.307540e+03	1.487436e+03	1.136999e+03	1.414006e+03	1.025456e+03
##	34541	34542	34543	34544	34545
##	1.018293e+03	1.294019e+03	1.205157e+03	1.351831e+03	1.308013e+03
##	34546	34547	34548	34549	34550
##	2.272534e+02	9.757471e+02	9.044616e+02	1.891025e+02	8.036197e+02
##	34551	34552	34553	34554	34555
##	1.095496e+03	1.112673e+03	1.405022e+03	7.137578e+02	-2.311013e+03
##	34556	34557	34558	34559	34560
##	-5.683967e+02	2.667256e+02	2.931328e+02	1.406410e+03	1.207725e+03
##	34561	34562	34563	34564	34565
##	1.154817e+03	1.246723e+03	1.236428e+03	6.812837e+02	1.272034e+03
##	34566	34567	34568	34569	34570
##	1.222643e+03	1.036497e+03	1.132936e+03	9.905629e+02	1.503254e+03
##	34571	34572	34573	34574	34575
##	1.486486e+03	1.440084e+03	1.442666e+03	1.479679e+03	1.486644e+03
##	34576	34577	34578	34579	34580

##	1.454509e+03	1.477966e+03	1.464045e+03	-2.596453e+02	-2.640263e+02
##	34581	34582	34583	34584	34585
##	-2.574082e+02	-5.831942e+02	1.539731e+03	1.405429e+03	-7.631544e+02
##	34586	34587	34588	34589	34590
##	1.553815e+03	1.586436e+03	1.395027e+03	1.588265e+03	8.884438e+02
##	34591	34592	34593	34594	34595
##	-9.562675e+02	-1.704400e+03	-9.906734e+02	-2.450531e+02	2.350694e+02
##	34596	34597	34598	34599	34600
##	2.801249e+02	3.104914e+02	4.096547e+02	2.945089e+02	1.664740e+02
##	34601	34602	34603	34604	34605
##	5.246346e+02	6.030896e+02	5.795035e+02	6.324345e+02	8.815530e+02
##	34606	34607	34608	34609	34610
##	8.157140e+02	8.429567e+02	3.893419e+02	6.628855e+02	-6.239286e+01
##	34611	34612	34613	34614	34615
##	4.586102e+02	-7.245149e+02	7.565162e+02	7.506124e+02	-4.749044e+02
##	34616	34617	34618	34619	34620
##	6.309301e+02	7.447086e+02	3.832330e+02	5.204860e+02	6.025072e+02
##	34621	34622	34623	34624	34625
##	9.152497e+02	6.832127e+02	5.485828e+02	6.903780e+02	5.486282e+02
##	34626	34627	34628	34629	34630
##	5.617905e+02	6.517739e+02	6.781973e+02	7.281632e+02	6.224744e+02
##	34631	34632	34633	34634	34635
##	6.356861e+02	7.046260e+02	6.452465e+02	5.640470e+02	6.846794e+02
##	34636	34637	34638	34639	34640
##	6.392920e+02	6.519815e+02	5.882740e+02	6.460777e+02	6.525544e+02
##	34641	34642	34643	34644	34645
##	6.396010e+02	5.823648e+02	5.426283e+02	6.164746e+02	6.496836e+02
##	34646	34647	34648	34649	34650
##	6.730794e+02	6.598170e+02	6.931221e+02	6.269116e+02	6.533856e+02
##	34651	34652	34653	34654	34655
##	6.826398e+02	6.888018e+02	5.595474e+02	6.502566e+02	5.222709e+02
##	34656	34657	34658	34659	34660
##	5.477929e+02	6.012687e+02	6.431616e+02	4.760578e+02	6.872184e+02
##	34661	34662	34663	34664	34665
##	6.835164e+02	6.739560e+02	5.237205e+02	5.237205e+02	6.742142e+02
##	34666	34667	34668	34669	34670
##	6.674339e+02	5.538005e+02	4.980722e+02	4.901006e+02	6.285740e+02
##	34671	34672	34673	34674	34675
##	6.088349e+02	5.047618e+02	1.193808e+03	1.146602e+03	1.593603e+03
##	34676	34677	34678	34679	34680
##	1.287416e+03	1.275675e+03	9.961669e+02	6.352457e+02	1.545046e+03
##	34681	34682	34683	34684	34685
##	1.701439e+03	8.118344e+02	7.920953e+02	4.216776e+02	3.707972e+02
##	34686	34687	34688	34689	34690
##	4.011072e+02	1.593977e+03	1.629623e+03	1.652233e+03	1.552246e+03
##	34691	34692	34693	34694	34695
##	1.579197e+03	1.646233e+03	1.620070e+03	1.580663e+03	1.609722e+03
##	34696	34697	34698	34699	34700
##	1.611716e+03	1.594752e+03	1.603773e+03	8.654153e+02	8.037790e+02
##	34701	34702	34703	34704	34705
##	-2.412280e+02	9.050611e+02	1.689290e+03	1.666518e+03	1.579999e+03
##	34706	34707	34708	34709	34710
##	1.584482e+03	1.929066e+02	1.364531e+03	-1.252244e+02	4.757200e+02
##	34711	34712	34713	34714	34715

##	6.484596e+02	4.192660e+02	3.633474e+02	4.682402e+02	5.411296e+02
##	34716	34717	34718	34719	34720
##	4.777445e+02	5.462129e+02	5.154414e+02	3.442156e+02	5.235805e+02
##	34721	34722	34723	34724	34725
##	1.542560e+03	8.694398e+02	8.582206e+02	-1.428814e+02	9.286341e+02
##	34726	34727	34728	34729	34730
##	1.209507e+03	1.404247e+03	1.200681e+03	1.206971e+03	6.867025e+02
##	34731	34732	34733	34734	34735
##	1.032815e+03	1.310923e+03	1.347959e+03	1.288883e+03	1.387972e+03
##	34736	34737	34738	34739	34740
##	1.535411e+03	1.603464e+03	1.320580e+03	1.200520e+03	9.676487e+02
##	34741	34742	34743	34744	34745
##	9.785172e+02	1.626841e+03	1.747126e+03	4.746042e+02	-3.735324e+02
##	34746	34747	34748	34749	34750
##	-1.934037e+02	-2.219497e+02	-8.502193e+01	-6.888873e+01	-1.609737e+01
##	34751	34752	34753	34754	34755
##	-2.133373e+02	-1.165568e+02	-6.597259e+01	-1.645065e+02	-1.977717e+02
##	34756	34757	34758	34759	34760
##	-1.387729e+02	-1.684232e+02	-1.742870e+02	-1.793370e+02	-2.158154e+02
##	34761	34762	34763	34764	34765
##	-4.101299e+02	-2.465305e+02	-2.931168e+02	-3.366114e+02	-4.071648e+02
##	34766	34767	34768	34769	34770
##	-2.746688e+02	-2.923925e+02	-2.620926e+02	-3.866906e+02	-3.542113e+02
##	34771	34772	34773	34774	34775
##	-1.020324e+01	-5.877040e+01	-1.430029e+02	-1.582595e+02	-1.486991e+02
##	34776	34777	34778	34779	34780
##	-7.150523e+01	-1.952720e+02	-1.583556e+02	-1.411993e+01	-9.069012e+01
##	34781	34782	34783	34784	34785
##	-2.178765e+02	1.120196e+03	1.155776e+03	1.264719e+03	1.210071e+03
##	34786	34787	34788	34789	34790
##	1.248933e+03	1.169560e+03	1.189299e+03	1.359494e+03	1.225639e+03
##	34791	34792	34793	34794	34795
##	1.238750e+03	1.218129e+03	9.062159e+02	1.198905e+03	1.076808e+03
##	34796	34797	34798	34799	34800
##	1.304456e+03	-1.059563e+03	1.203717e+03	1.641452e+03	1.325667e+03
##	34801	34802	34803	34804	34805
##	1.326857e+03	1.210876e+03	1.134824e+03	1.197023e+03	1.210331e+03
##	34806	34807	34808	34809	34810
##	1.140686e+03	1.213050e+03	1.363439e+03	1.278446e+03	1.358704e+03
##	34811	34812	34813	34814	34815
##	1.025884e+03	1.423112e+02	-2.335242e+02	3.764904e+02	5.376632e+02
##	34816	34817	34818	34819	34820
##	5.746159e+02	9.566144e+02	8.272021e+02	3.836666e+02	3.918058e+02
##	34821	34822	34823	34824	34825
##	3.388068e+02	3.493894e+02	5.410686e+02	5.476414e+02	3.206174e+02
##	34826	34827	34828	34829	34830
##	3.837443e+02	5.985500e+02	5.427764e+02	3.830312e+02	4.291483e+02
##	34831	34832	34833	34834	34835
##	4.175483e+02	3.095958e+02	3.053208e+02	5.207902e+02	4.091563e+02
##	34836	34837	34838	34839	34840
##	4.159366e+02	3.809463e+02	8.702860e+02	9.038098e+02	8.849019e+02
##	34841	34842	34843	34844	34845
##	9.917043e+02	9.784418e+02	1.011443e+03	8.482491e+02	8.656903e+02
##	34846	34847	34848	34849	34850

##	1.035923e+03	9.435876e+02	9.888788e+02	7.509357e+02	8.840666e+02
##	34851	34852	34853	34854	34855
##	8.786381e+02	9.499735e+02	9.152909e+02	9.727964e+02	8.234828e+02
##	34856	34857	34858	34859	34860
##	6.354848e+02	9.040186e+02	8.440024e+02	6.120944e+02	9.347677e+02
##	34861	34862	34863	34864	34865
##	8.836935e+02	8.374803e+02	7.898176e+02	8.740877e+02	8.543940e+02
##	34866	34867	34868	34869	34870
##	7.881834e+02	8.701164e+02	8.861651e+02	8.777444e+02	8.162072e+02
##	34871	34872	34873	34874	34875
##	9.140771e+02	8.060285e+02	6.399726e+02	9.013477e+02	8.712170e+02
##	34876	34877	34878	34879	34880
##	8.097305e+02	8.905116e+02	1.006087e+03	6.734765e+02	2.312332e+02
##	34881	34882	34883	34884	34885
##	9.795767e+02	1.118875e+03	1.641473e+03	7.629880e+02	1.520417e+03
##	34886	34887	34888	34889	34890
##	1.597310e+03	1.515722e+03	1.420270e+03	8.474392e+02	7.631182e+02
##	34891	34892	34893	34894	34895
##	7.726732e+02	9.253495e+02	8.287217e+02	1.306532e+03	1.568430e+03
##	34896	34897	34898	34899	34900
##	1.489465e+03	1.469676e+03	1.486544e+03	1.482938e+03	1.482989e+03
##	34901	34902	34903	34904	34905
##	1.450370e+03	1.507750e+03	1.523202e+03	1.536414e+03	6.725907e+02
##	34906	34907	34908	34909	34910
##	6.388523e+02	5.777364e+02	6.592036e+02	8.195217e+02	7.666189e+02
##	34911	34912	34913	34914	34915
##	7.154893e+02	7.408470e+02	8.064837e+02	7.501318e+02	7.546650e+02
##	34916	34917	34918	34919	34920
##	6.762456e+02	7.765605e+02	7.500864e+02	6.492439e+02	7.363526e+02
##	34921	34922	34923	34924	34925
##	2.814174e+02	5.451369e+02	-1.202573e+03	1.221292e+02	3.442104e+02
##	34926	34927	34928	34929	34930
##	2.323404e+02	9.907931e+01	-4.541370e+02	-2.293595e+03	-2.397242e+03
##	34931	34932	34933	34934	34935
##	-2.145446e+03	-2.196428e+03	-2.430664e+03	-6.842058e+02	-1.206589e+03
##	34936	34937	34938	34939	34940
##	-4.104882e+02	1.135349e+02	-4.726685e+02	4.794824e+02	-1.507567e+03
##	34941	34942	34943	34944	34945
##	1.205836e+01	4.408438e+02	2.832211e+02	3.304523e+02	-1.377270e+02
##	34946	34947	34948	34949	34950
##	-2.092911e+03	-2.014269e+03	-1.888876e+03	-8.778392e+02	-2.149845e+03
##	34951	34952	34953	34954	34955
##	7.623114e+02	1.789985e+02	1.453126e+02	1.831056e+02	1.541869e+02
##	34956	34957	34958	34959	34960
##	-2.161684e+02	-6.148801e+02	4.150179e+02	2.691344e+02	-1.606234e+02
##	34961	34962	34963	34964	34965
##	-7.357837e+02	-2.400603e+02	-2.265396e+02	-9.371350e+01	2.665070e+02
##	34966	34967	34968	34969	34970
##	6.511985e+02	6.204006e+02	9.239844e+02	7.568147e+02	7.265933e+02
##	34971	34972	34973	34974	34975
##	7.964098e+02	6.901727e+02	7.884665e+02	1.065492e+03	5.538339e+02
##	34976	34977	34978	34979	34980
##	4.497437e+02	5.440461e+02	-4.596061e+02	-8.271269e+02	-1.274706e+03
##	34981	34982	34983	34984	34985

##	7.912271e+02	8.007821e+02	6.249491e+02	6.705440e+02	5.979528e+02
##	34986	34987	34988	34989	34990
##	-1.220390e+03	6.140353e+02	7.242699e+02	1.125782e+03	1.051667e+03
##	34991	34992	34993	34994	34995
##	9.755245e+02	1.349817e+03	1.631527e+03	1.087113e+02	1.098210e+03
##	34996	34997	34998	34999	35000
##	1.478475e+03	1.579009e+03	1.810632e+03	1.386339e+03	1.201142e+03
##	35001	35002	35003	35004	35005
##	-2.445828e+02	3.593426e+02	3.791240e+02	4.976337e+02	3.504666e+02
##	35006	35007	35008	35009	35010
##	3.880620e+02	1.650521e+02	3.689654e+02	4.308516e+02	2.964969e+02
##	35011	35012	35013	35014	35015
##	6.120091e+02	4.131898e+02	5.013241e+02	4.866512e+02	2.851425e+02
##	35016	35017	35018	35019	35020
##	5.733813e+02	5.211176e+02	4.653881e+02	4.681133e+02	4.718648e+02
##	35021	35022	35023	35024	35025
##	4.460090e+02	4.849870e+02	5.092527e+02	3.256141e+02	3.101499e+02
##	35026	35027	35028	35029	35030
##	4.599611e+02	4.658208e+02	3.430553e+02	3.165813e+02	2.977241e+02
##	35031	35032	35033	35034	35035
##	4.709711e+02	6.263972e+02	5.233970e+02	3.233670e+02	1.097502e+03
##	35036	35037	35038	35039	35040
##	-1.519257e+02	4.194210e+02	1.441596e+03	1.133618e+03	1.139885e+03
##	35041	35042	35043	35044	35045
##	1.798430e+03	1.467293e+03	1.556652e+03	1.120593e+03	1.282275e+03
##	35046	35047	35048	35049	35050
##	9.466613e+02	9.164781e+02	1.243977e+03	8.627948e+02	1.434240e+03
##	35051	35052	35053	35054	35055
##	8.767923e+02	9.316632e+02	1.357592e+03	1.332945e+03	5.784288e+02
##	35056	35057	35058	35059	35060
##	6.048068e+02	5.887243e+02	7.528641e+02	7.329175e+02	7.213614e+02
##	35061	35062	35063	35064	35065
##	1.142474e+03	1.776023e+03	1.098126e+03	1.113687e+03	1.109676e+03
##	35066	35067	35068	35069	35070
##	-1.605391e+03	5.437834e+01	1.336347e+03	1.332549e+03	1.319720e+03
##	35071	35072	35073	35074	35075
##	1.306171e+03	1.302560e+03	1.073542e+03	1.018560e+03	1.488291e+03
##	35076	35077	35078	35079	35080
##	1.461771e+03	1.489757e+03	1.480932e+03	1.502030e+03	1.491897e+03
##	35081	35082	35083	35084	35085
##	1.622215e+03	1.426729e+03	5.616181e+02	1.625135e+03	1.598649e+03
##	35086	35087	35088	35089	35090
##	1.586073e+03	1.591245e+03	1.623719e+03	1.614990e+03	1.605384e+03
##	35091	35092	35093	35094	35095
##	1.577506e+03	1.614114e+03	1.572238e+03	1.606896e+03	1.564244e+03
##	35096	35097	35098	35099	35100
##	1.567069e+03	1.626063e+03	1.625231e+03	1.576720e+03	1.595932e+03
##	35101	35102	35103	35104	35105
##	1.619186e+03	1.641796e+03	1.594116e+03	1.619232e+03	1.560638e+03
##	35106	35107	35108	35109	35110
##	1.590460e+03	1.609929e+03	1.585645e+03	1.598077e+03	1.615580e+03
##	35111	35112	35113	35114	35115
##	1.599589e+03	1.609671e+03	1.589887e+03	1.618704e+03	1.572434e+03
##	35116	35117	35118	35119	35120

##	1.603149e+03	1.617192e+03	1.625277e+03	7.969931e+02	7.523983e+02
##	35121	35122	35123	35124	35125
##	-2.180073e+03	1.730211e+03	1.412063e+03	1.414933e+03	1.389240e+03
##	35126	35127	35128	35129	35130
##	1.244387e+03	-9.996489e+02	9.301171e+02	1.131985e+03	1.433687e+03
##	35131	35132	35133	35134	35135
##	1.229137e+03	1.658183e+03	1.658981e+03	1.355816e+03	1.467604e+03
##	35136	35137	35138	35139	35140
##	1.420662e+03	1.528676e+03	1.036178e+03	1.053828e+03	1.123701e+03
##	35141	35142	35143	35144	35145
##	1.039318e+03	1.565495e+03	9.247811e+02	1.068622e+03	1.281468e+03
##	35146	35147	35148	35149	35150
##	1.437588e+03	3.844960e+02	1.444008e+03	1.734648e+03	1.429477e+03
##	35151	35152	35153	35154	35155
##	1.447849e+03	1.376678e+03	1.481848e+03	1.509783e+03	1.516415e+03
##	35156	35157	35158	35159	35160
##	1.306418e+03	1.373825e+03	1.476472e+03	1.456765e+03	1.449648e+03
##	35161	35162	35163	35164	35165
##	1.224198e+03	8.633131e+02	1.048415e+03	1.517877e+03	1.431583e+03
##	35166	35167	35168	35169	35170
##	1.364084e+02	1.518179e+03	1.507787e+03	1.465322e+03	1.485274e+03
##	35171	35172	35173	35174	35175
##	1.447577e+03	1.487268e+03	1.520477e+03	1.460743e+03	1.481566e+03
##	35176	35177	35178	35179	35180
##	1.485751e+03	1.511652e+03	1.491750e+03	1.508046e+03	1.511748e+03
##	35181	35182	35183	35184	35185
##	1.440223e+03	1.482145e+03	1.494783e+03	1.488048e+03	1.484346e+03
##	35186	35187	35188	35189	35190
##	1.467529e+03	1.488307e+03	1.430663e+03	1.467523e+03	1.470882e+03
##	35191	35192	35193	35194	35195
##	1.527734e+03	1.493952e+03	1.498485e+03	1.481268e+03	1.504917e+03
##	35196	35197	35198	35199	35200
##	1.494576e+03	1.479909e+03	1.477915e+03	8.967184e+02	1.374559e+03
##	35201	35202	35203	35204	35205
##	8.105786e+02	6.093585e+02	6.204853e+02	-4.790419e+02	-3.948551e+02
##	35206	35207	35208	35209	35210
##	-4.754360e+02	4.562976e+02	6.226209e+02	4.724587e+02	4.806868e+02
##	35211	35212	35213	35214	35215
##	5.771429e+02	6.300964e+02	1.657461e+03	1.490442e+03	1.527844e+03
##	35216	35217	35218	35219	35220
##	1.517974e+03	1.627915e+03	1.652188e+03	9.299864e+02	1.400216e+03
##	35221	35222	35223	35224	35225
##	1.378578e+03	1.698066e+03	1.499857e+03	1.491505e+03	1.508586e+03
##	35226	35227	35228	35229	35230
##	1.505457e+03	1.508632e+03	4.817028e+02	1.663824e+03	7.033632e+02
##	35231	35232	35233	35234	35235
##	4.606355e+02	-2.635233e+03	-2.590441e+03	1.186978e+03	7.851896e+02
##	35236	35237	35238	35239	35240
##	1.308061e+03	1.527954e+03	1.341222e+03	7.137006e+02	1.167528e+03
##	35241	35242	35243	35244	35245
##	8.912492e+02	8.212651e+02	8.788126e+02	1.389030e+03	1.261827e+03
##	35246	35247	35248	35249	35250
##	1.357848e+03	1.375358e+03	1.230384e+03	1.265258e+03	1.335283e+03
##	35251	35252	35253	35254	35255

##	1.321975e+03	1.236594e+03	1.359977e+03	1.243006e+03	1.106735e+03
##	35256	35257	35258	35259	35260
##	1.171552e+03	1.944575e+03	1.316461e+03	1.400486e+03	1.361667e+03
##	35261	35262	35263	35264	35265
##	1.352147e+03	1.345594e+03	1.107257e+03	1.339933e+03	1.359017e+03
##	35266	35267	35268	35269	35270
##	1.426915e+03	1.447490e+03	1.251132e+03	1.226203e+03	1.343232e+03
##	35271	35272	35273	35274	35275
##	1.302236e+03	1.373231e+03	1.391093e+03	1.334589e+03	1.381287e+03
##	35276	35277	35278	35279	35280
##	1.450199e+03	1.416473e+03	-7.523496e+02	-7.109016e+02	1.051413e+03
##	35281	35282	35283	35284	35285
##	-1.062486e+03	-2.096973e+03	-1.878467e+03	-1.710910e+03	-1.781294e+03
##	35286	35287	35288	35289	35290
##	-1.713875e+03	-1.757613e+03	-8.985149e+02	-3.716035e+02	-3.387640e+02
##	35291	35292	35293	35294	35295
##	-9.938174e+02	-3.919322e+02	-3.345474e+02	-4.115029e+02	-2.963152e+02
##	35296	35297	35298	35299	35300
##	-4.090175e+02	-3.075834e+02	-5.371837e+02	-4.661988e+02	-3.359515e+02
##	35301	35302	35303	35304	35305
##	-4.330446e+02	-3.744743e+02	-4.532888e+02	-5.138657e+02	-3.453459e+02
##	35306	35307	35308	35309	35310
##	-8.772077e+02	-3.295953e+02	-3.201673e+02	-4.547664e+02	-4.324492e+02
##	35311	35312	35313	35314	35315
##	1.401341e+02	1.634356e+03	1.626364e+03	1.586627e+03	1.804511e+03
##	35316	35317	35318	35319	35320
##	1.805388e+03	-5.454846e+02	-1.376093e+02	5.636668e+02	1.808529e+03
##	35321	35322	35323	35324	35325
##	1.157621e+03	1.172350e+03	1.347414e+03	1.317379e+03	1.216473e+03
##	35326	35327	35328	35329	35330
##	1.594748e+03	1.496192e+03	1.115898e+03	1.497771e+03	1.579461e+03
##	35331	35332	35333	35334	35335
##	1.524106e+03	1.401285e+03	9.207820e+02	1.041305e+03	1.059010e+03
##	35336	35337	35338	35339	35340
##	1.038485e+03	1.516708e+03	1.558742e+03	1.573358e+03	-5.294087e+01
##	35341	35342	35343	35344	35345
##	-1.177319e+02	9.686132e+00	-7.750552e+01	-1.787415e+02	2.372902e+01
##	35346	35347	35348	35349	35350
##	-1.353991e+02	3.219429e+02	5.066372e+02	4.068898e+02	-9.037590e+01
##	35351	35352	35353	35354	35355
##	6.815346e+00	-1.993615e+02	-1.525440e+02	-2.018409e+02	3.722002e+00
##	35356	35357	35358	35359	35360
##	-1.104337e+02	-1.335546e+01	-9.628753e+01	-3.465729e+01	7.094695e+01
##	35361	35362	35363	35364	35365
##	5.030877e+01	2.346672e+02	3.186414e+02	2.631863e+02	2.728881e+02
##	35366	35367	35368	35369	35370
##	2.309706e+02	2.598822e+02	3.335209e+02	3.711455e+02	1.236395e+03
##	35371	35372	35373	35374	35375
##	1.230637e+03	1.287046e+03	1.361629e+03	1.281242e+03	1.400681e+03
##	35376	35377	35378	35379	35380
##	1.397550e+03	1.304208e+03	1.283693e+03	1.411757e+03	1.282086e+03
##	35381	35382	35383	35384	35385
##	1.262858e+03	1.409459e+03	1.272145e+03	1.284946e+03	1.326835e+03
##	35386	35387	35388	35389	35390

##	1.434625e+03	1.246625e+03	1.280362e+03	1.369033e+03	1.437547e+03
##	35391	35392	35393	35394	35395
##	1.252674e+03	1.364532e+03	1.250691e+03	1.286462e+03	1.142219e+03
##	35396	35397	35398	35399	35400
##	1.456601e+03	8.790435e+02	-8.660025e+02	1.152126e+03	1.383383e+03
##	35401	35402	35403	35404	35405
##	1.105797e+03	1.239727e+03	9.626476e+02	9.610813e+02	9.627437e+02
##	35406	35407	35408	35409	35410
##	7.153051e+02	6.767770e+02	7.106043e+02	6.707701e+02	6.783887e+02
##	35411	35412	35413	35414	35415
##	7.077335e+02	2.944624e+02	2.813605e+02	4.110274e+02	6.716537e+02
##	35416	35417	35418	35419	35420
##	2.341485e+02	1.634949e+02	3.306384e+02	2.783275e+02	2.188465e+02
##	35421	35422	35423	35424	35425
##	2.547188e+02	2.203692e+02	1.959783e+02	6.015266e+02	5.728961e+02
##	35426	35427	35428	35429	35430
##	7.217989e+02	6.872139e+02	6.416190e+02	5.804169e+02	7.173447e+02
##	35431	35432	35433	35434	35435
##	7.172939e+02	6.711768e+02	7.342076e+02	6.975548e+02	6.735915e+02
##	35436	35437	35438	35439	35440
##	7.246019e+02	6.264887e+02	7.372460e+02	7.513849e+02	6.851744e+02
##	35441	35442	35443	35444	35445
##	5.944598e+02	6.916511e+02	7.688208e+02	6.719627e+02	7.418245e+02
##	35446	35447	35448	35449	35450
##	7.423975e+02	7.343752e+02	5.454212e+02	7.285168e+02	7.285168e+02
##	35451	35452	35453	35454	35455
##	6.595769e+02	7.555638e+02	7.093960e+02	7.423014e+02	7.293933e+02
##	35456	35457	35458	35459	35460
##	6.148887e+02	7.152090e+02	-1.868976e+03	7.407350e+02	1.653277e+03
##	35461	35462	35463	35464	35465
##	1.213675e+03	1.676461e+03	1.685488e+03	1.683191e+03	1.687628e+03
##	35466	35467	35468	35469	35470
##	1.691330e+03	1.689971e+03	1.667199e+03	1.650285e+03	1.675148e+03
##	35471	35472	35473	35474	35475
##	7.162171e+02	1.220054e+03	1.004495e+03	1.625395e+03	1.659128e+03
##	35476	35477	35478	35479	35480
##	1.643522e+03	1.416988e+03	1.480975e+03	1.434858e+03	9.199555e+02
##	35481	35482	35483	35484	35485
##	1.122198e+03	1.360676e+03	1.386406e+03	1.357106e+03	2.967817e+02
##	35486	35487	35488	35489	35490
##	-2.838971e+02	-2.683256e+03	4.387456e+02	9.840004e+02	1.437217e+03
##	35491	35492	35493	35494	35495
##	1.452701e+03	1.290329e+03	6.443164e+02	4.610610e+02	2.875050e+02
##	35496	35497	35498	35499	35500
##	5.989498e+02	4.808455e+02	4.376706e+02	4.905681e+02	5.901945e+02
##	35501	35502	35503	35504	35505
##	6.425144e+02	7.213146e+02	5.055924e+02	7.418342e+02	5.073793e+02
##	35506	35507	35508	35509	35510
##	5.586479e+02	6.802229e+02	3.577175e+02	5.624106e+02	5.233926e+02
##	35511	35512	35513	35514	35515
##	5.653829e+02	4.210573e+02	5.520567e+02	1.238922e+03	1.659290e+03
##	35516	35517	35518	35519	35520
##	1.696728e+03	8.148776e+02	9.680566e+02	1.332158e+03	1.448168e+03
##	35521	35522	35523	35524	35525

##	1.336135e+03	1.363395e+03	1.297184e+03	1.321265e+03	1.400112e+03
##	35526	35527	35528	35529	35530
##	7.031740e+02	1.419433e+03	1.546753e+03	1.495526e+03	1.148398e+03
##	35531	35532	35533	35534	35535
##	1.572836e+03	1.559315e+03	8.771963e+02	8.673783e+02	9.570321e+02
##	35536	35537	35538	35539	35540
##	9.676772e+02	1.540953e+03	1.009993e+03	1.014877e+03	1.542460e+03
##	35541	35542	35543	35544	35545
##	1.558852e+03	1.539366e+03	8.116012e+02	7.949247e+02	7.892792e+02
##	35546	35547	35548	35549	35550
##	6.683939e+02	8.428174e+02	6.858183e+02	8.160564e+02	6.886891e+02
##	35551	35552	35553	35554	35555
##	7.551821e+02	6.974183e+02	8.864701e+02	9.332521e+02	9.019678e+02
##	35556	35557	35558	35559	35560
##	7.819325e+02	9.719552e+02	8.086423e+02	7.776404e+02	7.807187e+02
##	35561	35562	35563	35564	35565
##	8.497547e+02	9.835988e+02	8.694938e+02	9.236463e+02	9.836948e+02
##	35566	35567	35568	35569	35570
##	9.132093e+02	8.898618e+02	8.245278e+02	8.008284e+02	8.898618e+02
##	35571	35572	35573	35574	35575
##	8.495124e+02	7.109958e+02	8.574840e+02	7.072938e+02	8.245332e+02
##	35576	35577	35578	35579	35580
##	8.707010e+02	8.979049e+02	6.778982e+02	8.487040e+02	8.163262e+02
##	35581	35582	35583	35584	35585
##	6.863010e+02	8.621794e+02	7.215496e+02	8.193592e+02	7.485967e+02
##	35586	35587	35588	35589	35590
##	1.117858e+03	1.185918e+03	7.595070e+02	4.741131e+02	5.977838e+02
##	35591	35592	35593	35594	35595
##	4.645074e+02	4.954693e+02	6.155100e+02	5.098760e+02	6.616778e+02
##	35596	35597	35598	35599	35600
##	5.280523e+02	4.066754e+02	5.929001e+02	5.830360e+02	6.191213e+02
##	35601	35602	35603	35604	35605
##	6.388096e+02	4.761883e+02	5.100210e+02	5.167106e+02	4.031072e+02
##	35606	35607	35608	35609	35610
##	4.741487e+02	4.557464e+02	4.531393e+02	1.085789e+03	9.510627e+02
##	35611	35612	35613	35614	35615
##	-1.567071e+02	-3.539040e+02	-6.752899e+02	-3.701989e+02	-3.438964e+02
##	35616	35617	35618	35619	35620
##	-4.491271e+02	-3.344513e+02	-9.647924e+01	-5.557692e+02	-6.768616e+02
##	35621	35622	35623	35624	35625
##	-9.331465e+02	-4.793032e+02	-3.887583e+02	-3.851524e+02	-4.375725e+02
##	35626	35627	35628	35629	35630
##	-5.227301e+02	-5.282232e+02	-7.058975e+02	-3.277994e+02	-3.015005e+02
##	35631	35632	35633	35634	35635
##	-4.675748e+02	-4.696352e+02	-6.421859e+02	1.046411e+03	-1.367165e+03
##	35636	35637	35638	35639	35640
##	-1.046954e+03	-1.399276e+03	-2.737309e+02	-7.191242e+02	-7.538959e+02
##	35641	35642	35643	35644	35645
##	8.680852e+02	1.080924e+03	1.021544e+03	1.100090e+03	1.066881e+03
##	35646	35647	35648	35649	35650
##	8.845203e+02	9.959013e+02	1.031936e+03	1.061139e+03	9.375192e+02
##	35651	35652	35653	35654	35655
##	1.051675e+03	9.777325e+02	1.005984e+03	8.838175e+02	1.072362e+03
##	35656	35657	35658	35659	35660

##	9.264414e+02	8.809467e+02	1.012673e+03	8.510797e+02	9.162627e+02
##	35661	35662	35663	35664	35665
##	7.583501e+02	8.420922e+02	-4.583472e+02	-3.914712e+02	9.234976e+02
##	35666	35667	35668	35669	35670
##	6.035610e+02	1.250169e+03	1.432339e+03	1.463092e+03	1.422026e+03
##	35671	35672	35673	35674	35675
##	1.486547e+03	7.942244e+02	1.455297e+03	1.501794e+03	7.329747e+02
##	35676	35677	35678	35679	35680
##	1.520492e+03	1.423634e+03	1.515432e+03	1.210033e+03	1.542002e+03
##	35681	35682	35683	35684	35685
##	1.393865e+03	1.701971e+03	1.512045e+03	9.468692e+02	1.834124e+03
##	35686	35687	35688	35689	35690
##	1.783974e+03	6.043821e+02	6.764511e+02	1.159236e+03	7.726505e+02
##	35691	35692	35693	35694	35695
##	1.223241e+03	2.284417e+02	8.586345e+02	7.535452e+02	6.884736e+02
##	35696	35697	35698	35699	35700
##	8.806089e+02	7.561070e+02	8.952926e+02	7.627513e+02	8.886030e+02
##	35701	35702	35703	35704	35705
##	6.330579e+02	7.275480e+02	7.486802e+02	8.468482e+02	6.994381e+02
##	35706	35707	35708	35709	35710
##	7.440302e+02	8.262325e+02	7.800647e+02	6.326546e+02	7.658803e+02
##	35711	35712	35713	35714	35715
##	7.901527e+02	6.929107e+02	7.024711e+02	7.932817e+02	7.735880e+02
##	35716	35717	35718	35719	35720
##	8.070210e+02	7.808959e+02	6.966127e+02	8.202780e+02	6.993420e+02
##	35721	35722	35723	35724	35725
##	7.644591e+02	7.977135e+02	7.940622e+02	8.036226e+02	6.539600e+02
##	35726	35727	35728	35729	35730
##	7.447199e+02	7.780251e+02	7.875348e+02	7.786434e+02	6.709191e+02
##	35731	35732	35733	35734	35735
##	6.315369e+02	7.949388e+02	7.059561e+02	6.511800e+02	7.552530e+02
##	35736	35737	35738	35739	35740
##	6.761138e+02	8.250695e+02	7.455965e+02	6.579657e+02	6.944317e+02
##	35741	35742	35743	35744	35745
##	5.433855e+02	7.757272e+02	6.055397e+02	7.206982e+02	7.463824e+02
##	35746	35747	35748	35749	35750
##	7.267394e+02	6.587008e+02	6.132020e+02	6.492365e+02	6.170208e+02
##	35751	35752	35753	35754	35755
##	6.536736e+02	7.568194e+02	6.857986e+02	-3.274805e+02	5.466172e+02
##	35756	35757	35758	35759	35760
##	1.521486e+03	1.360873e+03	1.377438e+03	1.505832e+03	1.050107e+03
##	35761	35762	35763	35764	35765
##	1.135751e+03	1.160073e+03	1.158348e+03	1.194327e+03	1.208476e+03
##	35766	35767	35768	35769	35770
##	1.259416e+03	1.209017e+03	1.233773e+03	1.307933e+03	1.256321e+03
##	35771	35772	35773	35774	35775
##	1.140283e+03	1.048832e+03	1.289496e+03	1.126094e+03	-9.825438e+02
##	35776	35777	35778	35779	35780
##	1.829053e+03	1.263022e+03	1.129795e+03	1.421282e+03	1.435021e+03
##	35781	35782	35783	35784	35785
##	1.450329e+03	1.424681e+03	1.430539e+03	1.407716e+03	1.531139e+03
##	35786	35787	35788	35789	35790
##	9.195095e+02	9.806475e+02	1.326831e+03	1.617320e+03	2.922512e+02
##	35791	35792	35793	35794	35795

##	1.256636e+03	1.331712e+03	1.376164e+03	1.475117e+03	1.225380e+03
##	35796	35797	35798	35799	35800
##	-7.233809e+02	1.170138e+03	1.473986e+03	1.337117e+03	1.613927e+03
##	35801	35802	35803	35804	35805
##	1.580190e+03	1.604316e+03	1.533781e+03	1.536764e+03	1.416185e+03
##	35806	35807	35808	35809	35810
##	1.693582e+03	1.691284e+03	1.720933e+03	1.728241e+03	1.687678e+03
##	35811	35812	35813	35814	35815
##	1.673585e+03	1.674720e+03	1.683494e+03	1.714978e+03	1.702975e+03
##	35816	35817	35818	35819	35820
##	1.676708e+03	1.673838e+03	1.720882e+03	1.711945e+03	1.686061e+03
##	35821	35822	35823	35824	35825
##	1.697279e+03	1.677494e+03	1.713321e+03	1.680410e+03	6.962724e+02
##	35826	35827	35828	35829	35830
##	-4.322631e+02	9.682635e+02	4.150863e+02	1.421874e+03	1.700014e+03
##	35831	35832	35833	35834	35835
##	1.722973e+03	-9.003466e+01	1.652234e+03	1.428028e+03	1.775854e+03
##	35836	35837	35838	35839	35840
##	5.080917e+02	9.894092e+02	1.330946e+03	1.709160e+03	1.430069e+03
##	35841	35842	35843	35844	35845
##	6.301122e+02	1.401246e+03	1.608310e+03	1.565329e+03	1.657706e+03
##	35846	35847	35848	35849	35850
##	1.729556e+03	1.504330e+03	1.319814e+03	1.300125e+03	1.443713e+03
##	35851	35852	35853	35854	35855
##	1.526387e+03	1.589971e+03	1.480019e+03	1.505330e+03	1.512896e+03
##	35856	35857	35858	35859	35860
##	1.653293e+03	1.498508e+03	1.462585e+03	1.525814e+03	1.579491e+03
##	35861	35862	35863	35864	35865
##	1.559119e+03	1.562152e+03	6.503471e+02	1.116152e+03	1.470622e+03
##	35866	35867	35868	35869	35870
##	1.564618e+03	2.027891e+02	3.904877e+02	1.339582e+03	1.479655e+03
##	35871	35872	35873	35874	35875
##	1.780984e+03	1.324273e+03	1.953948e+03	2.091494e+03	1.497148e+03
##	35876	35877	35878	35879	35880
##	1.628601e+03	2.515035e+02	1.545576e+03	1.572785e+03	1.568876e+03
##	35881	35882	35883	35884	35885
##	1.575605e+03	1.554827e+03	1.562439e+03	1.548305e+03	1.542402e+03
##	35886	35887	35888	35889	35890
##	1.543182e+03	1.566101e+03	1.566050e+03	1.535925e+03	1.558742e+03
##	35891	35892	35893	35894	35895
##	1.596130e+03	1.559315e+03	1.511536e+03	1.532314e+03	1.548974e+03
##	35896	35897	35898	35899	35900
##	1.565264e+03	1.532263e+03	1.582087e+03	1.532932e+03	1.601968e+03
##	35901	35902	35903	35904	35905
##	1.566669e+03	1.545525e+03	1.578572e+03	1.569129e+03	1.541874e+03
##	35906	35907	35908	35909	35910
##	1.542705e+03	7.451240e+02	5.763407e+02	1.552851e+03	5.087891e+02
##	35911	35912	35913	35914	35915
##	3.459889e+02	1.661926e+03	3.786489e+02	5.786333e+02	-2.315880e+02
##	35916	35917	35918	35919	35920
##	7.232015e+01	1.045056e+02	5.027781e+01	6.137616e+01	9.875908e+00
##	35921	35922	35923	35924	35925
##	8.032941e+01	1.120229e+02	-8.796667e+01	-1.562845e+02	-2.192492e+02
##	35926	35927	35928	35929	35930

##	-1.113570e+02	-1.923090e+02	-4.700314e+00	1.575003e+02	5.749696e+01
##	35931	35932	35933	35934	35935
##	2.887026e+01	1.252414e+01	7.055541e+02	1.614729e+03	1.695186e+03
##	35936	35937	35938	35939	35940
##	1.466805e+03	4.026325e+02	7.381516e+02	8.510204e+02	7.839469e+02
##	35941	35942	35943	35944	35945
##	-7.082151e+02	-3.479745e+01	-5.918123e+01	-7.287519e+01	-7.503159e+01
##	35946	35947	35948	35949	35950
##	-2.253212e+01	-4.625966e+01	-7.930653e+01	-5.079287e+01	-6.995905e+01
##	35951	35952	35953	35954	35955
##	-5.444414e+01	-6.269649e+01	-1.096448e+02	-9.282184e+01	-9.168699e+01
##	35956	35957	35958	35959	35960
##	-1.387314e+02	-6.243821e+01	-6.024397e+02	-7.772211e+02	-7.402593e+02
##	35961	35962	35963	35964	35965
##	3.018319e+01	-8.748912e+02	5.473639e+01	6.424606e+01	6.538603e+02
##	35966	35967	35968	35969	35970
##	5.703669e+02	-7.492667e+01	-3.165320e+02	-3.200836e+02	-2.656124e+02
##	35971	35972	35973	35974	35975
##	9.278238e+02	3.633891e+02	1.563166e+03	1.662533e+03	1.731210e+03
##	35976	35977	35978	35979	35980
##	1.631182e+03	1.268857e+03	1.268034e+03	1.195781e+03	1.238747e+03
##	35981	35982	35983	35984	35985
##	1.399713e+03	1.399044e+03	1.355076e+03	1.186934e+03	1.272529e+03
##	35986	35987	35988	35989	35990
##	1.500723e+03	1.220215e+03	1.249038e+03	1.490276e+03	1.372797e+03
##	35991	35992	35993	35994	35995
##	1.497589e+03	1.328597e+03	1.545674e+03	1.457330e+03	1.479367e+03
##	35996	35997	35998	35999	36000
##	1.286954e+03	1.385086e+03	1.359240e+03	1.419665e+03	1.473413e+03
##	36001	36002	36003	36004	36005
##	1.507195e+03	1.466835e+03	1.893010e+03	1.488366e+03	1.353949e+03
##	36006	36007	36008	36009	36010
##	1.674816e+03	1.715191e+03	1.693369e+03	1.732533e+03	1.619409e+02
##	36011	36012	36013	36014	36015
##	4.140372e+02	5.362543e+02	7.446626e+02	-2.997301e+02	2.259206e+02
##	36016	36017	36018	36019	36020
##	1.209526e+03	1.117552e+03	3.075976e+01	-3.578015e+02	-3.673619e+02
##	36021	36022	36023	36024	36025
##	-3.830966e+02	2.300254e+02	9.714896e+02	9.891781e+02	1.215277e+03
##	36026	36027	36028	36029	36030
##	2.692180e+02	1.608877e+03	2.022486e+01	4.212337e+02	2.988373e+02
##	36031	36032	36033	36034	36035
##	3.872352e+02	3.769451e+02	4.077620e+02	3.712053e+02	3.578414e+02
##	36036	36037	36038	36039	36040
##	3.445229e+02	4.690248e+02	3.386752e+02	2.947145e+02	2.777501e+02
##	36041	36042	36043	36044	36045
##	2.762781e+02	3.269284e+02	4.272995e+02	5.638093e+02	1.069985e+03
##	36046	36047	36048	36049	36050
##	1.595096e+03	1.420726e+03	1.411149e+03	1.299961e+03	1.367922e+03
##	36051	36052	36053	36054	36055
##	1.482145e+03	1.447808e+03	1.351694e+03	1.428114e+03	1.102966e+03
##	36056	36057	36058	36059	36060
##	1.448312e+03	1.388514e+03	1.439355e+03	1.497660e+03	1.437498e+03
##	36061	36062	36063	36064	36065

##	1.497563e+03	1.297090e+03	1.515095e+03	1.704315e+03	1.474601e+03
##	36066	36067	36068	36069	36070
##	1.463722e+03	-1.494961e+03	7.390663e+02	6.787811e+02	6.714732e+02
##	36071	36072	36073	36074	36075
##	8.149450e+02	7.441771e+02	5.220934e+02	5.860511e+02	7.082881e+02
##	36076	36077	36078	36079	36080
##	6.817700e+02	1.546881e+03	1.208627e+03	1.280325e+03	1.306705e+03
##	36081	36082	36083	36084	36085
##	1.972154e+02	1.609535e+03	1.614023e+03	1.601637e+03	1.416686e+03
##	36086	36087	36088	36089	36090
##	1.488101e+03	1.465770e+03	8.999965e+02	9.676076e+02	1.415456e+03
##	36091	36092	36093	36094	36095
##	1.267838e+03	1.209098e+03	1.377681e+03	1.357396e+02	1.083628e+03
##	36096	36097	36098	36099	36100
##	1.404941e+03	1.388595e+03	1.338307e+03	1.445251e+03	9.951146e+02
##	36101	36102	36103	36104	36105
##	1.952040e+03	5.211070e+02	-5.485840e+02	1.907545e+03	5.744314e+02
##	36106	36107	36108	36109	36110
##	5.787487e+02	5.750467e+02	5.581784e+02	5.574432e+02	4.126682e+02
##	36111	36112	36113	36114	36115
##	6.707426e+02	7.369024e+02	6.453229e+02	5.786408e+02	6.889289e+02
##	36116	36117	36118	36119	36120
##	4.620019e+02	1.183547e+03	1.103604e+03	5.097965e+02	1.076300e+03
##	36121	36122	36123	36124	36125
##	1.702333e+03	1.254958e+03	1.194702e+03	7.627730e+02	7.981213e+02
##	36126	36127	36128	36129	36130
##	1.028692e+03	7.170085e+02	1.340048e+03	8.371227e+02	8.069466e+02
##	36131	36132	36133	36134	36135
##	6.378485e+02	7.292267e+02	8.114291e+02	7.387871e+02	6.905384e+02
##	36136	36137	36138	36139	36140
##	6.546715e+02	7.593121e+02	8.018740e+02	8.018233e+02	7.784275e+02
##	36141	36142	36143	36144	36145
##	7.990032e+02	6.488131e+02	7.660471e+02	7.527847e+02	7.659963e+02
##	36146	36147	36148	36149	36150
##	6.386344e+02	8.088166e+02	7.763426e+02	7.630802e+02	6.422857e+02
##	36151	36152	36153	36154	36155
##	7.558230e+02	7.467848e+02	8.006603e+02	7.440101e+02	6.129408e+02
##	36156	36157	36158	36159	36160
##	7.442230e+02	6.605074e+02	7.346626e+02	9.558092e+02	-2.031836e+03
##	36161	36162	36163	36164	36165
##	1.570206e+03	1.564459e+03	1.589219e+03	1.580800e+03	1.551700e+03
##	36166	36167	36168	36169	36170
##	1.363226e+03	1.386987e+03	1.742026e+03	1.768551e+03	1.768759e+03
##	36171	36172	36173	36174	36175
##	1.730023e+03	1.751105e+03	1.717895e+03	8.533137e+02	4.497686e+02
##	36176	36177	36178	36179	36180
##	-8.200139e+02	1.557975e+03	-5.216379e+02	8.812638e+02	9.991443e+02
##	36181	36182	36183	36184	36185
##	1.200778e+03	7.006802e+02	6.020410e+02	6.102548e+02	8.588770e+02
##	36186	36187	36188	36189	36190
##	1.270189e+03	1.653215e+03	1.502172e+03	1.537031e+03	7.652146e+02
##	36191	36192	36193	36194	36195
##	-1.869889e+03	1.723085e+03	1.664801e+03	1.692072e+03	1.675305e+03
##	36196	36197	36198	36199	36200

##	1.785295e+03	1.638258e+03	2.944097e+02	7.956239e+02	8.334078e+02
##	36201	36202	36203	36204	36205
##	1.215779e+03	1.472746e+03	1.058152e+03	1.700081e+03	1.704756e+03
##	36206	36207	36208	36209	36210
##	1.391374e+03	1.418412e+03	7.968957e+02	8.501484e+02	8.342114e+02
##	36211	36212	36213	36214	36215
##	9.053069e+02	1.000395e+03	8.711518e+02	8.776793e+02	1.027819e+03
##	36216	36217	36218	36219	36220
##	8.727182e+02	8.587206e+02	9.250489e+02	9.362664e+02	8.052931e+02
##	36221	36222	36223	36224	36225
##	8.015965e+02	1.089012e+03	1.211993e+03	1.212060e+03	1.146943e+03
##	36226	36227	36228	36229	36230
##	1.659103e+03	1.291785e+03	1.276206e+03	1.269635e+03	1.410276e+03
##	36231	36232	36233	36234	36235
##	1.206980e+03	1.279240e+03	1.345532e+03	1.863789e+03	1.544660e+03
##	36236	36237	36238	36239	36240
##	1.471929e+03	1.137363e+03	-1.711049e+03	1.269762e+03	1.653573e+03
##	36241	36242	36243	36244	36245
##	8.986693e+02	4.182601e+02	-4.761281e+02	1.230570e+03	1.384513e+03
##	36246	36247	36248	36249	36250
##	1.337373e+03	1.413762e+03	1.377104e+03	1.364724e+03	1.391512e+03
##	36251	36252	36253	36254	36255
##	1.337991e+03	1.247587e+03	1.413861e+03	1.416891e+03	1.351512e+03
##	36256	36257	36258	36259	36260
##	1.293799e+03	1.364678e+03	1.499166e+03	1.952192e+02	-3.488824e+02
##	36261	36262	36263	36264	36265
##	1.526758e+03	1.372340e+03	1.623424e+03	1.407227e+03	1.360132e+03
##	36266	36267	36268	36269	36270
##	1.409474e+03	1.509097e+03	8.665153e+02	1.089109e+03	-1.926695e+02
##	36271	36272	36273	36274	36275
##	-2.401935e+02	-2.980974e+02	-2.549625e+02	-2.695384e+02	-2.871328e+02
##	36276	36277	36278	36279	36280
##	-3.104271e+02	-2.775270e+02	-3.245715e+02	-8.483998e+02	-9.403453e+02
##	36281	36282	36283	36284	36285
##	-4.670193e+02	-2.227254e+02	-8.145994e+02	-6.001230e+02	-6.828403e+02
##	36286	36287	36288	36289	36290
##	-1.001031e+03	-9.220751e+02	-2.782408e+02	-5.167451e+02	-1.159231e+02
##	36291	36292	36293	36294	36295
##	-2.104070e+02	-9.859856e+02	-2.563165e+02	-5.776038e+02	-5.042308e+02
##	36296	36297	36298	36299	36300
##	-6.580655e+02	-7.811412e+02	-5.268246e+02	-8.382535e+02	-2.427848e+02
##	36301	36302	36303	36304	36305
##	6.955115e+02	6.853103e+02	5.505389e+02	5.733110e+02	5.834897e+02
##	36306	36307	36308	36309	36310
##	6.743004e+02	6.940395e+02	7.035945e+02	5.959209e+02	6.999432e+02
##	36311	36312	36313	36314	36315
##	5.521506e+02	6.127852e+02	5.257219e+02	5.243178e+02	1.153657e+03
##	36316	36317	36318	36319	36320
##	1.124099e+03	1.009949e+03	1.071410e+03	1.007124e+03	1.128060e+03
##	36321	36322	36323	36324	36325
##	1.101535e+03	1.154185e+03	1.154488e+03	1.104619e+03	1.151455e+03
##	36326	36327	36328	36329	36330
##	1.151405e+03	1.072286e+03	9.783518e+02	1.054421e+03	1.095064e+03
##	36331	36332	36333	36334	36335

##	9.809079e+02	1.065455e+03	9.690497e+02	9.785593e+02	1.030407e+03
##	36336	36337	36338	36339	36340
##	1.126806e+03	1.073807e+03	9.867438e+02	1.159757e+03	9.963042e+02
##	36341	36342	36343	36344	36345
##	1.100023e+03	1.166279e+03	1.185694e+03	2.306095e+02	7.314274e+02
##	36346	36347	36348	36349	36350
##	-9.043176e+02	1.178448e+03	1.599943e+03	1.831931e+03	1.621617e+03
##	36351	36352	36353	36354	36355
##	7.987630e+02	6.336614e+02	1.310033e+03	-2.452355e+03	7.910820e+02
##	36356	36357	36358	36359	36360
##	-5.912960e+02	1.446677e+03	1.431213e+03	1.515965e+03	7.188312e+02
##	36361	36362	36363	36364	36365
##	1.811215e+03	1.087339e+03	1.433905e+03	1.518978e+03	1.469204e+03
##	36366	36367	36368	36369	36370
##	1.517984e+03	1.504009e+03	1.503026e+03	1.590579e+03	1.628809e+03
##	36371	36372	36373	36374	36375
##	9.907764e+02	1.009993e+03	1.465836e+03	1.529803e+03	-1.901286e+03
##	36376	36377	36378	36379	36380
##	1.209723e+03	1.509391e+03	5.742637e+02	1.888677e+03	1.311221e+02
##	36381	36382	36383	36384	36385
##	-8.790885e+00	6.178325e+02	6.682770e+02	5.918841e+02	6.021779e+02
##	36386	36387	36388	36389	36390
##	-3.316963e+02	-3.283050e+02	1.517536e+03	-1.300499e+03	1.468296e+03
##	36391	36392	36393	36394	36395
##	1.568830e+03	1.409720e+03	1.429277e+03	1.256632e+03	3.907492e+02
##	36396	36397	36398	36399	36400
##	-8.620459e+02	9.755245e+02	9.166844e+02	9.429509e+02	9.513483e+02
##	36401	36402	36403	36404	36405
##	8.738001e+02	6.875019e+02	8.684864e+02	8.716155e+02	8.229973e+02
##	36406	36407	36408	36409	36410
##	8.945343e+02	8.447135e+02	9.586109e+02	9.512069e+02	9.820012e+02
##	36411	36412	36413	36414	36415
##	9.541230e+02	8.868042e+02	8.598025e+02	9.862480e+02	8.596837e+02
##	36416	36417	36418	36419	36420
##	8.723788e+02	6.962311e+02	8.791138e+02	8.236748e+02	8.360930e+02
##	36421	36422	36423	36424	36425
##	7.865639e+02	8.057808e+02	6.595217e+02	8.278905e+02	8.639250e+02
##	36426	36427	36428	36429	36430
##	8.901915e+02	8.946740e+02	8.247614e+02	8.887195e+02	8.256887e+02
##	36431	36432	36433	36434	36435
##	8.321147e+02	7.109094e+02	8.521121e+02	8.124263e+02	8.690312e+02
##	36436	36437	36438	36439	36440
##	7.613068e+02	9.114970e+02	9.050656e+02	8.514938e+02	8.413605e+02
##	36441	36442	36443	36444	36445
##	8.323276e+02	8.689351e+02	8.132068e+02	8.498142e+02	8.926798e+02
##	36446	36447	36448	36449	36450
##	8.756700e+02	8.825011e+02	8.825011e+02	8.427646e+02	8.331588e+02
##	36451	36452	36453	36454	36455
##	7.386969e+02	8.830740e+02	8.067301e+02	7.925670e+02	7.869457e+02
##	36456	36457	36458	36459	36460
##	8.134197e+02	8.639079e+02	8.765973e+02	8.802033e+02	8.472978e+02
##	36461	36462	36463	36464	36465
##	8.340354e+02	7.364445e+02	9.066773e+02	8.272551e+02	8.545604e+02
##	36466	36467	36468	36469	36470

##	7.942536e+02	9.072503e+02	6.504096e+02	1.525300e+03	1.582434e+03
##	36471	36472	36473	36474	36475
##	1.450884e+03	1.532507e+03	1.570728e+03	1.564935e+03	1.387474e+03
##	36476	36477	36478	36479	36480
##	1.541383e+03	1.433169e+03	1.404927e+03	1.431654e+03	1.564935e+03
##	36481	36482	36483	36484	36485
##	1.430816e+03	1.363824e+03	1.747981e+03	1.721552e+03	1.758372e+03
##	36486	36487	36488	36489	36490
##	1.762850e+03	1.747403e+03	1.762018e+03	1.706667e+03	1.713924e+03
##	36491	36492	36493	36494	36495
##	1.699836e+03	1.487777e+03	3.182908e+02	1.687146e+03	1.553809e+03
##	36496	36497	36498	36499	36500
##	1.998080e+03	1.545460e+03	9.542465e+02	1.843504e+03	6.181967e+02
##	36501	36502	36503	36504	36505
##	1.695088e+03	1.449274e+03	1.348890e+03	4.924240e+02	1.587323e+03
##	36506	36507	36508	36509	36510
##	1.425702e+03	8.180435e+02	1.370769e+03	1.863580e+03	1.654979e+03
##	36511	36512	36513	36514	36515
##	1.628601e+03	1.668814e+03	1.569497e+03	6.991256e+02	1.091267e+03
##	36516	36517	36518	36519	36520
##	1.094873e+03	1.076841e+03	1.057596e+03	1.105406e+03	1.034089e+03
##	36521	36522	36523	36524	36525
##	5.306806e+02	3.459603e+02	4.836869e+02	1.130393e+02	4.109503e+02
##	36526	36527	36528	36529	36530
##	6.131786e+02	8.502336e+02	9.161252e+02	8.462562e+02	8.859420e+02
##	36531	36532	36533	36534	36535
##	8.220800e+02	4.438864e+02	4.621081e+02	1.208088e+03	1.241561e+03
##	36536	36537	36538	36539	36540
##	2.676262e+02	1.137340e+02	1.885218e+01	3.739060e+02	3.971204e+02
##	36541	36542	36543	36544	36545
##	5.228573e+02	4.767555e+02	4.911584e+02	5.486639e+02	4.037592e+02
##	36546	36547	36548	36549	36550
##	2.492396e+02	4.412940e+02	4.412940e+02	5.038026e+02	5.976654e+02
##	36551	36552	36553	36554	36555
##	5.506264e+02	6.579963e+02	6.603885e+02	5.897408e+02	5.224220e+02
##	36556	36557	36558	36559	36560
##	6.705219e+02	5.202810e+02	4.982440e+02	6.050918e+02	5.535461e+02
##	36561	36562	36563	36564	36565
##	6.837389e+02	5.057649e+02	1.413883e+03	7.163238e+02	9.077159e+02
##	36566	36567	36568	36569	36570
##	1.052300e+03	9.457618e+02	8.262259e+02	6.653496e+02	4.012566e+02
##	36571	36572	36573	36574	36575
##	8.521272e+02	-2.866369e+03	-1.660341e+03	-4.649710e+02	1.244775e+03
##	36576	36577	36578	36579	36580
##	1.091382e+03	1.469256e+03	1.419701e+03	4.921029e+02	4.798147e+02
##	36581	36582	36583	36584	36585
##	1.579676e+03	1.603008e+03	1.606355e+03	1.573450e+03	1.619825e+03
##	36586	36587	36588	36589	36590
##	1.617836e+03	1.620404e+03	1.605782e+03	1.609439e+03	1.600137e+03
##	36591	36592	36593	36594	36595
##	1.625521e+03	-1.767906e+03	9.884849e+02	1.531342e+03	1.581585e+03
##	36596	36597	36598	36599	36600
##	1.600065e+03	1.482304e+03	1.290893e+03	1.802401e+03	1.377159e+03
##	36601	36602	36603	36604	36605

##	-1.099232e+02	-9.515681e+02	-6.663335e+02	-5.807818e+02	-7.563135e+02
##	36606	36607	36608	36609	36610
##	-6.386004e+02	-2.870827e+02	-2.634287e+02	-8.808230e+02	-5.871188e+02
##	36611	36612	36613	36614	36615
##	-5.804292e+02	-2.155572e+02	-2.371001e+02	-3.232003e+02	-8.284973e+02
##	36616	36617	36618	36619	36620
##	-3.182922e+02	-1.215739e+02	-5.287273e+02	-7.969942e+02	7.209163e+02
##	36621	36622	36623	36624	36625
##	7.147542e+02	7.738886e+02	7.398204e+02	8.244656e+02	7.824439e+02
##	36626	36627	36628	36629	36630
##	6.995164e+02	9.393724e+02	1.027416e+03	4.249122e+02	8.019468e+02
##	36631	36632	36633	36634	36635
##	1.635335e+03	-5.275444e+02	8.216486e+02	7.823751e+02	7.096425e+02
##	36636	36637	36638	36639	36640
##	7.362127e+02	8.273346e+02	6.273046e+02	1.637815e+03	1.632677e+03
##	36641	36642	36643	36644	36645
##	1.572062e+03	1.542813e+03	8.130097e+02	7.243837e+02	4.499349e+02
##	36646	36647	36648	36649	36650
##	5.589149e+02	7.384680e+02	7.232611e+02	6.666562e+02	6.801316e+02
##	36651	36652	36653	36654	36655
##	1.575967e+03	-2.261000e+03	-2.261000e+03	1.084194e+03	1.561334e+03
##	36656	36657	36658	36659	36660
##	1.876192e+03	1.297459e+03	1.289516e+03	1.304716e+03	1.278338e+03
##	36661	36662	36663	36664	36665
##	1.124187e+03	1.658494e+03	1.619527e+03	1.088934e+03	9.967562e+02
##	36666	36667	36668	36669	36670
##	1.291113e+03	1.081796e+03	1.123869e+03	1.774359e+03	1.748716e+03
##	36671	36672	36673	36674	36675
##	2.799321e+02	8.420505e+02	-7.960801e+02	1.500092e+03	1.373468e+03
##	36676	36677	36678	36679	36680
##	1.520546e+03	1.328747e+03	1.397629e+03	3.742077e+02	8.700288e+02
##	36681	36682	36683	36684	36685
##	1.154541e+03	1.431261e+03	1.877619e+03	1.524428e+03	1.606574e+03
##	36686	36687	36688	36689	36690
##	6.106614e+02	1.030824e+03	1.072808e+03	1.026567e+03	1.048475e+03
##	36691	36692	36693	36694	36695
##	1.008782e+03	6.127217e+02	1.708088e+03	1.628748e+03	1.668307e+03
##	36696	36697	36698	36699	36700
##	1.675706e+03	1.668782e+03	1.698832e+03	1.647654e+03	9.880586e+02
##	36701	36702	36703	36704	36705
##	1.403293e+03	3.539599e+02	1.340693e+03	1.436408e+03	1.419111e+03
##	36706	36707	36708	36709	36710
##	3.619095e+02	3.664119e+02	3.318596e+02	3.266402e+02	1.050245e+03
##	36711	36712	36713	36714	36715
##	1.183915e+03	1.456114e+03	6.675628e+02	8.301770e+02	-2.063218e+03
##	36716	36717	36718	36719	36720
##	-3.586484e+02	5.715529e+02	1.738346e+03	1.113849e+03	1.510085e+03
##	36721	36722	36723	36724	36725
##	1.448261e+03	1.672804e+03	1.910092e+03	1.407277e+03	1.505234e+03
##	36726	36727	36728	36729	36730
##	1.474373e+03	1.405024e+03	1.507674e+03	1.456933e+03	1.468677e+03
##	36731	36732	36733	36734	36735
##	1.403347e+03	1.452373e+03	1.565224e+03	1.488989e+03	1.542705e+03
##	36736	36737	36738	36739	36740

##	1.389600e+03	1.502459e+03	1.539627e+03	1.367445e+03	1.363234e+03
##	36741	36742	36743	36744	36745
##	1.575661e+03	1.464975e+03	1.755539e+03	1.357963e+03	1.312409e+03
##	36746	36747	36748	36749	36750
##	1.429533e+03	1.443207e+03	1.483562e+03	1.449684e+03	1.510249e+03
##	36751	36752	36753	36754	36755
##	1.698072e+03	1.456464e+03	1.497817e+03	1.453386e+03	1.731758e+03
##	36756	36757	36758	36759	36760
##	8.678360e+02	7.121652e+02	1.675974e+03	2.592125e+02	-1.514735e+02
##	36761	36762	36763	36764	36765
##	-1.036380e+02	-7.691018e+02	1.494811e+03	1.291439e+03	1.306954e+03
##	36766	36767	36768	36769	36770
##	1.199848e+03	1.312696e+03	1.320865e+03	8.564748e+02	1.095925e+03
##	36771	36772	36773	36774	36775
##	1.296103e+03	1.192112e+03	1.294568e+03	1.029241e+03	1.014312e+03
##	36776	36777	36778	36779	36780
##	1.380915e+03	1.341309e+03	1.281879e+03	1.329755e+03	-7.583292e+02
##	36781	36782	36783	36784	36785
##	1.424556e+03	1.456703e+03	7.367706e+02	1.328481e+03	1.355001e+03
##	36786	36787	36788	36789	36790
##	7.164234e+02	7.994080e+02	8.609627e+02	8.541770e+02	8.673887e+02
##	36791	36792	36793	36794	36795
##	7.364208e+02	8.000829e+02	7.955833e+02	7.340268e+02	8.146534e+02
##	36796	36797	36798	36799	36800
##	8.242592e+02	7.188156e+02	8.690057e+02	7.055532e+02	7.649834e+02
##	36801	36802	36803	36804	36805
##	1.331789e+03	1.186556e+03	1.332517e+03	1.293874e+03	1.359771e+03
##	36806	36807	36808	36809	36810
##	1.291617e+03	1.416954e+03	1.220596e+03	1.396379e+03	1.312188e+03
##	36811	36812	36813	36814	36815
##	1.304880e+03	1.259905e+03	1.066543e+03	1.405034e+03	1.233409e+03
##	36816	36817	36818	36819	36820
##	-8.419893e+02	2.781604e+02	-1.929276e+03	-1.961887e+03	-1.857522e+03
##	36821	36822	36823	36824	36825
##	-1.924153e+03	-1.949399e+03	1.759930e+03	1.582838e+03	9.935978e+02
##	36826	36827	36828	36829	36830
##	-3.515910e+02	1.821231e+03	1.962101e+03	1.839447e+03	1.805362e+03
##	36831	36832	36833	36834	36835
##	1.677591e+03	1.686579e+03	1.653202e+03	1.656539e+03	1.497356e+03
##	36836	36837	36838	36839	36840
##	8.556575e+02	8.695553e+02	1.013066e+03	1.009461e+03	9.831558e+02
##	36841	36842	36843	36844	36845
##	9.351378e+02	8.385485e+02	9.214706e+02	1.052966e+03	9.351591e+02
##	36846	36847	36848	36849	36850
##	8.985010e+02	9.628375e+02	8.472152e+02	1.010617e+03	9.131168e+02
##	36851	36852	36853	36854	36855
##	7.789584e+02	8.479957e+02	8.524782e+02	8.847653e+02	1.284728e+03
##	36856	36857	36858	36859	36860
##	1.667316e+03	3.231867e+02	3.841564e+02	1.224745e+03	1.439647e+03
##	36861	36862	36863	36864	36865
##	1.432334e+03	1.334413e+03	1.432547e+03	1.493435e+03	1.319035e+03
##	36866	36867	36868	36869	36870
##	1.288847e+03	1.432334e+03	1.448680e+03	1.290974e+03	1.458078e+03
##	36871	36872	36873	36874	36875

##	1.445590e+03	1.317448e+03	1.459381e+03	1.445596e+03	1.294354e+03
##	36876	36877	36878	36879	36880
##	1.439818e+03	1.259610e+03	1.446382e+03	1.441849e+03	-3.460997e+02
##	36881	36882	36883	36884	36885
##	-4.200459e+02	1.707671e+03	1.791191e+03	1.476206e+03	-1.799264e+01
##	36886	36887	36888	36889	36890
##	1.543408e+03	1.321875e+02	1.714889e+03	1.737499e+03	-9.996335e+02
##	36891	36892	36893	36894	36895
##	1.327056e+03	1.286843e+03	1.162446e+03	1.302245e+03	1.187354e+03
##	36896	36897	36898	36899	36900
##	1.117424e+03	1.082811e+03	1.080513e+03	1.538746e+03	1.221729e+03
##	36901	36902	36903	36904	36905
##	1.782607e+03	1.794165e+03	1.519337e+03	9.473948e+02	-6.727899e+02
##	36906	36907	36908	36909	36910
##	6.878547e+02	1.861288e+03	1.659838e+03	1.268550e+03	1.258209e+03
##	36911	36912	36913	36914	36915
##	1.275027e+03	1.290818e+03	1.147044e+03	1.220155e+03	1.242978e+03
##	36916	36917	36918	36919	36920
##	1.279593e+03	1.275941e+03	1.359966e+03	1.298855e+03	1.405708e+03
##	36921	36922	36923	36924	36925
##	1.257499e+03	1.215898e+03	1.414268e+03	1.331093e+03	1.407011e+03
##	36926	36927	36928	36929	36930
##	1.251550e+03	1.323817e+03	1.257505e+03	1.318139e+03	1.391400e+03
##	36931	36932	36933	36934	36935
##	7.456738e+02	8.143554e+02	8.179895e+02	8.232329e+02	8.281043e+02
##	36936	36937	36938	36939	36940
##	8.087903e+02	6.912168e+02	8.113574e+02	7.125450e+02	1.126637e+03
##	36941	36942	36943	36944	36945
##	9.414248e+02	-9.157851e+02	2.958178e+02	-9.347884e+02	4.101266e+02
##	36946	36947	36948	36949	36950
##	7.415188e+02	-6.146784e+02	-5.985906e+02	9.246702e+01	3.534712e+02
##	36951	36952	36953	36954	36955
##	1.942240e+02	4.709621e+02	-1.245374e+02	-1.384896e+02	-4.545941e+02
##	36956	36957	36958	36959	36960
##	-4.481120e+02	-4.101043e+01	-6.158075e+01	1.790912e+02	-2.197457e+03
##	36961	36962	36963	36964	36965
##	1.291287e+03	1.219289e+03	1.286067e+03	1.185553e+03	1.195681e+03
##	36966	36967	36968	36969	36970
##	1.378923e+03	1.235462e+03	1.346657e+03	1.236152e+03	1.359028e+03
##	36971	36972	36973	36974	36975
##	1.819182e+03	1.914793e+03	8.837282e+02	7.422524e+02	1.612562e+03
##	36976	36977	36978	36979	36980
##	1.792768e+03	1.580259e+03	1.682523e+03	-4.049509e+02	1.762269e+03
##	36981	36982	36983	36984	36985
##	1.757213e+03	1.731363e+03	1.832867e+03	9.448631e+02	-9.328893e+02
##	36986	36987	36988	36989	36990
##	1.096485e+03	-5.942001e+02	-3.884347e+02	1.587537e+03	1.675067e+03
##	36991	36992	36993	36994	36995
##	1.468946e+03	-4.358540e+02	-3.117030e+02	-2.626698e+02	-4.018154e+02
##	36996	36997	36998	36999	37000
##	4.739198e+02	4.775711e+02	1.084811e+03	1.720930e+03	1.494577e+03
##	37001	37002	37003	37004	37005
##	-4.925924e+02	6.106584e+01	-4.748932e+02	1.329125e+03	1.430114e+03
##	37006	37007	37008	37009	37010

##	7.278170e+02	6.387196e+02	7.692160e+02	7.626432e+02	1.097506e+03
##	37011	37012	37013	37014	37015
##	1.217667e+03	1.065814e+03	9.799532e+02	1.061781e+03	1.172184e+03
##	37016	37017	37018	37019	37020
##	1.104454e+03	1.091861e+03	1.189883e+03	1.216357e+03	1.150450e+03
##	37021	37022	37023	37024	37025
##	1.146213e+03	1.107212e+03	1.080737e+03	1.083867e+03	1.200269e+03
##	37026	37027	37028	37029	37030
##	1.019954e+03	1.118904e+03	8.805313e+02	9.880755e+02	1.010079e+03
##	37031	37032	37033	37034	37035
##	1.509569e+03	6.334963e+02	8.483765e+02	9.270237e+02	1.642504e+03
##	37036	37037	37038	37039	37040
##	1.572799e+03	1.667574e+03	9.410456e+02	1.066462e+03	7.857437e+02
##	37041	37042	37043	37044	37045
##	1.709382e+03	1.520474e+03	1.558693e+03	1.095303e+03	1.095252e+03
##	37046	37047	37048	37049	37050
##	8.458326e+02	1.666192e+03	1.638932e+03	9.657683e+02	1.612414e+03
##	37051	37052	37053	37054	37055
##	1.541840e+03	1.093261e+03	1.017345e+03	1.191615e+03	1.571938e+03
##	37056	37057	37058	37059	37060
##	5.551614e+02	9.375205e+02	8.904707e+02	5.122264e+02	5.396349e+02
##	37061	37062	37063	37064	37065
##	1.302010e+03	1.330782e+03	1.417632e+03	1.349218e+03	1.368220e+03
##	37066	37067	37068	37069	37070
##	1.326090e+03	4.798993e+02	1.431116e+03	1.035806e+03	2.325793e+02
##	37071	37072	37073	37074	37075
##	6.369614e+02	5.429756e+01	4.646925e+02	5.884298e+02	5.237348e+02
##	37076	37077	37078	37079	37080
##	5.748566e+02	5.809679e+02	6.567459e+02	6.333555e+02	3.274037e+02
##	37081	37082	37083	37084	37085
##	5.080093e+02	4.618469e+02	6.300325e+02	6.034569e+02	6.264266e+02
##	37086	37087	37088	37089	37090
##	6.668421e+02	6.040806e+02	7.442942e+02	6.588214e+02	5.887225e+02
##	37091	37092	37093	37094	37095
##	6.307622e+02	7.137466e+02	6.898287e+02	6.633546e+02	5.408792e+02
##	37096	37097	37098	37099	37100
##	7.323399e+02	6.427843e+02	5.562939e+02	6.662254e+02	7.287339e+02
##	37101	37102	37103	37104	37105
##	3.585487e+02	5.484000e+02	1.308829e+03	2.771758e+02	2.764407e+02
##	37106	37107	37108	37109	37110
##	2.575836e+02	1.089253e+03	1.054639e+03	1.064818e+03	2.479568e+02
##	37111	37112	37113	37114	37115
##	-2.148331e+02	1.682115e+02	1.544327e+03	6.778374e+02	1.503044e+03
##	37116	37117	37118	37119	37120
##	1.160387e+03	1.506730e+03	6.111779e+02	9.083218e+02	9.592322e+02
##	37121	37122	37123	37124	37125
##	9.267245e+02	1.021808e+03	1.000243e+03	7.691434e+02	8.674228e+02
##	37126	37127	37128	37129	37130
##	1.759712e+03	-1.868261e+03	1.308747e+03	1.862709e+03	1.140451e+03
##	37131	37132	37133	37134	37135
##	1.577006e+03	1.941374e+03	1.373636e+03	1.261704e+03	1.525190e+03
##	37136	37137	37138	37139	37140
##	-4.145700e+02	1.829056e+03	1.825359e+03	9.783699e+02	9.828070e+02
##	37141	37142	37143	37144	37145

##	1.759829e+03	1.921767e+03	1.052695e+03	1.016088e+03	7.998252e+02
##	37146	37147	37148	37149	37150
##	8.855179e+02	1.018863e+03	9.923884e+02	1.028468e+03	1.030136e+03
##	37151	37152	37153	37154	37155
##	1.092287e+03	9.212941e+02	9.148628e+02	7.314665e+02	9.219295e+02
##	37156	37157	37158	37159	37160
##	8.954555e+02	9.344568e+02	9.024941e+02	9.095944e+02	8.120996e+02
##	37161	37162	37163	37164	37165
##	8.039510e+02	8.801988e+02	8.611287e+02	9.300687e+02	9.199353e+02
##	37166	37167	37168	37169	37170
##	9.666761e+02	9.235412e+02	7.564374e+02	9.595757e+02	8.334127e+02
##	37171	37172	37173	37174	37175
##	9.044712e+02	9.340289e+02	9.207665e+02	9.537227e+02	9.441623e+02
##	37176	37177	37178	37179	37180
##	9.441623e+02	9.149081e+02	8.685535e+02	9.455664e+02	9.449881e+02
##	37181	37182	37183	37184	37185
##	9.081278e+02	8.344438e+02	-5.265289e+02	-2.224906e+02	-1.377092e+02
##	37186	37187	37188	37189	37190
##	8.412936e+02	9.095437e+02	1.671435e+03	1.481509e+03	1.628514e+03
##	37191	37192	37193	37194	37195
##	1.600196e+03	1.590108e+03	-5.101539e+02	2.832060e+02	7.421144e+02
##	37196	37197	37198	37199	37200
##	1.488030e+03	-7.365934e+02	1.657469e+03	1.740368e+03	1.336666e+03
##	37201	37202	37203	37204	37205
##	1.441300e+03	1.184363e+03	1.657310e+03	1.702264e+03	1.675106e+03
##	37206	37207	37208	37209	37210
##	1.684565e+03	1.684616e+03	1.717617e+03	1.661012e+03	1.695052e+03
##	37211	37212	37213	37214	37215
##	1.708011e+03	1.658187e+03	1.711966e+03	1.724874e+03	1.677095e+03
##	37216	37217	37218	37219	37220
##	1.684408e+03	-3.801966e+02	1.416859e+03	9.924615e+02	-2.415612e+02
##	37221	37222	37223	37224	37225
##	1.366463e+03	1.362716e+03	7.950502e+02	8.727835e+02	1.287575e+03
##	37226	37227	37228	37229	37230
##	1.215606e+03	1.245845e+03	1.105215e+03	1.228880e+03	1.225746e+03
##	37231	37232	37233	37234	37235
##	1.236233e+03	1.158123e+03	1.095558e+03	1.258960e+03	1.232486e+03
##	37236	37237	37238	37239	37240
##	1.203237e+03	1.273890e+03	1.142816e+03	1.112898e+03	1.197573e+03
##	37241	37242	37243	37244	37245
##	-2.780513e+02	9.886141e+02	1.056037e+03	1.818203e+03	1.803868e+03
##	37246	37247	37248	37249	37250
##	1.303326e+03	1.066227e+03	1.456110e+03	-7.803789e+02	2.053934e+03
##	37251	37252	37253	37254	37255
##	2.105580e+03	1.772677e+03	1.297518e+03	1.278937e+03	1.257203e+03
##	37256	37257	37258	37259	37260
##	9.553750e+02	1.026095e+03	1.056452e+03	8.536959e+02	1.503245e+03
##	37261	37262	37263	37264	37265
##	-2.150799e+03	-2.280747e+03	-2.354884e+03	-2.191603e+03	6.681166e+02
##	37266	37267	37268	37269	37270
##	4.294252e-01	-4.856802e+02	-1.449462e+02	-7.366980e+02	-5.431915e+01
##	37271	37272	37273	37274	37275
##	-1.255398e+02	-6.753082e+01	-6.810376e+01	-8.418622e+01	-8.950584e+02
##	37276	37277	37278	37279	37280

##	-1.085721e+03	2.300299e+02	5.838412e+02	5.198777e+02	2.047874e+02
##	37281	37282	37283	37284	37285
##	1.827216e+02	3.217815e+02	-1.549815e+03	2.848277e+02	2.481242e+02
##	37286	37287	37288	37289	37290
##	7.858830e+02	8.010661e+02	7.364954e+02	7.300187e+02	7.525325e+02
##	37291	37292	37293	37294	37295
##	1.087339e+03	9.690624e+02	-3.402518e+01	2.022823e+02	6.686109e+01
##	37296	37297	37298	37299	37300
##	2.127170e+02	1.696124e+03	1.392205e+03	1.338081e+03	1.314382e+03
##	37301	37302	37303	37304	37305
##	-1.411497e+03	1.827691e+03	1.144086e+02	-1.958839e+03	1.326356e+03
##	37306	37307	37308	37309	37310
##	1.692161e+03	1.675196e+03	1.747884e+03	1.689290e+03	1.691492e+03
##	37311	37312	37313	37314	37315
##	1.591172e+03	1.363030e+03	1.362199e+03	1.578393e+03	1.505044e+03
##	37316	37317	37318	37319	37320
##	1.496028e+03	1.714924e+03	8.720178e+02	1.672046e+03	1.759698e+03
##	37321	37322	37323	37324	37325
##	1.733014e+03	9.151874e+02	1.972154e+02	1.004866e+03	1.461643e+03
##	37326	37327	37328	37329	37330
##	1.310649e+03	1.556817e+02	1.524614e+03	1.027438e+03	5.175416e+02
##	37331	37332	37333	37334	37335
##	1.238595e+03	1.286803e+03	1.497124e+03	1.805901e+03	1.385563e+03
##	37336	37337	37338	37339	37340
##	1.489816e+03	1.400719e+03	1.494730e+03	1.487422e+03	1.732451e+03
##	37341	37342	37343	37344	37345
##	9.163331e+02	1.535561e+03	1.483013e+03	1.505623e+03	1.519620e+03
##	37346	37347	37348	37349	37350
##	1.269411e+03	1.520406e+03	1.824580e+03	1.607250e+03	1.653666e+03
##	37351	37352	37353	37354	37355
##	1.455031e+03	1.359523e+03	1.558141e+03	1.391951e+03	1.434626e+03
##	37356	37357	37358	37359	37360
##	1.498503e+03	1.401624e+03	1.516901e+03	1.446322e+03	1.656761e+03
##	37361	37362	37363	37364	37365
##	1.562679e+03	1.405326e+03	1.605374e+03	1.408199e+03	1.332342e+03
##	37366	37367	37368	37369	37370
##	1.347644e+03	1.524333e+03	1.404540e+03	1.373623e+03	1.663609e+03
##	37371	37372	37373	37374	37375
##	1.366793e+03	1.451754e+03	1.432486e+03	1.410973e+03	1.477314e+03
##	37376	37377	37378	37379	37380
##	1.396352e+03	1.094262e+03	1.432486e+03	1.384532e+03	1.745698e+03
##	37381	37382	37383	37384	37385
##	1.486234e+03	1.344070e+03	1.358131e+03	1.097133e+03	1.583885e+03
##	37386	37387	37388	37389	37390
##	1.555467e+03	1.442060e+03	1.514063e+03	1.549195e+03	-3.013660e+02
##	37391	37392	37393	37394	37395
##	2.018124e+02	1.497462e+02	1.915169e+02	1.014285e+03	1.303916e+03
##	37396	37397	37398	37399	37400
##	5.557372e+02	5.045921e+02	1.590568e+03	1.014134e+02	1.979214e+03
##	37401	37402	37403	37404	37405
##	1.307089e+03	1.691955e+03	1.690204e+03	1.708702e+03	-1.581430e+02
##	37406	37407	37408	37409	37410
##	-2.163106e+02	-1.807022e+02	1.111283e+03	7.455863e+02	5.663823e+02
##	37411	37412	37413	37414	37415

##	5.179634e+02	7.799466e+02	7.895523e+02	8.107563e+02	8.506566e+02
##	37416	37417	37418	37419	37420
##	7.659526e+02	7.194758e+02	-8.804661e+02	1.454365e+03	4.225009e+02
##	37421	37422	37423	37424	37425
##	1.562599e+03	1.526682e+03	1.613922e+03	1.547987e+03	1.532682e+03
##	37426	37427	37428	37429	37430
##	1.624937e+03	1.600710e+03	1.572373e+03	1.694038e+03	1.700702e+03
##	37431	37432	37433	37434	37435
##	1.490910e+03	1.596222e+03	1.560600e+03	1.383287e+03	1.519323e+03
##	37436	37437	37438	37439	37440
##	1.581802e+03	1.620707e+03	1.496864e+03	1.608753e+03	1.560464e+03
##	37441	37442	37443	37444	37445
##	1.581675e+03	1.664572e+03	-3.603225e+02	1.120244e+02	-2.555996e+02
##	37446	37447	37448	37449	37450
##	2.747418e+02	4.990233e+02	1.671442e+03	3.343578e+02	1.673801e+03
##	37451	37452	37453	37454	37455
##	1.736656e+03	8.613221e+02	8.992281e+02	1.070540e+03	8.208541e+02
##	37456	37457	37458	37459	37460
##	8.389213e+02	8.653500e+02	1.253863e+03	1.180249e+03	1.285630e+03
##	37461	37462	37463	37464	37465
##	1.308240e+03	1.379733e+03	1.504959e+03	1.275835e+03	1.448831e+03
##	37466	37467	37468	37469	37470
##	1.432698e+03	1.368508e+03	1.436299e+03	1.456301e+03	1.426794e+03
##	37471	37472	37473	37474	37475
##	1.378951e+03	1.439382e+03	1.338641e+03	1.470187e+03	1.283861e+03
##	37476	37477	37478	37479	37480
##	1.446696e+03	1.287989e+03	1.218389e+03	1.256418e+03	1.241993e+03
##	37481	37482	37483	37484	37485
##	1.262681e+03	8.040311e+02	9.175631e+02	7.702491e+02	8.708825e+02
##	37486	37487	37488	37489	37490
##	8.539688e+02	7.967721e+02	9.552146e+02	9.160457e+02	9.057048e+02
##	37491	37492	37493	37494	37495
##	9.285276e+02	9.284769e+02	9.412171e+02	9.014806e+02	7.740626e+02
##	37496	37497	37498	37499	37500
##	5.737671e+02	5.867012e+02	5.867012e+02	5.737671e+02	1.073507e+03
##	37501	37502	37503	37504	37505
##	1.192244e+02	1.447208e+03	-9.612371e+02	4.873942e+02	-2.102536e+02
##	37506	37507	37508	37509	37510
##	2.790960e+01	1.357396e+02	1.134779e+03	1.800979e+03	1.808191e+03
##	37511	37512	37513	37514	37515
##	1.898283e+03	1.334719e+03	1.625829e+03	1.690496e+03	1.262527e+03
##	37516	37517	37518	37519	37520
##	1.425177e+03	1.554032e+03	1.488589e+03	1.536976e+03	1.497876e+03
##	37521	37522	37523	37524	37525
##	1.667497e+03	1.235351e+03	1.037722e+03	1.724009e+03	1.860060e+03
##	37526	37527	37528	37529	37530
##	1.462074e+03	1.753707e+03	1.785404e+03	1.782961e+03	4.575585e+02
##	37531	37532	37533	37534	37535
##	7.293285e+02	1.197624e+03	1.246184e+03	9.076943e+02	1.970998e+03
##	37536	37537	37538	37539	37540
##	1.881643e+03	1.978879e+03	1.945928e+03	1.875717e+03	1.826963e+03
##	37541	37542	37543	37544	37545
##	1.860172e+03	1.827008e+03	1.849831e+03	1.822622e+03	3.153255e+02
##	37546	37547	37548	37549	37550

##	1.402497e+03	1.784051e+03	-6.278896e+02	1.390792e+03	1.417272e+03
##	37551	37552	37553	37554	37555
##	1.397578e+03	1.269425e+03	1.276732e+03	1.673779e+03	1.417776e+03
##	37556	37557	37558	37559	37560
##	1.487385e+03	1.477302e+03	1.362568e+03	1.464202e+03	1.300800e+03
##	37561	37562	37563	37564	37565
##	1.357978e+03	1.444180e+03	1.441430e+03	1.072430e+03	1.417140e+03
##	37566	37567	37568	37569	37570
##	1.390189e+03	1.154858e+03	1.395286e+03	1.539850e+03	1.038455e+03
##	37571	37572	37573	37574	37575
##	1.187696e+03	-9.089804e+02	1.494474e+03	1.936451e+03	1.693548e+03
##	37576	37577	37578	37579	37580
##	8.623160e+02	1.777230e+03	1.386150e+03	1.347145e+03	1.447387e+03
##	37581	37582	37583	37584	37585
##	1.360876e+03	1.252306e+03	1.404536e+03	1.414877e+03	1.307771e+03
##	37586	37587	37588	37589	37590
##	1.347880e+03	1.384584e+03	6.486158e+02	5.838531e+02	6.969193e+02
##	37591	37592	37593	37594	37595
##	7.272893e+02	7.522742e+02	8.235799e+02	7.644506e+02	7.088864e+02
##	37596	37597	37598	37599	37600
##	6.633357e+02	7.603625e+02	8.681560e+02	7.168887e+02	6.673051e+02
##	37601	37602	37603	37604	37605
##	6.116730e+02	6.952233e+02	7.331521e+02	1.009408e+03	8.861930e+02
##	37606	37607	37608	37609	37610
##	1.049862e+03	8.860699e+02	8.269225e+02	8.307187e+02	7.837892e+02
##	37611	37612	37613	37614	37615
##	7.927370e+02	8.178069e+02	8.721592e+02	8.823379e+02	8.106722e+02
##	37616	37617	37618	37619	37620
##	7.891764e+02	9.021849e+02	8.231941e+02	8.401611e+02	8.492593e+02
##	37621	37622	37623	37624	37625
##	9.795825e+02	8.861780e+02	8.491030e+02	1.364563e+03	5.572829e+02
##	37626	37627	37628	37629	37630
##	5.139913e+02	5.288164e+02	8.474714e+02	9.164621e+02	8.650695e+02
##	37631	37632	37633	37634	37635
##	7.978521e+02	7.338380e+02	7.917962e+02	7.257985e+02	7.432459e+02
##	37636	37637	37638	37639	37640
##	8.599008e+02	7.795779e+02	7.627096e+02	8.973395e+02	1.088453e+03
##	37641	37642	37643	37644	37645
##	8.280355e+02	9.213738e+02	3.607166e+02	1.213923e+03	1.063210e+03
##	37646	37647	37648	37649	37650
##	5.794667e+02	5.678892e+02	1.264692e+03	1.201300e+03	1.733718e+03
##	37651	37652	37653	37654	37655
##	-7.048991e+02	-1.201788e+03	2.042909e+03	1.597008e+03	7.204427e+02
##	37656	37657	37658	37659	37660
##	4.514086e+02	7.739131e+02	6.567752e+02	6.405913e+02	6.309330e+02
##	37661	37662	37663	37664	37665
##	6.354680e+02	6.353158e+02	6.993994e+02	6.053373e+02	6.454697e+02
##	37666	37667	37668	37669	37670
##	7.775042e+02	7.123139e+02	7.132653e+02	6.669373e+02	6.463163e+02
##	37671	37672	37673	37674	37675
##	6.342958e+02	8.302784e+02	6.381147e+02	6.015567e+02	7.742619e+02
##	37676	37677	37678	37679	37680
##	-1.718823e+03	-1.771692e+03	-1.809941e+03	6.022523e+02	5.473593e+02
##	37681	37682	37683	37684	37685

##	5.815198e+02	1.338166e+03	1.619589e+03	1.579852e+03	1.002670e+03
##	37686	37687	37688	37689	37690
##	1.028835e+03	9.289354e+02	7.963072e+02	1.104770e+03	9.775038e+02
##	37691	37692	37693	37694	37695
##	5.703518e+02	1.933103e+03	1.629977e+03	1.613681e+03	-1.386183e+02
##	37696	37697	37698	37699	37700
##	-1.039864e+02	-2.216989e+02	-1.258611e+02	3.978812e+02	8.069191e+02
##	37701	37702	37703	37704	37705
##	2.309073e+02	3.238402e+02	-9.299552e+02	1.514080e+03	1.596549e+03
##	37706	37707	37708	37709	37710
##	2.001400e+03	1.538260e+03	1.615279e+03	1.742220e+03	1.390026e+03
##	37711	37712	37713	37714	37715
##	7.448572e+02	6.764628e+02	6.888433e+02	6.133629e+02	8.280064e+02
##	37716	37717	37718	37719	37720
##	7.452311e+02	6.668063e+02	8.736920e+02	1.110387e+03	1.253842e+03
##	37721	37722	37723	37724	37725
##	1.285579e+03	1.242242e+03	1.281928e+03	1.154561e+03	1.144220e+03
##	37726	37727	37728	37729	37730
##	1.278064e+03	1.180249e+03	1.126334e+03	1.222580e+03	1.693770e+03
##	37731	37732	37733	37734	37735
##	-1.306312e+01	-1.491702e+02	-3.078501e+01	-9.250340e+02	3.391868e+02
##	37736	37737	37738	37739	37740
##	1.030805e+02	2.026892e+03	1.698312e+03	1.736729e+03	8.041972e+02
##	37741	37742	37743	37744	37745
##	1.656784e+03	1.532001e+03	1.514306e+03	5.162586e+02	5.162586e+02
##	37746	37747	37748	37749	37750
##	7.169776e+02	1.217939e+03	1.417748e+03	1.212433e+03	1.700131e+03
##	37751	37752	37753	37754	37755
##	1.432171e+03	1.369561e+03	1.261249e+03	1.304817e+03	1.331442e+03
##	37756	37757	37758	37759	37760
##	1.218168e+03	1.201626e+03	1.264282e+03	1.142305e+03	8.198575e+02
##	37761	37762	37763	37764	37765
##	1.809708e+03	-4.604536e+02	1.894632e+03	1.317015e+03	1.386355e+03
##	37766	37767	37768	37769	37770
##	1.346568e+03	1.206873e+03	1.242905e+03	1.287098e+03	1.200034e+03
##	37771	37772	37773	37774	37775
##	1.373047e+03	1.320261e+03	1.344321e+03	1.320976e+03	1.334187e+03
##	37776	37777	37778	37779	37780
##	1.343799e+03	1.130015e+03	1.262441e+03	1.367042e+03	1.706972e+03
##	37781	37782	37783	37784	37785
##	1.355977e+03	1.321512e+03	1.372962e+03	1.463934e+03	3.595740e+02
##	37786	37787	37788	37789	37790
##	-3.551804e+02	1.464457e+03	6.639754e+01	1.565661e+03	1.331917e+03
##	37791	37792	37793	37794	37795
##	1.422355e+03	1.527392e+03	1.461586e+03	1.494587e+03	1.468939e+03
##	37796	37797	37798	37799	37800
##	1.078850e+02	1.362461e+03	1.858032e+03	1.694538e+03	-6.438408e+01
##	37801	37802	37803	37804	37805
##	3.062884e+02	2.579360e+02	1.137896e+03	-8.762274e+02	1.679149e+03
##	37806	37807	37808	37809	37810
##	2.032604e+03	1.588647e+03	1.759792e+03	1.773531e+03	1.776402e+03
##	37811	37812	37813	37814	37815
##	1.745698e+03	1.748620e+03	1.165735e+03	-1.922043e+03	2.181525e+02
##	37816	37817	37818	37819	37820

##	1.533461e+03	1.598306e+03	1.743230e+03	1.551224e+00	1.353642e+03
##	37821	37822	37823	37824	37825
##	-1.477424e+03	1.697584e+03	9.413324e+02	1.096864e+03	9.835400e+02
##	37826	37827	37828	37829	37830
##	9.887594e+02	1.101207e+03	1.146898e+03	1.054208e+03	9.517241e+02
##	37831	37832	37833	37834	37835
##	9.610715e+02	1.002425e+03	9.867198e+02	1.026406e+03	1.026502e+03
##	37836	37837	37838	37839	37840
##	1.023625e+03	8.894778e+02	9.883768e+02	1.014851e+03	9.486404e+02
##	37841	37842	37843	37844	37845
##	9.353779e+02	9.686831e+02	9.325579e+02	9.722436e+02	9.957355e+02
##	37846	37847	37848	37849	37850
##	9.385124e+02	9.598632e+02	9.180912e+02	1.045624e+03	9.534600e+02
##	37851	37852	37853	37854	37855
##	1.008302e+03	5.177500e+02	1.531332e+03	1.777385e+03	1.830361e+03
##	37856	37857	37858	37859	37860
##	1.577379e+03	1.466290e+03	1.557200e+03	1.511948e+03	1.499977e+03
##	37861	37862	37863	37864	37865
##	1.618372e+03	1.475078e+03	1.531093e+03	1.058195e+03	1.299127e+03
##	37866	37867	37868	37869	37870
##	1.502326e+03	1.190216e+02	1.649875e+03	1.635926e+03	1.381998e+03
##	37871	37872	37873	37874	37875
##	1.577235e+03	1.562303e+03	1.730840e+03	1.546875e+03	-6.437627e+02
##	37876	37877	37878	37879	37880
##	1.741855e+03	2.106883e+02	1.592474e+03	1.234655e+03	1.571635e+03
##	37881	37882	37883	37884	37885
##	1.119178e+03	1.598273e+03	1.630793e+02	1.243983e+03	1.147157e+03
##	37886	37887	37888	37889	37890
##	2.008025e+03	3.880004e+01	1.071096e+03	1.352079e+03	1.793132e+03
##	37891	37892	37893	37894	37895
##	1.448319e+03	9.253243e+02	1.581251e+03	1.657310e+03	1.633272e+03
##	37896	37897	37898	37899	37900
##	1.606792e+03	1.795183e+03	1.631070e+03	1.561107e+03	1.765215e+03
##	37901	37902	37903	37904	37905
##	1.558968e+03	1.621464e+03	1.639895e+03	1.448710e+03	1.780618e+03
##	37906	37907	37908	37909	37910
##	1.556193e+03	1.686763e+03	1.612117e+03	1.676691e+03	1.614202e+03
##	37911	37912	37913	37914	37915
##	1.125742e+03	1.681650e+03	1.567650e+03	1.408142e+03	1.559748e+03
##	37916	37917	37918	37919	37920
##	1.609084e+03	1.589093e+03	1.455399e+03	1.633211e+03	1.594367e+03
##	37921	37922	37923	37924	37925
##	7.526641e+02	7.706029e+02	7.646166e+02	9.526251e+02	9.734684e+02
##	37926	37927	37928	37929	37930
##	-4.770753e+02	4.672769e+02	-2.123447e+03	-1.897774e+03	-1.909234e+03
##	37931	37932	37933	37934	37935
##	3.728388e+02	1.460662e+02	2.158601e+02	6.575564e+02	6.070475e+02
##	37936	37937	37938	37939	37940
##	6.398061e+02	6.435588e+02	-1.334204e+02	-1.111289e+02	-3.072087e+02
##	37941	37942	37943	37944	37945
##	-4.250968e+02	2.095878e+02	2.275118e+02	-9.655141e+01	-1.166096e+03
##	37946	37947	37948	37949	37950
##	-9.567457e+02	-8.501712e+01	3.051787e+02	3.632276e+02	3.102512e+02
##	37951	37952	37953	37954	37955

##	1.554404e+03	1.684420e+03	1.607730e+03	1.512765e+03	1.797436e+03
##	37956	37957	37958	37959	37960
##	1.758267e+03	1.556147e+03	1.595198e+03	1.687600e+03	1.806306e+03
##	37961	37962	37963	37964	37965
##	1.602607e+03	1.549035e+03	1.446153e+03	1.587728e+03	1.489018e+03
##	37966	37967	37968	37969	37970
##	1.640732e+03	1.518403e+03	1.826000e+03	1.807827e+03	1.598900e+03
##	37971	37972	37973	37974	37975
##	1.508078e+03	1.684678e+03	1.561972e+03	1.305080e+03	6.376362e+02
##	37976	37977	37978	37979	37980
##	5.476443e+02	9.476268e+02	1.710970e+03	-1.775146e+02	-1.563421e+02
##	37981	37982	37983	37984	37985
##	6.343254e+02	1.293333e+03	1.253354e+03	1.754632e+03	1.656794e+03
##	37986	37987	37988	37989	37990
##	1.720282e+03	1.744016e+03	1.743220e+03	2.101608e+02	1.318768e+03
##	37991	37992	37993	37994	37995
##	1.154794e+03	1.333492e+03	1.323988e+03	1.344457e+03	1.402633e+03
##	37996	37997	37998	37999	38000
##	1.390939e+03	1.544578e+03	1.544578e+03	1.510847e+03	1.530013e+03
##	38001	38002	38003	38004	38005
##	1.435642e+03	1.392299e+03	1.368649e+03	1.501971e+03	1.354033e+03
##	38006	38007	38008	38009	38010
##	1.557200e+03	1.179005e+03	1.787844e+03	-2.651214e+01	1.992726e+03
##	38011	38012	38013	38014	38015
##	1.501795e+03	1.803942e+03	1.486812e+03	-9.936961e+01	7.249825e+00
##	38016	38017	38018	38019	38020
##	4.979621e+02	6.707918e+02	7.550273e+02	8.174298e+02	7.602013e+02
##	38021	38022	38023	38024	38025
##	7.477517e+02	7.203956e+02	8.380554e+02	7.963319e+02	2.999843e+02
##	38026	38027	38028	38029	38030
##	9.459320e+02	1.756327e+03	2.154945e+03	1.934981e+03	1.746015e+03
##	38031	38032	38033	38034	38035
##	1.776464e+03	1.771631e+03	1.785903e+03	1.454243e+03	1.414603e+03
##	38036	38037	38038	38039	38040
##	1.025502e+03	1.211201e+03	9.140200e+02	1.344108e+03	1.339219e+03
##	38041	38042	38043	38044	38045
##	8.376885e+02	1.046442e+03	2.205647e-01	1.983677e+02	1.117322e+03
##	38046	38047	38048	38049	38050
##	1.328533e+03	9.994933e+02	-5.169747e+02	1.093165e+03	3.023288e+02
##	38051	38052	38053	38054	38055
##	1.248123e+03	1.271564e+03	1.824580e+03	9.591911e+02	1.881569e+03
##	38056	38057	38058	38059	38060
##	1.567565e+03	1.116300e+03	5.479928e+02	2.026019e+03	1.886996e+03
##	38061	38062	38063	38064	38065
##	1.348616e+03	1.392156e+03	1.686579e+03	1.409281e+03	1.227658e+03
##	38066	38067	38068	38069	38070
##	1.105868e+03	1.239763e+03	1.145442e+03	1.451768e+03	1.540871e+03
##	38071	38072	38073	38074	38075
##	1.169877e+03	1.118086e+03	1.259357e+03	1.116097e+03	1.222063e+03
##	38076	38077	38078	38079	38080
##	1.142065e+03	1.162169e+03	1.229680e+03	1.252239e+03	1.490628e+03
##	38081	38082	38083	38084	38085
##	1.153440e+03	1.206388e+03	9.750454e+02	1.217361e+03	1.173292e+03
##	38086	38087	38088	38089	38090

##	1.231765e+03	1.559351e+03	1.305973e+03	1.249419e+03	1.241802e+03
##	38091	38092	38093	38094	38095
##	9.910825e+02	9.546202e+02	9.684219e+02	1.003489e+03	1.199102e+03
##	38096	38097	38098	38099	38100
##	1.239999e+03	8.992782e+02	9.699221e+02	8.586480e+02	8.741068e+02
##	38101	38102	38103	38104	38105
##	9.852241e+02	9.815221e+02	1.000575e+03	8.329490e+02	8.063735e+02
##	38106	38107	38108	38109	38110
##	8.459078e+02	8.610348e+02	8.733699e+02	9.935254e+02	8.328529e+02
##	38111	38112	38113	38114	38115
##	9.680447e+02	9.619281e+02	7.808716e+02	8.849392e+02	9.002412e+02
##	38116	38117	38118	38119	38120
##	7.203237e+02	9.130757e+02	9.224232e+02	1.059132e+03	8.917241e+02
##	38121	38122	38123	38124	38125
##	9.409703e+02	9.176253e+02	9.542780e+02	1.039392e+03	1.046746e+03
##	38126	38127	38128	38129	38130
##	1.056306e+03	1.050306e+03	1.026658e+03	1.058990e+03	9.663267e+02
##	38131	38132	38133	38134	38135
##	8.453193e+02	9.000708e+02	8.121102e+02	8.862862e+02	1.004048e+03
##	38136	38137	38138	38139	38140
##	8.886617e+02	9.406838e+02	9.009473e+02	8.443479e+02	8.776023e+02
##	38141	38142	38143	38144	38145
##	1.088003e+03	8.960204e+02	9.501989e+02	9.683676e+02	8.887798e+02
##	38146	38147	38148	38149	38150
##	8.535092e+02	8.534131e+02	8.672484e+02	9.200675e+02	-6.046830e+02
##	38151	38152	38153	38154	38155
##	1.169989e+03	2.790443e+02	-6.686351e+02	-2.148092e+03	8.703823e+02
##	38156	38157	38158	38159	38160
##	1.577883e+03	1.626871e+03	-5.825536e+02	1.695749e+03	1.591467e+03
##	38161	38162	38163	38164	38165
##	1.619462e+03	1.602689e+03	1.579086e+03	1.608335e+03	1.736097e+03
##	38166	38167	38168	38169	38170
##	1.702315e+03	1.609166e+03	1.693233e+03	1.682318e+03	1.503564e+03
##	38171	38172	38173	38174	38175
##	1.646496e+03	1.506434e+03	1.747119e+03	-3.057450e+03	1.631091e+03
##	38176	38177	38178	38179	38180
##	1.888928e+03	-2.559242e+02	1.821724e+03	9.569575e+02	9.701184e+02
##	38181	38182	38183	38184	38185
##	9.290792e+02	8.745460e+02	9.415104e+02	8.536649e+02	9.339371e+02
##	38186	38187	38188	38189	38190
##	9.568107e+02	1.000295e+03	8.537156e+02	8.916388e+02	8.014972e+02
##	38191	38192	38193	38194	38195
##	8.716415e+02	9.189495e+02	7.856223e+02	7.513561e+02	5.842216e+02
##	38196	38197	38198	38199	38200
##	5.311876e+02	3.231867e+02	8.294941e+02	2.156734e+02	3.446088e+02
##	38201	38202	38203	38204	38205
##	1.406639e+03	-3.213530e+02	-2.099510e+02	5.722778e+02	7.141997e+02
##	38206	38207	38208	38209	38210
##	6.773901e+02	6.736373e+02	8.106612e+02	7.098694e+02	8.394331e+02
##	38211	38212	38213	38214	38215
##	8.182327e+02	7.310680e+02	6.332147e+02	7.250681e+02	6.957233e+02
##	38216	38217	38218	38219	38220
##	8.051954e+02	8.426527e+02	8.633870e+02	7.317294e+02	8.663575e+02
##	38221	38222	38223	38224	38225

##	7.400455e+02	1.816547e+03	1.841309e+03	1.869200e+03	1.797810e+03
##	38226	38227	38228	38229	38230
##	1.168955e+03	1.241168e+03	1.301490e+03	1.261277e+03	1.282324e+03
##	38231	38232	38233	38234	38235
##	1.505416e+03	3.029420e+02	6.733505e+02	7.329729e+02	1.215992e+03
##	38236	38237	38238	38239	38240
##	1.212386e+03	1.706610e+03	1.731635e+03	1.374648e+03	1.715142e+03
##	38241	38242	38243	38244	38245
##	2.140290e+03	1.887157e+03	1.902244e+03	1.839752e+03	1.810548e+03
##	38246	38247	38248	38249	38250
##	1.824715e+03	1.771980e+03	1.856143e+03	1.839802e+03	1.498207e+03
##	38251	38252	38253	38254	38255
##	-2.092731e+03	-1.683374e+03	-1.681749e+03	-1.667033e+03	-1.654489e+03
##	38256	38257	38258	38259	38260
##	2.169329e+02	-4.905762e+02	-1.407598e+03	-1.217017e+03	-1.263758e+03
##	38261	38262	38263	38264	38265
##	-1.286167e+03	-2.469698e+02	2.802032e+02	-2.372212e+03	-9.182108e+02
##	38266	38267	38268	38269	38270
##	1.248586e+02	-8.382085e+02	-2.926652e+02	-1.570656e+03	-1.558011e+03
##	38271	38272	38273	38274	38275
##	2.391570e+02	-2.001066e+03	-9.459655e+02	-6.433639e+01	-3.549327e+01
##	38276	38277	38278	38279	38280
##	4.143534e+01	1.528695e+02	1.612444e+02	1.656589e+02	2.257192e+02
##	38281	38282	38283	38284	38285
##	2.753062e+02	2.568110e+02	2.917560e+02	3.301901e+02	5.602063e+02
##	38286	38287	38288	38289	38290
##	5.901412e+02	6.120196e+02	5.605834e+02	6.723623e+02	7.036507e+02
##	38291	38292	38293	38294	38295
##	6.616127e+02	7.482522e+02	8.550970e+02	6.992528e+02	-2.662571e+02
##	38296	38297	38298	38299	38300
##	-2.634317e+02	-2.855701e+02	5.155616e+02	8.146168e+02	6.612240e+02
##	38301	38302	38303	38304	38305
##	-7.882453e+02	-5.407549e+02	7.957089e+02	-7.737799e+02	-6.306068e+02
##	38306	38307	38308	38309	38310
##	-1.092990e+03	-6.566701e+02	-1.064527e+03	-1.527924e+03	-1.672386e+03
##	38311	38312	38313	38314	38315
##	2.911448e+02	2.859254e+02	1.029887e+03	1.228391e+03	6.055067e+02
##	38316	38317	38318	38319	38320
##	1.848718e+03	-7.831526e+02	1.868052e+03	3.609453e+02	-1.969069e+03
##	38321	38322	38323	38324	38325
##	2.031180e+02	2.753284e+02	2.973653e+02	1.318532e+03	-2.861324e+01
##	38326	38327	38328	38329	38330
##	-3.796073e+01	3.789937e+02	1.394426e+03	1.352454e+03	1.474698e+03
##	38331	38332	38333	38334	38335
##	1.443837e+03	1.454796e+03	1.438096e+03	1.448320e+03	1.322519e+03
##	38336	38337	38338	38339	38340
##	1.471923e+03	-8.253673e+02	1.544867e+03	1.421837e+03	1.522348e+03
##	38341	38342	38343	38344	38345
##	1.497495e+03	1.326730e+03	1.470438e+03	1.431223e+03	1.493048e+03
##	38346	38347	38348	38349	38350
##	1.509091e+03	1.555304e+03	1.101634e+03	-2.658563e+03	4.025847e+02
##	38351	38352	38353	38354	38355
##	9.848645e+02	-1.653976e+02	9.654063e+02	1.725769e+03	1.412671e+03
##	38356	38357	38358	38359	38360

##	1.432668e+03	1.677714e+03	1.477460e+03	1.419147e+03	1.425928e+03
##	38361	38362	38363	38364	38365
##	1.489891e+03	1.422849e+03	1.711400e+03	6.438872e+02	1.209143e+03
##	38366	38367	38368	38369	38370
##	-1.104533e+03	9.184997e+02	2.385151e+02	-2.079209e+02	-2.467670e+01
##	38371	38372	38373	38374	38375
##	-1.691325e+02	-3.672567e+02	1.957908e+03	-7.321571e+02	7.664644e+02
##	38376	38377	38378	38379	38380
##	-5.205880e+02	6.702821e+02	9.278982e+02	1.399103e+03	1.422184e+03
##	38381	38382	38383	38384	38385
##	1.286912e+03	1.260438e+03	1.417363e+03	1.421491e+03	1.428323e+03
##	38386	38387	38388	38389	38390
##	1.293698e+03	1.398309e+03	1.422368e+03	1.404881e+03	1.391619e+03
##	38391	38392	38393	38394	38395
##	1.391619e+03	1.268643e+03	1.219392e+03	1.415846e+03	1.398932e+03
##	38396	38397	38398	38399	38400
##	1.450415e+03	1.066460e+03	1.288499e+03	1.303851e+03	7.881017e+02
##	38401	38402	38403	38404	38405
##	7.476790e+02	8.680421e+02	7.567172e+02	8.779171e+02	8.810462e+02
##	38406	38407	38408	38409	38410
##	7.375003e+02	8.775400e+02	7.618841e+02	1.337062e+03	1.225984e+03
##	38411	38412	38413	38414	38415
##	1.175907e+03	1.311370e+03	1.198140e+03	1.457604e+03	1.239253e+03
##	38416	38417	38418	38419	38420
##	1.969671e+03	1.370781e+03	1.198131e+03	1.513945e+03	1.587915e+03
##	38421	38422	38423	38424	38425
##	1.577326e+03	1.589910e+03	1.460149e+03	1.199195e+03	1.645308e+02
##	38426	38427	38428	38429	38430
##	1.590146e+02	2.017764e+03	1.118871e+03	1.451574e+03	1.043759e+03
##	38431	38432	38433	38434	38435
##	9.399462e+02	1.014364e+03	9.090332e+02	1.009404e+03	1.052534e+03
##	38436	38437	38438	38439	38440
##	9.928436e+02	9.430023e+02	9.420225e+02	9.091343e+02	1.852456e+03
##	38441	38442	38443	38444	38445
##	1.803658e+03	1.435112e+03	6.610729e+02	1.290951e+03	1.828833e+03
##	38446	38447	38448	38449	38450
##	1.414933e+03	1.722118e+03	5.323652e+02	1.213385e+03	1.802536e+03
##	38451	38452	38453	38454	38455
##	1.341018e+03	1.464247e+03	1.285439e+03	1.181844e+03	-1.427121e+02
##	38456	38457	38458	38459	38460
##	3.387834e+01	1.834137e+03	1.831890e+03	1.631630e+03	1.446023e+03
##	38461	38462	38463	38464	38465
##	1.849569e+03	1.597104e+03	1.721146e+03	1.793626e+03	1.623799e+03
##	38466	38467	38468	38469	38470
##	1.734067e+03	1.623220e+03	1.567180e+03	1.644531e+03	-9.212196e+02
##	38471	38472	38473	38474	38475
##	1.085358e+03	-6.123206e+01	1.108961e+03	1.042379e+03	1.668129e+03
##	38476	38477	38478	38479	38480
##	1.660039e+03	1.695759e+03	1.830578e+03	1.868961e+03	1.773589e+03
##	38481	38482	38483	38484	38485
##	1.522229e+03	1.670802e+03	1.689125e+03	1.591934e+03	1.883477e+03
##	38486	38487	38488	38489	38490
##	1.644277e+03	1.703219e+03	1.528892e+03	1.850428e+03	1.706936e+03
##	38491	38492	38493	38494	38495

##	1.674606e+03	1.684065e+03	1.578195e+03	1.617036e+03	1.842907e+03
##	38496	38497	38498	38499	38500
##	1.677486e+03	1.631273e+03	1.848227e+03	1.850266e+03	2.060995e+03
##	38501	38502	38503	38504	38505
##	3.770798e+02	1.776252e+03	-8.053299e+01	9.765766e+02	1.443684e+03
##	38506	38507	38508	38509	38510
##	-5.836130e+02	3.085717e+02	-5.836130e+02	1.393561e+02	2.653641e+01
##	38511	38512	38513	38514	38515
##	7.707082e+02	7.364882e+02	8.600858e+02	1.580095e+03	1.740967e+03
##	38516	38517	38518	38519	38520
##	1.929034e+03	1.843727e+03	8.578791e+01	1.069985e+03	1.135175e+03
##	38521	38522	38523	38524	38525
##	1.134698e+03	1.074755e+03	1.164003e+03	1.128749e+03	1.144640e+03
##	38526	38527	38528	38529	38530
##	1.121391e+03	1.172872e+03	1.072328e+03	1.168344e+03	1.158262e+03
##	38531	38532	38533	38534	38535
##	1.160823e+03	1.050930e+03	9.206882e+02	8.818814e+02	1.072126e+03
##	38536	38537	38538	38539	38540
##	1.048730e+03	1.074900e+03	9.072237e+02	1.043043e+03	1.067210e+03
##	38541	38542	38543	38544	38545
##	1.076770e+03	9.096158e+02	1.059598e+03	1.072283e+03	1.011604e+03
##	38546	38547	38548	38549	38550
##	1.037814e+03	9.806874e+02	1.086853e+03	1.155178e+03	2.272579e+02
##	38551	38552	38553	38554	38555
##	7.192802e+02	6.031847e+01	-5.805334e+00	1.904006e+03	1.903910e+03
##	38556	38557	38558	38559	38560
##	1.598409e+03	1.540074e+03	1.568446e+03	3.030379e+01	6.087970e+02
##	38561	38562	38563	38564	38565
##	-7.815486e+02	1.474919e+03	-1.358132e+02	6.385948e+02	6.540082e+02
##	38566	38567	38568	38569	38570
##	1.988722e+03	7.712545e+02	1.001813e+03	1.380223e+03	6.959120e+02
##	38571	38572	38573	38574	38575
##	6.545131e+02	6.461379e+02	6.664953e+02	6.664953e+02	5.961567e+02
##	38576	38577	38578	38579	38580
##	6.921836e+02	8.022177e+02	8.217879e+02	9.471341e+02	9.706259e+02
##	38581	38582	38583	38584	38585
##	9.715250e+02	1.627162e+03	1.240187e+03	7.905209e+02	5.884173e+01
##	38586	38587	38588	38589	38590
##	1.980045e+03	1.866252e+03	1.107169e+03	2.687675e+02	4.583372e+02
##	38591	38592	38593	38594	38595
##	-3.735363e+02	1.963958e+03	5.669579e+01	1.130115e+03	5.624330e+02
##	38596	38597	38598	38599	38600
##	-2.227878e+03	1.174463e+02	1.188840e+03	2.104235e+02	4.551765e+02
##	38601	38602	38603	38604	38605
##	1.832173e+03	1.234295e+03	1.145686e+03	1.310713e+03	3.566635e+02
##	38606	38607	38608	38609	38610
##	1.531543e+03	1.835422e+03	1.850516e+03	1.336623e+03	1.149504e+03
##	38611	38612	38613	38614	38615
##	-1.732643e+03	-1.698906e+03	-1.695204e+03	6.983542e+02	-1.402486e+02
##	38616	38617	38618	38619	38620
##	-1.508380e+02	-4.838348e+02	-4.797727e+02	-1.108809e+02	-4.619565e+02
##	38621	38622	38623	38624	38625
##	-3.939255e+02	-1.209635e+02	-5.845531e+02	-4.269495e+02	-1.798662e+02
##	38626	38627	38628	38629	38630

##	-8.879857e+01	-4.041042e+02	-4.519345e+02	-9.709090e+01	-2.101791e+02
##	38631	38632	38633	38634	38635
##	-4.071143e+02	-7.313323e+01	-2.555275e+02	-2.917370e+02	-2.518709e+02
##	38636	38637	38638	38639	38640
##	-3.904871e+02	-2.917370e+02	-2.958487e+02	-9.083277e+01	-3.279790e+02
##	38641	38642	38643	38644	38645
##	1.585554e+03	8.182180e+02	1.376341e+03	1.385806e+03	1.425284e+03
##	38646	38647	38648	38649	38650
##	1.388154e+03	6.858105e+02	4.955075e+02	9.084529e+02	9.817944e+02
##	38651	38652	38653	38654	38655
##	7.800703e+02	9.122385e+02	1.011468e+03	9.951214e+02	9.075413e+02
##	38656	38657	38658	38659	38660
##	1.014810e+03	9.893345e+02	9.357627e+02	8.818024e+02	1.018679e+03
##	38661	38662	38663	38664	38665
##	8.761062e+02	8.831051e+02	9.834761e+02	1.006299e+03	8.633152e+02
##	38666	38667	38668	38669	38670
##	1.254181e+03	1.127476e+03	1.109900e+03	1.186055e+03	-9.421484e+02
##	38671	38672	38673	38674	38675
##	-1.117455e+03	7.932873e+02	9.031680e+02	7.943822e+02	-5.287841e+02
##	38676	38677	38678	38679	38680
##	2.128225e+02	1.503752e+03	1.484586e+03	1.472109e+03	1.497062e+03
##	38681	38682	38683	38684	38685
##	1.275153e+03	1.271547e+03	1.275412e+03	1.232024e+03	1.276770e+03
##	38686	38687	38688	38689	38690
##	1.287012e+03	1.285586e+03	1.014142e+03	1.050962e+03	1.008188e+03
##	38691	38692	38693	38694	38695
##	1.301839e+03	1.294486e+03	1.022230e+03	9.658880e+02	9.677197e+02
##	38696	38697	38698	38699	38700
##	9.849988e+02	1.099990e+03	9.924635e+02	9.506875e+02	9.131981e+02
##	38701	38702	38703	38704	38705
##	1.055967e+03	9.057770e+02	1.078055e+03	1.015658e+03	9.285998e+02
##	38706	38707	38708	38709	38710
##	8.963787e+02	1.019264e+03	1.689474e+03	9.982105e+02	1.231632e+03
##	38711	38712	38713	38714	38715
##	9.217953e+02	7.810102e+01	1.886336e+03	1.853237e+03	3.688213e+02
##	38716	38717	38718	38719	38720
##	-4.736653e+02	1.808927e+03	1.017671e+03	1.851448e+03	9.314263e+02
##	38721	38722	38723	38724	38725
##	1.300901e+03	1.306181e+03	1.271276e+03	1.178482e+03	1.349367e+03
##	38726	38727	38728	38729	38730
##	1.748287e+03	1.749326e+03	1.736687e+03	1.788850e+03	1.749326e+03
##	38731	38732	38733	38734	38735
##	1.752719e+03	1.763015e+03	1.752770e+03	1.763111e+03	1.680488e+03
##	38736	38737	38738	38739	38740
##	1.770103e+03	1.489390e+03	1.395579e+03	1.326598e+03	-5.657009e+02
##	38741	38742	38743	38744	38745
##	1.409461e+03	1.626868e+03	1.567795e+03	1.660121e+03	1.661505e+03
##	38746	38747	38748	38749	38750
##	1.746580e+03	1.752226e+03	1.754623e+03	1.605183e+03	1.766061e+03
##	38751	38752	38753	38754	38755
##	1.712081e+03	1.622611e+03	1.672861e+03	1.999880e+03	1.211163e+03
##	38756	38757	38758	38759	38760
##	8.633464e+01	-1.904146e+02	2.800513e+01	3.109627e+02	1.037615e+03
##	38761	38762	38763	38764	38765

##	4.456750e+02	1.394407e+03	1.727233e+03	1.644660e+03	1.651446e+03
##	38766	38767	38768	38769	38770
##	1.183708e+03	1.314794e+03	1.658754e+03	1.707169e+03	1.283667e+03
##	38771	38772	38773	38774	38775
##	1.342627e+03	1.236560e+03	1.353013e+03	1.183180e+03	1.310457e+03
##	38776	38777	38778	38779	38780
##	1.265910e+03	1.570814e+03	1.681313e+03	1.340633e+03	1.200576e+03
##	38781	38782	38783	38784	38785
##	9.979369e+02	8.369444e+02	9.365124e+02	8.656538e+02	8.400563e+02
##	38786	38787	38788	38789	38790
##	9.801131e+02	1.197727e+03	1.001582e+03	1.041537e+03	1.123045e+03
##	38791	38792	38793	38794	38795
##	1.025803e+03	1.008890e+03	1.129522e+03	1.077613e+03	9.172890e+02
##	38796	38797	38798	38799	38800
##	1.003513e+03	1.100481e+03	1.153125e+03	1.131483e+03	1.136992e+03
##	38801	38802	38803	38804	38805
##	8.799788e+02	1.118748e+03	9.362746e+02	1.114473e+03	9.862343e+02
##	38806	38807	38808	38809	38810
##	1.031072e+03	9.584297e+02	1.027943e+03	1.050715e+03	9.041551e+02
##	38811	38812	38813	38814	38815
##	1.138082e+03	9.337466e+02	1.045442e+03	9.826059e+02	8.554762e+02
##	38816	38817	38818	38819	38820
##	9.135246e+02	9.564355e+02	2.619815e+02	-1.529338e+02	1.839974e+03
##	38821	38822	38823	38824	38825
##	3.776173e+02	-1.181299e+03	7.192129e+01	1.197422e+01	3.151039e+01
##	38826	38827	38828	38829	38830
##	1.622113e+03	1.098655e+03	9.170343e+02	1.459280e+03	1.370183e+03
##	38831	38832	38833	38834	38835
##	1.456886e+03	1.456409e+03	1.454015e+03	1.420441e+03	1.878893e+03
##	38836	38837	38838	38839	38840
##	1.803273e+03	9.553952e+01	1.602186e+03	2.347859e+02	1.768472e+03
##	38841	38842	38843	38844	38845
##	-2.734383e+03	1.965478e+02	1.561766e+03	1.308056e+03	1.292702e+03
##	38846	38847	38848	38849	38850
##	1.411802e+02	-3.569445e+02	1.063726e+03	1.056418e+03	1.636404e+03
##	38851	38852	38853	38854	38855
##	1.648313e+03	1.518659e+03	1.585017e+03	1.704984e+03	1.501368e+03
##	38856	38857	38858	38859	38860
##	1.643252e+03	1.493797e+03	1.546177e+03	1.378449e+03	1.441575e+03
##	38861	38862	38863	38864	38865
##	1.524931e+03	1.367484e+03	1.370259e+03	1.532143e+03	1.465876e+03
##	38866	38867	38868	38869	38870
##	1.369000e+03	1.412129e+03	1.412129e+03	1.363826e+03	1.396776e+03
##	38871	38872	38873	38874	38875
##	1.405607e+03	1.354169e+03	1.404090e+03	1.381267e+03	1.374790e+03
##	38876	38877	38878	38879	38880
##	1.456957e+03	1.355638e+03	1.429320e+03	1.411524e+03	1.317108e+03
##	38881	38882	38883	38884	38885
##	1.543170e+03	1.463170e+03	1.409485e+03	1.311984e+03	1.517426e+03
##	38886	38887	38888	38889	38890
##	1.437431e+03	1.327595e+03	1.305721e+03	1.285772e+03	1.261443e+03
##	38891	38892	38893	38894	38895
##	1.562159e+03	1.763796e+03	1.710741e+03	-6.574647e+02	1.800402e+03
##	38896	38897	38898	38899	38900

##	4.733331e+02	1.843361e+03	1.447366e+03	3.613045e+02	1.551139e+03
##	38901	38902	38903	38904	38905
##	1.501527e+03	1.517451e+03	1.498966e+03	1.502145e+03	1.673680e+03
##	38906	38907	38908	38909	38910
##	1.450195e+03	1.466328e+03	1.519749e+03	1.496146e+03	1.552015e+03
##	38911	38912	38913	38914	38915
##	4.760890e+01	1.565686e+03	1.362930e+03	1.561445e+03	1.659988e+03
##	38916	38917	38918	38919	38920
##	1.600350e+03	1.570174e+03	1.583385e+03	1.578217e+03	1.519885e+03
##	38921	38922	38923	38924	38925
##	1.584222e+03	1.623857e+03	4.423418e+02	4.423418e+02	1.153824e+02
##	38926	38927	38928	38929	38930
##	1.529681e+03	1.293447e+03	1.803356e+03	8.499265e+02	1.980726e+03
##	38931	38932	38933	38934	38935
##	1.493189e+03	1.504885e+03	1.580982e+03	1.603541e+03	1.495946e+03
##	38936	38937	38938	38939	38940
##	1.556995e+03	1.476893e+03	1.606463e+03	1.622708e+03	1.497004e+03
##	38941	38942	38943	38944	38945
##	-2.197175e+02	-3.124188e+02	-2.236270e+02	-2.290795e+02	-2.586227e+02
##	38946	38947	38948	38949	38950
##	-1.489042e+02	-3.901512e+02	-1.105719e+02	-5.884227e+02	-1.299963e+02
##	38951	38952	38953	38954	38955
##	-4.203996e+02	-4.121374e+02	-4.615402e+02	-5.862209e+02	-2.969546e+02
##	38956	38957	38958	38959	38960
##	-4.716736e+02	-6.050781e+02	-3.422290e+02	-4.680169e+02	-2.594540e+02
##	38961	38962	38963	38964	38965
##	-5.591232e+02	-2.356016e+02	-1.032640e+02	-2.936039e+02	1.528287e+02
##	38966	38967	38968	38969	38970
##	1.584235e+02	1.885035e+02	4.867004e+02	4.319288e+02	5.014319e+02
##	38971	38972	38973	38974	38975
##	1.451357e+03	1.444614e+03	1.294634e+03	1.521112e+03	1.596335e+03
##	38976	38977	38978	38979	38980
##	1.464574e+03	1.626364e+03	1.511493e+03	1.857615e+03	1.120589e+03
##	38981	38982	38983	38984	38985
##	1.970555e+03	1.051828e+03	1.168093e+03	5.540152e+02	1.025254e+03
##	38986	38987	38988	38989	38990
##	1.039879e+03	9.332584e+02	1.246601e+03	1.385029e+03	1.392581e+03
##	38991	38992	38993	38994	38995
##	1.080996e+03	-4.869234e+01	1.836058e+03	1.759155e+03	-8.711314e+01
##	38996	38997	38998	38999	39000
##	-1.973361e+01	-9.690794e+01	3.601445e+02	1.720764e+03	8.674512e+02
##	39001	39002	39003	39004	39005
##	1.828738e+03	1.705416e+03	1.660996e+03	1.465273e+03	1.287720e+03
##	39006	39007	39008	39009	39010
##	4.062922e+01	1.927986e+03	1.840928e+03	1.950641e+03	1.905214e+03
##	39011	39012	39013	39014	39015
##	1.944492e+03	1.351040e+03	1.630358e+03	1.980532e+03	1.937352e+03
##	39016	39017	39018	39019	39020
##	1.733729e+03	1.746668e+03	1.581463e+03	1.645545e+03	1.664875e+03
##	39021	39022	39023	39024	39025
##	1.253687e+03	1.674260e+03	1.704809e+03	1.759667e+03	1.721073e+03
##	39026	39027	39028	39029	39030
##	1.940015e+03	1.842136e+03	1.962412e+03	5.260524e+02	1.860142e+03
##	39031	39032	39033	39034	39035

##	1.478056e+03	1.362123e+02	-9.007760e+00	-2.480327e+00	-9.176021e-01
##	39036	39037	39038	39039	39040
##	1.889844e+03	1.905455e+03	1.871673e+03	1.916318e+03	1.912718e+03
##	39041	39042	39043	39044	39045
##	1.903157e+03	2.048332e+03	1.855635e+03	1.839827e+03	1.563087e+03
##	39046	39047	39048	39049	39050
##	3.783387e+02	1.964344e+03	1.940858e+03	2.084739e+03	2.040811e+03
##	39051	39052	39053	39054	39055
##	9.512422e+01	5.072927e+02	5.183533e+02	5.101635e+02	1.315649e+03
##	39056	39057	39058	39059	39060
##	1.491107e+03	1.600791e+03	9.289196e+02	9.289196e+02	9.061318e+02
##	39061	39062	39063	39064	39065
##	-2.354096e+03	-1.777250e+01	4.925218e+02	1.601782e+03	1.779036e+03
##	39066	39067	39068	39069	39070
##	1.776373e+03	1.732823e+03	1.808802e+03	1.759235e+03	5.779295e+02
##	39071	39072	39073	39074	39075
##	1.732658e+03	1.231948e+03	-3.891214e+02	-3.964547e+02	-6.360381e-03
##	39076	39077	39078	39079	39080
##	1.084603e+03	1.165682e+03	-6.122890e+02	6.380648e+02	1.513908e+03
##	39081	39082	39083	39084	39085
##	1.981837e+03	1.559280e+03	1.630473e+03	1.731624e+03	1.696418e+03
##	39086	39087	39088	39089	39090
##	8.738164e+02	1.178776e+03	-5.040422e+02	1.301071e+03	1.730970e+03
##	39091	39092	39093	39094	39095
##	1.669928e+03	1.444831e+03	6.797121e+02	1.266022e+02	-2.711860e+01
##	39096	39097	39098	39099	39100
##	6.265946e+02	7.562652e+02	6.148985e+02	4.456162e+02	6.087352e+02
##	39101	39102	39103	39104	39105
##	5.456537e+02	7.473438e+02	7.567420e+02	6.053435e+02	8.528624e+02
##	39106	39107	39108	39109	39110
##	7.474004e+02	8.343806e+02	7.997940e+02	6.642892e+02	8.770386e+02
##	39111	39112	39113	39114	39115
##	1.104616e+03	9.640318e+02	9.662164e+02	1.053173e+03	9.589139e+02
##	39116	39117	39118	39119	39120
##	1.042315e+03	9.255472e+02	1.067732e+03	9.552518e+02	1.017862e+03
##	39121	39122	39123	39124	39125
##	1.001414e+03	9.978645e+02	9.367247e+02	1.027434e+03	1.103306e+03
##	39126	39127	39128	39129	39130
##	9.860670e+02	1.088640e+03	9.573404e+02	1.077253e+03	9.367247e+02
##	39131	39132	39133	39134	39135
##	9.603280e+02	9.579187e+02	1.021530e+03	9.411618e+02	9.278487e+02
##	39136	39137	39138	39139	39140
##	1.031922e+03	1.024568e+03	1.078135e+03	8.882083e+02	9.242935e+02
##	39141	39142	39143	39144	39145
##	9.155697e+02	8.788608e+02	1.058923e+03	9.351566e+02	1.031826e+03
##	39146	39147	39148	39149	39150
##	1.055267e+03	1.452184e+03	1.393313e+03	2.199151e+03	1.716048e+02
##	39151	39152	39153	39154	39155
##	1.676265e+03	1.429584e+03	7.477989e+02	6.936909e+02	8.864562e+02
##	39156	39157	39158	39159	39160
##	2.037115e+03	2.042385e+03	1.230045e+03	1.223620e+03	1.127490e+03
##	39161	39162	39163	39164	39165
##	1.255739e+03	1.037344e+03	1.214008e+03	1.136815e+03	6.911928e+02
##	39166	39167	39168	39169	39170

##	1.178983e+03	-5.061043e+00	-8.829145e+00	1.500848e+02	1.267398e+02
##	39171	39172	39173	39174	39175
##	1.067569e+03	1.135461e+03	1.130287e+03	1.052267e+03	9.669306e+02
##	39176	39177	39178	39179	39180
##	1.172900e+03	1.117075e+03	1.147161e+03	9.326925e+02	1.117952e+03
##	39181	39182	39183	39184	39185
##	1.134040e+03	1.094415e+03	1.144285e+03	1.131853e+03	1.148200e+03
##	39186	39187	39188	39189	39190
##	2.986564e+01	1.220578e+03	3.698274e+02	1.114205e+03	1.037861e+03
##	39191	39192	39193	39194	39195
##	1.392811e+03	1.529525e+03	1.853227e+03	1.397556e+03	1.543342e+03
##	39196	39197	39198	39199	39200
##	1.609926e+03	1.010760e+03	1.103467e+03	9.994901e+02	9.592314e+02
##	39201	39202	39203	39204	39205
##	1.653055e+03	1.646170e+03	1.512549e+03	1.778987e+03	9.238448e+02
##	39206	39207	39208	39209	39210
##	1.498264e+03	-6.080679e+02	7.090256e+02	6.841142e+02	1.009926e+03
##	39211	39212	39213	39214	39215
##	1.019268e+03	-1.275401e+02	1.791972e+03	1.660589e+03	1.805919e+03
##	39216	39217	39218	39219	39220
##	1.621227e+03	1.421694e+03	9.738164e+02	1.636894e+02	1.320071e+03
##	39221	39222	39223	39224	39225
##	2.146848e+02	7.327650e+02	-3.758519e+03	1.633622e+03	3.686629e+02
##	39226	39227	39228	39229	39230
##	1.705577e+03	1.683180e+03	1.521345e+03	1.693878e+03	1.687929e+03
##	39231	39232	39233	39234	39235
##	1.627362e+03	1.593475e+03	1.623705e+03	1.507398e+03	1.681401e+03
##	39236	39237	39238	39239	39240
##	1.681401e+03	1.383553e+03	1.262692e+02	1.191181e+02	1.968352e+02
##	39241	39242	39243	39244	39245
##	5.147189e+02	1.401934e+03	1.277959e+03	6.292205e+02	3.591000e+02
##	39246	39247	39248	39249	39250
##	1.366955e+03	1.861212e+03	1.835946e+03	1.838815e+03	1.840540e+03
##	39251	39252	39253	39254	39255
##	1.864716e+03	1.899864e+03	2.053706e+03	1.211602e+03	1.423742e+03
##	39256	39257	39258	39259	39260
##	1.443577e+03	1.418046e+03	1.291202e+03	1.431050e+03	1.535125e+03
##	39261	39262	39263	39264	39265
##	1.507034e+03	1.453873e+03	9.255657e+02	1.045587e+03	1.069971e+03
##	39266	39267	39268	39269	39270
##	1.177964e+03	1.113156e+03	1.182469e+03	1.000631e+03	1.037593e+03
##	39271	39272	39273	39274	39275
##	3.138113e+02	2.799491e+01	-1.517528e+00	7.379222e+02	-3.550755e+03
##	39276	39277	39278	39279	39280
##	-8.299096e+02	-4.772714e+02	-5.409730e+02	-2.541211e+03	-8.724208e+02
##	39281	39282	39283	39284	39285
##	-1.857484e+02	-1.945737e+02	-1.688854e+02	-1.761933e+02	-1.872150e+02
##	39286	39287	39288	39289	39290
##	-1.844403e+02	-2.122732e+02	-1.836545e+02	-1.601055e+02	-1.961907e+02
##	39291	39292	39293	39294	39295
##	-1.550901e+02	-1.799071e+02	-1.623126e+02	-1.643976e+02	-1.776600e+02
##	39296	39297	39298	39299	39300
##	-2.032521e+02	-2.004774e+02	-1.740033e+02	-3.921945e+02	-3.203385e+02
##	39301	39302	39303	39304	39305

##	1.322068e+03	1.371461e+03	1.305980e+03	1.678917e+02	1.974342e+02
##	39306	39307	39308	39309	39310
##	1.078918e+03	-1.712813e+03	-1.951184e+03	-1.785961e+03	3.447910e+02
##	39311	39312	39313	39314	39315
##	4.364773e+02	8.749527e+02	1.040826e+03	1.052107e+03	3.864940e+02
##	39316	39317	39318	39319	39320
##	3.419095e+02	2.021652e+03	1.832481e+03	5.485199e+02	6.486668e+02
##	39321	39322	39323	39324	39325
##	1.837066e+03	1.974040e+03	-8.954339e+02	-8.480239e+02	1.325677e+03
##	39326	39327	39328	39329	39330
##	1.299462e+03	2.949478e+02	1.488638e+03	1.164255e+03	1.488269e+03
##	39331	39332	39333	39334	39335
##	1.096226e+03	-1.989260e+03	1.451233e+03	1.265484e+03	1.789646e+03
##	39336	39337	39338	39339	39340
##	4.283571e+02	2.590149e+02	1.158760e+03	9.283339e+02	1.231793e+02
##	39341	39342	39343	39344	39345
##	1.526469e+03	3.379322e+02	1.873809e+03	1.864154e+03	1.863504e+03
##	39346	39347	39348	39349	39350
##	1.885960e+03	1.860350e+03	4.375336e+02	4.515259e-01	1.914012e+03
##	39351	39352	39353	39354	39355
##	-8.491868e+01	1.765714e+02	1.833561e+02	1.557021e+03	1.469441e+03
##	39356	39357	39358	39359	39360
##	1.496128e+03	1.491591e+03	1.364503e+03	1.587836e+03	4.569407e+02
##	39361	39362	39363	39364	39365
##	4.569407e+02	1.460369e+02	3.763432e+02	1.347101e+03	1.200680e+02
##	39366	39367	39368	39369	39370
##	-9.933932e+01	1.724835e+03	1.660971e+03	1.841451e+03	1.903985e+03
##	39371	39372	39373	39374	39375
##	5.860592e+02	1.015844e+03	1.721892e+03	1.601493e+03	1.369451e+03
##	39376	39377	39378	39379	39380
##	1.753019e+02	3.578163e+02	8.473492e+02	1.578005e+03	1.575073e+03
##	39381	39382	39383	39384	39385
##	1.937031e+03	1.316457e+03	6.763749e+02	1.906238e+03	1.726542e+03
##	39386	39387	39388	39389	39390
##	9.174064e+02	3.418299e+02	1.468937e+03	1.869733e+03	1.827019e+03
##	39391	39392	39393	39394	39395
##	1.967399e+02	6.043947e+02	1.609600e+03	1.529212e+03	1.085027e+03
##	39396	39397	39398	39399	39400
##	1.696654e+03	1.777078e+03	1.760261e+03	1.795464e+03	1.775770e+03
##	39401	39402	39403	39404	39405
##	1.636707e+03	1.707373e+03	1.797648e+03	1.755036e+03	1.623348e+03
##	39406	39407	39408	39409	39410
##	1.754468e+03	1.722724e+03	1.507412e+03	1.552117e+03	1.531436e+03
##	39411	39412	39413	39414	39415
##	1.582318e+03	1.599181e+03	1.573487e+03	1.547013e+03	1.574009e+03
##	39416	39417	39418	39419	39420
##	1.610196e+03	1.512903e+03	1.550715e+03	1.587373e+03	1.590355e+03
##	39421	39422	39423	39424	39425
##	1.492693e+03	1.574840e+03	1.580749e+03	1.646155e+03	1.513689e+03
##	39426	39427	39428	39429	39430
##	1.538857e+03	1.568369e+03	1.445220e+03	1.568364e+03	1.418173e+03
##	39431	39432	39433	39434	39435
##	1.591759e+03	1.385081e+03	1.572071e+03	1.535790e+03	1.525657e+03
##	39436	39437	39438	39439	39440

##	1.548378e+03	1.528431e+03	1.564611e+03	1.367427e+03	1.520392e+03
##	39441	39442	39443	39444	39445
##	1.602736e+03	1.566078e+03	1.744626e+02	1.744626e+02	1.646048e+03
##	39446	39447	39448	39449	39450
##	1.664320e+03	1.304652e+03	7.544828e+02	1.610203e+02	3.951314e+02
##	39451	39452	39453	39454	39455
##	3.678361e+02	1.815399e+02	3.118042e+02	1.213346e+02	2.299938e+02
##	39456	39457	39458	39459	39460
##	1.335378e+03	1.222818e+03	1.242440e+03	3.767321e+02	2.066929e+03
##	39461	39462	39463	39464	39465
##	2.180785e+03	6.566158e+02	6.963523e+02	8.588130e+01	-3.071969e+02
##	39466	39467	39468	39469	39470
##	3.409754e+02	3.552137e+02	3.365092e+02	1.648643e+03	1.644206e+03
##	39471	39472	39473	39474	39475
##	1.629313e+03	1.582267e+03	1.511556e+03	1.591092e+03	1.671461e+03
##	39476	39477	39478	39479	39480
##	1.505761e+03	1.711770e+03	1.591026e+03	1.718460e+03	1.594014e+03
##	39481	39482	39483	39484	39485
##	1.714803e+03	1.694806e+03	1.630258e+03	1.655120e+03	1.604924e+03
##	39486	39487	39488	39489	39490
##	1.691935e+03	1.538067e+03	1.683206e+03	1.536560e+03	1.549726e+03
##	39491	39492	39493	39494	39495
##	1.512400e+03	1.593228e+03	1.708074e+03	1.636212e+03	1.708803e+03
##	39496	39497	39498	39499	39500
##	1.665461e+03	1.623359e+03	1.508059e+03	1.612445e+03	4.750206e+02
##	39501	39502	39503	39504	39505
##	1.910193e+03	-2.164870e+03	1.436138e+03	-4.651398e+02	-3.182895e+01
##	39506	39507	39508	39509	39510
##	2.062639e+02	4.009292e+02	1.818863e+03	1.647083e+03	1.735970e+03
##	39511	39512	39513	39514	39515
##	1.372467e+03	1.418680e+03	1.372467e+03	1.304334e+03	1.388246e+03
##	39516	39517	39518	39519	39520
##	1.361199e+03	1.383190e+03	1.281038e+03	1.276388e+03	8.865816e+02
##	39521	39522	39523	39524	39525
##	-2.507743e+02	-2.438274e+02	2.340270e+02	8.148826e+01	6.569248e+02
##	39526	39527	39528	39529	39530
##	7.063232e+02	7.637272e+02	5.725231e+02	5.769279e+02	5.547275e+02
##	39531	39532	39533	39534	39535
##	6.313481e+02	4.253451e+02	1.042951e+03	1.036469e+03	1.232092e+03
##	39536	39537	39538	39539	39540
##	1.131396e+03	1.131346e+03	1.118049e+03	1.086552e+03	1.044512e+03
##	39541	39542	39543	39544	39545
##	1.129845e+03	1.090731e+03	1.052651e+03	1.169014e+03	1.067159e+03
##	39546	39547	39548	39549	39550
##	9.546657e+02	1.149879e+03	1.273942e+03	1.178224e+03	1.201042e+03
##	39551	39552	39553	39554	39555
##	1.202514e+03	1.196750e+03	1.045688e+03	1.214376e+03	1.189442e+03
##	39556	39557	39558	39559	39560
##	1.002644e+03	1.129090e+03	1.182707e+03	1.160097e+03	1.069286e+03
##	39561	39562	39563	39564	39565
##	6.319080e+02	1.020478e+03	1.130987e+03	1.147770e+03	1.706329e+03
##	39566	39567	39568	39569	39570
##	1.362868e+03	1.678159e+03	1.888553e+03	1.905411e+03	1.968096e+03
##	39571	39572	39573	39574	39575

##	1.848894e+03	1.709717e+03	1.845004e+03	4.914951e+02	1.590387e+03
##	39576	39577	39578	39579	39580
##	1.739048e+02	1.786512e+02	9.613748e+02	1.975125e+03	1.731551e+03
##	39581	39582	39583	39584	39585
##	1.462053e+02	1.305840e+03	1.704990e+03	1.377918e+03	1.784463e+03
##	39586	39587	39588	39589	39590
##	1.584887e+03	1.620184e+03	1.675812e+03	1.376081e+03	4.052803e+02
##	39591	39592	39593	39594	39595
##	9.862124e+02	1.833592e+03	1.099151e+03	4.479234e+02	4.771043e+02
##	39596	39597	39598	39599	39600
##	1.488032e+03	1.538371e+03	1.572153e+03	1.567620e+03	1.550752e+03
##	39601	39602	39603	39604	39605
##	-3.467618e+02	-3.332973e+02	-8.967358e+02	-6.697473e+02	9.643643e+01
##	39606	39607	39608	39609	39610
##	7.429977e+01	-2.876846e+02	2.293097e+02	-6.082567e+02	-6.326206e+02
##	39611	39612	39613	39614	39615
##	-4.049964e+01	-4.763957e+02	-2.878614e+02	-3.735754e+02	3.347349e+02
##	39616	39617	39618	39619	39620
##	-9.532560e+02	-6.999901e+02	-6.381818e+02	6.611980e+00	2.233427e+02
##	39621	39622	39623	39624	39625
##	-7.593696e+02	1.011264e+02	-5.062294e+02	-3.425007e+03	1.280284e+02
##	39626	39627	39628	39629	39630
##	-4.363945e+02	-1.567572e+03	-5.923111e+02	-6.495106e+02	-7.676301e+02
##	39631	39632	39633	39634	39635
##	1.568451e+03	1.599104e+03	1.636317e+03	1.681958e+03	1.651782e+03
##	39636	39637	39638	39639	39640
##	1.652518e+03	1.705561e+03	1.475898e+03	-1.212339e+01	1.229606e+03
##	39641	39642	39643	39644	39645
##	1.286966e+02	1.992333e+03	1.858391e+03	1.462159e+03	1.197506e+03
##	39646	39647	39648	39649	39650
##	8.800899e+02	4.018255e+01	8.362411e+02	1.737620e+03	-5.577221e+02
##	39651	39652	39653	39654	39655
##	-2.644784e+01	1.332447e+03	1.421754e+03	1.068508e+03	7.978061e+02
##	39656	39657	39658	39659	39660
##	8.445869e+02	9.154001e+02	8.013613e+02	9.197412e+02	1.072473e+03
##	39661	39662	39663	39664	39665
##	1.121620e+03	1.145061e+03	1.150970e+03	1.036337e+03	1.030961e+03
##	39666	39667	39668	39669	39670
##	1.010604e+03	1.168613e+03	1.115665e+03	1.112014e+03	1.161311e+03
##	39671	39672	39673	39674	39675
##	1.011805e+03	1.145076e+03	1.040633e+03	1.101785e+03	1.015507e+03
##	39676	39677	39678	39679	39680
##	1.012682e+03	1.296703e+03	1.212787e+03	-1.761652e+03	9.506034e+02
##	39681	39682	39683	39684	39685
##	1.042291e+03	1.637547e+03	2.119933e+03	2.737276e+02	1.918962e+03
##	39686	39687	39688	39689	39690
##	1.881819e+03	1.770793e+03	1.807564e+03	1.924962e+03	1.828394e+03
##	39691	39692	39693	39694	39695
##	1.876973e+03	1.838690e+03	1.872794e+03	1.775068e+03	5.037589e+02
##	39696	39697	39698	39699	39700
##	1.724077e+03	1.276818e+03	1.286143e+03	1.230741e+03	1.169917e+03
##	39701	39702	39703	39704	39705
##	1.138418e+03	1.231431e+03	1.260776e+03	5.803251e+01	1.344177e+03
##	39706	39707	39708	39709	39710

##	5.278798e+02	9.249879e+02	1.911686e+03	-5.592423e+01	1.020150e+03
##	39711	39712	39713	39714	39715
##	1.008456e+03	3.403453e+02	1.022433e+03	1.301298e+03	1.780893e+03
##	39716	39717	39718	39719	39720
##	1.098755e+03	1.268072e+03	1.006071e+03	3.990374e+02	5.440086e+02
##	39721	39722	39723	39724	39725
##	4.027000e+02	3.923985e+02	1.061889e+03	9.980275e+02	3.827878e+02
##	39726	39727	39728	39729	39730
##	1.975385e+03	1.302546e+03	5.466858e+02	2.306332e+02	1.209571e+03
##	39731	39732	39733	39734	39735
##	8.994258e+02	6.586257e+02	3.426357e+02	1.951571e+03	1.269027e+03
##	39736	39737	39738	39739	39740
##	1.701053e+03	1.695241e+03	2.063354e+03	-1.986186e+03	1.309702e+03
##	39741	39742	39743	39744	39745
##	1.175618e+03	1.411365e+03	2.122102e+03	9.254955e+02	-8.237857e+00
##	39746	39747	39748	39749	39750
##	4.053000e+02	1.163942e+03	1.636542e+01	3.808862e+02	5.533315e+02
##	39751	39752	39753	39754	39755
##	1.508742e+03	1.495922e+03	-2.383656e+02	1.445627e+03	3.854316e+02
##	39756	39757	39758	39759	39760
##	1.754676e+03	1.536007e+03	1.539608e+03	2.898903e+02	6.705084e+02
##	39761	39762	39763	39764	39765
##	4.125239e+02	3.842904e+02	1.106711e+03	1.274311e+03	1.207250e+03
##	39766	39767	39768	39769	39770
##	1.277394e+03	1.253786e+03	1.284657e+03	1.304442e+03	1.174200e+03
##	39771	39772	39773	39774	39775
##	1.175338e+03	1.197426e+03	1.992181e+02	3.134759e+02	1.083792e+03
##	39776	39777	39778	39779	39780
##	1.147920e+03	1.072192e+03	1.189174e+03	1.217951e+03	1.067710e+03
##	39781	39782	39783	39784	39785
##	1.208385e+03	1.219254e+03	1.503754e+03	1.174558e+03	9.961669e+02
##	39786	39787	39788	39789	39790
##	-2.446102e+02	1.612836e+03	1.698056e+03	1.793635e+03	1.809537e+03
##	39791	39792	39793	39794	39795
##	1.792758e+03	1.590013e+03	1.670172e+03	1.711840e+03	1.709564e+03
##	39796	39797	39798	39799	39800
##	1.630182e+03	1.532351e+03	3.528950e+02	1.950539e+03	2.085722e+03
##	39801	39802	39803	39804	39805
##	1.876599e+03	1.812428e+03	1.640936e+03	1.822090e+03	1.846210e+03
##	39806	39807	39808	39809	39810
##	1.819163e+03	1.815512e+03	1.173484e+03	4.612573e+02	-4.295645e+02
##	39811	39812	39813	39814	39815
##	4.351279e+02	1.866912e+03	1.738352e+03	1.762330e+03	1.760438e+03
##	39816	39817	39818	39819	39820
##	1.750832e+03	1.796798e+03	1.828926e+02	1.549195e+03	1.404576e+03
##	39821	39822	39823	39824	39825
##	1.547201e+03	1.742586e+03	1.592330e+03	-3.605339e+02	1.021267e+03
##	39826	39827	39828	39829	39830
##	1.062545e+03	1.123065e+03	1.429612e+03	1.483409e+03	1.498648e+03
##	39831	39832	39833	39834	39835
##	2.832279e+02	2.551722e+02	1.024735e+03	3.426700e+02	4.391538e+02
##	39836	39837	39838	39839	39840
##	5.661587e+02	1.738275e+03	4.756405e+02	7.544529e+02	8.112276e+02
##	39841	39842	39843	39844	39845

##	2.246870e+02	4.646835e+02	-1.758957e+02	-1.259170e+02	1.728532e+03
##	39846	39847	39848	39849	39850
##	1.341893e+03	3.761024e+02	-4.143471e+02	1.868453e+03	1.824705e+03
##	39851	39852	39853	39854	39855
##	1.842138e+03	1.883395e+03	1.810708e+03	1.576079e+02	1.790884e+03
##	39856	39857	39858	39859	39860
##	1.932199e+03	3.683690e+02	5.083267e+02	-2.832558e+02	1.666185e+03
##	39861	39862	39863	39864	39865
##	1.078676e+02	1.868200e+03	1.853762e+03	-3.353610e+02	2.082501e+03
##	39866	39867	39868	39869	39870
##	2.551928e+02	1.168979e+03	-8.337194e+02	1.336637e+03	1.321975e+03
##	39871	39872	39873	39874	39875
##	6.158406e+02	1.547451e+03	1.363482e+03	6.283121e+02	1.420147e+03
##	39876	39877	39878	39879	39880
##	1.848817e+03	8.619965e+02	1.296030e+03	1.852941e+03	1.858782e+03
##	39881	39882	39883	39884	39885
##	1.812371e+03	1.817690e+03	1.840250e+03	1.800042e+03	1.809551e+03
##	39886	39887	39888	39889	39890
##	1.768235e+03	1.523539e+03	1.633891e+03	1.537480e+03	1.637593e+03
##	39891	39892	39893	39894	39895
##	1.638232e+03	1.501872e+03	1.652325e+03	1.639681e+03	1.541041e+03
##	39896	39897	39898	39899	39900
##	1.686579e+03	1.611683e+03	1.630087e+03	1.603563e+03	1.643350e+03
##	39901	39902	39903	39904	39905
##	1.644865e+03	1.610916e+03	1.646950e+03	1.271338e+03	1.025514e+03
##	39906	39907	39908	39909	39910
##	5.584868e+02	3.368016e+01	3.870430e+02	4.696860e+02	4.605407e+02
##	39911	39912	39913	39914	39915
##	4.298932e+02	1.710431e+03	1.243642e+03	-2.083609e+03	-6.326755e+02
##	39916	39917	39918	39919	39920
##	-8.357929e+02	2.054192e+03	1.636548e+03	1.854627e+03	2.110067e+03
##	39921	39922	39923	39924	39925
##	2.224958e+03	2.282345e+03	2.085840e+03	1.610972e+03	1.686796e+03
##	39926	39927	39928	39929	39930
##	1.878870e+03	1.733122e+03	1.403056e+03	1.403106e+03	1.430889e+03
##	39931	39932	39933	39934	39935
##	-4.475343e+02	2.689560e+02	2.071751e+01	-1.768355e+02	7.706900e+02
##	39936	39937	39938	39939	39940
##	9.210419e+02	9.190940e+02	7.905695e+02	7.708123e+02	1.132867e+03
##	39941	39942	39943	39944	39945
##	9.258927e+02	9.421628e+01	1.184426e+03	6.851390e+02	4.492957e+02
##	39946	39947	39948	39949	39950
##	5.540760e+02	5.354894e+02	6.050474e+02	8.579367e+02	8.679730e+02
##	39951	39952	39953	39954	39955
##	-6.943481e+02	-5.773670e+02	-5.713672e+02	-4.025380e+02	-5.135994e+02
##	39956	39957	39958	39959	39960
##	-8.803519e+02	-6.020107e+02	-5.400281e+02	-7.840614e+02	-6.686999e+02
##	39961	39962	39963	39964	39965
##	2.215193e+02	9.454009e+02	1.561633e+02	1.202512e+03	1.897967e+03
##	39966	39967	39968	39969	39970
##	3.432139e+02	1.986298e+03	1.933503e+03	1.972301e+03	1.078457e+03
##	39971	39972	39973	39974	39975
##	1.130407e+03	1.790260e+03	7.347016e+02	5.984293e+02	1.643409e+03
##	39976	39977	39978	39979	39980

##	1.086527e+03	1.620928e+03	1.894970e+02	-1.400844e+02	7.881066e+02
##	39981	39982	39983	39984	39985
##	7.533561e+02	6.660076e+02	8.432901e+02	6.821354e+02	6.946735e+02
##	39986	39987	39988	39989	39990
##	1.275580e+03	1.259280e+03	1.281529e+03	1.193944e+03	1.127733e+03
##	39991	39992	39993	39994	39995
##	1.315200e+03	1.274891e+03	1.183558e+03	1.140788e+03	1.296360e+03
##	39996	39997	39998	39999	40000
##	1.190147e+03	1.269671e+03	1.153218e+03	1.313019e+03	1.249836e+03
##	40001	40002	40003	40004	40005
##	1.179686e+03	1.220278e+03	1.243101e+03	1.072644e+03	1.075289e+03
##	40006	40007	40008	40009	40010
##	1.293847e+03	1.194062e+03	1.141471e+03	1.170816e+03	1.220440e+03
##	40011	40012	40013	40014	40015
##	1.207847e+03	1.253493e+03	-2.009949e+03	1.250957e+03	1.972467e+03
##	40016	40017	40018	40019	40020
##	6.489916e+02	1.322365e+03	1.827691e+03	1.780489e+03	6.821005e+02
##	40021	40022	40023	40024	40025
##	-3.656975e+02	1.335028e+03	1.362157e+03	6.229471e+02	1.104434e+03
##	40026	40027	40028	40029	40030
##	-2.582738e+02	4.917461e+02	1.027927e+03	7.669565e+02	7.829936e+02
##	40031	40032	40033	40034	40035
##	4.656674e+02	4.751264e+02	8.011392e+02	2.586692e+02	1.827261e+03
##	40036	40037	40038	40039	40040
##	1.787272e+03	1.796197e+03	4.860573e+02	5.233318e+02	7.256597e+02
##	40041	40042	40043	40044	40045
##	2.160264e+03	7.233684e+02	-2.333065e+03	5.822558e+02	1.341232e+03
##	40046	40047	40048	40049	40050
##	4.911688e+02	1.180088e+03	1.445042e+03	1.142008e+03	9.039023e+02
##	40051	40052	40053	40054	40055
##	1.050726e+03	1.043418e+03	1.011823e+03	9.427343e+02	1.026290e+03
##	40056	40057	40058	40059	40060
##	1.430573e+03	4.346770e+02	4.599073e+02	7.545609e+02	1.519320e+03
##	40061	40062	40063	40064	40065
##	1.078209e+03	-2.762816e+02	9.211883e+02	8.726244e+02	1.122905e+03
##	40066	40067	40068	40069	40070
##	1.115597e+03	1.088550e+03	1.143740e+03	1.021602e+03	1.066984e+03
##	40071	40072	40073	40074	40075
##	1.109693e+03	-8.935631e+01	4.905258e+02	4.705738e+02	1.262362e+03
##	40076	40077	40078	40079	40080
##	1.226541e+03	1.133741e+03	1.400654e+03	1.822701e+03	1.136612e+03
##	40081	40082	40083	40084	40085
##	1.855800e+03	1.456900e+03	1.458940e+03	1.212498e+03	1.106463e+03
##	40086	40087	40088	40089	40090
##	1.119822e+03	9.973193e+02	9.836290e+02	9.233729e+02	1.081764e+03
##	40091	40092	40093	40094	40095
##	1.279089e+03	1.165674e+03	1.172201e+03	1.259878e+03	1.236533e+03
##	40096	40097	40098	40099	40100
##	1.206306e+03	1.206306e+03	1.187352e+03	1.123736e+03	1.277004e+03
##	40101	40102	40103	40104	40105
##	1.306258e+03	1.233611e+03	1.134908e+03	1.044729e+03	1.110686e+03
##	40106	40107	40108	40109	40110
##	1.127645e+03	-5.842079e+02	5.969852e+02	3.829920e+02	1.192632e+03
##	40111	40112	40113	40114	40115

##	1.983225e+03	1.915126e+03	1.893072e+03	2.024057e+03	1.997797e+03
##	40116	40117	40118	40119	40120
##	1.911565e+03	1.994549e+03	1.875957e+03	2.015968e+03	1.988184e+03
##	40121	40122	40123	40124	40125
##	1.855695e+03	1.919443e+03	1.985153e+03	2.010014e+03	1.941696e+03
##	40126	40127	40128	40129	40130
##	2.003015e+03	1.981449e+03	1.978578e+03	1.969704e+03	1.908385e+03
##	40131	40132	40133	40134	40135
##	1.882005e+03	1.701639e+03	1.296003e+03	1.210204e+03	1.162950e+03
##	40136	40137	40138	40139	40140
##	1.260187e+03	1.318831e+03	-9.704894e+02	-9.688423e+02	-1.915886e+03
##	40141	40142	40143	40144	40145
##	6.244777e+02	1.888405e+03	1.756713e+03	1.183035e+03	6.586805e+02
##	40146	40147	40148	40149	40150
##	3.783993e+02	1.389072e+03	1.639764e+03	1.715168e+03	1.601611e+03
##	40151	40152	40153	40154	40155
##	1.671366e+03	1.537259e+03	1.564468e+03	1.280303e+02	1.666331e+03
##	40156	40157	40158	40159	40160
##	1.721690e+03	1.592075e+03	1.726223e+03	1.734266e+03	1.590978e+03
##	40161	40162	40163	40164	40165
##	-2.428143e+02	1.012948e+03	9.052691e+02	1.391570e+03	1.288396e+03
##	40166	40167	40168	40169	40170
##	1.721611e+03	6.664122e+02	1.744574e+03	1.142813e+03	1.251548e+03
##	40171	40172	40173	40174	40175
##	1.287038e+03	1.159643e+03	1.220896e+03	1.227468e+03	5.782683e+02
##	40176	40177	40178	40179	40180
##	6.507476e+02	1.963385e+03	4.125799e+02	1.809438e+03	1.853241e+03
##	40181	40182	40183	40184	40185
##	1.495103e+03	4.182322e+02	4.218888e+02	-2.877444e+02	-3.829029e+02
##	40186	40187	40188	40189	40190
##	2.876286e+02	5.828894e+02	4.877093e+02	1.002033e+03	1.805576e+03
##	40191	40192	40193	40194	40195
##	1.726315e+03	1.793510e+03	-3.079656e+02	2.330588e+01	1.443973e+03
##	40196	40197	40198	40199	40200
##	2.334168e+02	3.015392e+02	5.979776e+02	6.011574e+02	2.155225e+02
##	40201	40202	40203	40204	40205
##	1.073432e+03	1.908094e+03	1.396619e+03	1.124467e+03	-2.282783e+02
##	40206	40207	40208	40209	40210
##	-8.317352e+01	-6.056624e+01	2.079790e+02	1.625803e+03	1.549463e+03
##	40211	40212	40213	40214	40215
##	1.543767e+03	7.040215e+01	9.510691e+02	1.658754e+03	1.181117e+03
##	40216	40217	40218	40219	40220
##	1.525232e+03	5.491428e+02	1.665026e+03	1.860638e+03	1.673297e+03
##	40221	40222	40223	40224	40225
##	1.638607e+03	1.689729e+03	1.645911e+03	1.685325e+03	1.686906e+03
##	40226	40227	40228	40229	40230
##	1.651493e+03	1.687017e+03	1.716072e+03	1.813031e+03	1.768858e+03
##	40231	40232	40233	40234	40235
##	1.762829e+03	1.870037e+03	1.794266e+03	1.587932e+03	-4.629292e+01
##	40236	40237	40238	40239	40240
##	1.577565e+03	1.893463e+03	1.901557e+03	1.914084e+03	1.920773e+03
##	40241	40242	40243	40244	40245
##	1.894249e+03	1.297065e+03	1.357436e+03	1.270208e+03	1.279865e+03
##	40246	40247	40248	40249	40250

##	1.237989e+03	1.159806e+03	9.325668e+02	1.479885e+02	1.253255e+03
##	40251	40252	40253	40254	40255
##	-3.191773e+02	4.833974e+01	-6.221508e+02	8.497026e+02	1.973846e+03
##	40256	40257	40258	40259	40260
##	1.274276e+03	1.551641e+03	1.195103e+03	1.069302e+03	1.036093e+03
##	40261	40262	40263	40264	40265
##	-2.136634e+02	-6.649525e+02	-1.805617e+02	-5.738101e+02	-7.104980e+02
##	40266	40267	40268	40269	40270
##	-1.911438e+02	-6.957285e+01	-5.859920e+02	-2.006045e+02	-6.124571e+02
##	40271	40272	40273	40274	40275
##	-5.894356e+02	1.553685e+02	4.231043e+02	-2.188417e+02	-1.966997e+02
##	40276	40277	40278	40279	40280
##	-2.253184e+02	-1.952331e+02	-1.707532e+02	-7.736629e+02	-6.884284e+02
##	40281	40282	40283	40284	40285
##	-7.041791e+02	5.065640e+01	6.339123e+01	-3.512529e+02	-3.979430e+02
##	40286	40287	40288	40289	40290
##	3.631751e+02	-3.687851e+03	7.484154e+02	3.586149e+02	-1.314921e+02
##	40291	40292	40293	40294	40295
##	1.138406e+03	1.022711e+03	1.148012e+03	1.135418e+03	1.128846e+03
##	40296	40297	40298	40299	40300
##	1.285664e+03	1.284098e+03	1.244362e+03	1.328958e+03	1.198035e+03
##	40301	40302	40303	40304	40305
##	1.187593e+03	1.198039e+03	1.555569e+03	1.565799e+03	1.481718e+03
##	40306	40307	40308	40309	40310
##	1.592172e+03	1.453992e+03	1.476647e+03	1.439261e+03	1.551181e+03
##	40311	40312	40313	40314	40315
##	1.434038e+03	1.560625e+03	1.515758e+03	1.466361e+03	1.452474e+03
##	40316	40317	40318	40319	40320
##	1.518584e+03	1.562827e+03	1.595828e+03	2.250016e+02	1.479354e+03
##	40321	40322	40323	40324	40325
##	-1.039802e+03	-8.164905e+02	1.942205e+03	1.714107e+03	1.840883e+03
##	40326	40327	40328	40329	40330
##	1.854650e+02	4.102319e+02	1.341842e+03	3.509576e+02	1.217676e+03
##	40331	40332	40333	40334	40335
##	6.447681e+02	1.201374e+03	1.949529e+03	1.978874e+03	1.954148e+03
##	40336	40337	40338	40339	40340
##	9.081940e+02	4.449151e+02	3.251023e+01	1.510919e+03	1.800557e+03
##	40341	40342	40343	40344	40345
##	1.659863e+03	1.868558e+03	1.792477e+03	1.956499e+03	2.866144e+02
##	40346	40347	40348	40349	40350
##	3.342238e+00	1.330683e+03	1.202793e+03	1.916994e+03	1.889121e+03
##	40351	40352	40353	40354	40355
##	1.931875e+03	1.697839e+03	1.846961e+03	1.929638e+03	1.574294e+03
##	40356	40357	40358	40359	40360
##	1.658728e+03	1.664094e+03	1.535394e+03	1.624160e+03	1.690537e+03
##	40361	40362	40363	40364	40365
##	1.589643e+03	1.726311e+03	1.708774e+03	1.747118e+03	2.426282e+02
##	40366	40367	40368	40369	40370
##	1.804159e+03	1.576597e+03	1.573153e+03	1.106741e+03	4.103975e+02
##	40371	40372	40373	40374	40375
##	1.292215e+03	1.918276e+03	1.851976e+03	1.722756e+03	2.170160e+03
##	40376	40377	40378	40379	40380
##	5.567245e+02	1.728909e+03	3.423529e+02	8.948736e+02	1.539917e+03
##	40381	40382	40383	40384	40385

##	1.634488e+03	1.383300e+03	8.303814e+02	6.184096e+02	5.468689e+02
##	40386	40387	40388	40389	40390
##	2.330997e+03	2.308083e+03	1.934977e+03	2.220383e+03	5.843640e+02
##	40391	40392	40393	40394	40395
##	5.179816e+02	4.723075e+02	8.375221e+02	2.083385e+03	7.864281e+02
##	40396	40397	40398	40399	40400
##	1.066592e+03	5.160587e+02	1.841011e+03	1.494922e+03	1.783671e+03
##	40401	40402	40403	40404	40405
##	1.843882e+03	1.831496e+03	2.738960e+02	5.587432e+02	5.484477e+02
##	40406	40407	40408	40409	40410
##	4.814602e+02	1.711267e+03	1.599937e+03	1.812913e+03	8.957795e+02
##	40411	40412	40413	40414	40415
##	7.705223e+02	5.846102e+02	5.684770e+02	1.083800e+03	-3.634143e+01
##	40416	40417	40418	40419	40420
##	-1.554196e+02	7.932248e+02	1.102594e+02	-1.580127e+03	-1.665368e+03
##	40421	40422	40423	40424	40425
##	4.949968e+02	5.183415e+02	4.213580e+02	-1.099660e+03	2.168615e+03
##	40426	40427	40428	40429	40430
##	3.206499e+02	2.110062e+03	1.805331e+03	1.831963e+03	-1.545866e+02
##	40431	40432	40433	40434	40435
##	1.011509e+03	5.430964e+02	1.132307e+03	7.093241e+02	2.010636e+03
##	40436	40437	40438	40439	40440
##	1.574811e+03	1.033185e+03	2.029776e+03	5.182007e+02	-1.818487e+03
##	40441	40442	40443	40444	40445
##	7.840344e+02	6.926256e+02	1.192165e+03	-1.038772e+03	-9.506934e+02
##	40446	40447	40448	40449	40450
##	-2.350853e+03	1.139258e+03	4.754720e+02	1.823504e+03	1.626725e+03
##	40451	40452	40453	40454	40455
##	7.590941e+02	-1.834430e+03	1.321839e+03	1.324137e+03	1.450978e+03
##	40456	40457	40458	40459	40460
##	6.319713e+02	6.451829e+02	6.429358e+02	6.223148e+02	6.613161e+02
##	40461	40462	40463	40464	40465
##	5.058333e+02	1.593169e+03	1.661044e+03	1.613264e+03	1.661044e+03
##	40466	40467	40468	40469	40470
##	1.657392e+03	1.675041e+03	1.596825e+03	1.663342e+03	1.642466e+03
##	40471	40472	40473	40474	40475
##	1.512045e+03	1.466683e+03	1.490809e+03	-1.561807e+03	1.545229e+03
##	40476	40477	40478	40479	40480
##	1.203930e+03	-3.386119e+01	5.965084e+02	3.787968e+02	4.451035e+02
##	40481	40482	40483	40484	40485
##	1.455313e+03	1.496155e+03	1.672840e+01	-8.137393e+02	4.111852e+02
##	40486	40487	40488	40489	40490
##	4.956633e+02	-4.779241e+02	1.835650e+03	2.072141e+03	2.019652e+03
##	40491	40492	40493	40494	40495
##	2.054543e+03	2.087544e+03	1.932180e+03	2.061754e+03	1.973485e+03
##	40496	40497	40498	40499	40500
##	2.037624e+03	2.055800e+03	2.038881e+03	6.091960e+02	1.247423e+03
##	40501	40502	40503	40504	40505
##	1.879507e+03	1.391755e+03	1.883832e+03	1.923389e+03	1.270092e+03
##	40506	40507	40508	40509	40510
##	2.064255e+03	1.558978e+02	1.702882e+01	7.818511e+01	1.652864e+03
##	40511	40512	40513	40514	40515
##	1.609056e+03	1.616896e+03	7.914970e+02	1.631623e+03	1.125982e+03
##	40516	40517	40518	40519	40520

##	1.968700e+03	1.100458e+03	1.007974e+03	1.933325e+03	1.806530e+03
##	40521	40522	40523	40524	40525
##	4.982949e+02	4.541438e+02	4.562098e+02	6.196790e+02	2.732852e+02
##	40526	40527	40528	40529	40530
##	3.359724e+02	1.099085e+03	9.191257e+02	1.407058e+03	9.548421e+02
##	40531	40532	40533	40534	40535
##	-2.927739e+03	-1.681617e+03	5.909385e+02	1.762668e+03	2.162670e+03
##	40536	40537	40538	40539	40540
##	1.878409e+03	2.818719e+02	1.873449e+03	1.620256e+03	1.673941e+03
##	40541	40542	40543	40544	40545
##	1.821093e+03	1.701534e+03	1.872306e+03	3.993420e+01	4.271691e+02
##	40546	40547	40548	40549	40550
##	1.461078e+03	1.896489e+03	3.551066e+02	1.655497e+03	1.231376e+03
##	40551	40552	40553	40554	40555
##	5.170900e+02	1.929141e+03	2.404509e+03	1.709805e+03	1.854330e+03
##	40556	40557	40558	40559	40560
##	1.889932e+03	1.867940e+03	1.797725e+03	1.693265e+03	1.739320e+03
##	40561	40562	40563	40564	40565
##	1.716282e+03	1.857936e+03	1.687056e+03	1.854105e+03	1.858554e+03
##	40566	40567	40568	40569	40570
##	1.776244e+03	1.959919e+01	2.681432e+02	1.802450e+03	3.205578e+02
##	40571	40572	40573	40574	40575
##	2.018559e+02	2.129892e+03	2.081933e+03	7.143543e+02	1.094629e+03
##	40576	40577	40578	40579	40580
##	9.426487e+02	9.861379e+02	1.112003e+03	1.001202e+03	5.090102e+02
##	40581	40582	40583	40584	40585
##	1.157246e+03	1.592671e+03	1.552513e+03	1.512356e+03	1.598777e+03
##	40586	40587	40588	40589	40590
##	1.581909e+03	1.554031e+03	1.613670e+03	1.563478e+03	1.477523e+03
##	40591	40592	40593	40594	40595
##	-1.152402e+03	-1.037266e+03	-1.067516e+02	2.203375e+02	2.007244e+01
##	40596	40597	40598	40599	40600
##	-9.221694e+00	-1.655052e+03	-2.832216e+03	-5.139762e+02	-3.223059e+03
##	40601	40602	40603	40604	40605
##	-1.364124e+02	6.770735e+02	6.480565e+02	7.580637e+02	6.932317e+02
##	40606	40607	40608	40609	40610
##	-2.620425e+02	1.303874e+02	1.746064e+02	1.379989e+02	3.162986e+01
##	40611	40612	40613	40614	40615
##	-1.128485e+03	-5.844610e+01	7.653709e+02	6.693554e+02	7.081455e+02
##	40616	40617	40618	40619	40620
##	-8.096767e+02	1.073697e+03	2.212007e+02	4.530225e+02	5.471548e+02
##	40621	40622	40623	40624	40625
##	1.640925e+03	1.529954e+03	1.684267e+03	1.614405e+03	1.654091e+03
##	40626	40627	40628	40629	40630
##	1.677537e+03	1.618107e+03	1.570735e+03	1.531206e+03	1.687924e+03
##	40631	40632	40633	40634	40635
##	1.634925e+03	1.661399e+03	1.660877e+03	1.678267e+03	1.605676e+03
##	40636	40637	40638	40639	40640
##	1.465046e+03	1.492043e+03	1.554551e+03	1.526560e+03	1.561910e+03
##	40641	40642	40643	40644	40645
##	1.589543e+03	1.642491e+03	1.582644e+03	1.898461e+03	1.599976e+03
##	40646	40647	40648	40649	40650
##	1.933912e+03	7.718278e+02	3.619830e+02	6.638242e+02	4.511479e+02
##	40651	40652	40653	40654	40655

##	4.098097e+02	9.848560e+02	8.999788e+02	1.013207e+03	4.725965e+02
##	40656	40657	40658	40659	40660
##	3.402061e+02	3.509070e+02	6.734773e+02	4.030214e+02	1.879298e+03
##	40661	40662	40663	40664	40665
##	1.857210e+03	1.659361e+03	7.479295e+02	7.494775e+02	2.059110e+03
##	40666	40667	40668	40669	40670
##	1.439278e+03	1.722816e+03	1.927381e+03	1.900057e+03	1.783932e+03
##	40671	40672	40673	40674	40675
##	1.669002e+03	1.662627e+03	1.868195e+03	4.925365e+02	1.256598e+03
##	40676	40677	40678	40679	40680
##	1.154206e+03	1.098755e+03	1.006071e+03	1.622909e+03	1.303433e+03
##	40681	40682	40683	40684	40685
##	1.808179e+03	1.061889e+03	1.171010e+03	1.312522e+03	9.980275e+02
##	40686	40687	40688	40689	40690
##	1.298406e+03	1.595213e+03	-6.479398e+02	5.665710e+02	3.127192e+02
##	40691	40692	40693	40694	40695
##	1.608721e+03	3.356756e+02	4.179687e+02	1.997254e+03	1.780489e+03
##	40696	40697	40698	40699	40700
##	1.975273e+03	1.955438e+03	1.959758e+03	1.972402e+03	1.988698e+03
##	40701	40702	40703	40704	40705
##	1.962173e+03	1.803095e+03	1.554501e+03	1.976743e+03	1.982008e+03
##	40706	40707	40708	40709	40710
##	-1.495553e+02	8.774550e+02	-1.740017e+03	-1.369650e+03	2.288515e+03
##	40711	40712	40713	40714	40715
##	1.705756e+03	4.851993e+02	7.321535e+02	2.126245e+03	1.551287e+03
##	40716	40717	40718	40719	40720
##	3.580480e+02	5.614878e+02	2.943802e+02	2.075022e+03	1.774685e+03
##	40721	40722	40723	40724	40725
##	1.767281e+03	1.903682e+03	5.957607e+02	1.964739e+03	1.340844e+03
##	40726	40727	40728	40729	40730
##	6.814744e+02	1.146540e+03	1.754248e+02	7.689212e+02	7.732015e+02
##	40731	40732	40733	40734	40735
##	1.748678e+03	1.781121e+03	1.832719e+03	7.137228e+02	1.050191e+03
##	40736	40737	40738	40739	40740
##	1.939201e+03	1.918631e+03	1.969236e+03	8.102000e+02	5.120330e+02
##	40741	40742	40743	40744	40745
##	5.077073e+02	6.539934e+02	1.487239e+03	1.029317e+03	1.377200e+03
##	40746	40747	40748	40749	40750
##	6.200508e+02	5.890925e+02	9.838071e+02	1.289443e+03	1.904605e+03
##	40751	40752	40753	40754	40755
##	1.898605e+03	1.852437e+03	1.787680e+03	1.818333e+03	1.756671e+03
##	40756	40757	40758	40759	40760
##	1.809947e+03	1.836258e+03	1.836208e+03	1.830926e+03	5.804509e+02
##	40761	40762	40763	40764	40765
##	1.876958e+03	1.738325e+03	1.010947e+03	2.370193e+02	1.203547e+03
##	40766	40767	40768	40769	40770
##	7.772366e+02	1.386727e+03	1.877678e+03	-1.259677e+02	1.425664e+03
##	40771	40772	40773	40774	40775
##	1.373096e+03	1.066656e+03	-8.908451e+02	1.966575e+03	2.003369e+03
##	40776	40777	40778	40779	40780
##	2.042180e+03	5.031066e+02	5.691540e+02	1.817384e+03	1.878541e+03
##	40781	40782	40783	40784	40785
##	1.861679e+03	1.382387e+03	2.073205e+03	-1.668702e+03	1.944306e+03
##	40786	40787	40788	40789	40790

##	1.916269e+03	1.958202e+03	1.958253e+03	1.950945e+03	1.680107e+03
##	40791	40792	40793	40794	40795
##	1.696453e+03	1.687678e+03	1.649454e+03	1.623544e+03	1.686538e+03
##	40796	40797	40798	40799	40800
##	1.913256e+03	1.293288e+03	2.136880e+03	1.983708e+03	2.140324e+03
##	40801	40802	40803	40804	40805
##	2.140537e+03	2.110457e+03	5.518160e+02	1.811476e+03	1.485743e+03
##	40806	40807	40808	40809	40810
##	1.413159e+03	1.307819e+03	1.078371e+03	6.102999e+02	1.055459e+03
##	40811	40812	40813	40814	40815
##	3.828888e+02	4.629920e+02	5.123027e+02	2.608246e+02	1.677698e+03
##	40816	40817	40818	40819	40820
##	1.763098e+03	1.589467e+03	1.772401e+03	1.699386e+03	1.671125e+03
##	40821	40822	40823	40824	40825
##	4.544347e+02	1.592479e+03	1.609100e+03	1.559477e+03	1.748464e+03
##	40826	40827	40828	40829	40830
##	1.064794e+03	1.031578e+03	9.476705e+02	6.386570e+02	1.899545e+03
##	40831	40832	40833	40834	40835
##	4.637108e+02	1.354332e+03	1.676091e+03	1.872068e+02	6.318102e+02
##	40836	40837	40838	40839	40840
##	9.429340e+02	1.508226e+03	1.764624e+03	5.195441e+02	1.813031e+02
##	40841	40842	40843	40844	40845
##	5.524079e+02	6.072792e+02	1.930259e+03	1.969260e+03	8.667381e+02
##	40846	40847	40848	40849	40850
##	1.574844e+03	1.592901e+03	2.100521e+03	1.040699e+03	7.153653e+02
##	40851	40852	40853	40854	40855
##	5.778425e+02	7.578303e+02	7.507457e+02	3.569135e+02	1.095580e+03
##	40856	40857	40858	40859	40860
##	1.480813e+03	5.569367e+02	1.789808e+03	1.533685e+03	1.566591e+03
##	40861	40862	40863	40864	40865
##	1.558324e+03	-1.455589e+02	4.312060e+02	6.135474e+02	7.054145e+02
##	40866	40867	40868	40869	40870
##	7.979414e+02	7.779440e+02	8.672203e+02	7.881981e+02	7.320682e+02
##	40871	40872	40873	40874	40875
##	1.365286e+03	1.265679e+03	2.779657e+02	2.069356e+02	-2.625352e+03
##	40876	40877	40878	40879	40880
##	6.378476e+02	2.165516e+03	5.678976e+02	1.791244e+03	1.739990e+03
##	40881	40882	40883	40884	40885
##	5.550308e+02	1.797202e+03	1.790350e+03	1.852859e+03	2.231254e+02
##	40886	40887	40888	40889	40890
##	7.960418e+02	8.545844e+02	1.494705e+03	1.451321e+03	7.978585e+02
##	40891	40892	40893	40894	40895
##	4.514887e+02	1.814527e+03	4.716951e+02	6.049154e+02	1.758293e+03
##	40896	40897	40898	40899	40900
##	1.910319e+03	1.896585e+03	1.572658e+03	1.565297e+03	9.292593e+02
##	40901	40902	40903	40904	40905
##	1.592339e+03	6.513296e+02	1.001820e+03	1.623261e+03	9.853080e+02
##	40906	40907	40908	40909	40910
##	6.010632e+02	1.691512e+02	1.601715e+03	1.051436e+03	1.928777e+03
##	40911	40912	40913	40914	40915
##	1.608567e+03	1.838017e+03	1.921940e+03	1.919120e+03	1.956283e+03
##	40916	40917	40918	40919	40920
##	1.860150e+03	1.815550e+03	1.920734e+03	1.972080e+03	1.956295e+03
##	40921	40922	40923	40924	40925

##	7.516180e+02	-1.123925e+02	-2.323411e+01	-5.525648e+01	-4.534651e+01
##	40926	40927	40928	40929	40930
##	-4.438808e+01	1.712710e+01	-3.755701e+01	4.307360e+01	-2.508046e+01
##	40931	40932	40933	40934	40935
##	-5.165063e+01	-3.843358e+01	-3.260130e+01	7.870323e+00	6.399778e+02
##	40936	40937	40938	40939	40940
##	2.988285e+02	-2.140344e+03	8.820505e+02	9.293942e+02	-3.850081e+02
##	40941	40942	40943	40944	40945
##	4.020813e+02	-3.423010e+01	-4.383586e+01	-4.018885e+01	5.338412e+02
##	40946	40947	40948	40949	40950
##	4.455937e+02	-3.912789e+02	-3.960878e+02	-3.975998e+02	-3.654348e+02
##	40951	40952	40953	40954	40955
##	1.881752e+03	1.965063e+03	2.038627e+03	1.932215e+03	1.804055e+03
##	40956	40957	40958	40959	40960
##	1.928564e+03	1.954521e+03	1.936561e+03	1.781146e+03	1.763910e+03
##	40961	40962	40963	40964	40965
##	1.891338e+03	1.879429e+03	7.448156e+02	1.525626e+03	1.797924e+03
##	40966	40967	40968	40969	40970
##	1.175462e+03	6.267129e+02	4.518753e+02	4.795737e+02	1.321475e+03
##	40971	40972	40973	40974	40975
##	4.291363e+02	1.616550e+03	1.618263e+03	1.534665e+03	2.313692e+02
##	40976	40977	40978	40979	40980
##	-4.062826e+02	2.079531e+03	2.251809e+03	2.194422e+03	2.065483e+03
##	40981	40982	40983	40984	40985
##	4.236706e+02	2.276509e+02	2.673367e+02	4.434292e+02	1.306464e+02
##	40986	40987	40988	40989	40990
##	3.694205e+02	3.670399e+02	2.013477e+03	1.853159e+03	1.666438e+03
##	40991	40992	40993	40994	40995
##	1.692407e+03	1.631194e+03	1.580436e+03	1.703272e+02	3.322266e+02
##	40996	40997	40998	40999	41000
##	3.434687e+02	1.670514e+03	4.651334e+02	1.095183e+01	1.912582e+03
##	41001	41002	41003	41004	41005
##	2.072450e+03	1.969811e+03	2.005029e+03	1.933747e+03	8.299438e+02
##	41006	41007	41008	41009	41010
##	8.396003e+02	1.814209e+03	1.879196e+03	1.294353e+03	7.918419e+02
##	41011	41012	41013	41014	41015
##	2.148320e+03	2.371210e+03	4.661706e+02	1.894287e+03	1.805748e+03
##	41016	41017	41018	41019	41020
##	1.141143e+03	2.098596e+03	1.953084e+03	4.711377e+02	-2.851259e+03
##	41021	41022	41023	41024	41025
##	-2.838498e+03	2.063863e+03	9.804220e+02	9.288843e+02	9.555106e+02
##	41026	41027	41028	41029	41030
##	2.073957e+03	2.062785e+03	2.052444e+03	2.069621e+03	1.879172e+03
##	41031	41032	41033	41034	41035
##	1.697147e+03	1.671408e+03	2.088580e+03	2.024615e+03	2.040226e+03
##	41036	41037	41038	41039	41040
##	1.969181e+03	2.051139e+03	1.917914e+03	2.075316e+03	2.117239e+03
##	41041	41042	41043	41044	41045
##	2.063667e+03	2.031238e+03	1.596236e+03	2.047584e+03	1.491645e+03
##	41046	41047	41048	41049	41050
##	1.748773e+03	-9.975188e+01	2.577917e+02	7.628508e+02	3.604230e+02
##	41051	41052	41053	41054	41055
##	1.073598e+03	-2.516484e+03	1.125067e+03	8.157628e+02	1.822154e+03
##	41056	41057	41058	41059	41060

##	2.077489e+03	5.721844e+02	4.648919e+02	8.687852e+02	1.512068e+03
##	41061	41062	41063	41064	41065
##	1.426776e+03	5.415056e+02	1.301088e+03	-3.794284e+02	1.905568e+03
##	41066	41067	41068	41069	41070
##	1.378508e+03	5.891523e+02	5.510808e+02	4.913714e+02	8.001278e+02
##	41071	41072	41073	41074	41075
##	1.562223e+03	1.900981e+03	1.934259e+03	1.977440e+03	1.857492e+03
##	41076	41077	41078	41079	41080
##	1.870850e+03	1.887719e+03	1.814884e+03	1.973046e+03	1.982657e+03
##	41081	41082	41083	41084	41085
##	1.825159e+03	1.884589e+03	1.975253e+03	1.939168e+03	1.959120e+03
##	41086	41087	41088	41089	41090
##	1.973163e+03	1.984857e+03	1.820933e+03	1.948042e+03	1.957648e+03
##	41091	41092	41093	41094	41095
##	1.940734e+03	1.923299e+03	1.292771e+03	2.031889e+03	1.339454e+03
##	41096	41097	41098	41099	41100
##	7.108273e+02	7.863684e+02	8.437195e+02	2.047460e+03	2.175728e+03
##	41101	41102	41103	41104	41105
##	8.072192e+02	4.609375e+02	-8.119610e+01	1.767638e+03	1.640306e+03
##	41106	41107	41108	41109	41110
##	3.835895e+02	1.630137e+03	1.162258e+03	1.182732e+03	3.721639e+02
##	41111	41112	41113	41114	41115
##	6.196017e+02	3.835053e+02	1.131886e+03	1.098365e+03	6.229568e+02
##	41116	41117	41118	41119	41120
##	2.242711e+03	2.118264e+03	1.915047e+03	2.095827e+03	2.049517e+03
##	41121	41122	41123	41124	41125
##	7.656954e+02	4.380235e+02	1.454388e+03	1.347546e+03	1.347546e+03
##	41126	41127	41128	41129	41130
##	3.588648e+02	1.682952e+02	1.919838e+02	7.382127e+02	2.001522e+03
##	41131	41132	41133	41134	41135
##	2.029635e+03	1.997368e+03	2.311208e+03	9.857882e+02	8.228123e+02
##	41136	41137	41138	41139	41140
##	1.021290e+03	9.607843e+02	8.781945e+02	8.156859e+02	1.155759e+03
##	41141	41142	41143	41144	41145
##	9.350364e+02	1.016761e+03	1.077591e+03	1.171203e+03	1.034198e+03
##	41146	41147	41148	41149	41150
##	8.157810e+02	1.223015e+03	1.425786e+03	8.291567e+02	1.326863e+03
##	41151	41152	41153	41154	41155
##	9.969387e+02	1.461078e+03	1.617308e+03	1.927948e+03	1.756127e+03
##	41156	41157	41158	41159	41160
##	2.116593e+03	1.599151e+03	3.102128e+02	1.711623e+03	2.046042e+03
##	41161	41162	41163	41164	41165
##	1.841986e+03	2.085352e+03	1.940171e+03	5.287539e+02	1.773477e+03
##	41166	41167	41168	41169	41170
##	1.834753e+03	2.062337e+03	1.726414e+03	1.751324e+03	1.918726e+03
##	41171	41172	41173	41174	41175
##	2.074574e+03	1.636124e+03	1.772317e+03	1.632582e+03	1.705893e+03
##	41176	41177	41178	41179	41180
##	1.728143e+03	1.640557e+03	1.603954e+03	1.653611e+03	1.742471e+03
##	41181	41182	41183	41184	41185
##	1.656370e+03	1.659193e+03	1.590421e+03	1.750739e+03	1.809745e+03
##	41186	41187	41188	41189	41190
##	1.686521e+03	2.029030e+03	1.094815e+03	1.159233e+03	2.048269e+03
##	41191	41192	41193	41194	41195

##	2.043380e+03	-1.115291e+02	1.727052e+03	4.816307e+02	1.689465e+03
##	41196	41197	41198	41199	41200
##	5.440040e+02	1.262746e+03	3.705907e+02	6.996380e+02	1.735595e+03
##	41201	41202	41203	41204	41205
##	1.764894e+03	1.861938e+03	1.656078e+03	2.022881e+03	9.355299e+02
##	41206	41207	41208	41209	41210
##	9.592800e+02	9.512370e+02	4.338003e+02	4.991236e+02	5.254439e+02
##	41211	41212	41213	41214	41215
##	4.804657e+02	1.189371e+03	8.312686e+02	8.371552e+02	1.918993e+03
##	41216	41217	41218	41219	41220
##	1.938159e+03	1.969152e+03	-9.419709e+02	1.852200e+03	1.983860e+03
##	41221	41222	41223	41224	41225
##	1.827540e+03	2.006515e+03	2.007985e+03	1.918935e+03	1.869065e+03
##	41226	41227	41228	41229	41230
##	2.013093e+03	1.996750e+03	1.864519e+03	1.885673e+03	2.179454e+03
##	41231	41232	41233	41234	41235
##	2.030061e+03	2.043795e+03	2.036487e+03	2.077310e+03	1.546679e+03
##	41236	41237	41238	41239	41240
##	1.739485e+03	1.827843e+03	1.761940e+03	1.629327e+03	2.639242e+02
##	41241	41242	41243	41244	41245
##	-5.539948e+02	1.599280e+03	9.384353e+02	1.441907e+03	1.609852e+03
##	41246	41247	41248	41249	41250
##	1.044169e+03	1.726761e+03	6.927955e+00	4.252050e+02	1.148062e+03
##	41251	41252	41253	41254	41255
##	-2.567135e+02	-1.818685e+03	-1.765108e+02	-2.349856e+02	-1.539380e+01
##	41256	41257	41258	41259	41260
##	-2.198532e+02	-1.754544e+03	-2.730089e+02	-2.144983e+02	-1.498761e+02
##	41261	41262	41263	41264	41265
##	-1.776221e+03	-5.413947e+02	-5.225149e+01	2.582957e+02	-5.175595e+01
##	41266	41267	41268	41269	41270
##	-2.365147e+02	-2.216153e+02	-2.319249e+02	-2.404402e+02	-2.729383e+02
##	41271	41272	41273	41274	41275
##	-5.065893e+01	-8.091032e+02	3.233932e+02	-2.656362e+02	-4.822968e+02
##	41276	41277	41278	41279	41280
##	1.684648e+02	6.695017e+01	-3.306863e+03	2.333649e+02	7.323295e+02
##	41281	41282	41283	41284	41285
##	1.582680e+03	1.023625e+03	2.054298e+03	1.682041e+03	8.726781e+02
##	41286	41287	41288	41289	41290
##	2.159311e+03	2.287726e+03	2.300461e+03	7.952999e+02	1.324955e+03
##	41291	41292	41293	41294	41295
##	3.636719e+02	2.033458e+03	-9.693437e+02	4.643325e+02	1.820654e+03
##	41296	41297	41298	41299	41300
##	1.790781e+03	1.813346e+03	1.753135e+03	1.384462e+03	1.477212e+03
##	41301	41302	41303	41304	41305
##	1.859889e+03	2.124824e+03	9.184545e+02	6.559769e+02	7.112229e+02
##	41306	41307	41308	41309	41310
##	2.158602e+03	2.152905e+03	2.190339e+03	1.522114e+03	1.202643e+03
##	41311	41312	41313	41314	41315
##	1.691385e+03	1.087079e+03	2.072908e+03	8.551399e+02	2.059168e+03
##	41316	41317	41318	41319	41320
##	1.774795e+03	1.193716e+03	1.038736e+03	6.793769e+02	1.771126e+02
##	41321	41322	41323	41324	41325
##	9.221291e+02	9.221798e+02	5.129103e+02	4.851282e+02	8.065022e+02
##	41326	41327	41328	41329	41330

##	1.139765e+03	1.757936e+03	1.702421e+03	1.696491e+03	1.780967e+03
##	41331	41332	41333	41334	41335
##	1.585153e+03	7.752880e+02	1.101282e+03	1.201082e+03	1.959742e+03
##	41336	41337	41338	41339	41340
##	9.814014e+02	1.528787e+03	2.076040e+03	2.153363e+03	2.139533e+03
##	41341	41342	41343	41344	41345
##	2.141669e+03	1.745804e+03	1.754579e+03	1.233289e+03	1.433268e+03
##	41346	41347	41348	41349	41350
##	1.432842e+03	1.941705e+03	2.210139e+03	6.971045e+02	1.099085e+03
##	41351	41352	41353	41354	41355
##	9.700577e+02	1.175577e+03	7.199249e+02	4.603437e+02	5.461620e+02
##	41356	41357	41358	41359	41360
##	5.519072e+02	2.180160e+03	1.350396e+03	1.349842e+03	1.201435e+03
##	41361	41362	41363	41364	41365
##	1.146224e+03	7.203063e+02	6.194695e+02	4.453425e+02	2.773919e+02
##	41366	41367	41368	41369	41370
##	4.990753e+02	1.420117e+03	1.207987e+03	1.953432e+03	1.158620e+03
##	41371	41372	41373	41374	41375
##	9.907643e+02	1.228655e+03	1.105029e+03	1.132148e+03	1.122039e+03
##	41376	41377	41378	41379	41380
##	1.149821e+03	8.256009e+02	6.579500e+02	2.094042e+03	1.126660e+03
##	41381	41382	41383	41384	41385
##	8.367657e+02	6.180964e+02	2.017266e+03	1.989116e+03	2.051783e+03
##	41386	41387	41388	41389	41390
##	2.008345e+03	2.041397e+03	2.034185e+03	2.057008e+03	2.025264e+03
##	41391	41392	41393	41394	41395
##	1.891465e+03	1.219198e+03	1.942948e+03	1.307331e+03	7.650570e+02
##	41396	41397	41398	41399	41400
##	7.200777e+02	2.362544e+03	2.154678e+03	2.080475e+03	8.294211e+02
##	41401	41402	41403	41404	41405
##	1.520290e+03	1.590989e+03	9.868494e+02	1.037250e+03	3.536928e+02
##	41406	41407	41408	41409	41410
##	1.758297e+03	1.298406e+03	1.939888e+03	1.513954e+03	7.801992e+02
##	41411	41412	41413	41414	41415
##	9.858024e+02	1.640779e+03	6.430984e+02	7.719293e+02	1.777790e+03
##	41416	41417	41418	41419	41420
##	1.510310e+03	7.902060e+02	1.244445e+03	1.429602e+03	5.339024e+02
##	41421	41422	41423	41424	41425
##	9.020995e+02	1.432646e+03	1.709976e+03	-4.439211e+01	1.013790e+03
##	41426	41427	41428	41429	41430
##	5.383838e+02	3.876961e+02	5.054706e+02	5.615985e+02	5.659723e+02
##	41431	41432	41433	41434	41435
##	1.732132e+03	3.563814e+02	5.681460e+02	1.807923e+03	9.001169e+02
##	41436	41437	41438	41439	41440
##	1.681290e+03	6.036775e+02	6.877186e+00	1.751143e+03	1.660969e+03
##	41441	41442	41443	41444	41445
##	1.091412e+03	8.141234e+02	2.029675e+03	1.907340e+03	7.326886e+02
##	41446	41447	41448	41449	41450
##	7.325035e+02	7.060801e+02	2.074031e+03	2.082805e+03	2.098162e+03
##	41451	41452	41453	41454	41455
##	2.095809e+03	2.070278e+03	2.090904e+03	2.149198e+03	5.633025e+02
##	41456	41457	41458	41459	41460
##	2.570925e+02	5.877147e+02	1.799272e+03	1.043659e+03	1.037687e+03
##	41461	41462	41463	41464	41465

##	1.718448e+03	1.807660e+03	1.837578e+03	1.833972e+03	1.777368e+03
##	41466	41467	41468	41469	41470
##	1.735529e+03	1.691881e+03	1.733966e+03	1.898605e+03	1.817047e+03
##	41471	41472	41473	41474	41475
##	1.823569e+03	1.849217e+03	1.795577e+03	1.791875e+03	1.470521e+03
##	41476	41477	41478	41479	41480
##	1.281569e+03	1.095446e+03	1.954437e+03	1.888412e+02	2.319333e+02
##	41481	41482	41483	41484	41485
##	1.205705e+03	1.861758e+03	2.097519e+03	1.932790e+03	1.943659e+03
##	41486	41487	41488	41489	41490
##	1.747012e+03	2.003984e+03	8.942391e+02	6.445658e+02	1.559448e+03
##	41491	41492	41493	41494	41495
##	1.381612e+03	1.193346e+03	4.236077e+02	2.003092e+03	-6.510740e+02
##	41496	41497	41498	41499	41500
##	1.920206e+03	2.025147e+03	2.125171e+03	7.126793e+02	3.407977e+02
##	41501	41502	41503	41504	41505
##	1.291110e+03	9.216335e+02	1.107428e+03	7.041773e+02	1.592610e+03
##	41506	41507	41508	41509	41510
##	9.816924e+02	-1.263492e+03	8.847585e+02	3.370263e+02	8.981565e+02
##	41511	41512	41513	41514	41515
##	2.122628e+03	1.934473e+03	2.059087e+03	2.092560e+03	2.141682e+03
##	41516	41517	41518	41519	41520
##	2.142205e+03	2.113900e+03	2.132710e+03	9.832171e+02	1.347132e+03
##	41521	41522	41523	41524	41525
##	1.749686e+03	7.504055e+02	1.881159e+03	1.829614e+03	1.900376e+03
##	41526	41527	41528	41529	41530
##	1.795193e+03	1.871143e+03	1.817659e+03	1.891404e+03	1.877670e+03
##	41531	41532	41533	41534	41535
##	1.934163e+03	1.730253e+03	1.578031e+03	1.895847e+03	1.895223e+03
##	41536	41537	41538	41539	41540
##	1.898763e+03	1.848893e+03	1.915568e+03	1.987733e+03	1.820680e+03
##	41541	41542	41543	41544	41545
##	1.934527e+03	1.773519e+03	1.321922e+03	1.964117e+02	1.301088e+03
##	41546	41547	41548	41549	41550
##	1.547430e+03	1.426776e+03	-2.397812e+02	-2.059751e+03	1.908419e+03
##	41551	41552	41553	41554	41555
##	1.883240e+03	1.058875e+03	8.938045e+02	1.976896e+03	9.571241e+02
##	41556	41557	41558	41559	41560
##	1.031327e+03	1.135277e+03	1.336271e+03	1.552367e+03	1.532164e+03
##	41561	41562	41563	41564	41565
##	1.272356e+03	1.173592e+03	1.283069e+03	4.842221e+02	1.277188e+03
##	41566	41567	41568	41569	41570
##	1.486486e+03	1.222591e+03	1.551593e+03	2.268158e+03	8.121019e+02
##	41571	41572	41573	41574	41575
##	1.784122e+03	2.275762e+03	1.028556e+03	1.458022e+03	1.479054e+03
##	41576	41577	41578	41579	41580
##	4.969296e+02	7.849153e+02	1.332670e+03	1.160660e+03	1.807921e+03
##	41581	41582	41583	41584	41585
##	6.024924e+02	6.474293e+02	6.411258e+02	-1.302792e+03	-1.356765e+03
##	41586	41587	41588	41589	41590
##	-9.004773e+02	-6.997630e+02	-7.582057e+02	-3.483541e+01	-2.134508e+03
##	41591	41592	41593	41594	41595
##	-1.715149e+03	1.246076e+02	2.041986e+02	1.357091e+02	4.096785e+02
##	41596	41597	41598	41599	41600

##	-4.821098e+02	-2.086314e+03	-2.078416e+03	-1.153636e+03	-1.639561e+03
##	41601	41602	41603	41604	41605
##	2.738240e+02	4.399313e+02	-9.495445e+02	-8.812269e+02	-1.450569e+03
##	41606	41607	41608	41609	41610
##	-1.609903e+03	-1.072025e+03	-1.517585e+03	-1.544059e+03	-1.871624e+03
##	41611	41612	41613	41614	41615
##	7.019177e+02	7.111691e+02	7.179549e+02	2.922587e+02	6.217258e+02
##	41616	41617	41618	41619	41620
##	6.692608e+02	6.371530e+02	6.762822e+02	7.171952e+02	8.315849e+02
##	41621	41622	41623	41624	41625
##	7.048147e+02	1.383991e+02	-5.276368e+02	2.279195e+02	2.587800e+02
##	41626	41627	41628	41629	41630
##	4.566159e+02	5.772607e+02	4.929962e+02	6.030504e+02	4.552222e+02
##	41631	41632	41633	41634	41635
##	-1.692333e+03	-1.744950e+03	-9.321204e+02	-1.511191e+03	-1.446430e+03
##	41636	41637	41638	41639	41640
##	-1.615257e+03	-1.470927e+03	-1.548121e+03	-1.574595e+03	-1.067200e+03
##	41641	41642	41643	41644	41645
##	1.534144e+03	1.924902e+03	1.941293e+03	1.924380e+03	1.931688e+03
##	41646	41647	41648	41649	41650
##	1.941816e+03	1.888507e+03	2.921591e+02	1.968340e+03	1.309606e+03
##	41651	41652	41653	41654	41655
##	5.356068e+02	1.946207e+03	1.262067e+03	1.197682e+03	1.242247e+03
##	41656	41657	41658	41659	41660
##	1.032733e+03	6.821354e+02	6.727425e+02	1.204058e+03	1.016537e+03
##	41661	41662	41663	41664	41665
##	6.582735e+02	9.500320e+02	2.095331e+03	2.092888e+03	3.489445e+02
##	41666	41667	41668	41669	41670
##	1.276290e+03	1.748773e+03	6.850492e+02	7.043622e+02	1.900365e+03
##	41671	41672	41673	41674	41675
##	1.045191e+03	9.958430e+02	5.242716e+02	1.848065e+03	1.815849e+03
##	41676	41677	41678	41679	41680
##	1.835538e+03	1.815849e+03	4.273975e+02	4.206118e+02	7.492575e+02
##	41681	41682	41683	41684	41685
##	9.136051e+02	8.592640e+02	9.724924e+02	7.311130e+02	6.332881e+02
##	41686	41687	41688	41689	41690
##	3.552101e+02	4.217030e+02	3.724853e+02	3.251962e+02	3.942776e+02
##	41691	41692	41693	41694	41695
##	5.004749e+02	6.125481e+02	1.090006e+03	1.140749e+03	1.321475e+03
##	41696	41697	41698	41699	41700
##	1.562546e+03	1.371264e+03	1.377393e+03	1.569952e+03	1.894200e+03
##	41701	41702	41703	41704	41705
##	2.153145e+03	1.055459e+03	9.526886e+02	5.334705e+02	8.100240e+02
##	41706	41707	41708	41709	41710
##	5.878735e+02	5.126282e+02	5.211581e+02	1.050168e+03	3.675825e+02
##	41711	41712	41713	41714	41715
##	1.545528e+03	9.962705e+02	1.174065e+03	9.392730e+02	1.151095e+03
##	41716	41717	41718	41719	41720
##	1.756219e+03	1.819671e+03	1.898274e+03	1.948879e+03	1.908665e+03
##	41721	41722	41723	41724	41725
##	2.019868e+03	4.521707e+02	5.242850e+02	1.666611e+03	1.671829e+03
##	41726	41727	41728	41729	41730
##	1.651051e+03	2.047865e+03	1.868994e+03	2.043421e+03	2.022952e+03
##	41731	41732	41733	41734	41735

##	2.039085e+03	2.022070e+03	2.001550e+03	2.024417e+03	1.877199e+03
##	41736	41737	41738	41739	41740
##	2.020603e+03	1.994079e+03	1.980345e+03	2.056166e+03	2.017048e+03
##	41741	41742	41743	41744	41745
##	2.034601e+03	6.465475e+02	5.570900e+02	1.249955e+03	9.481191e+02
##	41746	41747	41748	41749	41750
##	1.231525e+03	1.019094e+03	1.035815e+03	1.082029e+03	1.062172e+03
##	41751	41752	41753	41754	41755
##	1.176178e+03	1.375490e+03	1.444796e+03	1.595032e+03	8.012153e+02
##	41756	41757	41758	41759	41760
##	1.009896e+03	1.177454e+03	1.560047e+03	1.813364e+03	2.072548e+03
##	41761	41762	41763	41764	41765
##	2.150539e+03	1.883719e+03	1.923959e+03	1.945026e+03	6.748650e+02
##	41766	41767	41768	41769	41770
##	8.402842e+02	9.207308e+02	1.844334e+03	1.785967e+03	8.040133e+02
##	41771	41772	41773	41774	41775
##	8.312225e+02	8.114381e+02	1.370348e+03	1.010386e+01	1.641159e+03
##	41776	41777	41778	41779	41780
##	1.471214e+03	1.526143e+03	9.965524e+02	1.797027e+03	1.848005e+03
##	41781	41782	41783	41784	41785
##	1.053909e+03	1.169276e+03	9.538387e+02	8.475494e+02	9.011741e+02
##	41786	41787	41788	41789	41790
##	1.212113e+03	1.083800e+03	2.205559e+03	1.831142e+03	1.170170e+03
##	41791	41792	41793	41794	41795
##	1.859162e+03	1.913657e+03	6.873691e+02	1.163501e+03	1.161544e+03
##	41796	41797	41798	41799	41800
##	1.176489e+03	1.386202e+03	1.056812e+03	1.056812e+03	1.495373e+03
##	41801	41802	41803	41804	41805
##	1.260986e+03	1.177958e+03	1.203849e+03	1.147143e+03	1.500957e+03
##	41806	41807	41808	41809	41810
##	1.139944e+03	1.216094e+03	1.531640e+03	5.262745e+02	1.511521e+03
##	41811	41812	41813	41814	41815
##	4.975286e+02	7.694852e+02	6.384612e+02	6.183493e+02	2.116523e+03
##	41816	41817	41818	41819	41820
##	2.090099e+03	2.120179e+03	1.942993e+03	2.089430e+03	1.001188e+03
##	41821	41822	41823	41824	41825
##	-1.097205e+03	6.470504e+02	6.812739e+02	6.170176e+02	1.245100e+03
##	41826	41827	41828	41829	41830
##	1.676443e+03	1.952438e+03	2.200690e+03	1.705721e+03	9.755415e+02
##	41831	41832	41833	41834	41835
##	1.595549e+03	1.864800e+03	2.031452e+03	1.118804e+03	7.115510e+02
##	41836	41837	41838	41839	41840
##	6.754496e+02	2.077549e+03	2.201997e+03	1.429554e+03	2.436564e+02
##	41841	41842	41843	41844	41845
##	1.267108e+03	1.618278e+03	1.999098e+03	1.987189e+03	1.753773e+03
##	41846	41847	41848	41849	41850
##	2.244437e+03	1.516911e+03	1.366856e+03	1.254469e+03	9.128085e+02
##	41851	41852	41853	41854	41855
##	1.375169e+03	1.288388e+03	1.855883e+03	1.733165e+03	-1.473966e+03
##	41856	41857	41858	41859	41860
##	1.950367e+03	-1.717816e+03	8.123911e+02	2.020410e+03	8.044597e+02
##	41861	41862	41863	41864	41865
##	4.947505e+02	1.766662e+03	3.943270e+02	2.102499e+03	2.091046e+03
##	41866	41867	41868	41869	41870

##	1.706270e+03	1.811450e+03	1.955175e+03	2.005327e+03	1.732762e+03
##	41871	41872	41873	41874	41875
##	1.695878e+03	1.710609e+03	2.041980e+03	1.839578e+03	1.399604e+03
##	41876	41877	41878	41879	41880
##	1.983565e+03	9.232510e+02	9.311028e+02	1.324955e+03	1.672609e+03
##	41881	41882	41883	41884	41885
##	1.600430e+03	9.094367e+02	1.366587e+03	9.324872e+02	1.112062e+03
##	41886	41887	41888	41889	41890
##	1.118112e+03	1.457472e+03	2.171766e+03	2.187854e+03	2.182062e+03
##	41891	41892	41893	41894	41895
##	2.154807e+03	2.144725e+03	1.428591e+03	1.064684e+03	7.483052e+02
##	41896	41897	41898	41899	41900
##	9.123979e+02	1.558260e+03	2.268845e+03	1.110190e+03	1.724271e+03
##	41901	41902	41903	41904	41905
##	2.424426e+02	4.801027e+02	1.433773e+03	1.410657e+03	1.092770e+03
##	41906	41907	41908	41909	41910
##	1.135692e+03	1.142245e+03	2.195470e+03	2.151939e+03	2.312252e+03
##	41911	41912	41913	41914	41915
##	1.788987e+03	1.813243e+03	1.983379e+03	5.352114e+02	1.102473e+03
##	41916	41917	41918	41919	41920
##	1.208596e+03	1.150341e+03	9.027970e+02	1.215744e+03	1.702393e+03
##	41921	41922	41923	41924	41925
##	1.561590e+03	6.325299e+02	1.772574e+03	3.681686e+02	1.896480e+03
##	41926	41927	41928	41929	41930
##	1.976003e+03	1.864673e+03	2.086536e+03	1.992040e+03	1.998040e+03
##	41931	41932	41933	41934	41935
##	2.039886e+03	2.074768e+03	2.158079e+03	1.834638e+03	2.060681e+03
##	41936	41937	41938	41939	41940
##	1.861003e+03	2.182256e+03	2.059895e+03	2.059424e+03	1.990783e+03
##	41941	41942	41943	41944	41945
##	9.474455e+02	2.757060e+02	7.753805e+02	3.379281e+02	-5.493653e+02
##	41946	41947	41948	41949	41950
##	-5.148930e+02	-7.682031e+02	1.059130e+03	-7.262194e+02	7.307622e+02
##	41951	41952	41953	41954	41955
##	6.657236e+02	6.015434e+02	6.378418e+02	6.606609e+02	7.425542e+02
##	41956	41957	41958	41959	41960
##	6.376195e+02	6.620314e+02	6.573132e+02	7.235048e+02	7.347640e+02
##	41961	41962	41963	41964	41965
##	6.478715e+02	6.679234e+02	7.358082e+02	7.941208e+02	7.677881e+02
##	41966	41967	41968	41969	41970
##	7.259441e+02	7.625969e+02	6.612228e+02	7.135637e+02	6.899096e+02
##	41971	41972	41973	41974	41975
##	2.187475e+03	1.904460e+03	2.185385e+03	1.555872e+03	1.345234e+03
##	41976	41977	41978	41979	41980
##	7.015321e+02	7.373046e+02	7.572266e+02	7.270505e+02	8.061481e+02
##	41981	41982	41983	41984	41985
##	7.773654e+02	7.433858e+02	5.850435e+02	8.710298e+02	7.687040e+02
##	41986	41987	41988	41989	41990
##	6.676468e+02	1.952021e+03	1.878220e+03	1.838529e+03	1.955621e+03
##	41991	41992	41993	41994	41995
##	1.801829e+03	1.834780e+03	1.831843e+03	1.977449e+03	1.879523e+03
##	41996	41997	41998	41999	42000
##	1.963502e+03	2.019882e+03	2.016129e+03	1.976393e+03	2.013258e+03
##	42001	42002	42003	42004	42005

##	1.174679e+03	1.356207e+03	9.363712e+02	8.936928e+02	4.026639e+02
##	42006	42007	42008	42009	42010
##	1.170936e+03	1.119129e+03	5.743793e+02	4.171956e+02	1.171433e+03
##	42011	42012	42013	42014	42015
##	4.411590e+02	3.291706e+02	1.273962e+03	1.883917e+03	1.094707e+03
##	42016	42017	42018	42019	42020
##	1.097545e+03	8.042263e+02	1.301550e+03	1.456526e+03	1.214788e+03
##	42021	42022	42023	42024	42025
##	1.538758e+03	1.364042e+03	1.291253e+03	1.190953e+03	1.210018e+03
##	42026	42027	42028	42029	42030
##	1.342604e+03	1.883735e+03	1.850830e+03	1.878612e+03	1.780589e+03
##	42031	42032	42033	42034	42035
##	1.399435e+03	1.282480e+03	1.550567e+03	1.062903e+03	1.239711e+03
##	42036	42037	42038	42039	42040
##	1.337499e+03	1.441993e+03	8.642107e+02	9.966478e+02	9.110290e+02
##	42041	42042	42043	42044	42045
##	8.832468e+02	9.174550e+02	1.804505e+03	4.087789e+02	4.185015e+02
##	42046	42047	42048	42049	42050
##	5.451784e+02	1.105769e+03	8.042031e+02	8.782262e+02	2.141692e+03
##	42051	42052	42053	42054	42055
##	1.790126e+03	1.526003e+03	6.057815e+02	9.497612e+02	2.094208e+03
##	42056	42057	42058	42059	42060
##	2.053747e+03	1.298624e+03	1.190268e+03	1.016549e+03	1.169845e+03
##	42061	42062	42063	42064	42065
##	1.273795e+03	1.309329e+03	1.600086e+03	1.173919e+03	1.818059e+03
##	42066	42067	42068	42069	42070
##	1.950236e+03	1.320252e+03	1.124232e+03	1.589319e+03	1.504700e+03
##	42071	42072	42073	42074	42075
##	1.832967e+03	7.749768e+02	7.680950e+02	1.107123e+03	1.082869e+03
##	42076	42077	42078	42079	42080
##	1.796102e+03	1.856404e+03	1.607246e+03	4.590605e+02	1.596116e+03
##	42081	42082	42083	42084	42085
##	1.381347e+03	1.238922e+03	1.276310e+03	8.868939e+02	7.511271e+02
##	42086	42087	42088	42089	42090
##	1.734221e+03	1.725447e+03	2.102469e+03	2.119176e+03	2.100954e+03
##	42091	42092	42093	42094	42095
##	8.374045e+02	-1.685172e+03	1.654568e+03	1.473778e+03	1.580813e+03
##	42096	42097	42098	42099	42100
##	2.158752e+03	2.255015e+03	2.261587e+03	2.181415e+03	2.274069e+03
##	42101	42102	42103	42104	42105
##	1.318025e+03	1.391809e+03	1.087738e+03	1.090249e+03	-1.167313e+03
##	42106	42107	42108	42109	42110
##	1.488877e+03	2.122592e+03	8.480749e+02	5.122259e+02	1.901109e+03
##	42111	42112	42113	42114	42115
##	1.887846e+03	1.901109e+03	1.868112e+03	8.892788e+02	6.286458e+02
##	42116	42117	42118	42119	42120
##	2.000785e+03	1.407988e+03	1.050280e+03	1.179185e+03	1.207432e+03
##	42121	42122	42123	42124	42125
##	1.687900e+03	2.221601e+03	1.452536e+03	1.265315e+03	8.683561e+02
##	42126	42127	42128	42129	42130
##	4.804334e+02	2.063505e+03	1.822912e+03	1.687586e+03	9.700230e+02
##	42131	42132	42133	42134	42135
##	9.470258e+02	5.656261e+02	1.505882e+03	1.439911e+03	5.340506e+02
##	42136	42137	42138	42139	42140

##	6.552567e+02	2.329393e+03	3.134341e+02	1.186526e+03	1.368330e+03
##	42141	42142	42143	42144	42145
##	4.964905e+02	8.896261e+02	1.177053e+03	1.322978e+03	1.197585e+03
##	42146	42147	42148	42149	42150
##	1.186013e+03	1.088300e+03	1.128107e+03	1.310265e+03	1.316561e+03
##	42151	42152	42153	42154	42155
##	1.496545e+03	1.112060e+03	1.213572e+03	1.400428e+03	1.830104e+03
##	42156	42157	42158	42159	42160
##	1.237109e+03	1.470355e+03	1.415449e+03	1.461592e+03	1.426210e+03
##	42161	42162	42163	42164	42165
##	2.018285e+03	1.170553e+03	1.409257e+03	1.631507e+03	1.510091e+03
##	42166	42167	42168	42169	42170
##	1.587728e+03	1.368827e+03	1.813211e+03	9.935341e+02	2.134179e+03
##	42171	42172	42173	42174	42175
##	1.179220e+03	1.224965e+03	1.281654e+03	7.334676e+02	4.963724e+02
##	42176	42177	42178	42179	42180
##	1.187206e+03	1.363035e+03	2.302037e+03	7.749711e+02	9.804347e+02
##	42181	42182	42183	42184	42185
##	9.398616e+02	1.028844e+03	9.291286e+02	1.001229e+03	8.476584e+02
##	42186	42187	42188	42189	42190
##	1.143005e+03	9.805757e+02	7.547088e+02	9.757883e+02	1.130048e+03
##	42191	42192	42193	42194	42195
##	1.227841e+03	7.510493e+02	1.283590e+03	3.752636e+02	1.871294e+03
##	42196	42197	42198	42199	42200
##	4.567123e+02	1.988474e+03	1.636512e+03	1.610184e+03	1.455070e+03
##	42201	42202	42203	42204	42205
##	4.463855e+02	1.197860e+03	1.594182e+03	1.504078e+03	1.321375e+03
##	42206	42207	42208	42209	42210
##	1.165027e+03	7.559276e+02	1.355700e+03	1.133126e+03	6.763532e+02
##	42211	42212	42213	42214	42215
##	8.705261e+02	7.223924e+02	1.051727e+03	2.035032e+03	2.090425e+03
##	42216	42217	42218	42219	42220
##	2.219025e+03	2.282197e+03	2.276881e+03	2.239590e+03	2.275624e+03
##	42221	42222	42223	42224	42225
##	2.256458e+03	1.887674e+03	2.056804e+03	1.841400e+03	5.941684e+02
##	42226	42227	42228	42229	42230
##	1.741659e+03	1.938305e+03	1.927437e+03	1.963269e+03	2.129712e+03
##	42231	42232	42233	42234	42235
##	1.408939e+03	2.057298e+03	1.539573e+03	1.960722e+03	1.589722e+03
##	42236	42237	42238	42239	42240
##	9.723094e+02	6.085799e+02	1.345557e+03	1.194690e+03	1.424649e+03
##	42241	42242	42243	42244	42245
##	1.440689e+03	4.461876e+02	8.546983e+02	8.069695e+02	8.575690e+02
##	42246	42247	42248	42249	42250
##	1.252122e+03	1.280944e+03	1.237764e+03	1.152257e+03	2.277951e+03
##	42251	42252	42253	42254	42255
##	2.014968e+03	1.331332e+03	1.222426e+03	1.765959e+03	1.107925e+03
##	42256	42257	42258	42259	42260
##	5.338253e+02	7.070722e+02	1.905230e+03	1.186635e+03	1.567805e+03
##	42261	42262	42263	42264	42265
##	1.899788e+03	1.971546e+03	1.316596e+03	1.873401e+03	2.041666e+03
##	42266	42267	42268	42269	42270
##	2.038729e+03	2.091995e+03	2.092092e+03	1.697118e+03	1.680466e+03
##	42271	42272	42273	42274	42275

##	6.171906e+02	7.572097e+02	7.398138e+02	7.559808e+02	7.129682e+02
##	42276	42277	42278	42279	42280
##	6.359117e+02	8.970842e+02	6.590613e+02	-2.709949e+02	8.459380e+02
##	42281	42282	42283	42284	42285
##	-7.823250e+02	-7.829433e+02	-8.210681e+02	-8.724935e+02	-8.335119e+02
##	42286	42287	42288	42289	42290
##	-8.395625e+02	3.711297e+02	6.152813e+02	5.211959e+02	-1.490235e+02
##	42291	42292	42293	42294	42295
##	-1.221840e+02	-1.699855e+02	-4.733535e+02	-4.158438e+02	-8.423033e+02
##	42296	42297	42298	42299	42300
##	-1.894627e+02	-3.828788e+02	-1.570163e+01	-1.895404e+02	-1.520123e+02
##	42301	42302	42303	42304	42305
##	3.971790e+02	2.073185e+03	2.090789e+03	2.070954e+03	1.276009e+03
##	42306	42307	42308	42309	42310
##	9.050435e+02	2.127716e+03	2.004708e+03	2.054477e+03	2.067121e+03
##	42311	42312	42313	42314	42315
##	2.011920e+03	2.098703e+03	1.954207e+03	1.911027e+03	2.010663e+03
##	42316	42317	42318	42319	42320
##	2.143018e+03	2.062095e+03	1.894304e+03	2.076772e+03	2.217650e+03
##	42321	42322	42323	42324	42325
##	2.236913e+03	2.074525e+03	2.010586e+03	2.250028e+03	2.023778e+03
##	42326	42327	42328	42329	42330
##	1.991322e+03	2.069307e+03	1.501265e+03	2.024351e+03	9.743949e+02
##	42331	42332	42333	42334	42335
##	9.310631e+02	2.058058e+03	2.113435e+03	2.120793e+03	1.177737e+03
##	42336	42337	42338	42339	42340
##	1.478161e+03	7.905538e+02	1.869829e+03	1.420890e+03	-7.889872e+02
##	42341	42342	42343	42344	42345
##	1.475240e+03	1.777387e+03	8.439746e+02	1.926061e+03	1.660917e+03
##	42346	42347	42348	42349	42350
##	9.503244e+02	6.091196e+02	3.774467e+02	1.900322e+03	1.962757e+03
##	42351	42352	42353	42354	42355
##	1.907663e+03	1.923229e+03	1.513574e+03	1.812548e+03	2.239413e+03
##	42356	42357	42358	42359	42360
##	9.614977e+02	1.193622e+03	9.466664e+02	1.114691e+03	1.540174e+03
##	42361	42362	42363	42364	42365
##	1.222526e+03	1.345362e+03	1.288663e+03	1.742434e+03	1.480983e+03
##	42366	42367	42368	42369	42370
##	1.861948e+03	1.373166e+03	1.308148e+03	1.157054e+03	1.530200e+03
##	42371	42372	42373	42374	42375
##	7.668080e+02	1.374041e+03	1.112656e+03	1.395299e+03	2.353601e+03
##	42376	42377	42378	42379	42380
##	1.782828e+03	2.120002e+03	2.077373e+03	1.376199e+03	1.175824e+03
##	42381	42382	42383	42384	42385
##	-1.012118e+01	1.090967e+03	3.917946e+02	6.170975e+02	2.164941e+03
##	42386	42387	42388	42389	42390
##	1.319816e+03	1.112338e+03	7.122521e+02	8.622384e+02	1.216987e+03
##	42391	42392	42393	42394	42395
##	8.753303e+02	2.232706e+03	1.717536e+03	2.055194e+03	6.713143e+02
##	42396	42397	42398	42399	42400
##	1.378864e+03	1.488254e+03	1.346392e+03	1.364091e+03	1.100053e+03
##	42401	42402	42403	42404	42405
##	2.215024e+03	9.921100e+02	1.451913e+03	1.405244e+03	1.580130e+03
##	42406	42407	42408	42409	42410

##	1.096731e+03	1.114505e+03	1.117862e+03	1.389291e+03	2.180332e+03
##	42411	42412	42413	42414	42415
##	1.921902e+03	1.555872e+03	1.708180e+03	1.709070e+03	1.220788e+03
##	42416	42417	42418	42419	42420
##	1.225222e+03	1.624396e+03	6.115744e+02	1.510645e+03	1.973842e+03
##	42421	42422	42423	42424	42425
##	1.069139e+03	1.071075e+03	9.602282e+02	1.234214e+03	1.091503e+03
##	42426	42427	42428	42429	42430
##	1.314614e+03	1.109106e+03	1.364618e+03	2.242354e+03	8.528176e+02
##	42431	42432	42433	42434	42435
##	2.306573e+03	1.439005e+03	1.495556e+03	2.008316e+03	9.108572e+02
##	42436	42437	42438	42439	42440
##	9.360932e+02	9.122767e+02	8.519538e+02	1.481675e+03	1.775278e+03
##	42441	42442	42443	42444	42445
##	1.060932e+03	1.453166e+03	1.332514e+03	1.038272e+03	1.462454e+03
##	42446	42447	42448	42449	42450
##	9.414031e+02	1.687388e+03	6.997203e+02	9.544640e+02	1.574863e+03
##	42451	42452	42453	42454	42455
##	1.106408e+03	1.127557e+03	1.423477e+03	1.422124e+03	1.128343e+03
##	42456	42457	42458	42459	42460
##	1.689673e+03	1.356200e+03	1.524548e+03	1.302845e+03	1.124692e+03
##	42461	42462	42463	42464	42465
##	1.248120e+03	1.827185e+03	1.269934e+03	1.132882e+03	1.221372e+03
##	42466	42467	42468	42469	42470
##	1.464254e+03	1.278405e+03	1.543754e+03	1.363368e+03	1.159404e+03
##	42471	42472	42473	42474	42475
##	9.355710e+02	1.008402e+03	1.000662e+03	1.364292e+03	1.315259e+03
##	42476	42477	42478	42479	42480
##	1.442034e+03	1.452569e+03	1.441512e+03	2.328409e+03	2.324803e+03
##	42481	42482	42483	42484	42485
##	2.324170e+03	2.353530e+03	1.755046e+03	1.997270e+03	7.767546e+02
##	42486	42487	42488	42489	42490
##	6.023836e+02	2.004987e+03	1.093724e+03	1.341971e+03	1.754189e+03
##	42491	42492	42493	42494	42495
##	2.228130e+03	9.143313e+02	1.651220e+03	1.688913e+03	1.775356e+03
##	42496	42497	42498	42499	42500
##	1.359768e+03	1.481978e+03	1.467037e+03	8.459708e+02	6.116572e+02
##	42501	42502	42503	42504	42505
##	8.594021e+02	8.972576e+02	1.836944e+03	1.439637e+03	1.410916e+03
##	42506	42507	42508	42509	42510
##	1.248322e+03	1.484996e+03	1.427260e+03	1.437386e+03	1.288984e+03
##	42511	42512	42513	42514	42515
##	1.623107e+03	1.421393e+03	1.571065e+03	1.714116e+03	1.645273e+03
##	42516	42517	42518	42519	42520
##	1.973457e+03	2.002706e+03	9.846415e+02	6.331339e+02	6.661354e+02
##	42521	42522	42523	42524	42525
##	6.358072e+02	2.054890e+03	1.998351e+03	1.884103e+03	1.844316e+03
##	42526	42527	42528	42529	42530
##	1.804102e+03	1.967504e+03	1.970426e+03	1.876007e+03	1.945467e+03
##	42531	42532	42533	42534	42535
##	1.865943e+03	1.961504e+03	2.089772e+03	2.156939e+03	2.076358e+03
##	42536	42537	42538	42539	42540
##	2.009001e+03	2.151720e+03	2.165027e+03	2.137722e+03	2.019966e+03
##	42541	42542	42543	42544	42545

##	1.834764e+03	1.559053e+03	1.965647e+03	1.509671e+03	5.125011e+02
##	42546	42547	42548	42549	42550
##	8.024907e+02	-1.114958e+03	-1.092528e+03	1.062773e+03	1.312626e+03
##	42551	42552	42553	42554	42555
##	1.371757e+03	1.526248e+03	1.915766e+03	1.850992e+03	2.064115e+03
##	42556	42557	42558	42559	42560
##	2.124603e+03	2.306089e+03	2.115088e+03	2.355077e+03	2.286092e+03
##	42561	42562	42563	42564	42565
##	2.344994e+03	2.333822e+03	1.351291e+03	1.951796e+03	1.472648e+03
##	42566	42567	42568	42569	42570
##	2.178728e+03	1.176073e+03	1.703605e+03	1.853199e+03	1.820294e+03
##	42571	42572	42573	42574	42575
##	1.837897e+03	1.739875e+03	1.084463e+03	1.036692e+03	9.141440e+02
##	42576	42577	42578	42579	42580
##	1.233418e+03	1.512700e+03	1.188596e+03	1.082010e+03	1.241979e+03
##	42581	42582	42583	42584	42585
##	1.363794e+03	9.652108e+02	1.412105e+03	1.599007e+03	2.177761e+03
##	42586	42587	42588	42589	42590
##	1.507245e+03	1.916138e+03	1.902831e+03	1.817746e+03	1.511806e+03
##	42591	42592	42593	42594	42595
##	8.174210e+02	1.327116e+03	1.325702e+03	1.350620e+03	1.848707e+03
##	42596	42597	42598	42599	42600
##	1.423690e+03	1.383903e+03	1.343990e+03	1.410252e+03	1.208878e+03
##	42601	42602	42603	42604	42605
##	-9.365319e+01	-2.062104e+02	-4.965737e+02	-2.442877e+02	-2.778397e+02
##	42606	42607	42608	42609	42610
##	-1.433726e+02	-3.455433e+02	-6.388057e+02	-1.707453e+02	-3.306126e+02
##	42611	42612	42613	42614	42615
##	-3.878272e+01	-1.747844e+02	-4.393376e+02	-2.638745e+02	-2.900224e+02
##	42616	42617	42618	42619	42620
##	-6.814314e+02	-2.609325e+01	-3.689939e+02	-1.740480e+02	-4.891607e+01
##	42621	42622	42623	42624	42625
##	-2.533227e+02	-2.100331e+02	1.249598e+02	-1.419738e+02	-2.052080e+02
##	42626	42627	42628	42629	42630
##	-4.048704e+02	-1.353839e+02	-1.844355e+02	9.682965e+00	-3.799686e+01
##	42631	42632	42633	42634	42635
##	7.016155e+02	1.399686e+03	1.208883e+03	1.216537e+03	1.202508e+03
##	42636	42637	42638	42639	42640
##	1.102046e+03	1.002197e+03	6.320277e+02	6.108845e+02	6.277374e+02
##	42641	42642	42643	42644	42645
##	1.213575e+03	1.346541e+03	1.252322e+03	4.062490e+02	1.124573e+03
##	42646	42647	42648	42649	42650
##	2.033835e+03	2.000783e+03	1.854715e+03	2.073476e+03	1.620197e+03
##	42651	42652	42653	42654	42655
##	2.034064e+03	2.109330e+03	1.906141e+03	2.029484e+03	1.950429e+03
##	42656	42657	42658	42659	42660
##	2.164078e+03	2.022039e+03	1.928872e+03	1.245563e+03	2.018224e+03
##	42661	42662	42663	42664	42665
##	2.087242e+03	1.279174e+03	2.301120e+03	2.267338e+03	1.029127e+03
##	42666	42667	42668	42669	42670
##	1.877404e+03	2.267187e+03	2.118038e+03	2.210694e+03	2.223176e+03
##	42671	42672	42673	42674	42675
##	2.224478e+03	1.011208e+03	-2.494448e+03	-6.603806e+02	1.897146e+03
##	42676	42677	42678	42679	42680

##	6.814418e+02	2.115446e+03	1.288302e+03	2.112413e+03	1.636512e+03
##	42681	42682	42683	42684	42685
##	2.135506e+03	2.119167e+03	1.044464e+03	1.161832e+03	1.157461e+03
##	42686	42687	42688	42689	42690
##	1.391958e+03	1.450498e+03	2.336718e+03	1.463783e+03	1.394443e+03
##	42691	42692	42693	42694	42695
##	1.432515e+03	1.353924e+03	1.283334e+03	1.607062e+03	1.432084e+03
##	42696	42697	42698	42699	42700
##	1.729754e+03	1.421362e+03	1.373545e+03	1.198524e+03	1.015458e+03
##	42701	42702	42703	42704	42705
##	1.135589e+03	1.160646e+03	1.066997e+03	1.180632e+03	1.390494e+03
##	42706	42707	42708	42709	42710
##	1.666621e+03	1.262924e+03	1.626671e+03	1.562617e+03	1.536871e+03
##	42711	42712	42713	42714	42715
##	1.851620e+03	1.553398e+03	1.667605e+03	1.546308e+03	7.809020e+02
##	42716	42717	42718	42719	42720
##	7.803290e+02	7.429411e+02	6.322826e+02	1.315674e+03	1.399360e+03
##	42721	42722	42723	42724	42725
##	1.328624e+03	1.717488e+03	1.611286e+03	1.180804e+03	1.317111e+03
##	42726	42727	42728	42729	42730
##	2.298857e+03	1.787432e+03	1.306271e+03	1.317784e+03	9.362911e+02
##	42731	42732	42733	42734	42735
##	1.121855e+03	1.370068e+03	1.538665e+03	1.530464e+03	1.512080e+03
##	42736	42737	42738	42739	42740
##	1.534688e+03	1.274268e+03	1.504949e+03	1.522116e+03	1.539812e+03
##	42741	42742	42743	42744	42745
##	1.431795e+03	1.483942e+03	1.176214e+03	1.525783e+03	1.403715e+03
##	42746	42747	42748	42749	42750
##	1.255591e+03	1.110891e+03	1.739169e+03	1.249637e+03	1.680691e+03
##	42751	42752	42753	42754	42755
##	1.484341e+03	1.842786e+03	7.811653e+02	6.911802e+02	1.094910e+03
##	42756	42757	42758	42759	42760
##	8.038641e+02	1.658099e+03	1.624267e+03	1.042477e+03	1.590237e+03
##	42761	42762	42763	42764	42765
##	1.817686e+03	1.579795e+03	1.531895e+03	1.637881e+03	1.829559e+03
##	42766	42767	42768	42769	42770
##	1.808864e+03	1.090251e+03	1.353012e+03	1.456910e+03	1.731279e+03
##	42771	42772	42773	42774	42775
##	-4.723851e+02	1.363201e+03	2.399199e+03	2.415282e+03	1.586084e+03
##	42776	42777	42778	42779	42780
##	1.133685e+03	1.182891e+03	1.209398e+03	1.081131e+03	2.168511e+03
##	42781	42782	42783	42784	42785
##	2.214579e+03	1.610262e+03	1.268383e+03	1.587602e+03	1.501379e+03
##	42786	42787	42788	42789	42790
##	1.336320e+03	1.266036e+03	1.241702e+03	1.459856e+03	1.436090e+03
##	42791	42792	42793	42794	42795
##	2.207189e+02	1.678858e+03	1.896306e+03	1.920787e+03	-3.226896e+02
##	42796	42797	42798	42799	42800
##	1.013599e+03	1.295927e+03	1.675316e+03	1.669620e+03	1.349452e+03
##	42801	42802	42803	42804	42805
##	1.686409e+03	1.949138e+03	1.860947e+03	1.321401e+03	6.460119e+02
##	42806	42807	42808	42809	42810
##	5.393966e+02	8.955264e+02	2.197608e+03	1.527934e+03	1.520626e+03
##	42811	42812	42813	42814	42815

##	1.513414e+03	1.290748e+03	1.576463e+03	1.334303e+03	1.514719e+03
##	42816	42817	42818	42819	42820
##	1.434714e+03	1.270030e+03	1.695524e+03	1.642884e+03	2.226766e+03
##	42821	42822	42823	42824	42825
##	7.791506e+02	7.210302e+02	1.310096e+03	1.684674e+03	1.563086e+03
##	42826	42827	42828	42829	42830
##	1.372006e+03	1.645500e+03	1.578387e+03	1.874694e+03	1.784088e+03
##	42831	42832	42833	42834	42835
##	1.489351e+03	9.216040e+02	1.322755e+03	1.243403e+03	1.559074e+03
##	42836	42837	42838	42839	42840
##	1.996147e+03	2.046236e+03	1.919487e+03	2.028592e+03	2.047809e+03
##	42841	42842	42843	42844	42845
##	2.021381e+03	1.963993e+03	2.046763e+03	2.003421e+03	1.980127e+03
##	42846	42847	42848	42849	42850
##	1.971205e+03	1.893135e+03	1.880491e+03	2.033810e+03	2.003583e+03
##	42851	42852	42853	42854	42855
##	1.983637e+03	2.197293e+03	2.102303e+03	2.239849e+03	2.005232e+03
##	42856	42857	42858	42859	42860
##	2.216555e+03	2.097180e+03	1.344280e+03	1.386504e+03	1.609355e+03
##	42861	42862	42863	42864	42865
##	1.852696e+03	1.392739e+03	1.022242e+03	1.233876e+03	1.086410e+03
##	42866	42867	42868	42869	42870
##	1.688273e+03	2.174710e+03	2.166565e+03	2.205572e+03	2.076620e+03
##	42871	42872	42873	42874	42875
##	2.118037e+03	2.220872e+03	5.802871e+02	2.080079e+03	2.082899e+03
##	42876	42877	42878	42879	42880
##	2.037701e+03	8.332170e+02	2.034858e+03	1.517845e+03	1.659111e+03
##	42881	42882	42883	42884	42885
##	1.600432e+03	2.241656e+03	1.710169e+03	1.555336e+03	4.736371e+02
##	42886	42887	42888	42889	42890
##	1.043470e+03	1.246442e+03	1.846330e+03	8.099576e+02	7.483466e+02
##	42891	42892	42893	42894	42895
##	6.269320e+02	6.708154e+02	7.264719e+02	7.128497e+02	1.219997e+03
##	42896	42897	42898	42899	42900
##	1.606437e+03	1.626338e+03	1.562516e+03	1.683132e+03	1.597485e+03
##	42901	42902	42903	42904	42905
##	1.534454e+03	1.877385e+03	1.223069e+03	1.006304e+03	-9.478980e+02
##	42906	42907	42908	42909	42910
##	1.552459e+03	1.859607e+03	1.932221e+03	1.450748e+03	1.530715e+03
##	42911	42912	42913	42914	42915
##	1.102995e+03	6.743825e+02	2.035834e+03	2.035104e+03	1.533386e+03
##	42916	42917	42918	42919	42920
##	1.022189e+03	1.520031e+03	1.188817e+03	1.251944e+03	1.517586e+03
##	42921	42922	42923	42924	42925
##	1.490561e+03	7.683725e+02	1.286606e+03	2.185321e+03	1.418157e+03
##	42926	42927	42928	42929	42930
##	1.710091e+03	1.664877e+03	1.415287e+03	1.950765e+03	1.364261e+03
##	42931	42932	42933	42934	42935
##	-1.317780e+02	-9.270284e+00	-1.039451e+02	-1.762457e+02	-3.549619e+02
##	42936	42937	42938	42939	42940
##	-3.136482e+02	-6.143797e+01	-6.616793e+02	-5.428322e+02	9.325675e+02
##	42941	42942	42943	42944	42945
##	-5.835001e+01	-1.150322e+03	-1.458800e+03	-1.475713e+03	-1.222717e+03
##	42946	42947	42948	42949	42950

##	-1.222004e+03	-1.230098e+03	-1.206050e+03	-1.238288e+03	-1.240434e+03
##	42951	42952	42953	42954	42955
##	-1.347310e+03	-1.443904e+03	-1.446522e+03	-1.436343e+03	-1.489685e+03
##	42956	42957	42958	42959	42960
##	-1.438332e+03	-1.434535e+03	-1.412689e+03	-1.505132e+03	-1.447893e+03
##	42961	42962	42963	42964	42965
##	1.062326e+03	7.838457e+02	2.130655e+03	1.325705e+03	1.365830e+03
##	42966	42967	42968	42969	42970
##	1.856834e+03	1.830399e+03	1.339978e+03	1.462294e+03	1.920429e+03
##	42971	42972	42973	42974	42975
##	2.149434e+03	2.109440e+03	2.090481e+03	2.165295e+03	1.964629e+03
##	42976	42977	42978	42979	42980
##	1.887279e+03	2.012294e+03	2.103906e+03	2.100827e+03	2.202632e+03
##	42981	42982	42983	42984	42985
##	2.106827e+03	2.172456e+03	2.164418e+03	2.165295e+03	2.163954e+03
##	42986	42987	42988	42989	42990
##	5.683148e+02	1.158255e+03	1.315632e+03	1.831545e+03	1.375416e+03
##	42991	42992	42993	42994	42995
##	1.608338e+03	2.010383e+03	2.202298e+03	1.369683e+03	1.487892e+03
##	42996	42997	42998	42999	43000
##	1.484286e+03	1.770159e+03	8.914718e+02	8.845900e+02	1.056230e+03
##	43001	43002	43003	43004	43005
##	6.539322e+02	2.093666e+03	1.523118e+03	1.392936e+03	1.789032e+03
##	43006	43007	43008	43009	43010
##	1.803602e+03	1.461560e+03	1.691610e+03	1.537055e+03	1.534082e+03
##	43011	43012	43013	43014	43015
##	1.702236e+03	2.202170e+03	1.502509e+03	1.650535e+03	1.629300e+03
##	43016	43017	43018	43019	43020
##	1.549952e+03	1.603581e+03	1.592622e+03	1.629275e+03	1.615541e+03
##	43021	43022	43023	43024	43025
##	1.370105e+03	1.484375e+03	1.137808e+03	1.439580e+03	5.261770e+02
##	43026	43027	43028	43029	43030
##	1.953060e+03	1.919374e+03	1.748733e+03	1.210672e+03	1.931462e+03
##	43031	43032	43033	43034	43035
##	1.633078e+03	1.038084e+03	1.341484e+03	1.267427e+03	1.666766e+03
##	43036	43037	43038	43039	43040
##	1.782805e+03	1.174027e+03	1.448725e+03	1.261824e+03	1.480108e+03
##	43041	43042	43043	43044	43045
##	1.173832e+03	1.146417e+03	1.286359e+03	1.353024e+03	1.346238e+03
##	43046	43047	43048	43049	43050
##	1.353693e+03	1.502399e+03	2.146221e+03	1.539273e+03	1.548964e+03
##	43051	43052	43053	43054	43055
##	1.675388e+03	2.336465e+03	1.153886e+03	1.347398e+03	8.801174e+02
##	43056	43057	43058	43059	43060
##	1.543754e+03	1.791734e+03	9.135856e+02	1.512815e+03	1.399483e+03
##	43061	43062	43063	43064	43065
##	1.922831e+03	2.467494e+03	2.439768e+03	2.499760e+03	2.439606e+03
##	43066	43067	43068	43069	43070
##	2.246945e+03	6.244559e+02	1.398729e+03	1.662445e+03	8.663575e+02
##	43071	43072	43073	43074	43075
##	1.679840e+03	1.593199e+03	1.946891e+03	1.857674e+03	1.221468e+03
##	43076	43077	43078	43079	43080
##	1.622165e+03	2.411777e+03	1.578017e+03	1.279729e+03	1.286025e+03
##	43081	43082	43083	43084	43085

##	1.221720e+03	1.104195e+03	1.682794e+03	1.597926e+03	1.614531e+03
##	43086	43087	43088	43089	43090
##	1.697456e+03	1.622731e+03	1.378498e+03	1.593679e+03	1.913606e+03
##	43091	43092	43093	43094	43095
##	1.717195e+03	2.006038e+03	1.521615e+03	2.067889e+03	1.352932e+03
##	43096	43097	43098	43099	43100
##	1.980559e+03	7.614922e+02	1.558920e+03	9.917155e+02	1.292616e+03
##	43101	43102	43103	43104	43105
##	1.097791e+03	9.792498e+02	1.547819e+03	1.735002e+03	1.506779e+03
##	43106	43107	43108	43109	43110
##	1.457212e+03	1.096114e+03	1.641735e+03	1.737438e+03	1.237171e+03
##	43111	43112	43113	43114	43115
##	1.717374e+03	1.333812e+03	5.411042e+02	1.707307e+03	1.421114e+03
##	43116	43117	43118	43119	43120
##	1.188579e+03	1.082233e+03	1.134491e+03	8.298113e+02	7.607529e+02
##	43121	43122	43123	43124	43125
##	7.519463e+02	6.559668e+02	1.413382e+03	1.067839e+03	1.326862e+03
##	43126	43127	43128	43129	43130
##	1.819218e+03	1.284362e+03	1.045670e+03	1.115648e+03	1.443295e+03
##	43131	43132	43133	43134	43135
##	1.473578e+03	1.508010e+03	1.303463e+03	1.700323e+03	1.089497e+03
##	43136	43137	43138	43139	43140
##	1.641039e+03	1.500647e+03	1.738108e+03	1.748926e+03	1.460860e+03
##	43141	43142	43143	43144	43145
##	1.908833e+03	1.875052e+03	1.855818e+03	1.229720e+03	1.335171e+03
##	43146	43147	43148	43149	43150
##	1.371173e+03	1.446893e+03	1.457954e+03	1.817938e+03	-8.885794e+01
##	43151	43152	43153	43154	43155
##	1.231652e+03	1.334075e+03	1.596608e+03	1.603870e+03	1.601244e+03
##	43156	43157	43158	43159	43160
##	1.705028e+03	1.297151e+03	1.311185e+03	1.410153e+03	1.462052e+03
##	43161	43162	43163	43164	43165
##	2.084552e+03	2.114424e+03	2.033579e+03	2.303286e+03	2.324637e+03
##	43166	43167	43168	43169	43170
##	2.324541e+03	2.255556e+03	2.285732e+03	1.501077e+03	1.482619e+03
##	43171	43172	43173	43174	43175
##	1.451881e+03	1.356355e+03	2.301212e+03	1.242510e+03	1.303738e+03
##	43176	43177	43178	43179	43180
##	1.150588e+03	2.005644e+03	1.002025e+03	1.791932e+03	1.977058e+03
##	43181	43182	43183	43184	43185
##	1.453751e+03	1.292951e+03	1.367594e+03	1.309394e+03	1.299069e+03
##	43186	43187	43188	43189	43190
##	1.275460e+03	1.092564e+03	1.215861e+03	1.918542e+03	2.166316e+03
##	43191	43192	43193	43194	43195
##	1.139747e+03	2.120164e+03	1.587224e+03	1.459993e+03	1.829300e+03
##	43196	43197	43198	43199	43200
##	2.184247e+03	1.617949e+03	1.782263e+03	1.291253e+03	1.524357e+03
##	43201	43202	43203	43204	43205
##	1.648623e+03	1.608594e+03	1.391078e+03	1.419920e+03	1.940836e+03
##	43206	43207	43208	43209	43210
##	1.150933e+03	-5.636723e+02	1.492177e+03	1.859307e+03	-8.350554e+02
##	43211	43212	43213	43214	43215
##	1.859132e+03	1.795823e+03	1.848845e+03	1.895525e+03	1.299720e+03
##	43216	43217	43218	43219	43220

##	1.188995e+03	1.046089e+03	1.081799e+03	1.640560e+03	1.970247e+03
##	43221	43222	43223	43224	43225
##	2.143720e+03	1.972992e+03	2.078794e+03	1.988769e+03	2.056706e+03
##	43226	43227	43228	43229	43230
##	1.993120e+03	1.991503e+03	2.042940e+03	1.849362e+03	1.951198e+03
##	43231	43232	43233	43234	43235
##	1.967331e+03	1.889356e+03	1.869413e+03	7.826649e+02	1.023079e+03
##	43236	43237	43238	43239	43240
##	9.622480e+02	1.581813e+03	1.772465e+03	1.167831e+03	9.491105e+02
##	43241	43242	43243	43244	43245
##	1.658099e+03	1.181213e+03	2.168387e+03	2.109722e+03	2.183099e+03
##	43246	43247	43248	43249	43250
##	2.178875e+03	2.202156e+03	2.308205e+03	1.980266e+03	2.121940e+03
##	43251	43252	43253	43254	43255
##	2.221848e+03	2.195813e+03	1.986056e+03	2.202904e+03	2.220378e+03
##	43256	43257	43258	43259	43260
##	2.137002e+03	2.171017e+03	1.783332e+03	2.139472e+03	1.393142e+03
##	43261	43262	43263	43264	43265
##	-1.446343e+03	-1.446343e+03	-1.458117e+03	-1.508897e+03	-1.437432e+03
##	43266	43267	43268	43269	43270
##	-1.387516e+03	-1.257228e+03	-1.343705e+03	-1.475027e+03	-1.411951e+03
##	43271	43272	43273	43274	43275
##	-1.639637e+03	-1.492195e+03	-1.446032e+03	-1.543514e+03	-1.462901e+03
##	43276	43277	43278	43279	43280
##	-1.281304e+03	-1.690455e+03	-1.511965e+03	-1.448889e+03	-1.410747e+03
##	43281	43282	43283	43284	43285
##	-1.444484e+03	-1.371650e+03	-1.209326e+03	-1.221032e+03	9.655894e+01
##	43286	43287	43288	43289	43290
##	-2.537851e+01	-1.153126e+02	-6.748775e+01	-1.152673e+02	-8.153064e+01
##	43291	43292	43293	43294	43295
##	1.149569e+03	1.971752e+03	1.857745e+03	8.909089e+02	1.428038e+03
##	43296	43297	43298	43299	43300
##	1.437599e+03	2.113967e+03	1.801454e+03	1.326812e+03	9.316232e+01
##	43301	43302	43303	43304	43305
##	2.013948e+03	5.096348e+02	1.141096e+03	1.451679e+03	2.296004e+03
##	43306	43307	43308	43309	43310
##	1.392584e+03	1.815789e+03	1.275267e+03	1.153563e+03	1.927641e+03
##	43311	43312	43313	43314	43315
##	1.936918e+03	1.821671e+03	1.686286e+03	1.680854e+03	1.710463e+03
##	43316	43317	43318	43319	43320
##	2.239296e+03	2.251736e+03	1.862369e+03	1.312974e+03	1.357634e+03
##	43321	43322	43323	43324	43325
##	1.263370e+03	1.180639e+03	1.466719e+03	1.604732e+03	1.751703e+03
##	43326	43327	43328	43329	43330
##	1.748605e+03	1.857038e+03	1.626262e+03	1.393753e+03	1.919147e+03
##	43331	43332	43333	43334	43335
##	2.179961e+03	2.107694e+03	1.923481e+03	1.414571e+03	1.684139e+03
##	43336	43337	43338	43339	43340
##	1.948403e+03	1.492665e+03	1.569114e+03	1.632482e+03	2.321857e+03
##	43341	43342	43343	43344	43345
##	1.360764e+03	1.343733e+03	1.069517e+03	1.401628e+03	1.044300e+03
##	43346	43347	43348	43349	43350
##	1.937141e+03	1.412996e+03	1.415034e+03	1.746717e+03	6.412250e+02
##	43351	43352	43353	43354	43355

##	1.846564e+03	1.664585e+03	1.660233e+03	1.681634e+03	1.330031e+03
##	43356	43357	43358	43359	43360
##	2.103048e+03	2.069603e+03	1.541474e+03	1.740505e+03	1.663021e+03
##	43361	43362	43363	43364	43365
##	1.562379e+03	1.051996e+03	1.343333e+03	1.766412e+03	1.715822e+03
##	43366	43367	43368	43369	43370
##	1.614677e+03	1.929836e+03	2.492296e+03	1.349651e+03	1.749664e+03
##	43371	43372	43373	43374	43375
##	2.025110e+03	1.719368e+03	2.026702e+03	-9.980415e+02	1.537794e+03
##	43376	43377	43378	43379	43380
##	1.363086e+03	7.079358e+02	1.237399e+03	1.690613e+03	1.463725e+03
##	43381	43382	43383	43384	43385
##	1.475270e+03	1.494663e+03	1.776910e+03	1.348400e+03	1.469768e+03
##	43386	43387	43388	43389	43390
##	1.501973e+03	1.652822e+03	1.422995e+03	1.413299e+03	1.433083e+03
##	43391	43392	43393	43394	43395
##	1.293608e+03	1.315160e+03	1.318766e+03	7.836626e+02	1.728486e+03
##	43396	43397	43398	43399	43400
##	1.475072e+03	6.787700e+02	1.195109e+03	8.312012e+02	1.926610e+03
##	43401	43402	43403	43404	43405
##	1.695600e+03	1.949888e+03	2.217860e+03	2.224387e+03	6.316841e+02
##	43406	43407	43408	43409	43410
##	1.454841e+03	1.471497e+03	9.173682e+02	8.701424e+02	8.919193e+02
##	43411	43412	43413	43414	43415
##	8.851997e+02	1.442152e+03	1.459886e+03	2.003587e+03	2.123488e+03
##	43416	43417	43418	43419	43420
##	1.088976e+03	1.248983e+03	1.371514e+03	2.244105e+03	2.153507e+03
##	43421	43422	43423	43424	43425
##	1.254877e+03	9.360497e+02	1.645729e+03	7.174619e+02	-1.471130e+03
##	43426	43427	43428	43429	43430
##	-1.471130e+03	1.542038e+03	1.790826e+03	1.763966e+03	1.538050e+03
##	43431	43432	43433	43434	43435
##	1.491380e+03	7.222479e+02	1.425164e+03	1.365855e+03	1.676127e+03
##	43436	43437	43438	43439	43440
##	1.638910e+03	2.058692e+03	1.413361e+03	1.776291e+03	1.694498e+03
##	43441	43442	43443	43444	43445
##	1.494012e+03	1.381409e+03	1.217333e+03	1.325664e+03	1.274759e+03
##	43446	43447	43448	43449	43450
##	1.262130e+03	1.242766e+03	1.076664e+03	1.362405e+03	1.226197e+03
##	43451	43452	43453	43454	43455
##	1.239198e+03	1.212724e+03	1.087628e+03	1.241187e+03	1.656436e+03
##	43456	43457	43458	43459	43460
##	1.288395e+03	1.570797e+03	1.588468e+03	1.751523e+03	1.940380e+03
##	43461	43462	43463	43464	43465
##	1.666804e+03	1.854907e+03	1.217323e+03	1.543281e+03	1.666911e+03
##	43466	43467	43468	43469	43470
##	1.638419e+03	1.493735e+03	2.296485e+03	1.959991e+03	2.332558e+03
##	43471	43472	43473	43474	43475
##	1.239076e+03	1.334292e+03	1.422260e+03	2.484900e+03	1.658082e+03
##	43476	43477	43478	43479	43480
##	2.043988e+03	2.125458e+03	1.638236e+03	1.834208e+03	1.936276e+03
##	43481	43482	43483	43484	43485
##	6.849744e+02	1.908010e+03	2.113172e+03	2.283319e+03	6.458488e+02
##	43486	43487	43488	43489	43490

##	1.286898e+03	1.568770e+03	1.264747e+03	1.300211e+03	1.254090e+03
##	43491	43492	43493	43494	43495
##	1.319171e+03	1.382445e+03	1.328189e+03	1.907451e+03	1.785091e+03
##	43496	43497	43498	43499	43500
##	1.833094e+03	1.612129e+03	1.790391e+03	2.106659e+03	2.164228e+03
##	43501	43502	43503	43504	43505
##	1.785091e+03	2.000399e+03	2.180157e+03	2.136029e+03	2.071266e+03
##	43506	43507	43508	43509	43510
##	2.175036e+03	2.087501e+03	2.144174e+03	1.686057e+03	1.833836e+03
##	43511	43512	43513	43514	43515
##	1.787570e+03	1.409037e+03	1.914884e+03	1.844112e+03	1.239549e+03
##	43516	43517	43518	43519	43520
##	1.982792e+03	1.970337e+03	1.653792e+03	1.315229e+03	2.116127e+03
##	43521	43522	43523	43524	43525
##	2.152353e+03	1.664711e+03	1.649742e+03	1.611457e+03	2.140972e+03
##	43526	43527	43528	43529	43530
##	1.405798e+03	1.408636e+03	1.291549e+03	2.047955e+03	1.864663e+03
##	43531	43532	43533	43534	43535
##	2.202964e+03	1.105837e+03	3.670048e+02	1.500040e+03	1.499371e+03
##	43536	43537	43538	43539	43540
##	1.774776e+03	1.848645e+03	1.293067e+03	1.877450e+03	1.889455e+03
##	43541	43542	43543	43544	43545
##	1.914831e+03	1.008709e+03	1.934264e+03	1.495512e+03	1.257048e+03
##	43546	43547	43548	43549	43550
##	1.283359e+03	1.402482e+03	1.387122e+03	1.427695e+03	1.672225e+03
##	43551	43552	43553	43554	43555
##	1.892384e+03	2.158375e+03	1.524834e+03	1.575535e+03	1.790522e+03
##	43556	43557	43558	43559	43560
##	1.844580e+03	1.572660e+03	1.568471e+03	1.884699e+03	1.928797e+03
##	43561	43562	43563	43564	43565
##	1.976012e+03	1.910321e+03	1.475835e+03	2.088117e+03	1.880776e+03
##	43566	43567	43568	43569	43570
##	1.748458e+03	1.715457e+03	2.144061e+03	2.141920e+03	2.134759e+03
##	43571	43572	43573	43574	43575
##	2.134759e+03	2.161917e+03	1.951222e+03	2.049766e+03	2.086470e+03
##	43576	43577	43578	43579	43580
##	2.118898e+03	2.058546e+03	1.881925e+03	1.944272e+03	2.123239e+03
##	43581	43582	43583	43584	43585
##	2.080470e+03	2.093727e+03	1.982253e+03	1.194169e+03	1.303207e+03
##	43586	43587	43588	43589	43590
##	2.019242e+03	1.490118e+03	1.543049e+03	2.043928e+03	9.007031e+02
##	43591	43592	43593	43594	43595
##	-8.810342e+01	-1.218401e+02	-1.077972e+02	-7.123510e+01	-1.063423e+02
##	43596	43597	43598	43599	43600
##	3.366556e+02	-2.251192e+02	-2.400387e+02	-3.163826e+02	1.239593e+02
##	43601	43602	43603	43604	43605
##	6.236074e+02	-5.073672e+01	6.117280e+01	-1.809277e+02	1.395409e+02
##	43606	43607	43608	43609	43610
##	-5.161153e+01	-5.315296e+02	-4.263969e+01	-1.096699e+02	-4.869794e+01
##	43611	43612	43613	43614	43615
##	-6.264798e+02	-3.338836e+02	-6.121656e+02	-1.178520e+02	-5.888206e+02
##	43616	43617	43618	43619	43620
##	-3.727889e+02	-6.621603e+01	2.637900e+02	1.948415e+02	4.265635e+02
##	43621	43622	43623	43624	43625

##	1.555934e+03	1.869536e+03	1.627666e+03	2.355608e+03	2.225252e+03
##	43626	43627	43628	43629	43630
##	2.355030e+03	2.210900e+03	2.179721e+03	2.166769e+03	2.213620e+03
##	43631	43632	43633	43634	43635
##	2.239200e+03	2.261237e+03	2.253747e+03	2.327725e+03	2.180878e+03
##	43636	43637	43638	43639	43640
##	2.193469e+03	2.165267e+03	2.242857e+03	2.291072e+03	1.809169e+03
##	43641	43642	43643	43644	43645
##	1.589660e+03	1.862447e+03	1.215026e+03	2.192119e+03	1.584626e+03
##	43646	43647	43648	43649	43650
##	1.589920e+03	1.346035e+03	8.569721e+02	1.215651e+03	1.700252e+03
##	43651	43652	43653	43654	43655
##	1.828705e+03	1.494503e+03	1.528131e+03	-1.939138e+02	-2.035703e+02
##	43656	43657	43658	43659	43660
##	4.977811e+02	1.856431e+03	6.993377e+02	1.844481e+03	2.006665e+03
##	43661	43662	43663	43664	43665
##	1.343989e+03	1.763299e+03	1.469395e+03	1.918004e+03	1.539288e+03
##	43666	43667	43668	43669	43670
##	1.897742e+03	1.409235e+03	1.709752e+03	1.854912e+03	1.666410e+03
##	43671	43672	43673	43674	43675
##	1.798612e+03	1.448785e+03	1.526503e+03	1.602871e+03	1.865654e+03
##	43676	43677	43678	43679	43680
##	1.399477e+03	1.921184e+03	1.888640e+03	1.914419e+03	1.676588e+03
##	43681	43682	43683	43684	43685
##	1.703208e+03	1.976582e+03	1.804679e+03	1.306499e+03	1.675869e+03
##	43686	43687	43688	43689	43690
##	1.549158e+03	1.312454e+03	1.680980e+03	1.393274e+03	1.610251e+03
##	43691	43692	43693	43694	43695
##	1.851920e+03	1.667196e+03	1.572355e+03	1.827598e+03	1.776053e+03
##	43696	43697	43698	43699	43700
##	1.899079e+03	1.396982e+03	1.636279e+03	1.429653e+03	1.260337e+03
##	43701	43702	43703	43704	43705
##	1.754900e+03	1.842167e+03	1.252858e+03	1.782459e+03	1.297214e+03
##	43706	43707	43708	43709	43710
##	1.046015e+03	1.153432e+03	1.888838e+03	1.922524e+03	1.752085e+03
##	43711	43712	43713	43714	43715
##	8.670968e+02	1.891057e+03	1.488684e+03	1.505441e+03	2.132437e+03
##	43716	43717	43718	43719	43720
##	8.236153e+02	1.451310e+03	1.460567e+03	1.466172e+03	1.686061e+03
##	43721	43722	43723	43724	43725
##	1.592758e+03	1.613861e+03	1.587003e+03	1.702093e+03	1.760849e+03
##	43726	43727	43728	43729	43730
##	1.707216e+03	1.505394e+03	1.725438e+03	1.715472e+03	1.610159e+03
##	43731	43732	43733	43734	43735
##	1.675523e+03	1.652142e+03	1.522421e+03	1.816378e+03	1.396658e+03
##	43736	43737	43738	43739	43740
##	1.704654e+03	1.658132e+03	1.486777e+03	1.378838e+03	1.554459e+03
##	43741	43742	43743	43744	43745
##	1.826086e+03	1.357632e+03	1.685701e+03	1.535327e+03	1.400000e+03
##	43746	43747	43748	43749	43750
##	1.422508e+03	1.708993e+03	1.395821e+03	1.692971e+03	1.554427e+03
##	43751	43752	43753	43754	43755
##	1.678657e+03	1.176584e+03	2.366769e+03	7.133373e+02	1.587737e+03
##	43756	43757	43758	43759	43760

##	2.411300e+03	2.361122e+03	2.232282e+03	2.360386e+03	2.394219e+03
##	43761	43762	43763	43764	43765
##	2.384608e+03	2.350730e+03	1.435731e+03	2.330879e+03	2.353079e+03
##	43766	43767	43768	43769	43770
##	2.350775e+03	2.353601e+03	1.556169e+03	1.436909e+03	1.389651e+03
##	43771	43772	43773	43774	43775
##	1.327595e+03	1.816989e+03	1.876323e+03	1.806595e+03	1.598347e+03
##	43776	43777	43778	43779	43780
##	1.727279e+03	1.473086e+03	2.157646e+03	1.463151e+03	2.222760e+03
##	43781	43782	43783	43784	43785
##	2.262131e+03	1.346369e+03	1.720335e+03	1.712977e+03	1.703467e+03
##	43786	43787	43788	43789	43790
##	2.524965e+03	1.831263e+03	1.568402e+03	1.596354e+03	1.516513e+03
##	43791	43792	43793	43794	43795
##	1.642445e+03	2.030828e+03	1.902286e+03	1.559629e+03	5.615728e+02
##	43796	43797	43798	43799	43800
##	2.034662e+03	2.058387e+03	1.367219e+03	2.076310e+03	1.804166e+03
##	43801	43802	43803	43804	43805
##	1.837612e+03	2.069001e+03	1.277069e+03	1.285914e+03	1.827145e+03
##	43806	43807	43808	43809	43810
##	1.722273e+03	1.882589e+03	1.489166e+03	1.678097e+03	1.771535e+03
##	43811	43812	43813	43814	43815
##	1.665159e+03	1.474413e+03	1.499097e+03	1.481544e+03	1.483795e+03
##	43816	43817	43818	43819	43820
##	1.436620e+03	1.363000e+03	1.510107e+03	1.453406e+03	1.208922e+03
##	43821	43822	43823	43824	43825
##	1.299451e+03	1.491579e+03	1.372086e+03	1.135500e+03	1.227386e+03
##	43826	43827	43828	43829	43830
##	1.428507e+03	1.392245e+03	1.662635e+03	1.718510e+03	2.072994e+03
##	43831	43832	43833	43834	43835
##	1.345499e+03	1.381477e+03	1.377972e+03	1.388701e+03	1.906001e+03
##	43836	43837	43838	43839	43840
##	1.767517e+03	1.845455e+03	1.835142e+03	1.416092e+03	1.623679e+03
##	43841	43842	43843	43844	43845
##	1.250663e+03	2.160317e+03	1.332882e+03	6.678889e+02	1.815728e+03
##	43846	43847	43848	43849	43850
##	1.929385e+03	1.425892e+03	1.822553e+03	1.676009e+03	1.662272e+03
##	43851	43852	43853	43854	43855
##	1.832096e+03	1.440788e+03	1.328832e+03	1.862358e+03	2.086506e+03
##	43856	43857	43858	43859	43860
##	2.143215e+03	1.683411e+03	1.803937e+03	-6.682515e+02	1.895471e+03
##	43861	43862	43863	43864	43865
##	1.295237e+03	1.761295e+03	1.734821e+03	1.742864e+03	1.760971e+03
##	43866	43867	43868	43869	43870
##	1.772368e+03	1.751213e+03	1.575171e+03	1.841979e+03	1.552636e+03
##	43871	43872	43873	43874	43875
##	1.877476e+03	2.047892e+03	1.917208e+03	1.736935e+03	2.014117e+03
##	43876	43877	43878	43879	43880
##	2.180152e+03	2.051837e+03	1.762766e+03	1.902049e+03	1.661802e+03
##	43881	43882	43883	43884	43885
##	1.912195e+03	1.368675e+03	2.020299e+03	2.214097e+03	1.611941e+03
##	43886	43887	43888	43889	43890
##	1.597943e+03	1.389548e+03	1.551896e+03	1.704212e+03	1.929049e+03
##	43891	43892	43893	43894	43895

##	-5.035833e+02	-1.922216e+02	1.963727e+02	1.995472e+02	-6.040459e+02
##	43896	43897	43898	43899	43900
##	-3.326759e+02	-2.892881e+02	-2.571291e+01	-3.369074e+02	-1.140895e+03
##	43901	43902	43903	43904	43905
##	4.159253e+02	7.822073e+02	1.871153e+02	4.309983e+02	-5.112919e+02
##	43906	43907	43908	43909	43910
##	-5.824164e+02	-3.172835e+03	1.021144e+03	1.073434e+03	-5.634648e+02
##	43911	43912	43913	43914	43915
##	1.065524e+03	-1.991355e+03	-2.954606e+02	-2.682667e+02	-9.370355e+01
##	43916	43917	43918	43919	43920
##	-8.059167e+01	-7.953739e+02	-2.070637e+02	-2.627089e+02	-1.331289e+01
##	43921	43922	43923	43924	43925
##	3.064946e+02	-1.708973e+03	9.031349e+02	3.821477e+02	4.760951e+02
##	43926	43927	43928	43929	43930
##	7.961088e+02	-7.377315e+02	-7.104262e+02	1.630146e+01	1.404897e+01
##	43931	43932	43933	43934	43935
##	3.008608e+01	2.590723e+01	2.277816e+01	-1.609529e+02	3.361392e+01
##	43936	43937	43938	43939	43940
##	-4.382011e+01	4.701380e+01	1.690095e+02	-6.829694e+01	-7.064014e+01
##	43941	43942	43943	43944	43945
##	-4.333485e+01	3.307214e+02	-1.040284e+03	-4.758012e+02	1.211209e+02
##	43946	43947	43948	43949	43950
##	1.653408e+02	1.669072e+02	8.577616e+01	8.363689e+01	1.208173e+02
##	43951	43952	43953	43954	43955
##	-1.470576e+02	-1.691112e+02	-3.189678e+02	-1.277295e+02	-9.164965e+01
##	43956	43957	43958	43959	43960
##	-2.984428e+02	2.779918e+00	-2.457076e+02	-1.165444e+02	-7.208368e+00
##	43961	43962	43963	43964	43965
##	1.093403e+02	1.488185e+02	-9.035018e+02	6.504442e+02	-1.678655e+03
##	43966	43967	43968	43969	43970
##	-1.978717e+03	-1.775126e+03	5.457946e+02	7.055744e+02	2.299326e+02
##	43971	43972	43973	43974	43975
##	5.214132e+02	5.549595e+02	6.167464e+02	-3.814288e+01	-3.423301e+02
##	43976	43977	43978	43979	43980
##	-2.848487e+02	-7.407630e+02	-3.005000e+02	-8.125654e+02	-4.744812e+02
##	43981	43982	43983	43984	43985
##	-1.697158e+03	-1.385358e+03	-1.586784e+03	-4.191892e+02	-5.033721e+02
##	43986	43987	43988	43989	43990
##	-4.859309e+02	-4.594568e+02	-1.813211e+02	-3.872315e+03	-1.581890e+03
##	43991	43992	43993	43994	43995
##	-1.432979e+03	-1.405807e+03	-1.200697e+03	-1.132722e+03	-1.247049e+03
##	43996	43997	43998	43999	44000
##	-1.562838e+03	-1.313169e+03	-1.344604e+03	-1.391594e+03	-1.209898e+03
##	44001	44002	44003	44004	44005
##	-1.491607e+03	-1.565384e+03	-1.589575e+03	-1.558207e+03	-1.397044e+03
##	44006	44007	44008	44009	44010
##	-1.530673e+03	-1.480539e+03	-1.345939e+03	-1.236036e+03	-1.099429e+03
##	44011	44012	44013	44014	44015
##	1.658100e+03	1.826263e+03	1.719658e+03	1.662957e+03	1.691684e+03
##	44016	44017	44018	44019	44020
##	1.760316e+03	1.659991e+03	1.683482e+03	1.513744e+03	1.471245e+03
##	44021	44022	44023	44024	44025
##	1.502064e+03	1.363306e+03	1.420521e+03	1.464679e+03	1.493355e+03
##	44026	44027	44028	44029	44030

##	1.525931e+03	1.404825e+03	1.504791e+03	1.477744e+03	1.360768e+03
##	44031	44032	44033	44034	44035
##	1.682793e+03	1.945624e+03	7.203439e+02	2.380634e+03	2.408467e+03
##	44036	44037	44038	44039	44040
##	2.253821e+03	2.395204e+03	2.131981e+03	1.786607e+03	6.137830e+02
##	44041	44042	44043	44044	44045
##	2.020317e+03	1.535222e+03	1.670288e+03	1.827711e+03	2.477252e+03
##	44046	44047	44048	44049	44050
##	1.960447e+03	2.432363e+03	1.936697e+03	2.074992e+03	2.045879e+03
##	44051	44052	44053	44054	44055
##	1.947379e+03	2.226249e+03	1.418766e+03	5.430667e+02	1.985988e+03
##	44056	44057	44058	44059	44060
##	1.936869e+03	2.131225e+03	2.093704e+03	2.075436e+03	2.105144e+03
##	44061	44062	44063	44064	44065
##	1.648034e+03	1.834270e+03	1.876304e+03	1.820861e+03	1.915596e+03
##	44066	44067	44068	44069	44070
##	1.692811e+03	2.193745e+03	2.033267e+03	1.850353e+03	1.861932e+03
##	44071	44072	44073	44074	44075
##	1.859538e+03	1.881264e+03	1.723390e+03	1.884794e+03	2.423501e+03
##	44076	44077	44078	44079	44080
##	1.944193e+03	1.352446e+03	1.804469e+03	2.158038e+03	1.749761e+03
##	44081	44082	44083	44084	44085
##	1.956731e+03	2.206817e+03	2.063142e+03	1.977158e+03	1.923692e+03
##	44086	44087	44088	44089	44090
##	1.919835e+03	2.114078e+03	2.023252e+03	2.062826e+03	2.040267e+03
##	44091	44092	44093	44094	44095
##	2.177641e+03	2.120661e+03	1.776517e+03	1.812147e+03	2.238907e+03
##	44096	44097	44098	44099	44100
##	1.444566e+03	1.628205e+03	2.246898e+03	1.586011e+03	2.388620e+03
##	44101	44102	44103	44104	44105
##	5.406980e+02	1.950662e+03	1.821643e+03	1.292942e+03	2.122857e+03
##	44106	44107	44108	44109	44110
##	2.045791e+03	1.937402e+03	1.857140e+03	1.864610e+03	1.841691e+03
##	44111	44112	44113	44114	44115
##	2.085082e+03	1.836791e+03	2.411977e+03	2.581728e+03	2.357385e+03
##	44116	44117	44118	44119	44120
##	1.973403e+03	1.540405e+03	1.699020e+03	1.905213e+03	1.899377e+03
##	44121	44122	44123	44124	44125
##	1.772747e+03	2.029144e+03	1.830852e+03	1.920892e+03	2.013742e+03
##	44126	44127	44128	44129	44130
##	1.880892e+03	2.054787e+03	1.777770e+03	2.023416e+03	1.915954e+03
##	44131	44132	44133	44134	44135
##	1.758226e+03	2.538487e+03	1.668026e+03	2.082663e+03	1.890212e+03
##	44136	44137	44138	44139	44140
##	1.888284e+03	2.139700e+03	1.955761e+03	1.906841e+03	2.016347e+03
##	44141	44142	44143	44144	44145
##	2.068221e+03	1.979680e+03	1.212031e+03	2.037259e+03	1.554208e+03
##	44146	44147	44148	44149	44150
##	1.265198e+03	2.059365e+03	2.149578e+03	1.344036e+03	2.271833e+03
##	44151	44152	44153	44154	44155
##	2.145465e+03	1.657245e+03	1.983723e+03	1.990152e+03	1.048695e+03
##	44156	44157	44158	44159	44160
##	1.832817e+03	1.686402e+03	1.089451e+03	2.042253e+03	2.239743e+03
##	44161	44162	44163	44164	44165

##	1.831824e+03	1.770304e+03	2.133275e+03	1.956488e+03	3.475436e+02
##	44166	44167	44168	44169	44170
##	1.622475e+03	1.731828e+03	1.611184e+03	1.975013e+03	2.222135e+03
##	44171	44172	44173	44174	44175
##	1.887238e+03	1.839554e+03	1.782099e+03	1.838181e+03	2.364126e+03
##	44176	44177	44178	44179	44180
##	2.380006e+03	2.517325e+03	2.412715e+03	1.962505e+03	1.947148e+03
##	44181	44182	44183	44184	44185
##	1.232546e+03	1.947404e+03	1.084556e+03	1.832226e+03	2.133339e+03
##	44186	44187	44188	44189	44190
##	1.874340e+03	1.631725e+03	2.083406e+03	1.590146e+03	1.536529e+03
##	44191	44192	44193	44194	44195
##	1.760107e+03	1.593501e+03	1.601597e+03	1.942466e+03	1.641904e+03
##	44196	44197	44198	44199	44200
##	1.943560e+03	1.732061e+03	1.769500e+03	1.690762e+03	1.615917e+03
##	44201	44202	44203	44204	44205
##	1.605365e+03	1.880433e+03	2.071401e+03	1.768040e+03	1.969694e+03
##	44206	44207	44208	44209	44210
##	1.112961e+03	2.094552e+03	2.037170e+03	2.049754e+03	1.752347e+03
##	44211	44212	44213	44214	44215
##	2.111160e+03	7.687621e+01	2.016267e+03	1.811261e+03	2.189956e+03
##	44216	44217	44218	44219	44220
##	1.926367e+02	2.063812e+03	1.805495e+03	1.831645e+03	1.858563e+03
##	44221	44222	44223	44224	44225
##	1.839522e+03	1.733969e+03	1.892609e+03	2.482836e+03	2.140463e+03
##	44226	44227	44228	44229	44230
##	1.707556e+03	1.571448e+03	1.526637e+03	1.540778e+03	1.901102e+03
##	44231	44232	44233	44234	44235
##	1.383945e+03	1.218879e+03	1.359002e+03	2.235134e+03	2.032826e+03
##	44236	44237	44238	44239	44240
##	2.420188e+03	1.813340e+03	1.643139e+03	1.388535e+03	2.265684e+03
##	44241	44242	44243	44244	44245
##	1.557815e+03	1.881799e+03	1.857301e+03	1.820339e+03	1.877202e+03
##	44246	44247	44248	44249	44250
##	1.866193e+03	1.867546e+03	1.952300e+03	1.748393e+03	1.627224e+03
##	44251	44252	44253	44254	44255
##	1.722308e+03	1.500739e+03	1.564909e+03	1.368845e+03	1.507327e+03
##	44256	44257	44258	44259	44260
##	1.548827e+03	1.935778e+03	1.955575e+03	1.422712e+03	1.587978e+03
##	44261	44262	44263	44264	44265
##	1.563311e+03	2.023875e+03	1.733060e+03	1.824852e+03	2.228745e+03
##	44266	44267	44268	44269	44270
##	2.251392e+03	2.160089e+03	1.918302e+03	2.028907e+03	2.166191e+03
##	44271	44272	44273	44274	44275
##	1.659214e+03	2.222060e+03	2.231934e+03	2.246287e+03	2.074172e+03
##	44276	44277	44278	44279	44280
##	1.845531e+03	2.189794e+03	1.828036e+03	1.947499e+03	2.139272e+03
##	44281	44282	44283	44284	44285
##	2.025882e+03	2.038694e+03	1.808917e+03	2.125564e+03	1.900188e+03
##	44286	44287	44288	44289	44290
##	1.547329e+03	1.706855e+03	1.686493e+03	1.613464e+03	1.459483e+03
##	44291	44292	44293	44294	44295
##	1.753391e+03	1.776208e+03	1.739702e+03	1.763361e+03	1.800486e+03
##	44296	44297	44298	44299	44300

##	1.897104e+03	1.597669e+03	1.477432e+03	1.405820e+03	1.944879e+03
##	44301	44302	44303	44304	44305
##	1.348926e+03	2.018102e+03	1.961069e+03	1.970305e+03	2.105992e+03
##	44306	44307	44308	44309	44310
##	2.123935e+03	2.039174e+03	1.267157e+03	1.287940e+03	9.427790e+02
##	44311	44312	44313	44314	44315
##	-1.651562e+03	5.187677e+01	2.864092e+02	1.187950e+01	-1.481331e+02
##	44316	44317	44318	44319	44320
##	-1.666872e+02	-3.553491e+02	-1.016304e+03	-6.536465e+02	-1.359407e+02
##	44321	44322	44323	44324	44325
##	-7.054468e+01	-1.355335e+02	4.716792e+01	-2.569971e+02	-4.530345e+02
##	44326	44327	44328	44329	44330
##	-9.023843e+01	-1.683239e+02	5.755954e+01	5.303708e+02	-2.397009e+02
##	44331	44332	44333	44334	44335
##	7.750619e+01	-2.951726e+02	-4.302624e+02	-2.959024e+02	-1.219301e+02
##	44336	44337	44338	44339	44340
##	-7.337011e+01	-1.110329e+02	-1.167292e+02	9.707433e+02	8.025784e+02
##	44341	44342	44343	44344	44345
##	8.394235e+02	2.048805e+03	1.858876e+03	2.095921e+03	1.935864e+03
##	44346	44347	44348	44349	44350
##	2.407012e+03	2.229763e+03	1.880528e+03	1.901307e+03	2.230234e+03
##	44351	44352	44353	44354	44355
##	2.263920e+03	2.273627e+03	1.950434e+03	2.214005e+03	2.083066e+03
##	44356	44357	44358	44359	44360
##	2.348743e+03	1.960127e+03	2.230873e+03	1.895690e+03	1.902565e+03
##	44361	44362	44363	44364	44365
##	6.945566e+02	2.252125e+03	1.933883e+03	1.863752e+03	2.245896e+03
##	44366	44367	44368	44369	44370
##	2.007774e+03	2.168748e+03	2.120393e+03	1.489434e+03	1.452832e+03
##	44371	44372	44373	44374	44375
##	2.040072e+03	2.489460e+03	2.477029e+03	2.502773e+03	2.228785e+03
##	44376	44377	44378	44379	44380
##	2.132564e+03	2.000237e+03	2.038860e+03	2.076188e+03	1.939424e+03
##	44381	44382	44383	44384	44385
##	1.946879e+03	1.981064e+03	1.235924e+03	1.651604e+03	2.182998e+03
##	44386	44387	44388	44389	44390
##	2.286616e+03	2.268796e+03	2.246144e+03	2.305199e+03	2.244059e+03
##	44391	44392	44393	44394	44395
##	2.392805e+03	2.299154e+03	1.899541e+03	2.057028e+03	2.247036e+03
##	44396	44397	44398	44399	44400
##	1.811698e+03	1.782728e+03	1.854909e+03	1.933975e+03	1.888822e+03
##	44401	44402	44403	44404	44405
##	2.426763e+03	2.454202e+03	1.698985e+03	1.058208e+03	1.077521e+03
##	44406	44407	44408	44409	44410
##	2.513471e+03	2.181075e+03	1.847793e+03	1.535830e+03	1.679778e+03
##	44411	44412	44413	44414	44415
##	1.923330e+03	2.453544e+03	1.957183e+03	1.947475e+03	4.878175e+02
##	44416	44417	44418	44419	44420
##	1.637126e+03	2.484742e+03	1.626272e+03	1.892700e+03	1.743265e+03
##	44421	44422	44423	44424	44425
##	2.052742e+03	2.395574e+03	2.930405e+02	2.168381e+03	1.995163e+03
##	44426	44427	44428	44429	44430
##	1.419507e+03	1.243820e+03	1.448411e+03	1.791796e+03	2.282321e+03
##	44431	44432	44433	44434	44435

##	1.919378e+03	2.313055e+03	1.960325e+03	2.030182e+03	1.791582e+03
##	44436	44437	44438	44439	44440
##	2.316975e+03	1.853613e+03	1.937120e+03	2.143384e+03	1.925884e+03
##	44441	44442	44443	44444	44445
##	1.191856e+03	1.874988e+03	1.838791e+03	2.015588e+03	2.179158e+03
##	44446	44447	44448	44449	44450
##	2.160727e+03	2.085039e+03	2.083047e+03	2.133270e+03	2.492067e+03
##	44451	44452	44453	44454	44455
##	2.344563e+03	1.657960e+03	2.004619e+03	1.945410e+03	2.108539e+03
##	44456	44457	44458	44459	44460
##	2.011285e+03	1.953859e+03	1.381439e+03	1.912250e+03	1.792134e+03
##	44461	44462	44463	44464	44465
##	1.935513e+03	1.781195e+03	1.914734e+03	1.444810e+03	1.440784e+03
##	44466	44467	44468	44469	44470
##	1.491717e+03	1.424021e+03	1.345499e+03	1.393227e+03	2.098403e+03
##	44471	44472	44473	44474	44475
##	1.679677e+03	1.943249e+03	1.965285e+03	1.792277e+03	1.926580e+03
##	44476	44477	44478	44479	44480
##	2.052088e+03	2.167740e+03	1.951817e+03	2.146994e+03	2.458839e+03
##	44481	44482	44483	44484	44485
##	2.477731e+03	1.699532e+03	2.490355e+03	1.914208e+03	2.243554e+03
##	44486	44487	44488	44489	44490
##	2.316944e+03	2.200331e+03	2.306946e+03	1.787247e+03	1.437607e+03
##	44491	44492	44493	44494	44495
##	1.513951e+03	1.755958e+03	1.970750e+03	1.737245e+03	2.111698e+03
##	44496	44497	44498	44499	44500
##	2.194326e+03	2.010351e+03	2.205865e+03	2.146815e+03	2.182114e+03
##	44501	44502	44503	44504	44505
##	1.818503e+03	1.963282e+03	2.069447e+02	2.388276e+03	1.798940e+03
##	44506	44507	44508	44509	44510
##	1.791779e+03	2.153739e+03	1.758631e+03	1.886179e+03	1.775550e+03
##	44511	44512	44513	44514	44515
##	2.034697e+03	1.751896e+03	1.518263e+03	1.700395e+03	1.813243e+03
##	44516	44517	44518	44519	44520
##	1.997600e+03	1.820652e+03	1.721184e+03	2.017384e+03	1.857529e+03
##	44521	44522	44523	44524	44525
##	1.923973e+03	1.861085e+03	2.374557e+03	2.105266e+03	2.424512e+03
##	44526	44527	44528	44529	44530
##	1.432293e+03	1.808512e+03	2.119175e+03	1.810692e+03	2.278673e+03
##	44531	44532	44533	44534	44535
##	1.408679e+03	2.049642e+03	1.229565e+03	1.532382e+03	1.914178e+03
##	44536	44537	44538	44539	44540
##	2.285180e+03	7.130681e+02	2.341734e+03	2.242556e+03	2.232261e+03
##	44541	44542	44543	44544	44545
##	2.150270e+03	1.519485e+03	2.001330e+03	2.092696e+03	1.886409e+03
##	44546	44547	44548	44549	44550
##	1.729171e+03	2.009438e+03	2.097383e+03	2.089649e+03	2.085795e+03
##	44551	44552	44553	44554	44555
##	1.548087e+03	1.583482e+03	1.593727e+03	2.239191e+03	1.946442e+03
##	44556	44557	44558	44559	44560
##	1.892861e+03	1.795646e+03	2.047549e+03	1.987112e+03	1.777538e+03
##	44561	44562	44563	44564	44565
##	1.573320e+03	1.664888e+03	1.393752e+03	1.486532e+03	1.725128e+03
##	44566	44567	44568	44569	44570

##	1.712534e+03	1.549704e+03	1.715478e+03	1.468262e+03	5.687817e+02
##	44571	44572	44573	44574	44575
##	6.177333e+02	1.795108e+03	1.995351e+03	2.445859e+03	2.230052e+03
##	44576	44577	44578	44579	44580
##	2.353520e+03	2.171097e+03	1.991310e+03	2.167479e+03	2.112783e+03
##	44581	44582	44583	44584	44585
##	2.305610e+03	2.257455e+03	2.276396e+03	2.043399e+03	2.198223e+03
##	44586	44587	44588	44589	44590
##	1.981653e+03	2.272907e+03	1.322953e+03	2.130976e+03	2.008774e+03
##	44591	44592	44593	44594	44595
##	1.647302e+03	1.605533e+03	1.788103e+03	1.771757e+03	1.780465e+03
##	44596	44597	44598	44599	44600
##	1.631013e+03	1.676036e+03	1.788154e+03	1.942677e+03	1.969151e+03
##	44601	44602	44603	44604	44605
##	1.870085e+03	1.983703e+03	1.840317e+03	1.882088e+03	1.978859e+03
##	44606	44607	44608	44609	44610
##	1.841880e+03	1.833172e+03	1.562392e+03	1.642720e+03	1.641610e+03
##	44611	44612	44613	44614	44615
##	1.663144e+03	1.649932e+03	1.657336e+03	1.528296e+03	1.961468e+03
##	44616	44617	44618	44619	44620
##	1.871113e+03	2.041607e+03	1.944650e+03	1.996929e+03	2.336018e+03
##	44621	44622	44623	44624	44625
##	2.244262e+03	1.980141e+03	2.309757e+03	1.987352e+03	2.214542e+03
##	44626	44627	44628	44629	44630
##	2.302236e+03	2.253328e+03	2.788966e+03	2.118895e+03	2.446580e+03
##	44631	44632	44633	44634	44635
##	1.930567e+03	2.000116e+03	2.088646e+03	1.932949e+03	2.001188e+03
##	44636	44637	44638	44639	44640
##	2.209013e+03	2.575573e+03	2.109602e+03	2.141821e+03	2.376730e+03
##	44641	44642	44643	44644	44645
##	1.112416e+03	8.667494e+02	-2.959360e+02	-1.038534e+02	3.186030e+02
##	44646	44647	44648	44649	44650
##	2.862633e+02	8.243743e+02	7.899062e+02	7.764987e+02	8.355918e+02
##	44651	44652	44653	44654	44655
##	3.395404e+02	9.530258e+02	-2.094609e+02	7.338152e+01	8.952499e+02
##	44656	44657	44658	44659	44660
##	-6.736978e+02	-6.793261e+01	-4.463253e+02	-4.566662e+02	-4.674309e+02
##	44661	44662	44663	44664	44665
##	-5.356864e+02	-2.361933e+02	-4.432923e+02	-3.415788e+02	-2.442877e+02
##	44666	44667	44668	44669	44670
##	-2.518085e+02	-2.647619e+02	-1.366205e+01	-3.736144e+01	-2.018949e+01
##	44671	44672	44673	44674	44675
##	2.247675e+03	-1.566233e+02	1.963731e+03	1.919533e+03	1.828169e+03
##	44676	44677	44678	44679	44680
##	1.790928e+03	9.319130e+02	-7.978547e+01	1.853785e+03	2.163148e+03
##	44681	44682	44683	44684	44685
##	2.541705e+03	1.498341e+03	1.551654e+03	1.485717e+03	1.608962e+03
##	44686	44687	44688	44689	44690
##	7.096602e+02	2.068763e+03	2.046138e+03	2.045047e+03	2.152192e+03
##	44691	44692	44693	44694	44695
##	2.260349e+03	2.008534e+03	1.956645e+03	2.500604e+03	1.147123e+03
##	44696	44697	44698	44699	44700
##	2.257768e+03	2.322656e+03	2.392746e+03	2.264568e+03	2.198404e+03
##	44701	44702	44703	44704	44705

##	1.987656e+03	2.001228e+03	1.977464e+03	2.001402e+03	1.919913e+03
##	44706	44707	44708	44709	44710
##	1.970079e+03	1.949133e+03	1.923557e+03	1.935673e+03	2.416327e+03
##	44711	44712	44713	44714	44715
##	2.484454e+03	1.939729e+03	2.049041e+03	2.059433e+03	2.117762e+03
##	44716	44717	44718	44719	44720
##	2.129559e+03	1.793518e+03	2.266036e+03	2.343252e+03	1.686606e+03
##	44721	44722	44723	44724	44725
##	1.804146e+03	2.010958e+03	2.291506e+03	1.942205e+03	2.232075e+03
##	44726	44727	44728	44729	44730
##	2.327198e+03	1.986005e+03	2.564358e+03	1.995339e+03	2.277026e+03
##	44731	44732	44733	44734	44735
##	2.257134e+03	2.062773e+03	2.361544e+03	2.118155e+03	2.159098e+03
##	44736	44737	44738	44739	44740
##	2.082605e+03	1.572271e+03	1.415596e+03	2.374658e+03	2.140643e+03
##	44741	44742	44743	44744	44745
##	2.255831e+03	1.609510e+03	2.538529e+03	8.199771e+02	2.420726e+03
##	44746	44747	44748	44749	44750
##	2.311654e+03	2.262389e+03	1.654089e+03	1.656401e+03	1.511809e+03
##	44751	44752	44753	44754	44755
##	2.115150e+03	1.948015e+03	1.566281e+03	1.657355e+03	2.041225e+03
##	44756	44757	44758	44759	44760
##	2.274268e+03	1.983382e+03	2.173427e+03	2.198995e+03	2.282253e+03
##	44761	44762	44763	44764	44765
##	2.095785e+03	2.213235e+03	2.170611e+03	2.165312e+03	2.217698e+03
##	44766	44767	44768	44769	44770
##	1.836472e+03	1.807345e+03	1.882470e+03	2.309787e+03	2.360277e+03
##	44771	44772	44773	44774	44775
##	2.319236e+03	2.377931e+03	2.364668e+03	2.166687e+03	-1.510481e+03
##	44776	44777	44778	44779	44780
##	2.317707e+03	2.022173e+03	1.919554e+03	2.596711e+03	2.436858e+03
##	44781	44782	44783	44784	44785
##	2.074594e+03	2.149439e+03	2.329769e+03	2.380857e+03	1.734629e+03
##	44786	44787	44788	44789	44790
##	1.579563e+03	1.227306e+03	1.914304e+03	1.960466e+03	1.934154e+03
##	44791	44792	44793	44794	44795
##	1.878060e+03	2.073902e+03	1.824590e+03	2.089383e+03	1.889491e+03
##	44796	44797	44798	44799	44800
##	2.094619e+03	1.971576e+03	2.022826e+03	1.981515e+03	1.944854e+03
##	44801	44802	44803	44804	44805
##	1.868466e+03	2.010187e+03	1.942069e+03	1.919150e+03	1.950158e+03
##	44806	44807	44808	44809	44810
##	1.925987e+03	1.971774e+03	2.020432e+03	2.099418e+03	2.049726e+03
##	44811	44812	44813	44814	44815
##	1.942935e+03	2.047529e+03	2.057819e+03	2.002879e+03	2.129693e+03
##	44816	44817	44818	44819	44820
##	2.047377e+03	1.925931e+03	2.017612e+03	1.809709e+03	2.076920e+03
##	44821	44822	44823	44824	44825
##	2.006153e+03	1.883278e+03	2.071919e+03	2.518531e+03	2.050743e+03
##	44826	44827	44828	44829	44830
##	2.130238e+03	2.148006e+03	1.533882e+03	1.520575e+03	1.172006e+03
##	44831	44832	44833	44834	44835
##	1.438773e+03	1.373965e+03	1.369624e+03	1.125174e+03	1.391756e+03
##	44836	44837	44838	44839	44840

##	2.030600e+03	2.565378e+03	2.239581e+03	2.123102e+03	2.483371e+03
##	44841	44842	44843	44844	44845
##	2.156502e+03	1.406895e+03	1.738195e+03	2.037290e+03	2.142287e+03
##	44846	44847	44848	44849	44850
##	2.136250e+03	1.914712e+03	2.277336e+03	-7.280085e+01	1.488511e+03
##	44851	44852	44853	44854	44855
##	1.429146e+03	1.278724e+03	1.265416e+03	1.665023e+03	2.378443e+03
##	44856	44857	44858	44859	44860
##	2.039970e+03	2.048856e+03	2.196140e+03	2.299433e+03	1.628830e+03
##	44861	44862	44863	44864	44865
##	2.485213e+03	1.563765e+03	1.540565e+03	1.584336e+03	1.513995e+03
##	44866	44867	44868	44869	44870
##	2.128736e+03	-5.886310e+02	2.222860e+03	2.258109e+03	2.242699e+03
##	44871	44872	44873	44874	44875
##	2.227139e+03	2.307693e+03	2.056965e+03	1.715882e+03	2.121361e+03
##	44876	44877	44878	44879	44880
##	2.476559e+03	2.258503e+03	1.839496e+03	1.994902e+03	1.935496e+03
##	44881	44882	44883	44884	44885
##	1.908860e+03	1.988333e+03	1.927953e+03	2.008377e+03	1.966140e+03
##	44886	44887	44888	44889	44890
##	1.980122e+03	1.834774e+03	2.033385e+03	1.856670e+03	1.930239e+03
##	44891	44892	44893	44894	44895
##	1.981121e+03	2.011099e+03	1.954500e+03	1.882051e+03	1.803298e+03
##	44896	44897	44898	44899	44900
##	1.786334e+03	1.788896e+03	1.842938e+03	1.869413e+03	1.983113e+03
##	44901	44902	44903	44904	44905
##	1.869627e+03	-4.619142e+02	1.893504e+03	1.745766e+03	1.701546e+03
##	44906	44907	44908	44909	44910
##	1.827707e+03	2.516066e+03	2.138188e+03	1.823596e+03	1.762917e+03
##	44911	44912	44913	44914	44915
##	1.861849e+03	2.063108e+03	2.234662e+03	2.244106e+03	1.819112e+03
##	44916	44917	44918	44919	44920
##	2.223895e+03	1.852766e+03	2.167063e+03	2.068440e+03	1.927004e+03
##	44921	44922	44923	44924	44925
##	1.633610e+03	1.447448e+03	2.137518e+03	1.901821e+03	2.424945e+03
##	44926	44927	44928	44929	44930
##	2.201316e+03	2.195220e+03	2.129771e+03	2.388525e+03	1.993205e+03
##	44931	44932	44933	44934	44935
##	2.259671e+03	2.105658e+03	1.797141e+03	2.334599e+03	1.919625e+03
##	44936	44937	44938	44939	44940
##	1.631470e+03	1.462489e+03	2.187251e+03	1.430787e+03	1.653147e+03
##	44941	44942	44943	44944	44945
##	2.178006e+03	2.270689e+03	2.219276e+03	1.972817e+03	2.192749e+03
##	44946	44947	44948	44949	44950
##	1.899321e+03	1.796152e+03	1.927990e+03	1.998115e+03	1.912004e+03
##	44951	44952	44953	44954	44955
##	2.113605e+03	1.908251e+03	2.222809e+03	2.212447e+03	2.390913e+03
##	44956	44957	44958	44959	44960
##	2.188499e+03	2.002727e+03	2.124926e+03	2.128532e+03	2.400662e+03
##	44961	44962	44963	44964	44965
##	2.032544e+03	2.307344e+03	2.027251e+03	2.044492e+03	1.524702e+03
##	44966	44967	44968	44969	44970
##	1.567139e+03	1.835437e+03	1.655797e+03	1.881699e+03	2.396222e+03
##	44971	44972	44973	44974	44975

##	-4.540448e+01	-3.057573e+01	-1.093271e+01	6.077053e+00	-1.905558e+02
##	44976	44977	44978	44979	44980
##	-2.225058e+02	-2.222475e+02	-1.538523e+02	-4.585829e+02	-4.328893e+02
##	44981	44982	44983	44984	44985
##	-1.309515e+03	-1.316708e+03	-1.353225e+03	-1.327628e+03	-1.201086e+03
##	44986	44987	44988	44989	44990
##	-1.248762e+03	-1.168961e+03	-1.319157e+03	-1.318077e+03	-1.333570e+03
##	44991	44992	44993	44994	44995
##	-1.247268e+03	-1.546551e+03	-1.293694e+03	-1.322772e+03	-1.349155e+03
##	44996	44997	44998	44999	45000
##	-1.415984e+03	-1.293096e+03	-1.350363e+03	-1.385472e+03	-1.318512e+03
##	45001	45002	45003	45004	45005
##	2.538367e+03	2.541451e+03	2.468581e+03	2.537333e+03	2.053736e+03
##	45006	45007	45008	45009	45010
##	2.248590e+03	2.251399e+03	2.229239e+03	2.238115e+03	2.234763e+03
##	45011	45012	45013	45014	45015
##	1.613294e+03	2.324130e+03	1.772616e+03	1.954450e+03	2.037907e+03
##	45016	45017	45018	45019	45020
##	2.082128e+03	1.744636e+03	1.639235e+03	1.854196e+03	1.866936e+03
##	45021	45022	45023	45024	45025
##	1.779153e+03	1.685364e+03	1.797708e+03	1.893248e+03	1.845741e+03
##	45026	45027	45028	45029	45030
##	2.049451e+03	2.034561e+03	1.928660e+03	1.937065e+03	1.729790e+03
##	45031	45032	45033	45034	45035
##	1.714818e+03	1.560921e+03	1.711801e+03	1.913422e+03	1.788968e+03
##	45036	45037	45038	45039	45040
##	1.552248e+03	1.636376e+01	1.940152e+03	1.904807e+03	2.411911e+03
##	45041	45042	45043	45044	45045
##	2.239303e+03	2.258666e+03	2.134320e+03	1.616093e+03	1.626338e+03
##	45046	45047	45048	45049	45050
##	2.177189e+03	1.950174e+03	1.472001e+03	2.083983e+03	1.949302e+03
##	45051	45052	45053	45054	45055
##	1.543581e+03	2.044145e+03	2.039644e+03	2.367656e+03	2.330090e+03
##	45056	45057	45058	45059	45060
##	1.865887e+03	1.905574e+03	1.290482e+03	1.815134e+03	2.492386e+03
##	45061	45062	45063	45064	45065
##	2.130713e+03	1.129238e+03	2.189908e+03	2.280702e+03	2.149092e+03
##	45066	45067	45068	45069	45070
##	1.512384e+03	1.807022e+03	1.912099e+03	2.430875e+03	8.429213e+02
##	45071	45072	45073	45074	45075
##	2.005828e+03	2.387763e+03	1.975945e+03	2.332084e+03	2.230838e+03
##	45076	45077	45078	45079	45080
##	2.219139e+03	2.186239e+03	1.086690e+03	2.086712e+03	2.201484e+03
##	45081	45082	45083	45084	45085
##	2.487962e+03	2.666751e+03	1.738929e+03	1.958984e+03	2.032774e+03
##	45086	45087	45088	45089	45090
##	2.154271e+03	2.225255e+03	2.085508e+03	2.228232e+03	2.165767e+03
##	45091	45092	45093	45094	45095
##	2.318591e+03	2.053912e+03	1.699027e+03	1.780197e+03	1.813340e+03
##	45096	45097	45098	45099	45100
##	2.126566e+03	2.226020e+03	2.238469e+03	2.186901e+03	2.624792e+03
##	45101	45102	45103	45104	45105
##	2.039632e+03	2.011805e+03	2.047098e+03	1.740145e+03	1.875224e+03
##	45106	45107	45108	45109	45110

##	2.512491e+03	2.436975e+03	2.378183e+03	1.924080e+03	1.501968e+03
##	45111	45112	45113	45114	45115
##	1.781073e+03	2.239003e+03	1.983767e+03	1.821850e+03	-1.050792e+03
##	45116	45117	45118	45119	45120
##	1.448399e+03	1.558758e+03	2.727164e+03	2.228582e+03	1.720691e+03
##	45121	45122	45123	45124	45125
##	2.066728e+03	2.035801e+03	1.722022e+03	1.844972e+03	-5.498765e+02
##	45126	45127	45128	45129	45130
##	1.989877e+03	2.220785e+03	2.113453e+03	2.174253e+03	2.211845e+03
##	45131	45132	45133	45134	45135
##	2.015628e+03	2.487116e+03	2.494024e+03	2.103874e+03	1.878527e+03
##	45136	45137	45138	45139	45140
##	2.233105e+03	1.760321e+03	2.109494e+03	2.584712e+03	2.395153e+03
##	45141	45142	45143	45144	45145
##	2.414069e+03	2.536823e+03	1.851152e+03	2.025321e+03	1.812820e+03
##	45146	45147	45148	45149	45150
##	1.916975e+03	1.789283e+03	1.855392e+03	1.767717e+03	1.830277e+03
##	45151	45152	45153	45154	45155
##	1.839882e+03	1.839978e+03	1.820260e+03	1.725110e+03	1.585760e+03
##	45156	45157	45158	45159	45160
##	1.659755e+03	1.643571e+03	1.427120e+03	1.456779e+03	1.500542e+03
##	45161	45162	45163	45164	45165
##	1.483877e+03	1.490937e+03	1.555699e+03	1.555177e+03	1.622011e+03
##	45166	45167	45168	45169	45170
##	1.508636e+03	1.562106e+03	2.140982e+03	1.542461e+03	1.576293e+03
##	45171	45172	45173	45174	45175
##	1.949913e+03	1.885138e+03	2.245337e+03	1.773356e+03	2.217419e+03
##	45176	45177	45178	45179	45180
##	2.235799e+03	2.026827e+03	2.545563e+03	2.184304e+03	2.071959e+03
##	45181	45182	45183	45184	45185
##	1.997185e+03	2.138776e+03	2.119004e+03	2.115920e+03	2.143209e+03
##	45186	45187	45188	45189	45190
##	2.168133e+03	2.167289e+03	1.981328e+03	1.950158e+03	2.135530e+03
##	45191	45192	45193	45194	45195
##	2.191724e+03	2.035468e+03	2.154501e+03	2.171042e+03	2.104255e+03
##	45196	45197	45198	45199	45200
##	2.147760e+03	2.187678e+03	2.017834e+03	2.001764e+03	2.133473e+03
##	45201	45202	45203	45204	45205
##	1.986134e+03	2.023643e+03	1.995176e+03	2.079688e+03	2.032433e+03
##	45206	45207	45208	45209	45210
##	2.143231e+03	2.041371e+03	2.169734e+03	2.246534e+03	2.140046e+03
##	45211	45212	45213	45214	45215
##	2.205184e+03	1.983856e+03	2.018207e+03	1.807265e+03	2.037290e+03
##	45216	45217	45218	45219	45220
##	2.108663e+03	2.128301e+03	2.112314e+03	2.107049e+03	2.073313e+03
##	45221	45222	45223	45224	45225
##	2.107831e+03	1.568141e+03	1.496159e+03	1.615842e+03	2.179361e+03
##	45226	45227	45228	45229	45230
##	2.390087e+03	1.694842e+03	1.777564e+03	2.301851e+03	2.419011e+03
##	45231	45232	45233	45234	45235
##	2.609994e+03	2.725470e+03	2.246467e+03	2.903525e+03	2.197343e+03
##	45236	45237	45238	45239	45240
##	2.219224e+03	1.634554e+03	1.667363e+03	1.878372e+03	2.462085e+03
##	45241	45242	45243	45244	45245

##	2.517959e+03	1.720767e+03	2.130150e+03	2.255989e+03	2.333730e+03
##	45246	45247	45248	45249	45250
##	2.046584e+03	2.052913e+03	1.066241e+03	2.444024e+03	2.375870e+03
##	45251	45252	45253	45254	45255
##	1.346627e+03	2.047793e+03	1.814518e+03	2.051662e+03	2.353810e+03
##	45256	45257	45258	45259	45260
##	1.825376e+03	2.063741e+03	2.021486e+03	2.361935e+03	2.247189e+03
##	45261	45262	45263	45264	45265
##	1.835030e+03	1.970864e+03	1.982560e+03	1.925599e+03	2.308231e+03
##	45266	45267	45268	45269	45270
##	2.341258e+03	1.806634e+03	1.951242e+03	1.877380e+03	2.310417e+03
##	45271	45272	45273	45274	45275
##	1.878372e+03	2.211364e+03	2.165867e+03	2.244623e+03	2.097283e+03
##	45276	45277	45278	45279	45280
##	1.792474e+03	2.374731e+03	1.969967e+03	2.242143e+03	2.302450e+03
##	45281	45282	45283	45284	45285
##	2.285678e+03	2.170719e+03	2.271163e+03	2.201550e+03	2.237800e+03
##	45286	45287	45288	45289	45290
##	2.247051e+03	2.013919e+03	2.109118e+03	2.017621e+03	2.048480e+03
##	45291	45292	45293	45294	45295
##	2.052709e+03	2.037054e+03	2.089934e+03	2.053641e+03	2.086170e+03
##	45296	45297	45298	45299	45300
##	2.044422e+03	1.942927e+03	2.148724e+03	1.900370e+03	1.887321e+03
##	45301	45302	45303	45304	45305
##	-1.328330e+03	-1.180906e+03	8.208722e+01	2.420583e+02	2.117744e+02
##	45306	45307	45308	45309	45310
##	2.161572e+02	2.059785e+02	2.073373e+02	1.941710e+02	6.792470e+02
##	45311	45312	45313	45314	45315
##	3.896507e+02	4.494468e+02	6.323829e+02	6.696540e+02	2.124392e+02
##	45316	45317	45318	45319	45320
##	3.119276e+02	4.273354e+02	1.553198e+02	4.765716e+02	-1.840158e+02
##	45321	45322	45323	45324	45325
##	4.397567e+02	-1.607182e+01	3.974078e+02	4.614394e+02	-1.355048e+02
##	45326	45327	45328	45329	45330
##	-1.575871e+02	-1.462682e+02	2.785083e+02	6.632856e+01	4.698367e+02
##	45331	45332	45333	45334	45335
##	1.941460e+03	1.830413e+03	2.030249e+03	1.953320e+03	1.758298e+03
##	45336	45337	45338	45339	45340
##	1.801164e+03	2.013816e+03	2.546130e+03	2.110426e+03	1.696276e+03
##	45341	45342	45343	45344	45345
##	1.900780e+03	6.389143e+02	1.917353e+03	2.324674e+03	2.166431e+03
##	45346	45347	45348	45349	45350
##	2.149537e+03	2.177564e+03	2.372159e+03	1.995877e+03	2.540177e+03
##	45351	45352	45353	45354	45355
##	2.197237e+03	2.173436e+03	2.024797e+03	2.262113e+03	2.450237e+03
##	45356	45357	45358	45359	45360
##	2.425863e+03	2.045468e+03	1.753534e+03	2.335631e+03	1.616110e+03
##	45361	45362	45363	45364	45365
##	2.057875e+03	2.310918e+03	2.194239e+03	2.132127e+03	1.753210e+03
##	45366	45367	45368	45369	45370
##	2.236899e+03	2.428810e+03	1.644030e+03	2.208785e+03	2.364602e+03
##	45371	45372	45373	45374	45375
##	1.384136e+03	1.994985e+03	2.114240e+03	2.633546e+03	8.290112e+02
##	45376	45377	45378	45379	45380

##	2.252768e+03	7.945979e+02	2.607072e+03	9.984477e+02	6.666316e+02
##	45381	45382	45383	45384	45385
##	7.195798e+02	2.088351e+03	2.136050e+03	1.994124e+03	2.422778e+03
##	45386	45387	45388	45389	45390
##	2.387978e+03	2.451369e+03	2.296159e+03	2.480230e+03	2.447735e+01
##	45391	45392	45393	45394	45395
##	2.178212e+03	1.874881e+03	1.799128e+03	2.178492e+03	1.975559e+03
##	45396	45397	45398	45399	45400
##	2.352250e+03	1.990544e+03	2.045956e+03	2.372067e+03	2.354317e+03
##	45401	45402	45403	45404	45405
##	2.336596e+03	2.375147e+03	2.013513e+03	2.122259e+03	2.044262e+03
##	45406	45407	45408	45409	45410
##	2.411511e+03	1.976794e+03	2.506354e+03	2.473403e+03	1.624888e+03
##	45411	45412	45413	45414	45415
##	1.647330e+03	2.160959e+03	2.183879e+03	2.129511e+03	2.341410e+03
##	45416	45417	45418	45419	45420
##	2.017735e+03	1.829002e+03	1.831395e+03	1.793555e+03	1.799459e+03
##	45421	45422	45423	45424	45425
##	1.692854e+03	1.632502e+03	1.845768e+03	1.790325e+03	1.830370e+03
##	45426	45427	45428	45429	45430
##	1.437692e+03	2.256215e+03	2.024072e+03	1.688258e+03	2.178652e+03
##	45431	45432	45433	45434	45435
##	2.071769e+03	2.673583e+03	2.007802e+03	2.026152e+03	2.309116e+03
##	45436	45437	45438	45439	45440
##	2.235219e+03	2.355345e+03	1.877782e+03	2.449534e+03	1.907313e+03
##	45441	45442	45443	45444	45445
##	2.466679e+03	2.598831e+03	5.517171e+02	6.164782e+02	2.214413e+03
##	45446	45447	45448	45449	45450
##	2.631142e+03	1.731244e+03	1.934352e+03	1.142077e+03	2.174187e+03
##	45451	45452	45453	45454	45455
##	2.255806e+03	2.444581e+03	1.423650e+03	2.189246e+03	2.182606e+03
##	45456	45457	45458	45459	45460
##	2.191578e+03	2.378437e+03	5.857146e+02	2.259848e+03	2.159263e+03
##	45461	45462	45463	45464	45465
##	1.340861e+03	1.321598e+03	1.882943e+03	2.259371e+03	2.491940e+03
##	45466	45467	45468	45469	45470
##	2.302151e+03	2.292398e+03	1.829998e+03	1.970628e+03	1.777572e+03
##	45471	45472	45473	45474	45475
##	1.900534e+03	2.014072e+03	1.988429e+03	1.805141e+03	1.858662e+03
##	45476	45477	45478	45479	45480
##	2.027521e+03	2.270948e+03	1.786148e+03	2.416659e+03	2.134029e+03
##	45481	45482	45483	45484	45485
##	2.179076e+03	2.269123e+03	2.280881e+03	2.314809e+03	1.798165e+03
##	45486	45487	45488	45489	45490
##	1.841508e+03	1.780988e+03	2.307271e+03	2.233700e+03	1.994600e+03
##	45491	45492	45493	45494	45495
##	2.226748e+03	1.705015e+03	2.390144e+03	2.375993e+03	2.335729e+03
##	45496	45497	45498	45499	45500
##	2.354139e+03	2.238521e+03	1.963243e+03	2.164512e+03	2.324624e+03
##	45501	45502	45503	45504	45505
##	2.297658e+03	2.397452e+03	2.217303e+03	1.751387e+03	2.256098e+03
##	45506	45507	45508	45509	45510
##	-2.146972e+02	2.320351e+03	2.459366e+03	2.226907e+03	2.611996e+03
##	45511	45512	45513	45514	45515

##	2.683507e+03	1.520696e+03	2.372002e+03	2.338321e+03	1.553642e+03
##	45516	45517	45518	45519	45520
##	2.648570e+03	2.650171e+03	2.350548e+03	2.191599e+03	1.856701e+03
##	45521	45522	45523	45524	45525
##	1.798839e+03	2.077028e+03	2.339291e+03	2.486789e+03	2.308738e+03
##	45526	45527	45528	45529	45530
##	2.228473e+03	2.017417e+03	2.359782e+03	2.382179e+03	1.809657e+03
##	45531	45532	45533	45534	45535
##	1.849450e+03	2.046402e+03	2.483370e+03	2.004966e+03	1.301942e+03
##	45536	45537	45538	45539	45540
##	1.480085e+03	1.716533e+03	2.040865e+03	2.063049e+03	1.933804e+03
##	45541	45542	45543	45544	45545
##	1.911930e+03	2.008974e+03	1.966205e+03	1.691346e+03	1.611368e+03
##	45546	45547	45548	45549	45550
##	1.541354e+03	1.573143e+03	1.586065e+03	1.650047e+03	1.739750e+03
##	45551	45552	45553	45554	45555
##	1.718606e+03	1.595559e+03	1.564435e+03	1.601189e+03	1.691137e+03
##	45556	45557	45558	45559	45560
##	1.977428e+03	2.199290e+03	2.011763e+03	2.095855e+03	2.402637e+03
##	45561	45562	45563	45564	45565
##	2.189355e+03	2.182586e+03	1.974480e+03	2.206612e+03	2.242420e+03
##	45566	45567	45568	45569	45570
##	2.189845e+03	2.224034e+03	2.122346e+03	2.129306e+03	2.067522e+03
##	45571	45572	45573	45574	45575
##	2.047909e+03	2.215228e+03	2.221797e+03	2.189421e+03	2.116065e+03
##	45576	45577	45578	45579	45580
##	2.069458e+03	2.223267e+03	2.118835e+03	2.311699e+03	2.244556e+03
##	45581	45582	45583	45584	45585
##	2.028406e+03	2.314666e+03	2.229890e+03	2.240219e+03	2.183518e+03
##	45586	45587	45588	45589	45590
##	2.224098e+03	2.224884e+03	2.780995e+03	2.107060e+03	2.107632e+03
##	45591	45592	45593	45594	45595
##	2.086017e+03	2.172145e+03	1.410978e+03	2.383778e+03	2.111566e+03
##	45596	45597	45598	45599	45600
##	2.373676e+03	2.289153e+03	2.266202e+03	2.223646e+03	1.815352e+03
##	45601	45602	45603	45604	45605
##	2.072394e+03	2.077567e+03	2.025700e+03	7.889854e+02	1.546617e+03
##	45606	45607	45608	45609	45610
##	1.014305e+03	2.095970e+03	2.351579e+03	1.934299e+03	2.069852e+03
##	45611	45612	45613	45614	45615
##	2.280098e+03	2.150568e+03	1.918272e+03	6.694519e+02	1.219941e+03
##	45616	45617	45618	45619	45620
##	2.122577e+03	1.966801e+03	1.933800e+03	2.361894e+03	2.371029e+03
##	45621	45622	45623	45624	45625
##	2.397599e+03	1.951675e+03	2.367798e+03	2.272156e+03	2.101703e+03
##	45626	45627	45628	45629	45630
##	1.544692e+03	2.320518e+03	1.812917e+03	2.118959e+03	2.183773e+03
##	45631	45632	45633	45634	45635
##	-1.338877e+02	3.786934e+02	3.208359e+02	6.417188e+02	6.601481e+02
##	45636	45637	45638	45639	45640
##	6.758815e+02	6.889482e+02	6.394209e+02	6.919187e+02	8.104339e+02
##	45641	45642	45643	45644	45645
##	-4.880270e+02	7.442774e+02	6.997112e+02	7.141520e+02	7.159105e+02
##	45646	45647	45648	45649	45650

##	7.037096e+02	3.172785e+02	2.605794e+02	2.683102e+02	3.023733e+02
##	45651	45652	45653	45654	45655
##	-1.593144e+03	-1.603631e+03	-1.600548e+03	6.007027e+02	1.778717e+02
##	45656	45657	45658	45659	45660
##	8.841009e+02	9.828708e+02	-1.348640e+02	1.085412e+03	8.498176e+02
##	45661	45662	45663	45664	45665
##	1.490516e+03	1.979588e+03	2.398834e+03	2.041375e+03	2.189061e+03
##	45666	45667	45668	45669	45670
##	2.192094e+03	2.475042e+03	2.220856e+03	2.198208e+03	2.169437e+03
##	45671	45672	45673	45674	45675
##	2.135655e+03	2.129553e+03	2.195394e+03	1.951847e+03	2.053814e+03
##	45676	45677	45678	45679	45680
##	1.988192e+03	2.160683e+03	1.737454e+03	2.197826e+03	2.055827e+03
##	45681	45682	45683	45684	45685
##	2.297764e+03	2.299213e+03	2.292097e+03	2.283364e+03	2.141690e+03
##	45686	45687	45688	45689	45690
##	2.302251e+03	2.235321e+03	8.080364e+02	1.084946e+03	2.223289e+03
##	45691	45692	45693	45694	45695
##	2.296206e+03	2.485643e+03	2.425786e+03	1.003037e+03	9.229189e+02
##	45696	45697	45698	45699	45700
##	2.217518e+03	6.576704e+02	2.236018e+03	2.254352e+03	2.639881e+03
##	45701	45702	45703	45704	45705
##	2.608792e+03	2.473393e+03	1.977237e+03	1.890336e+03	1.909719e+03
##	45706	45707	45708	45709	45710
##	2.193648e+03	2.209405e+03	1.991100e+03	2.232913e+03	2.189519e+03
##	45711	45712	45713	45714	45715
##	2.215360e+03	2.098070e+03	2.100747e+03	2.210516e+03	2.223205e+03
##	45716	45717	45718	45719	45720
##	1.861850e+03	1.870771e+03	1.903347e+03	1.839813e+03	2.386655e+03
##	45721	45722	45723	45724	45725
##	2.211410e+03	2.328386e+03	1.954774e+03	1.833216e+03	2.141437e+03
##	45726	45727	45728	45729	45730
##	1.317621e+03	2.329252e+03	1.901192e+03	1.704905e+03	2.264390e+03
##	45731	45732	45733	45734	45735
##	-2.844832e+02	4.415181e+02	2.496181e+03	1.754041e+03	1.793261e+03
##	45736	45737	45738	45739	45740
##	1.919067e+03	1.906164e+03	1.418990e+03	2.456442e+03	2.616247e+03
##	45741	45742	45743	45744	45745
##	1.789746e+03	1.439301e+03	2.111872e+03	2.248386e+03	2.089313e+03
##	45746	45747	45748	45749	45750
##	2.455106e+03	2.253729e+03	1.699808e+03	2.002081e+03	2.353425e+03
##	45751	45752	45753	45754	45755
##	8.970179e+02	2.137170e+03	2.482935e+03	2.763340e+03	2.684761e+03
##	45756	45757	45758	45759	45760
##	1.663053e+03	2.510817e+03	1.931250e+03	8.157529e+01	-1.939177e+02
##	45761	45762	45763	45764	45765
##	1.516980e+03	2.376734e+03	2.193226e+03	2.175164e+03	2.604065e+03
##	45766	45767	45768	45769	45770
##	2.485189e+03	2.170752e+03	1.841806e+03	2.354859e+03	2.244516e+03
##	45771	45772	45773	45774	45775
##	2.760052e+03	2.540498e+03	2.292800e+03	2.325019e+03	2.063002e+03
##	45776	45777	45778	45779	45780
##	2.613235e+03	2.481408e+03	2.227755e+03	2.196495e+03	2.175835e+03
##	45781	45782	45783	45784	45785

##	2.477787e+03	2.142950e+03	1.845871e+03	1.899020e+03	2.605648e+03
##	45786	45787	45788	45789	45790
##	2.236253e+03	1.990239e+03	1.668514e+03	2.092002e+03	2.226470e+03
##	45791	45792	45793	45794	45795
##	2.377977e+03	2.379899e+03	1.904045e+03	1.959929e+03	2.123027e+03
##	45796	45797	45798	45799	45800
##	1.916763e+03	1.930710e+03	1.931250e+03	1.235111e+03	2.043194e+03
##	45801	45802	45803	45804	45805
##	1.877635e+03	1.700840e+03	2.167433e+03	2.138823e+03	2.209258e+03
##	45806	45807	45808	45809	45810
##	2.202831e+03	2.242750e+03	2.071574e+03	2.107433e+03	2.022287e+03
##	45811	45812	45813	45814	45815
##	2.179414e+03	1.693609e+03	2.544898e+03	2.162702e+03	2.597091e+03
##	45816	45817	45818	45819	45820
##	2.229530e+03	2.180780e+03	2.581454e+03	1.467789e+03	2.582286e+03
##	45821	45822	45823	45824	45825
##	2.449268e+03	2.368601e+03	2.543459e+03	1.853661e+03	1.884620e+03
##	45826	45827	45828	45829	45830
##	1.750659e+03	2.210227e+03	2.027023e+03	4.677282e+02	1.449603e+03
##	45831	45832	45833	45834	45835
##	9.557856e+02	2.415168e+03	2.324085e+03	1.611438e+03	2.036350e+03
##	45836	45837	45838	45839	45840
##	2.457374e+03	2.449640e+03	2.418124e+03	1.427387e+03	7.891905e+02
##	45841	45842	45843	45844	45845
##	2.026037e+03	2.209992e+03	2.123800e+03	2.095124e+03	2.203515e+03
##	45846	45847	45848	45849	45850
##	2.092985e+03	2.289500e+03	2.317811e+03	1.588453e+03	2.324314e+03
##	45851	45852	45853	45854	45855
##	2.188789e+03	2.367372e+03	2.046411e+03	2.087596e+03	1.751562e+03
##	45856	45857	45858	45859	45860
##	1.924570e+03	1.805849e+03	2.171442e+03	1.639158e+03	1.666631e+03
##	45861	45862	45863	45864	45865
##	-9.578337e+02	2.154236e+03	6.785176e+02	2.390491e+03	1.193187e+03
##	45866	45867	45868	45869	45870
##	-1.558303e+02	-5.384285e+02	2.275924e+03	2.317781e+03	2.170449e+03
##	45871	45872	45873	45874	45875
##	2.190103e+03	2.189419e+03	2.341785e+03	2.202839e+03	2.276230e+03
##	45876	45877	45878	45879	45880
##	2.354992e+03	2.287381e+03	1.819345e+03	2.344997e+03	2.768285e+03
##	45881	45882	45883	45884	45885
##	1.951578e+03	1.887709e+03	1.725833e+03	2.257352e+03	2.392193e+03
##	45886	45887	45888	45889	45890
##	2.431098e+03	1.928427e+03	1.148302e+03	8.330946e+02	2.067113e+03
##	45891	45892	45893	45894	45895
##	2.165037e+03	2.029344e+03	2.123203e+03	1.967064e+03	1.966491e+03
##	45896	45897	45898	45899	45900
##	1.779938e+03	1.782707e+03	1.835285e+03	1.669859e+03	1.740885e+03
##	45901	45902	45903	45904	45905
##	1.748047e+03	1.745014e+03	1.728095e+03	1.711181e+03	1.745543e+03
##	45906	45907	45908	45909	45910
##	2.185737e+03	1.730709e+03	1.690648e+03	8.593020e+02	1.715723e+03
##	45911	45912	45913	45914	45915
##	2.185844e+03	2.321317e+03	2.307991e+03	2.177636e+03	2.313568e+03
##	45916	45917	45918	45919	45920

##	2.265351e+03	2.308724e+03	2.303605e+03	2.294830e+03	2.162975e+03
##	45921	45922	45923	45924	45925
##	2.272659e+03	2.291921e+03	2.277878e+03	2.340942e+03	2.263099e+03
##	45926	45927	45928	45929	45930
##	2.357222e+03	2.209135e+03	2.306294e+03	2.181779e+03	2.324175e+03
##	45931	45932	45933	45934	45935
##	2.199935e+03	2.243248e+03	2.192943e+03	1.760266e+03	2.211245e+03
##	45936	45937	45938	45939	45940
##	2.275103e+03	2.112230e+03	2.337580e+03	2.503910e+03	2.234524e+03
##	45941	45942	45943	45944	45945
##	2.221358e+03	2.248471e+03	2.332802e+03	2.559829e+03	2.316331e+03
##	45946	45947	45948	45949	45950
##	2.457398e+03	2.004196e+03	2.119204e+03	2.133344e+03	2.477848e+03
##	45951	45952	45953	45954	45955
##	1.987088e+03	1.992385e+03	2.153230e+03	2.004084e+03	2.111470e+03
##	45956	45957	45958	45959	45960
##	2.346720e+03	2.407108e+03	2.482666e+03	2.093608e+03	2.016936e+03
##	45961	45962	45963	45964	45965
##	7.695188e+02	9.109519e+02	9.227141e+02	1.120705e+03	8.301658e+02
##	45966	45967	45968	45969	45970
##	-5.634850e+02	7.819460e+02	-2.041721e+03	1.684821e+02	-1.395074e+02
##	45971	45972	45973	45974	45975
##	6.990104e+01	2.384658e+01	-3.230045e+02	-1.635709e+02	1.933117e+02
##	45976	45977	45978	45979	45980
##	2.879465e+01	1.299862e+01	8.892231e+01	1.519454e+02	-1.153635e+02
##	45981	45982	45983	45984	45985
##	-3.095346e+02	3.421619e+01	-1.548493e+02	-8.859337e+01	1.259028e+02
##	45986	45987	45988	45989	45990
##	4.288289e+01	1.960713e+02	-1.717176e+02	-2.891057e+02	-2.693360e+01
##	45991	45992	45993	45994	45995
##	2.237011e+03	1.136724e+02	1.080570e+03	2.254644e+03	2.311198e+03
##	45996	45997	45998	45999	46000
##	2.531657e+03	1.730712e+03	2.401868e+03	2.633348e+03	6.939546e+02
##	46001	46002	46003	46004	46005
##	2.373382e+03	2.365052e+03	2.333357e+03	2.581963e+03	1.799470e+03
##	46006	46007	46008	46009	46010
##	2.084650e+03	2.408300e+03	2.368562e+03	2.198420e+03	2.362014e+03
##	46011	46012	46013	46014	46015
##	2.513922e+03	2.179060e+03	2.312805e+03	2.245859e+03	2.127787e+03
##	46016	46017	46018	46019	46020
##	2.151947e+03	2.203049e+03	2.226919e+03	2.264895e+03	1.960774e+03
##	46021	46022	46023	46024	46025
##	2.209694e+03	2.139536e+03	2.581157e+03	2.623815e+03	2.613783e+03
##	46026	46027	46028	46029	46030
##	2.389002e+03	2.289400e+03	2.047931e+03	1.928865e+03	2.285125e+03
##	46031	46032	46033	46034	46035
##	2.261522e+03	2.212613e+03	2.193481e+03	2.228730e+03	2.219367e+03
##	46036	46037	46038	46039	46040
##	1.907239e+03	1.956816e+03	1.949605e+03	1.950294e+03	1.869495e+03
##	46041	46042	46043	46044	46045
##	1.840859e+03	1.848208e+03	2.317502e+03	2.405866e+03	2.078180e+03
##	46046	46047	46048	46049	46050
##	8.306277e+02	2.380450e+03	1.841934e+03	2.286352e+03	2.301343e+03
##	46051	46052	46053	46054	46055

##	2.451283e+03	2.658914e+03	1.523303e+03	1.513337e+03	1.560448e+03
##	46056	46057	46058	46059	46060
##	2.013359e+03	2.032238e+03	2.506287e+03	1.543716e+03	2.093061e+03
##	46061	46062	46063	46064	46065
##	2.229920e+03	2.411563e+03	8.050052e+02	7.507917e+02	2.285518e+03
##	46066	46067	46068	46069	46070
##	1.849429e+03	-8.674463e+02	1.478287e+03	2.070387e+03	2.388475e+03
##	46071	46072	46073	46074	46075
##	2.296498e+03	2.320221e+03	2.351995e+03	1.896404e+03	1.819150e+03
##	46076	46077	46078	46079	46080
##	2.472291e+03	2.287147e+03	1.930232e+03	2.533717e+03	2.304715e+03
##	46081	46082	46083	46084	46085
##	1.639901e+03	1.540406e+03	2.107752e+03	2.121818e+03	2.271826e+03
##	46086	46087	46088	46089	46090
##	2.278548e+03	2.464311e+03	2.483827e+03	2.300747e+03	2.289624e+03
##	46091	46092	46093	46094	46095
##	2.390612e+03	-2.294721e+02	-5.480506e+01	2.323832e+03	2.507993e+03
##	46096	46097	46098	46099	46100
##	1.782540e+03	1.713119e+03	2.688277e+03	2.419294e+03	2.051586e+03
##	46101	46102	46103	46104	46105
##	2.420944e+03	2.392502e+03	2.508434e+03	2.754115e+03	2.538929e+03
##	46106	46107	46108	46109	46110
##	2.391352e+03	2.263177e+03	2.135227e+03	2.326127e+03	2.315183e+03
##	46111	46112	46113	46114	46115
##	2.221651e+03	2.297130e+03	2.264767e+03	2.236651e+03	2.192162e+03
##	46116	46117	46118	46119	46120
##	2.001815e+03	2.631589e+03	1.878840e+03	2.251717e+03	2.172520e+03
##	46121	46122	46123	46124	46125
##	2.144955e+03	2.090432e+03	2.238499e+03	1.924565e+03	2.264990e+03
##	46126	46127	46128	46129	46130
##	2.405393e+03	2.369932e+03	2.387484e+03	2.336312e+03	2.238385e+03
##	46131	46132	46133	46134	46135
##	1.948875e+03	1.021298e+03	2.404048e+03	2.123862e+03	2.038389e+03
##	46136	46137	46138	46139	46140
##	2.109602e+03	2.434428e+03	2.416848e+03	2.313580e+03	2.158778e+03
##	46141	46142	46143	46144	46145
##	7.799086e+02	8.217144e+02	1.957778e+03	1.910455e+03	2.068621e+03
##	46146	46147	46148	46149	46150
##	1.982111e+03	2.234228e+03	1.941238e+03	1.927403e+03	1.868511e+03
##	46151	46152	46153	46154	46155
##	1.987076e+03	1.976162e+03	1.862921e+03	1.878655e+03	2.048669e+03
##	46156	46157	46158	46159	46160
##	1.885216e+03	1.982521e+03	2.029368e+03	1.979651e+03	2.068882e+03
##	46161	46162	46163	46164	46165
##	2.026026e+03	1.839594e+03	1.872707e+03	2.016993e+03	2.043366e+03
##	46166	46167	46168	46169	46170
##	2.016841e+03	1.966223e+03	1.909573e+03	1.873589e+03	1.949679e+03
##	46171	46172	46173	46174	46175
##	1.916358e+03	1.913797e+03	2.037462e+03	2.043726e+03	1.827751e+03
##	46176	46177	46178	46179	46180
##	1.893439e+03	1.914191e+03	2.494127e+03	2.517899e+03	1.814534e+03
##	46181	46182	46183	46184	46185
##	1.899264e+03	1.523676e+03	2.463013e+03	2.606716e+03	2.284438e+03
##	46186	46187	46188	46189	46190

##	1.993200e+03	2.546465e+03	2.191233e+03	2.202265e+03	1.186343e+03
##	46191	46192	46193	46194	46195
##	2.129334e+03	2.225385e+03	2.307841e+03	2.419385e+03	2.195844e+03
##	46196	46197	46198	46199	46200
##	1.955180e+03	2.174461e+03	7.926656e+02	2.269820e+03	1.475100e+02
##	46201	46202	46203	46204	46205
##	2.419086e+03	1.895045e+03	3.978090e+02	2.752689e+03	2.438297e+03
##	46206	46207	46208	46209	46210
##	2.265444e+03	2.510507e+03	2.385683e+03	2.542936e+03	2.215160e+03
##	46211	46212	46213	46214	46215
##	2.631598e+03	2.256606e+03	2.382525e+03	1.886295e+03	1.730886e+03
##	46216	46217	46218	46219	46220
##	2.141075e+03	1.977451e+03	2.620912e+03	2.698721e+03	1.745508e+03
##	46221	46222	46223	46224	46225
##	2.125200e+03	2.167236e+03	2.169062e+03	2.102066e+03	2.679952e+03
##	46226	46227	46228	46229	46230
##	2.549685e+03	2.260248e+03	2.062169e+03	2.293934e+03	2.119816e+03
##	46231	46232	46233	46234	46235
##	2.068634e+03	2.082739e+03	2.164365e+03	2.234509e+03	2.651023e+03
##	46236	46237	46238	46239	46240
##	2.372960e+03	1.710831e+03	2.670827e+03	2.183181e+03	2.171888e+03
##	46241	46242	46243	46244	46245
##	2.067934e+03	2.037904e+03	2.193948e+03	2.172855e+03	1.737206e+03
##	46246	46247	46248	46249	46250
##	1.841492e+03	1.772703e+03	1.845574e+03	1.778397e+03	1.812051e+03
##	46251	46252	46253	46254	46255
##	1.732610e+03	2.472888e+03	2.232703e+03	2.182475e+03	2.288836e+03
##	46256	46257	46258	46259	46260
##	2.125884e+03	2.372992e+03	2.288264e+03	2.367660e+03	2.494457e+03
##	46261	46262	46263	46264	46265
##	2.405828e+03	2.364070e+03	2.388915e+03	2.186814e+03	2.376025e+03
##	46266	46267	46268	46269	46270
##	2.394100e+03	2.299760e+03	2.363873e+03	2.398847e+03	2.366317e+03
##	46271	46272	46273	46274	46275
##	2.341055e+03	2.445043e+03	2.418238e+03	2.512988e+03	2.268545e+03
##	46276	46277	46278	46279	46280
##	2.335394e+03	2.698037e+03	2.454819e+03	2.510691e+03	2.448153e+03
##	46281	46282	46283	46284	46285
##	2.400829e+03	2.295227e+03	2.234711e+03	2.575355e+03	1.768868e+03
##	46286	46287	46288	46289	46290
##	2.829525e+03	2.609694e+03	2.282147e+03	1.586499e+03	7.114180e+02
##	46291	46292	46293	46294	46295
##	5.879158e+01	6.541318e+01	2.892161e+02	-2.543483e+01	3.147307e+02
##	46296	46297	46298	46299	46300
##	-7.104434e+01	-9.827466e+01	-1.641461e+02	-1.768046e+02	1.719273e+02
##	46301	46302	46303	46304	46305
##	1.619373e+02	1.772292e+02	3.898983e+01	-3.283736e+01	3.226581e+02
##	46306	46307	46308	46309	46310
##	-3.183545e+02	-1.781414e+02	-2.473184e+01	3.144058e+02	-5.759570e+01
##	46311	46312	46313	46314	46315
##	1.778311e+02	-7.749679e+01	1.428619e+02	3.242244e+02	-1.847218e+02
##	46316	46317	46318	46319	46320
##	-6.953412e+00	-2.312018e+02	-7.750946e+00	-1.425857e+02	1.877216e+02
##	46321	46322	46323	46324	46325

##	1.877618e+03	2.528877e+03	2.202299e+03	2.021275e+03	2.092502e+03
##	46326	46327	46328	46329	46330
##	2.568126e+03	2.350198e+03	2.155261e+03	2.460096e+03	2.423033e+03
##	46331	46332	46333	46334	46335
##	2.296400e+03	2.264045e+03	2.393383e+03	2.118431e+03	1.991829e+03
##	46336	46337	46338	46339	46340
##	2.057962e+03	2.359947e+03	2.077638e+03	2.074033e+03	2.193324e+03
##	46341	46342	46343	46344	46345
##	1.867536e+03	2.024128e+03	2.114611e+03	2.008141e+03	3.046620e+03
##	46346	46347	46348	46349	46350
##	1.902376e+03	2.170133e+03	-8.345884e+02	1.779832e+03	2.199235e+03
##	46351	46352	46353	46354	46355
##	2.391872e+03	2.448543e+03	1.906013e+03	2.326240e+03	2.493122e+03
##	46356	46357	46358	46359	46360
##	8.668936e+02	2.425500e+03	2.416369e+03	2.210268e+03	2.126465e+03
##	46361	46362	46363	46364	46365
##	1.758994e+03	2.500736e+03	2.477295e+03	2.473406e+03	2.355508e+03
##	46366	46367	46368	46369	46370
##	2.253415e+03	2.119338e+03	2.251105e+03	2.200505e+03	2.400496e+03
##	46371	46372	46373	46374	46375
##	2.378146e+03	-5.631766e+02	2.437527e+03	2.413950e+03	2.400271e+03
##	46376	46377	46378	46379	46380
##	2.676828e+03	2.417590e+03	1.918348e+03	-7.364963e+02	2.487634e+03
##	46381	46382	46383	46384	46385
##	1.489504e+03	1.621429e+03	2.540513e+03	2.164673e+03	2.390105e+03
##	46386	46387	46388	46389	46390
##	2.546258e+03	-3.355504e+01	2.290099e+03	2.100197e+03	2.760458e+03
##	46391	46392	46393	46394	46395
##	2.108947e+03	2.061019e+03	2.171001e+03	2.111676e+03	1.829975e+03
##	46396	46397	46398	46399	46400
##	1.849953e+03	1.603303e+03	2.303992e+03	2.369669e+03	2.432505e+03
##	46401	46402	46403	46404	46405
##	2.480231e+03	2.061866e+03	1.462260e+03	2.195636e+03	2.421696e+03
##	46406	46407	46408	46409	46410
##	2.390161e+03	2.321905e+03	2.436959e+03	2.188124e+03	2.438778e+03
##	46411	46412	46413	46414	46415
##	-3.172786e+01	2.375577e+03	1.717294e+03	2.165881e+03	2.188603e+03
##	46416	46417	46418	46419	46420
##	2.200302e+03	2.636214e+03	2.431731e+03	2.332117e+03	2.027331e+03
##	46421	46422	46423	46424	46425
##	2.005344e+03	1.653999e+03	2.026836e+03	2.306132e+03	1.683060e+03
##	46426	46427	46428	46429	46430
##	2.292853e+03	2.512600e+03	2.379473e+03	2.073261e+03	1.826350e+03
##	46431	46432	46433	46434	46435
##	1.216211e+03	2.488692e+03	2.900410e+03	2.567584e+03	1.934865e+03
##	46436	46437	46438	46439	46440
##	2.022760e+03	2.050674e+03	2.065596e+03	2.984457e+03	2.644510e+03
##	46441	46442	46443	46444	46445
##	2.658468e+03	2.567585e+03	2.408725e+03	2.310812e+03	2.363450e+03
##	46446	46447	46448	46449	46450
##	1.994044e+03	2.233770e+03	2.861851e+03	2.441240e+03	-2.383360e+02
##	46451	46452	46453	46454	46455
##	1.819529e+03	2.005496e+03	2.285801e+03	2.405439e+03	2.383778e+03
##	46456	46457	46458	46459	46460

##	1.266531e+03	2.369390e+03	2.452925e+03	2.346320e+03	2.559550e+03
##	46461	46462	46463	46464	46465
##	2.480994e+03	1.417863e+03	1.477328e+03	2.731989e+03	2.132515e+03
##	46466	46467	46468	46469	46470
##	1.329750e+03	2.245748e+03	2.614386e+03	1.387045e+03	5.885493e+02
##	46471	46472	46473	46474	46475
##	1.029954e+03	2.288537e+03	2.459222e+03	2.083999e+03	2.130998e+03
##	46476	46477	46478	46479	46480
##	2.179468e+03	-9.061356e+02	2.398961e+03	2.350526e+03	2.234749e+03
##	46481	46482	46483	46484	46485
##	2.261825e+03	1.763410e+03	2.390016e+03	1.967308e+03	2.142839e+03
##	46486	46487	46488	46489	46490
##	7.410044e+02	1.467780e+03	2.543997e+03	2.558521e+03	2.461415e+03
##	46491	46492	46493	46494	46495
##	2.278363e+03	2.451068e+03	2.185021e+03	2.428884e+03	2.430918e+03
##	46496	46497	46498	46499	46500
##	2.458178e+03	2.480626e+03	2.358885e+03	2.045643e+03	2.035302e+03
##	46501	46502	46503	46504	46505
##	1.777732e+03	2.054934e+03	2.389800e+03	1.395668e+03	2.468719e+03
##	46506	46507	46508	46509	46510
##	2.393711e+03	2.460071e+03	2.603688e+03	2.607390e+03	2.427126e+03
##	46511	46512	46513	46514	46515
##	2.509439e+03	2.434697e+03	2.711769e+03	2.208361e+03	1.673855e+03
##	46516	46517	46518	46519	46520
##	1.995685e+03	2.256496e+03	2.254051e+03	2.243563e+03	2.171366e+03
##	46521	46522	46523	46524	46525
##	2.136785e+03	2.136753e+03	2.144747e+03	2.008438e+03	2.139198e+03
##	46526	46527	46528	46529	46530
##	2.112673e+03	1.990478e+03	1.971150e+03	2.130327e+03	2.118418e+03
##	46531	46532	46533	46534	46535
##	1.981653e+03	1.923687e+03	2.103397e+03	2.064279e+03	2.011579e+03
##	46536	46537	46538	46539	46540
##	1.965777e+03	2.087586e+03	2.117240e+03	2.123965e+03	2.096867e+03
##	46541	46542	46543	46544	46545
##	2.078127e+03	1.997849e+03	1.944283e+03	1.971228e+03	2.071599e+03
##	46546	46547	46548	46549	46550
##	2.098646e+03	1.934626e+03	2.075205e+03	2.042777e+03	2.112695e+03
##	46551	46552	46553	46554	46555
##	2.089152e+03	1.913582e+03	2.102937e+03	1.972749e+03	1.932962e+03
##	46556	46557	46558	46559	46560
##	2.076513e+03	2.061781e+03	1.875320e+03	1.799074e+03	1.974395e+03
##	46561	46562	46563	46564	46565
##	1.815591e+03	1.910319e+03	2.487422e+03	2.431549e+03	2.342501e+03
##	46566	46567	46568	46569	46570
##	2.534761e+03	2.381297e+03	1.973674e+03	1.973674e+03	2.322725e+03
##	46571	46572	46573	46574	46575
##	2.584803e+03	2.482223e+03	2.624640e+03	1.635700e+03	1.765413e+03
##	46576	46577	46578	46579	46580
##	-1.102802e+03	2.498636e+03	1.805109e+03	2.203870e+03	9.453447e+02
##	46581	46582	46583	46584	46585
##	2.643759e+03	1.673784e+03	2.387584e+03	2.472085e+03	2.518754e+03
##	46586	46587	46588	46589	46590
##	2.308896e+03	2.327624e+03	2.349059e+03	2.249670e+03	2.394767e+03
##	46591	46592	46593	46594	46595

##	2.076925e+03	2.218913e+03	2.175474e+03	2.313659e+03	2.310722e+03
##	46596	46597	46598	46599	46600
##	2.259524e+03	2.216653e+03	2.094616e+03	2.277695e+03	1.908894e+03
##	46601	46602	46603	46604	46605
##	1.952024e+03	1.910527e+03	1.857023e+03	1.839855e+03	1.950507e+03
##	46606	46607	46608	46609	46610
##	1.883198e+03	1.807477e+03	1.884884e+03	1.861869e+03	2.400879e+03
##	46611	46612	46613	46614	46615
##	-1.178911e+03	2.453807e+03	2.325723e+03	2.161199e+03	2.188930e+03
##	46616	46617	46618	46619	46620
##	2.323730e+03	2.374953e+03	2.331824e+03	2.321169e+03	2.299299e+03
##	46621	46622	46623	46624	46625
##	1.544917e+01	1.498504e+02	2.098129e+02	7.571223e-02	8.124128e+00
##	46626	46627	46628	46629	46630
##	-2.257954e+01	-1.219853e+02	1.069949e+02	3.797398e+02	-8.074981e+01
##	46631	46632	46633	46634	46635
##	1.577867e+02	-1.298563e+02	2.259835e+01	-1.196776e+02	-2.120986e+02
##	46636	46637	46638	46639	46640
##	-3.678136e+02	3.799527e+02	-3.720885e+02	-7.123302e+01	-3.171969e+02
##	46641	46642	46643	46644	46645
##	-1.329409e+02	-1.563304e+02	-8.440157e+01	-1.643211e+03	-4.720945e+01
##	46646	46647	46648	46649	46650
##	-2.034655e+02	1.434926e+02	-1.373718e+02	1.778311e+02	-1.568381e+02
##	46651	46652	46653	46654	46655
##	2.281871e+03	2.331875e+03	2.325611e+03	2.305254e+03	2.353435e+03
##	46656	46657	46658	46659	46660
##	2.371560e+03	2.318253e+03	2.310422e+03	2.324891e+03	2.364040e+03
##	46661	46662	46663	46664	46665
##	2.358202e+03	2.384088e+03	2.346700e+03	2.735313e+03	2.500177e+03
##	46666	46667	46668	46669	46670
##	5.654916e+02	-1.814995e+02	2.240604e+01	1.587006e+03	1.784352e+03
##	46671	46672	46673	46674	46675
##	2.628536e+03	2.771729e+03	2.479105e+03	2.376984e+03	1.963725e+03
##	46676	46677	46678	46679	46680
##	2.126671e+03	2.166701e+03	2.142900e+03	2.071470e+03	-1.547021e+03
##	46681	46682	46683	46684	46685
##	1.982156e+03	2.154601e+03	1.101757e+03	1.515538e+03	1.787744e+03
##	46686	46687	46688	46689	46690
##	1.648464e+03	2.196193e+03	2.566357e+03	2.592831e+03	1.712495e+03
##	46691	46692	46693	46694	46695
##	2.322465e+03	2.283181e+03	2.748302e+03	2.828962e+03	2.698518e+03
##	46696	46697	46698	46699	46700
##	2.073525e+03	1.323390e+03	2.500335e+03	2.593459e+03	1.844860e+03
##	46701	46702	46703	46704	46705
##	2.290806e+03	2.449694e+03	2.390297e+03	2.316728e+03	1.025042e+03
##	46706	46707	46708	46709	46710
##	1.967093e+03	1.870878e+03	1.795085e+03	1.696995e+03	2.432688e+03
##	46711	46712	46713	46714	46715
##	2.455460e+03	2.151116e+03	2.333410e+03	2.217767e+03	2.243187e+03
##	46716	46717	46718	46719	46720
##	1.883063e+03	2.002374e+03	2.370796e+03	2.072931e+03	2.130008e+03
##	46721	46722	46723	46724	46725
##	2.130221e+03	2.306446e+03	2.465608e+03	2.563502e+03	1.900974e+03
##	46726	46727	46728	46729	46730

##	2.173762e+03	2.263548e+03	7.015552e+02	8.019183e+02	2.550711e+03
##	46731	46732	46733	46734	46735
##	2.121925e+03	2.457240e+03	-7.070215e+02	2.712431e+03	2.661258e+03
##	46736	46737	46738	46739	46740
##	2.581237e+03	2.513342e+03	1.398660e+03	2.195329e+03	2.871660e+03
##	46741	46742	46743	46744	46745
##	2.455734e+03	2.590741e+03	4.555865e+02	1.111540e+03	1.057533e+03
##	46746	46747	46748	46749	46750
##	2.265167e+03	1.825266e+03	2.266164e+03	2.421962e+03	2.244667e+03
##	46751	46752	46753	46754	46755
##	2.206341e+03	2.205459e+03	2.291839e+03	2.186949e+03	2.167660e+03
##	46756	46757	46758	46759	46760
##	2.529709e+03	2.449406e+03	2.153830e+03	1.333100e+03	2.649974e+03
##	46761	46762	46763	46764	46765
##	2.269590e+03	2.715640e+03	2.539081e+03	6.920309e+02	2.251257e+03
##	46766	46767	46768	46769	46770
##	2.251683e+03	2.193066e+03	2.386123e+03	1.045110e+03	2.388374e+03
##	46771	46772	46773	46774	46775
##	2.511883e+03	1.327356e+03	2.237395e+03	2.266292e+03	2.113671e+03
##	46776	46777	46778	46779	46780
##	2.175045e+03	2.700952e+03	9.976851e+02	2.332827e+03	2.410626e+03
##	46781	46782	46783	46784	46785
##	2.688958e+03	-1.686377e+02	2.746065e+03	2.144155e+03	-2.887345e+02
##	46786	46787	46788	46789	46790
##	2.303412e+03	2.219442e+03	2.214436e+03	2.098987e+03	2.549465e+03
##	46791	46792	46793	46794	46795
##	2.515241e+03	2.199301e+03	2.218519e+03	2.214817e+03	2.253611e+03
##	46796	46797	46798	46799	46800
##	2.044231e+03	2.093264e+03	2.132161e+03	1.731722e+03	1.902308e+03
##	46801	46802	46803	46804	46805
##	1.916336e+03	2.015421e+03	2.297453e+03	1.344443e+03	2.237070e+03
##	46806	46807	46808	46809	46810
##	2.020406e+03	2.414061e+03	1.109074e+03	1.329341e+03	1.997746e+03
##	46811	46812	46813	46814	46815
##	2.165095e+03	2.149388e+03	2.138525e+03	2.287245e+03	2.409035e+03
##	46816	46817	46818	46819	46820
##	2.422381e+03	1.788809e+03	2.878959e+03	1.444343e+03	2.126190e+03
##	46821	46822	46823	46824	46825
##	2.282143e+03	1.157186e+03	1.466844e+02	-2.588712e+02	2.498756e+03
##	46826	46827	46828	46829	46830
##	2.578921e+03	2.607855e+03	2.162625e+03	2.624297e+03	2.667654e+03
##	46831	46832	46833	46834	46835
##	2.475204e+03	2.398571e+03	2.689415e+03	2.592142e+03	2.500374e+03
##	46836	46837	46838	46839	46840
##	1.079224e+03	2.383912e+03	2.630478e+03	2.608284e+03	2.218294e+03
##	46841	46842	46843	46844	46845
##	2.524830e+03	2.165949e+03	2.261171e+03	1.826445e+03	2.427349e+03
##	46846	46847	46848	46849	46850
##	2.503802e+03	2.509184e+03	2.539882e+03	2.522918e+03	2.573619e+03
##	46851	46852	46853	46854	46855
##	1.925100e+03	2.204760e+03	2.092150e+03	1.770300e+03	2.098599e+03
##	46856	46857	46858	46859	46860
##	2.606804e+03	2.474681e+03	2.539782e+03	2.331383e+03	2.838739e+03
##	46861	46862	46863	46864	46865

##	2.239810e+03	2.166247e+03	2.306328e+03	2.283247e+03	2.310406e+03
##	46866	46867	46868	46869	46870
##	2.136921e+03	2.293639e+03	2.274473e+03	2.287634e+03	2.252495e+03
##	46871	46872	46873	46874	46875
##	2.198956e+03	2.261385e+03	2.280602e+03	2.247342e+03	2.167800e+03
##	46876	46877	46878	46879	46880
##	2.237473e+03	2.244994e+03	2.275758e+03	2.222384e+03	2.124772e+03
##	46881	46882	46883	46884	46885
##	2.242123e+03	2.360413e+03	1.484033e+03	2.296645e+03	1.830795e+03
##	46886	46887	46888	46889	46890
##	1.670694e+03	2.195962e+03	1.683925e+03	1.528422e+03	2.640417e+03
##	46891	46892	46893	46894	46895
##	1.459749e+03	2.396929e+03	2.452130e+03	2.260084e+03	2.416683e+03
##	46896	46897	46898	46899	46900
##	2.403894e+03	2.447312e+03	2.102808e+03	2.063072e+03	2.102337e+03
##	46901	46902	46903	46904	46905
##	1.961377e+03	1.972027e+03	2.040219e+03	1.943124e+03	1.983727e+03
##	46906	46907	46908	46909	46910
##	1.976222e+03	2.098846e+03	2.306005e+03	6.960720e+02	1.348292e+03
##	46911	46912	46913	46914	46915
##	1.433326e+03	2.500601e+03	2.343588e+03	2.568751e+03	1.689318e+03
##	46916	46917	46918	46919	46920
##	2.645885e+03	2.618204e+03	9.219275e+02	9.108669e+02	2.199504e+03
##	46921	46922	46923	46924	46925
##	2.090975e+03	2.113481e+03	2.203841e+03	2.270985e+03	2.120890e+03
##	46926	46927	46928	46929	46930
##	2.253594e+03	2.152982e+03	2.038922e+03	2.061273e+03	2.222063e+03
##	46931	46932	46933	46934	46935
##	2.169064e+03	2.077096e+03	2.053589e+03	2.150546e+03	2.151788e+03
##	46936	46937	46938	46939	46940
##	2.203676e+03	2.169487e+03	2.062168e+03	2.088591e+03	2.186254e+03
##	46941	46942	46943	46944	46945
##	2.111886e+03	2.173205e+03	2.052735e+03	2.172373e+03	2.158640e+03
##	46946	46947	46948	46949	46950
##	2.184169e+03	2.050128e+03	2.174513e+03	2.101156e+03	2.602857e+03
##	46951	46952	46953	46954	46955
##	1.548706e+02	3.903843e+02	-1.987571e+02	-6.699753e+01	1.834325e+02
##	46956	46957	46958	46959	46960
##	2.400853e+01	-5.133791e+02	-4.066630e+02	3.021062e+02	4.904718e+02
##	46961	46962	46963	46964	46965
##	-1.938739e+03	-5.787301e+02	-2.721949e+02	8.503458e+01	-5.945050e+02
##	46966	46967	46968	46969	46970
##	-3.143497e+02	1.547025e+01	-4.900678e+01	-2.177085e+02	-1.690517e+02
##	46971	46972	46973	46974	46975
##	-1.936842e+02	-2.105215e+02	-1.103548e+03	-7.828380e+02	7.727322e+02
##	46976	46977	46978	46979	46980
##	7.616055e+02	6.897947e+02	6.616355e+02	6.986200e+02	6.810935e+02
##	46981	46982	46983	46984	46985
##	2.759051e+03	1.880691e+03	2.434484e+03	2.334496e+03	2.369343e+03
##	46986	46987	46988	46989	46990
##	2.272768e+03	1.612715e+03	2.518512e+03	2.438173e+03	2.015967e+03
##	46991	46992	46993	46994	46995
##	1.829565e+03	2.339341e+03	2.559357e+03	7.768167e+02	2.499959e+03
##	46996	46997	46998	46999	47000

##	2.572469e+03	1.226719e+03	1.314112e+03	2.305234e+03	1.940244e+03
##	47001	47002	47003	47004	47005
##	2.673197e+03	2.689182e+03	2.660410e+03	1.687678e+03	2.524632e+03
##	47006	47007	47008	47009	47010
##	2.126252e+03	1.743939e+03	1.908782e+03	2.526449e+03	2.535634e+03
##	47011	47012	47013	47014	47015
##	2.520809e+03	2.476476e+03	2.721860e+03	2.411023e+03	2.532910e+03
##	47016	47017	47018	47019	47020
##	2.461365e+03	2.576365e+03	2.565438e+03	2.453305e+03	2.458103e+03
##	47021	47022	47023	47024	47025
##	2.439099e+03	2.376832e+03	2.374893e+03	2.520450e+03	2.583544e+03
##	47026	47027	47028	47029	47030
##	2.305178e+03	2.374711e+03	2.519343e+03	2.595751e+03	2.540442e+03
##	47031	47032	47033	47034	47035
##	2.572922e+03	2.573068e+03	2.266803e+03	2.327083e+03	2.340492e+03
##	47036	47037	47038	47039	47040
##	2.356884e+03	2.311001e+03	2.050809e+03	1.931317e+03	1.941091e+03
##	47041	47042	47043	47044	47045
##	1.918268e+03	1.875144e+03	2.533246e+03	2.500671e+03	2.247658e+03
##	47046	47047	47048	47049	47050
##	2.024797e+03	2.226694e+03	2.397277e+03	2.369814e+03	2.227923e+03
##	47051	47052	47053	47054	47055
##	2.353859e+03	1.810398e+03	9.067863e+02	1.379531e+03	2.779254e+03
##	47056	47057	47058	47059	47060
##	2.686408e+03	2.555168e+03	2.310907e+03	2.359135e+03	2.347941e+03
##	47061	47062	47063	47064	47065
##	2.010839e+03	2.335580e+03	2.393652e+03	2.425812e+03	2.449253e+03
##	47066	47067	47068	47069	47070
##	2.406124e+03	2.397725e+03	2.439546e+03	2.442923e+03	2.425812e+03
##	47071	47072	47073	47074	47075
##	2.429565e+03	2.403775e+03	2.386958e+03	2.417560e+03	2.315505e+03
##	47076	47077	47078	47079	47080
##	2.311361e+03	2.409730e+03	2.372960e+03	2.414116e+03	2.439804e+03
##	47081	47082	47083	47084	47085
##	2.542048e+03	2.180439e+03	2.036528e+03	2.638556e+03	2.612359e+03
##	47086	47087	47088	47089	47090
##	2.535861e+03	-2.052241e+02	-4.687520e+02	1.508428e+03	2.004766e+03
##	47091	47092	47093	47094	47095
##	2.025285e+03	2.444723e+03	2.435560e+03	2.247605e+03	2.353060e+03
##	47096	47097	47098	47099	47100
##	2.381027e+03	2.254806e+03	1.260475e+03	2.501483e+03	6.688826e+02
##	47101	47102	47103	47104	47105
##	2.623879e+03	-5.656412e+01	2.603389e+03	2.533802e+03	2.542936e+03
##	47106	47107	47108	47109	47110
##	2.678618e+03	2.263308e+03	7.894730e+02	2.555174e+03	3.045782e+02
##	47111	47112	47113	47114	47115
##	1.494969e+03	7.304343e+02	6.266075e+02	2.549346e+03	2.256528e+03
##	47116	47117	47118	47119	47120
##	2.479874e+03	1.528026e+03	2.710342e+03	2.558825e+03	2.064339e+03
##	47121	47122	47123	47124	47125
##	2.273569e+03	2.187652e+03	2.185451e+03	-6.084180e+02	1.433251e+03
##	47126	47127	47128	47129	47130
##	9.360025e+02	2.525780e+03	2.582868e+03	2.224142e+03	2.791060e+03
##	47131	47132	47133	47134	47135

##	2.648583e+03	2.236253e+03	2.421723e+03	2.163321e+03	2.528497e+03
##	47136	47137	47138	47139	47140
##	2.081104e+03	2.149681e+03	2.755534e+03	2.291238e+03	2.320343e+03
##	47141	47142	47143	47144	47145
##	2.318989e+03	2.077326e+03	2.419411e+03	1.094281e+03	2.463493e+03
##	47146	47147	47148	47149	47150
##	-5.117332e+01	2.602830e+03	2.293296e+03	2.147572e+03	1.809897e+03
##	47151	47152	47153	47154	47155
##	1.958302e+03	2.587000e+03	2.723222e+03	2.559272e+03	2.457848e+03
##	47156	47157	47158	47159	47160
##	2.601625e+03	2.352700e+03	2.141273e+03	2.177140e+03	4.780127e+02
##	47161	47162	47163	47164	47165
##	2.387296e+03	2.076768e+03	2.674514e+03	2.716083e+03	2.048781e+03
##	47166	47167	47168	47169	47170
##	2.072789e+03	2.069611e+03	2.719338e+03	2.585638e+03	2.479426e+03
##	47171	47172	47173	47174	47175
##	2.284646e+03	2.195940e+03	7.062194e+02	2.435179e+03	2.037291e+03
##	47176	47177	47178	47179	47180
##	2.336591e+03	2.308859e+03	2.315954e+03	2.374857e+03	2.207849e+03
##	47181	47182	47183	47184	47185
##	2.063979e+03	2.340193e+03	2.175174e+03	2.283436e+03	2.068895e+03
##	47186	47187	47188	47189	47190
##	2.654511e+03	2.586673e+03	2.663341e+03	2.086649e+03	2.183981e+03
##	47191	47192	47193	47194	47195
##	2.215004e+03	2.305742e+03	1.193952e+03	2.810085e+03	2.278881e+03
##	47196	47197	47198	47199	47200
##	2.689706e+03	2.465961e+03	2.355460e+03	2.357402e+03	2.477461e+03
##	47201	47202	47203	47204	47205
##	2.248522e+03	2.437725e+03	2.274272e+03	2.519546e+03	2.293684e+03
##	47206	47207	47208	47209	47210
##	2.351810e+03	2.495536e+03	2.455800e+03	2.377859e+03	2.434494e+03
##	47211	47212	47213	47214	47215
##	2.596385e+03	2.235156e+03	2.703073e+03	2.030859e+03	1.796978e+03
##	47216	47217	47218	47219	47220
##	1.826741e+03	2.207656e+03	2.212213e+03	2.098109e+03	2.106361e+03
##	47221	47222	47223	47224	47225
##	2.138007e+03	1.665897e+03	2.270203e+03	2.560450e+03	1.863598e+03
##	47226	47227	47228	47229	47230
##	2.365058e+03	2.510772e+03	2.371330e+03	2.034919e+03	1.962438e+03
##	47231	47232	47233	47234	47235
##	1.381085e+03	2.130161e+03	1.344597e+03	2.355144e+03	2.438881e+03
##	47236	47237	47238	47239	47240
##	2.397812e+03	8.737104e+02	2.402952e+03	2.539324e+03	2.400620e+03
##	47241	47242	47243	47244	47245
##	2.034879e+03	2.582527e+03	2.541107e+03	2.528124e+03	2.550866e+03
##	47246	47247	47248	47249	47250
##	2.034772e+03	1.946496e+03	2.431623e+03	2.592142e+03	2.368425e+03
##	47251	47252	47253	47254	47255
##	2.219483e+03	2.230210e+03	2.267127e+03	2.522579e+03	2.430740e+03
##	47256	47257	47258	47259	47260
##	2.321477e+03	2.479971e+03	2.398146e+03	2.421638e+03	1.363508e+03
##	47261	47262	47263	47264	47265
##	1.879600e+03	2.153689e+03	1.134876e+03	1.564870e+03	2.084126e+03
##	47266	47267	47268	47269	47270

##	2.334333e+03	2.414724e+03	2.487639e+03	2.135878e+03	2.461891e+03
##	47271	47272	47273	47274	47275
##	2.222434e+03	2.517573e+03	2.327050e+03	2.346895e+03	1.699613e+03
##	47276	47277	47278	47279	47280
##	7.338009e+02	2.590376e+03	2.668185e+03	2.416811e+03	2.406093e+03
##	47281	47282	47283	47284	47285
##	-1.473804e+03	-1.341956e+03	-1.608690e+03	-1.421900e+03	-1.403769e+03
##	47286	47287	47288	47289	47290
##	-1.572706e+03	-1.407336e+03	-1.217364e+03	-1.452718e+03	-1.606180e+03
##	47291	47292	47293	47294	47295
##	-1.338499e+03	-1.625392e+03	-1.370033e+03	-1.395628e+03	-1.619294e+03
##	47296	47297	47298	47299	47300
##	-1.346593e+03	-1.562838e+03	-1.367076e+03	-1.392342e+03	-1.469674e+03
##	47301	47302	47303	47304	47305
##	-1.448729e+03	-1.180224e+03	-5.438901e+02	4.534881e+02	-1.469050e+03
##	47306	47307	47308	47309	47310
##	-1.480015e+03	-7.976816e+01	-7.983176e+02	1.124730e+02	-9.914212e+02
##	47311	47312	47313	47314	47315
##	6.095639e+02	7.036073e+02	7.259253e+02	7.451331e+02	6.893367e+02
##	47316	47317	47318	47319	47320
##	6.919264e+02	7.561202e+02	7.186362e+02	7.851732e+02	6.713561e+02
##	47321	47322	47323	47324	47325
##	9.313602e+02	8.892488e+02	9.526449e+02	8.900800e+02	9.587616e+02
##	47326	47327	47328	47329	47330
##	9.143523e+02	9.398537e+02	9.024151e+02	9.623675e+02	7.818976e+02
##	47331	47332	47333	47334	47335
##	7.362800e+02	7.801144e+02	8.123508e+02	6.748253e+02	8.243108e+02
##	47336	47337	47338	47339	47340
##	7.779923e+02	7.734248e+02	7.918841e+02	7.780748e+02	7.849059e+02
##	47341	47342	47343	47344	47345
##	2.393460e+03	2.219533e+03	2.079101e+03	2.061351e+03	2.138526e+03
##	47346	47347	47348	47349	47350
##	2.066994e+03	2.253219e+03	2.213680e+03	2.113471e+03	2.190614e+03
##	47351	47352	47353	47354	47355
##	2.106163e+03	2.203973e+03	2.032745e+03	2.077386e+03	1.978311e+03
##	47356	47357	47358	47359	47360
##	2.132258e+03	2.640291e+03	2.293052e+03	2.268384e+03	2.197623e+03
##	47361	47362	47363	47364	47365
##	1.587289e+03	2.359784e+03	2.343114e+03	2.390890e+03	2.360810e+03
##	47366	47367	47368	47369	47370
##	2.257985e+03	1.906109e+03	2.341786e+03	2.192434e+03	2.443211e+03
##	47371	47372	47373	47374	47375
##	2.590858e+03	2.339483e+03	2.407295e+03	2.463921e+03	2.377523e+03
##	47376	47377	47378	47379	47380
##	2.156278e+03	2.202166e+03	2.110351e+03	2.337124e+03	2.365113e+03
##	47381	47382	47383	47384	47385
##	2.358378e+03	2.424685e+03	2.247549e+03	2.293661e+03	2.378490e+03
##	47386	47387	47388	47389	47390
##	2.269224e+03	2.345489e+03	2.353385e+03	2.333337e+03	2.323355e+03
##	47391	47392	47393	47394	47395
##	2.335781e+03	2.322098e+03	2.310519e+03	2.084648e+03	2.151939e+03
##	47396	47397	47398	47399	47400
##	1.735762e+03	2.785671e+03	1.445201e+03	2.147085e+03	2.665710e+03
##	47401	47402	47403	47404	47405

##	1.800448e+03	1.650453e+03	8.295237e+02	1.738332e+03	2.192901e+03
##	47406	47407	47408	47409	47410
##	2.430040e+03	2.543210e+03	2.128385e+03	2.628332e+03	2.426435e+03
##	47411	47412	47413	47414	47415
##	2.594369e+03	2.528094e+03	2.627357e+03	2.670487e+03	2.574584e+03
##	47416	47417	47418	47419	47420
##	2.639363e+03	2.586284e+03	2.491274e+03	2.493985e+03	2.591240e+03
##	47421	47422	47423	47424	47425
##	2.619331e+03	2.444399e+03	1.689540e+03	1.776321e+03	2.378742e+03
##	47426	47427	47428	47429	47430
##	2.409202e+03	2.147821e+03	2.470965e+03	2.768995e+03	2.177519e+03
##	47431	47432	47433	47434	47435
##	2.181151e+03	2.502702e+03	3.012044e+03	2.562579e+03	1.058339e+03
##	47436	47437	47438	47439	47440
##	8.513615e+02	2.122169e+03	2.261537e+03	1.692856e+03	2.603137e+03
##	47441	47442	47443	47444	47445
##	2.467830e+03	1.544927e+03	1.035892e+03	2.436740e+03	2.719744e+03
##	47446	47447	47448	47449	47450
##	2.566915e+03	2.409118e+03	2.510747e+03	2.499477e+03	2.485383e+03
##	47451	47452	47453	47454	47455
##	2.508251e+03	2.493732e+03	2.484060e+03	2.479429e+03	2.113856e+03
##	47456	47457	47458	47459	47460
##	2.509540e+03	2.513567e+03	2.482706e+03	2.366983e+03	2.521351e+03
##	47461	47462	47463	47464	47465
##	2.497484e+03	2.526829e+03	2.721154e+03	1.170129e+03	2.598993e+03
##	47466	47467	47468	47469	47470
##	2.375871e+03	2.059482e+03	2.566174e+03	1.836423e+03	2.582160e+03
##	47471	47472	47473	47474	47475
##	1.492167e+03	1.248140e+03	2.462428e+03	2.744827e+03	2.605416e+03
##	47476	47477	47478	47479	47480
##	1.682693e+03	2.496419e+03	8.291511e+02	2.545046e+03	2.579483e+03
##	47481	47482	47483	47484	47485
##	2.648299e+03	2.656373e+03	2.529850e+03	1.912774e+03	2.621584e+03
##	47486	47487	47488	47489	47490
##	2.371147e+03	2.808401e+03	1.114893e+03	1.108011e+03	1.038930e+03
##	47491	47492	47493	47494	47495
##	2.363941e+03	2.690845e+03	2.693392e+03	2.504747e+03	2.561326e+03
##	47496	47497	47498	47499	47500
##	2.516605e+03	2.330740e+03	2.798273e+03	2.102503e+03	2.063598e+03
##	47501	47502	47503	47504	47505
##	1.295461e+03	1.904329e+03	1.372159e+03	2.943742e+03	-1.325938e+03
##	47506	47507	47508	47509	47510
##	1.967939e+03	2.754568e+03	2.779359e+03	1.991140e+03	9.860933e+02
##	47511	47512	47513	47514	47515
##	2.488813e+03	2.593617e+03	2.744240e+03	2.542875e+03	2.582856e+03
##	47516	47517	47518	47519	47520
##	2.433333e+03	2.718577e+03	2.329076e+03	2.224797e+03	2.116458e+03
##	47521	47522	47523	47524	47525
##	2.309774e+03	2.764247e+03	2.330391e+03	2.617371e+03	2.403836e+03
##	47526	47527	47528	47529	47530
##	2.374903e+03	2.234907e+03	2.343063e+03	1.415718e+03	2.491624e+03
##	47531	47532	47533	47534	47535
##	2.544402e+03	1.141283e+03	2.519465e+03	2.385396e+03	2.306695e+03
##	47536	47537	47538	47539	47540

##	2.390415e+03	2.735404e+03	2.687379e+03	2.323168e+03	2.358187e+03
##	47541	47542	47543	47544	47545
##	2.901521e+03	2.228718e+03	2.410804e+03	2.132737e+03	2.417463e+03
##	47546	47547	47548	47549	47550
##	2.154485e+03	2.398348e+03	2.363711e+03	2.410353e+03	2.380025e+03
##	47551	47552	47553	47554	47555
##	2.734298e+03	2.571497e+03	2.556496e+03	2.562973e+03	2.432475e+03
##	47556	47557	47558	47559	47560
##	1.482284e+03	1.548845e+03	1.507450e+03	8.626215e+02	2.367185e+03
##	47561	47562	47563	47564	47565
##	7.540467e+02	2.536201e+03	2.422922e+03	2.366777e+03	2.188737e+03
##	47566	47567	47568	47569	47570
##	2.443283e+03	2.570339e+03	2.550031e+03	2.518496e+03	2.354934e+03
##	47571	47572	47573	47574	47575
##	2.512643e+03	2.545072e+03	2.470624e+03	2.496949e+03	2.565069e+03
##	47576	47577	47578	47579	47580
##	2.542723e+03	2.943790e+03	2.345838e+03	1.998060e+03	2.768980e+03
##	47581	47582	47583	47584	47585
##	2.737749e+03	1.701430e+03	1.865615e+03	7.239416e+02	2.617778e+03
##	47586	47587	47588	47589	47590
##	1.915220e+03	2.871934e+03	2.081265e+03	2.500116e+03	2.643110e+03
##	47591	47592	47593	47594	47595
##	2.406590e+03	2.214198e+03	2.140452e+03	1.153944e+03	2.301786e+03
##	47596	47597	47598	47599	47600
##	2.463510e+03	2.472239e+03	2.701408e+03	2.563460e+03	2.594104e+03
##	47601	47602	47603	47604	47605
##	2.600205e+03	2.571588e+03	2.605749e+03	2.722842e+03	2.424897e+03
##	47606	47607	47608	47609	47610
##	2.444636e+03	9.148086e+02	2.147623e+03	2.849138e+03	1.809997e+03
##	47611	47612	47613	47614	47615
##	1.782950e+03	2.712724e+03	2.729994e+03	2.308084e+03	2.676198e+03
##	47616	47617	47618	47619	47620
##	1.679717e+03	2.685707e+03	2.690033e+03	2.671193e+03	2.312091e+03
##	47621	47622	47623	47624	47625
##	2.488218e+03	2.441549e+03	2.353884e+03	2.326512e+03	2.323900e+03
##	47626	47627	47628	47629	47630
##	2.223167e+03	2.284764e+03	2.333077e+03	2.458507e+03	2.636948e+03
##	47631	47632	47633	47634	47635
##	2.780333e+03	2.459462e+03	2.316164e+03	2.220799e+03	2.290065e+03
##	47636	47637	47638	47639	47640
##	2.293194e+03	2.166024e+03	2.343373e+03	2.313146e+03	2.337845e+03
##	47641	47642	47643	47644	47645
##	9.264546e+02	9.149507e+02	9.636803e+02	1.126549e+03	7.583911e+02
##	47646	47647	47648	47649	47650
##	8.243695e+02	8.089961e+02	7.791290e+02	8.223981e+02	7.867180e+02
##	47651	47652	47653	47654	47655
##	8.134484e+02	8.041009e+02	1.048899e+03	8.143914e+02	-6.905900e+02
##	47656	47657	47658	47659	47660
##	-3.181937e+03	-3.276616e+03	-2.187236e+03	6.921621e+02	7.461195e+02
##	47661	47662	47663	47664	47665
##	7.328571e+02	8.123790e+02	7.270336e+02	5.753750e+02	9.708384e+02
##	47666	47667	47668	47669	47670
##	-1.401401e+01	2.129592e+01	2.089111e+02	1.287314e+02	5.120189e+02
##	47671	47672	47673	47674	47675

##	2.301339e+03	2.341024e+03	2.301288e+03	2.294355e+03	2.267359e+03
##	47676	47677	47678	47679	47680
##	2.183577e+03	2.249918e+03	2.313881e+03	2.284896e+03	2.268763e+03
##	47681	47682	47683	47684	47685
##	2.295187e+03	2.264539e+03	2.445623e+03	2.591011e+03	2.635840e+03
##	47686	47687	47688	47689	47690
##	2.556992e+03	2.391968e+03	2.259139e+03	2.040976e+03	2.604776e+03
##	47691	47692	47693	47694	47695
##	2.745491e+03	1.849342e+03	2.519932e+03	2.504960e+03	2.521042e+03
##	47696	47697	47698	47699	47700
##	2.476239e+03	2.528468e+03	1.662786e+03	2.731014e+03	2.623183e+03
##	47701	47702	47703	47704	47705
##	2.278678e+03	2.754333e+03	2.604349e+03	2.759565e+03	2.663500e+03
##	47706	47707	47708	47709	47710
##	2.649031e+03	2.730283e+03	2.657596e+03	2.699360e+03	2.939280e+03
##	47711	47712	47713	47714	47715
##	2.949134e+03	1.737640e+03	2.409643e+03	2.443080e+03	2.589532e+03
##	47716	47717	47718	47719	47720
##	2.400791e+03	2.430822e+03	9.171485e+02	2.513922e+03	2.546133e+03
##	47721	47722	47723	47724	47725
##	2.338762e+03	2.243400e+03	2.196793e+03	2.034357e+03	2.495237e+03
##	47726	47727	47728	47729	47730
##	2.922198e+03	2.161538e+03	2.152597e+03	2.920703e+03	9.775171e+02
##	47731	47732	47733	47734	47735
##	1.245837e+03	1.180550e+03	1.627027e+03	1.636257e+03	2.989001e+03
##	47736	47737	47738	47739	47740
##	2.183088e+03	2.566073e+03	2.680256e+03	6.962018e+02	7.762074e+02
##	47741	47742	47743	47744	47745
##	1.441929e+03	1.895451e+03	2.554043e+03	1.879666e+03	2.578357e+03
##	47746	47747	47748	47749	47750
##	2.573042e+03	2.582749e+03	2.508551e+03	2.596057e+03	2.471760e+03
##	47751	47752	47753	47754	47755
##	2.613381e+03	2.442198e+03	2.447429e+03	2.524267e+03	2.469161e+03
##	47756	47757	47758	47759	47760
##	2.536176e+03	2.068192e+03	1.394599e+01	2.500273e+03	2.725885e+03
##	47761	47762	47763	47764	47765
##	2.214736e+03	2.552299e+03	2.226136e+03	2.567650e+03	2.949118e+03
##	47766	47767	47768	47769	47770
##	2.569481e+03	2.710704e+03	2.504993e+03	2.531327e+03	1.870470e+03
##	47771	47772	47773	47774	47775
##	1.245994e+03	2.735643e+03	2.224310e+03	2.321954e+03	2.322836e+03
##	47776	47777	47778	47779	47780
##	2.488627e+03	1.363886e+03	2.318393e+03	2.326271e+03	2.320023e+03
##	47781	47782	47783	47784	47785
##	2.692235e+03	1.429959e+03	6.127159e+02	2.613726e+03	2.587774e+03
##	47786	47787	47788	47789	47790
##	2.833288e+03	2.488568e+03	2.440153e+03	2.163955e+03	2.598519e+03
##	47791	47792	47793	47794	47795
##	1.789847e+03	2.519415e+03	1.019499e+03	1.438120e+03	1.605236e+03
##	47796	47797	47798	47799	47800
##	2.706004e+03	2.739045e+03	2.631212e+03	2.927756e+03	2.441542e+03
##	47801	47802	47803	47804	47805
##	5.045292e+01	2.705350e+03	-1.109056e+03	2.639428e+03	1.435518e+03
##	47806	47807	47808	47809	47810

##	2.339209e+03	2.996289e+03	3.050206e+03	1.526793e+03	8.578274e+02
##	47811	47812	47813	47814	47815
##	9.222531e+02	2.521727e+03	1.587837e+03	2.474909e+03	1.181727e+03
##	47816	47817	47818	47819	47820
##	2.277889e+03	1.783433e+03	2.674465e+03	2.336357e+03	2.683204e+03
##	47821	47822	47823	47824	47825
##	1.753245e+03	1.650682e+03	2.528526e+03	2.510776e+03	2.391845e+03
##	47826	47827	47828	47829	47830
##	1.331550e+03	2.761816e+03	2.411473e+03	1.028697e+03	2.854103e+03
##	47831	47832	47833	47834	47835
##	2.579377e+03	2.034980e+03	2.605327e+03	2.608882e+03	2.577971e+03
##	47836	47837	47838	47839	47840
##	2.324119e+03	2.602487e+03	1.394052e+03	2.704178e+03	8.819638e+02
##	47841	47842	47843	47844	47845
##	1.586795e+03	1.953867e+03	1.884489e+03	2.488989e+03	2.482203e+03
##	47846	47847	47848	47849	47850
##	2.488826e+03	2.522725e+03	2.452909e+03	2.144492e+03	2.344188e+03
##	47851	47852	47853	47854	47855
##	1.214074e+03	1.412680e+03	1.667291e+03	2.305672e+03	2.092577e+03
##	47856	47857	47858	47859	47860
##	1.987159e+03	3.005991e+03	2.175443e+03	2.110545e+03	3.050511e+03
##	47861	47862	47863	47864	47865
##	2.649586e+03	2.622390e+03	2.650552e+03	2.492447e+03	2.603284e+03
##	47866	47867	47868	47869	47870
##	2.511366e+03	2.640920e+03	2.595082e+03	2.625047e+03	2.601721e+03
##	47871	47872	47873	47874	47875
##	2.577494e+03	2.628150e+03	2.633252e+03	2.600464e+03	2.641361e+03
##	47876	47877	47878	47879	47880
##	2.446300e+03	2.585329e+03	2.507547e+03	2.635503e+03	2.744457e+03
##	47881	47882	47883	47884	47885
##	2.734704e+03	2.815526e+03	2.789067e+03	2.376834e+03	2.672700e+03
##	47886	47887	47888	47889	47890
##	1.509751e+03	2.303959e+03	2.277594e+03	2.338807e+03	2.590950e+03
##	47891	47892	47893	47894	47895
##	1.095270e+03	2.470429e+03	2.562290e+03	2.484427e+03	2.462572e+03
##	47896	47897	47898	47899	47900
##	2.448502e+03	1.831662e+03	2.773624e+03	2.773432e+03	2.734527e+03
##	47901	47902	47903	47904	47905
##	1.960295e+03	2.564214e+03	2.665336e+03	2.765697e+03	2.694739e+03
##	47906	47907	47908	47909	47910
##	2.629874e+03	2.668824e+03	2.368893e+03	2.347368e+03	1.582896e+03
##	47911	47912	47913	47914	47915
##	1.621171e+03	2.626871e+03	2.771068e+03	2.525777e+03	2.688918e+03
##	47916	47917	47918	47919	47920
##	2.548094e+03	2.750498e+03	2.824016e+03	2.684543e+03	1.584182e+03
##	47921	47922	47923	47924	47925
##	2.657427e+03	2.691324e+03	2.460944e+03	2.524723e+03	2.553008e+03
##	47926	47927	47928	47929	47930
##	2.371875e+03	2.398385e+03	2.475556e+03	2.505098e+03	2.502374e+03
##	47931	47932	47933	47934	47935
##	2.469556e+03	2.305581e+03	2.310003e+03	2.415849e+03	2.505114e+03
##	47936	47937	47938	47939	47940
##	2.435654e+03	2.427567e+03	2.490273e+03	2.379718e+03	2.633590e+03
##	47941	47942	47943	47944	47945

##	2.096101e+03	2.892995e+03	2.510457e+03	2.827226e+03	1.948299e+03
##	47946	47947	47948	47949	47950
##	2.773380e+03	8.106499e+02	1.698948e+03	2.598563e+03	1.965656e+03
##	47951	47952	47953	47954	47955
##	2.339384e+03	1.333463e+03	8.457141e+02	4.780282e+02	2.569221e+03
##	47956	47957	47958	47959	47960
##	1.697245e+03	2.810134e+03	2.965398e+03	2.693135e+03	2.310095e+03
##	47961	47962	47963	47964	47965
##	2.638568e+03	2.600302e+03	2.634111e+03	2.274791e+03	2.332245e+03
##	47966	47967	47968	47969	47970
##	2.316186e+03	2.398360e+03	2.385766e+03	2.395276e+03	2.395276e+03
##	47971	47972	47973	47974	47975
##	1.180441e+03	1.021581e+03	6.402554e+01	5.350663e+01	1.196972e+02
##	47976	47977	47978	47979	47980
##	-9.877862e+02	5.963021e+02	-6.952404e+02	-8.137175e+02	1.528135e+02
##	47981	47982	47983	47984	47985
##	1.658177e+02	2.168687e+02	9.646228e+02	-6.916138e+01	4.391834e+02
##	47986	47987	47988	47989	47990
##	7.982138e+02	8.056548e+02	1.171824e+03	-4.651318e+01	-1.052029e+02
##	47991	47992	47993	47994	47995
##	-2.321913e+02	-4.819360e+02	-1.009078e+01	-3.610000e+02	-3.565121e+02
##	47996	47997	47998	47999	48000
##	4.064832e+00	-2.277507e+02	-6.048913e+02	3.113311e+02	1.965682e+02
##	48001	48002	48003	48004	48005
##	2.388850e+03	2.392030e+03	2.388653e+03	2.389372e+03	2.409268e+03
##	48006	48007	48008	48009	48010
##	2.393759e+03	2.373239e+03	2.356422e+03	2.366666e+03	2.367189e+03
##	48011	48012	48013	48014	48015
##	2.740953e+03	2.393255e+03	2.618340e+03	2.106882e+03	1.102880e+03
##	48016	48017	48018	48019	48020
##	1.951592e+03	2.421089e+03	1.259411e+03	2.314683e+03	2.038634e+03
##	48021	48022	48023	48024	48025
##	1.447867e+03	1.936500e+03	2.327097e+03	2.572757e+03	1.897904e+03
##	48026	48027	48028	48029	48030
##	1.307074e+03	5.874430e+02	2.104365e+03	1.703251e+02	2.345617e+03
##	48031	48032	48033	48034	48035
##	1.889993e+03	2.081471e+03	2.335252e+03	2.544168e+03	2.742810e+03
##	48036	48037	48038	48039	48040
##	3.023351e+03	3.078846e+03	2.334047e+03	2.537750e+03	1.543030e+03
##	48041	48042	48043	48044	48045
##	2.486796e+03	2.229402e+03	2.453768e+03	2.657616e+03	2.872165e+03
##	48046	48047	48048	48049	48050
##	2.528888e+03	1.685168e+03	2.995637e+03	2.604927e+03	1.219274e+02
##	48051	48052	48053	48054	48055
##	9.814836e+02	2.804343e+03	2.535784e+03	9.799020e+02	2.580987e+03
##	48056	48057	48058	48059	48060
##	9.736460e+02	1.498924e+03	2.327440e+03	2.470251e+03	2.664306e+03
##	48061	48062	48063	48064	48065
##	2.623834e+03	2.647909e+03	2.687123e+03	2.545710e+03	2.288453e+03
##	48066	48067	48068	48069	48070
##	2.269449e+03	-6.860263e+02	2.229183e+03	2.604160e+03	2.505594e+03
##	48071	48072	48073	48074	48075
##	2.513517e+03	2.573838e+03	1.012852e+03	2.699767e+03	1.644977e+03
##	48076	48077	48078	48079	48080

##	1.498477e+03	2.702688e+03	2.877720e+03	2.582287e+03	2.587332e+03
##	48081	48082	48083	48084	48085
##	2.776642e+03	2.300667e+03	1.088872e+03	8.608392e+02	2.700649e+03
##	48086	48087	48088	48089	48090
##	1.953996e+03	2.094015e+03	2.696743e+03	2.367466e+03	2.565281e+03
##	48091	48092	48093	48094	48095
##	1.180009e+03	7.571420e+02	4.819287e+02	2.962078e+03	2.561758e+03
##	48096	48097	48098	48099	48100
##	2.570583e+03	2.599572e+03	2.558318e+03	2.500110e+03	2.623346e+03
##	48101	48102	48103	48104	48105
##	1.478834e+03	2.393779e+03	2.324924e+03	2.407189e+03	2.243736e+03
##	48106	48107	48108	48109	48110
##	2.372506e+03	2.263526e+03	2.499189e+03	2.454821e+03	2.415085e+03
##	48111	48112	48113	48114	48115
##	2.326866e+03	2.446925e+03	2.328562e+03	2.407045e+03	2.246213e+03
##	48116	48117	48118	48119	48120
##	2.703799e+03	1.949132e+03	2.609775e+03	2.577377e+03	8.864360e+02
##	48121	48122	48123	48124	48125
##	8.401693e+02	2.415596e+03	2.187423e+03	2.538123e+03	2.702763e+03
##	48126	48127	48128	48129	48130
##	2.599451e+03	2.696952e+03	2.527821e+03	2.540238e+03	2.531069e+03
##	48131	48132	48133	48134	48135
##	-9.444359e+01	3.008960e+01	8.740802e+02	2.022545e+02	2.696916e+03
##	48136	48137	48138	48139	48140
##	2.344433e+03	1.921836e+03	1.933029e+03	1.951647e+03	2.704291e+03
##	48141	48142	48143	48144	48145
##	2.665683e+03	9.862917e+02	2.478852e+03	1.864068e+03	1.251371e+03
##	48146	48147	48148	48149	48150
##	1.503798e+03	1.332972e+03	2.488432e+03	2.625309e+03	2.639941e+03
##	48151	48152	48153	48154	48155
##	1.638821e+03	2.498920e+03	2.492494e+03	2.686186e+03	2.674378e+03
##	48156	48157	48158	48159	48160
##	2.871050e+03	2.730708e+03	1.328895e+03	2.635128e+03	2.696553e+03
##	48161	48162	48163	48164	48165
##	2.502008e+03	1.182711e+03	2.661826e+03	2.663211e+03	2.917969e+03
##	48166	48167	48168	48169	48170
##	2.391792e+03	3.141579e+03	2.848386e+03	2.658878e+03	2.396526e+03
##	48171	48172	48173	48174	48175
##	6.906771e+02	1.427016e+03	1.628239e+03	2.667294e+03	2.668653e+03
##	48176	48177	48178	48179	48180
##	1.566931e+03	2.339996e+03	2.309916e+03	2.282873e+03	2.302399e+03
##	48181	48182	48183	48184	48185
##	2.329248e+03	2.182091e+03	8.483313e+02	3.230329e+02	2.121324e+03
##	48186	48187	48188	48189	48190
##	1.527956e+03	2.691279e+03	-1.140219e+03	2.211626e+03	1.146325e+03
##	48191	48192	48193	48194	48195
##	2.624098e+03	2.715169e+03	2.768143e+03	2.082308e+03	1.089528e+03
##	48196	48197	48198	48199	48200
##	9.441629e+02	2.189389e+03	2.557804e+03	2.613721e+03	2.838135e+03
##	48201	48202	48203	48204	48205
##	2.819620e+03	2.682431e+03	2.729587e+03	2.678892e+03	2.724090e+03
##	48206	48207	48208	48209	48210
##	2.169460e+03	2.261010e+03	1.525412e+03	1.589574e+03	2.478413e+03
##	48211	48212	48213	48214	48215

##	2.967103e+03	2.833885e+03	1.890682e+03	2.849379e+03	2.576546e+03
##	48216	48217	48218	48219	48220
##	2.572972e+03	1.928411e+03	2.039479e+03	2.587474e+03	2.609415e+03
##	48221	48222	48223	48224	48225
##	2.596821e+03	2.619005e+03	2.463449e+03	2.554227e+03	2.553654e+03
##	48226	48227	48228	48229	48230
##	2.565926e+03	2.578616e+03	2.497558e+03	2.440380e+03	2.540346e+03
##	48231	48232	48233	48234	48235
##	2.519993e+03	2.094919e+03	2.005856e+03	2.017641e+03	8.401372e+02
##	48236	48237	48238	48239	48240
##	2.459012e+03	2.748306e+03	9.930003e+02	2.394360e+03	2.738459e+03
##	48241	48242	48243	48244	48245
##	1.045420e+03	1.456398e+03	2.740864e+03	2.398522e+03	2.503819e+03
##	48246	48247	48248	48249	48250
##	2.653455e+03	2.520600e+03	1.607355e+03	1.370169e+03	2.401706e+03
##	48251	48252	48253	48254	48255
##	2.419657e+03	2.804957e+03	1.557091e+03	2.623186e+03	1.445695e+03
##	48256	48257	48258	48259	48260
##	1.475123e+03	2.913287e+03	1.656967e+03	1.358822e+03	6.938383e+02
##	48261	48262	48263	48264	48265
##	2.849013e+03	2.670995e+03	2.544475e+03	2.504515e+03	2.801879e+03
##	48266	48267	48268	48269	48270
##	2.918156e+03	2.739635e+03	2.481795e+03	2.378582e+03	2.489183e+03
##	48271	48272	48273	48274	48275
##	2.441991e+03	2.326268e+03	2.422987e+03	2.473374e+03	2.472852e+03
##	48276	48277	48278	48279	48280
##	2.486114e+03	2.438714e+03	2.454847e+03	2.477715e+03	2.460279e+03
##	48281	48282	48283	48284	48285
##	2.480211e+03	2.466948e+03	2.468941e+03	4.185946e+02	2.156545e+03
##	48286	48287	48288	48289	48290
##	2.245680e+03	2.171328e+03	1.119949e+03	2.625472e+03	2.660695e+03
##	48291	48292	48293	48294	48295
##	2.423148e+03	2.384574e+03	2.409841e+03	2.387804e+03	2.406691e+03
##	48296	48297	48298	48299	48300
##	2.656805e+03	2.719703e+03	1.171535e+03	1.149770e+03	2.447790e+03
##	48301	48302	48303	48304	48305
##	2.616852e+02	2.909847e+02	2.544226e+02	-8.214846e+01	-8.504977e+02
##	48306	48307	48308	48309	48310
##	-3.292432e+01	-6.651414e+01	-1.071318e+02	-6.141237e+02	-1.736030e+03
##	48311	48312	48313	48314	48315
##	2.593388e+02	2.255133e+02	2.470545e+02	2.888494e+02	3.155591e+02
##	48316	48317	48318	48319	48320
##	2.788628e+02	6.919112e+02	-7.540494e+01	2.141735e+02	6.004148e+02
##	48321	48322	48323	48324	48325
##	6.429260e+02	6.686196e+02	1.007478e+03	9.577500e+02	1.020051e+03
##	48326	48327	48328	48329	48330
##	-2.438754e+02	4.776859e+02	1.223379e+02	2.589160e+01	-1.633404e+03
##	48331	48332	48333	48334	48335
##	-2.461735e+02	7.743212e+02	2.624390e+03	1.730216e+03	2.625035e+03
##	48336	48337	48338	48339	48340
##	3.000057e+03	2.576142e+03	2.866641e+03	2.604825e+03	1.298970e+03
##	48341	48342	48343	48344	48345
##	1.601061e+03	2.216337e+03	2.682661e+03	2.534913e+03	2.571423e+03
##	48346	48347	48348	48349	48350

##	2.657012e+03	2.807294e+03	8.458336e+02	1.488481e+03	2.793652e+03
##	48351	48352	48353	48354	48355
##	2.615693e+03	2.647366e+03	8.542558e+02	2.684968e+03	2.713485e+03
##	48356	48357	48358	48359	48360
##	2.744752e+03	2.749616e+03	2.754931e+03	2.745275e+03	2.740790e+03
##	48361	48362	48363	48364	48365
##	2.379377e+03	2.751964e+03	2.727737e+03	2.754505e+03	2.752729e+03
##	48366	48367	48368	48369	48370
##	2.628344e+03	2.557912e+03	2.719632e+03	2.710614e+03	1.776799e+03
##	48371	48372	48373	48374	48375
##	2.592573e+03	1.242029e+03	2.757507e+03	2.731768e+03	2.737269e+03
##	48376	48377	48378	48379	48380
##	1.915668e+03	2.685265e+03	3.150070e+03	2.899690e+03	3.005926e+03
##	48381	48382	48383	48384	48385
##	1.089352e+03	2.458277e+03	1.864694e+03	1.742382e+03	9.212725e+02
##	48386	48387	48388	48389	48390
##	2.467998e+03	2.391575e+03	3.146121e+03	2.172702e+03	2.368547e+03
##	48391	48392	48393	48394	48395
##	2.439175e+03	1.648464e+03	1.101067e+03	2.181289e+03	2.229622e+03
##	48396	48397	48398	48399	48400
##	1.891864e+03	2.681786e+03	2.778405e+03	2.544482e+03	2.776019e+03
##	48401	48402	48403	48404	48405
##	1.400186e+03	2.820373e+03	2.083531e+03	2.616457e+03	2.645117e+03
##	48406	48407	48408	48409	48410
##	2.663840e+03	2.699006e+03	2.701191e+03	1.418324e+03	1.405740e+03
##	48411	48412	48413	48414	48415
##	9.236575e+02	2.279646e+03	2.757076e+03	2.226132e+03	3.108614e+03
##	48416	48417	48418	48419	48420
##	2.151862e+03	2.732345e+03	2.597937e+03	2.697413e+03	2.450117e+03
##	48421	48422	48423	48424	48425
##	1.493650e+03	2.455956e+03	2.345213e+03	2.939873e+03	2.116832e+03
##	48426	48427	48428	48429	48430
##	2.260021e+03	1.286973e+03	2.659147e+03	1.685975e+03	1.352890e+03
##	48431	48432	48433	48434	48435
##	1.518561e+03	8.491442e+02	2.466413e+03	2.539803e+03	2.351245e+03
##	48436	48437	48438	48439	48440
##	2.534533e+03	2.504357e+03	2.477781e+03	2.461750e+03	2.505665e+03
##	48441	48442	48443	48444	48445
##	2.448109e+03	2.491830e+03	2.430528e+03	2.450267e+03	2.488959e+03
##	48446	48447	48448	48449	48450
##	2.392386e+03	2.295053e+03	1.166549e+03	2.106046e+03	2.759003e+03
##	48451	48452	48453	48454	48455
##	2.550255e+03	2.777225e+03	2.767925e+03	2.808275e+03	2.574781e+03
##	48456	48457	48458	48459	48460
##	2.822273e+03	2.903886e+03	2.100135e+03	2.537666e+03	3.044354e+03
##	48461	48462	48463	48464	48465
##	2.510826e+03	2.930597e+03	2.476553e+03	2.355696e+03	2.791168e+03
##	48466	48467	48468	48469	48470
##	7.310469e+02	1.837832e+03	2.219023e+03	2.502432e+03	1.744812e+03
##	48471	48472	48473	48474	48475
##	2.766841e+03	2.832892e+03	2.950980e+03	2.813858e+03	2.582838e+03
##	48476	48477	48478	48479	48480
##	1.759894e+03	2.542388e+03	8.743809e+02	8.239428e+02	2.922077e+03
##	48481	48482	48483	48484	48485

##	2.920646e+03	2.892422e+03	2.488543e+03	2.251837e+03	2.655171e+03
##	48486	48487	48488	48489	48490
##	2.628961e+03	2.635483e+03	2.066528e+03	1.831186e+03	3.022529e+03
##	48491	48492	48493	48494	48495
##	2.745708e+03	2.822368e+03	2.731251e+03	3.522802e+03	2.115570e+03
##	48496	48497	48498	48499	48500
##	2.824270e+03	2.784908e+03	2.681822e+03	2.149080e+03	2.066421e+03
##	48501	48502	48503	48504	48505
##	1.786033e+03	2.831263e+03	2.844161e+03	3.145314e+03	2.584419e+03
##	48506	48507	48508	48509	48510
##	1.096104e+03	1.187495e+03	1.794834e+03	2.759547e+03	2.075233e+03
##	48511	48512	48513	48514	48515
##	2.928425e+03	2.258716e+03	2.887295e+03	2.628674e+03	2.718850e+03
##	48516	48517	48518	48519	48520
##	2.543277e+03	2.616881e+03	2.679390e+03	2.632964e+03	1.677156e+03
##	48521	48522	48523	48524	48525
##	2.817084e+03	2.803040e+03	2.786385e+03	2.754023e+03	2.775424e+03
##	48526	48527	48528	48529	48530
##	2.816627e+03	2.127565e+03	2.177970e+03	2.934888e+03	2.669743e+03
##	48531	48532	48533	48534	48535
##	-3.356403e+01	1.929129e+03	2.333032e+03	2.103592e+03	2.919774e+03
##	48536	48537	48538	48539	48540
##	2.521994e+03	2.531128e+03	2.179041e+03	2.379794e+03	2.537369e+03
##	48541	48542	48543	48544	48545
##	9.023320e+02	2.287869e+03	1.848343e+03	2.703520e+03	2.045257e+03
##	48546	48547	48548	48549	48550
##	2.672747e+03	2.765911e+03	9.155817e+02	2.955837e+03	2.612950e+03
##	48551	48552	48553	48554	48555
##	2.126886e+03	2.336233e+03	2.978822e+03	2.173622e+03	3.018622e+03
##	48556	48557	48558	48559	48560
##	2.764023e+03	2.762260e+03	1.187840e+03	2.532608e+03	2.161376e+03
##	48561	48562	48563	48564	48565
##	2.731691e+03	2.734979e+03	2.467318e+03	2.739482e+03	3.020467e+03
##	48566	48567	48568	48569	48570
##	2.119442e+03	2.380058e+03	2.670490e+03	2.118496e+03	2.621632e+03
##	48571	48572	48573	48574	48575
##	2.539051e+03	1.704263e+03	2.878875e+03	1.831870e+03	2.718390e+03
##	48576	48577	48578	48579	48580
##	2.954591e+03	2.195937e+03	2.411589e+03	2.537642e+03	2.436845e+03
##	48581	48582	48583	48584	48585
##	2.406714e+03	2.552213e+03	2.555342e+03	2.495461e+03	2.463195e+03
##	48586	48587	48588	48589	48590
##	2.511594e+03	2.542505e+03	2.418267e+03	2.425692e+03	2.775994e+03
##	48591	48592	48593	48594	48595
##	2.158917e+03	9.654521e+02	2.641686e+03	1.537966e+03	1.264467e+03
##	48596	48597	48598	48599	48600
##	1.148513e+03	2.597091e+03	1.784234e+03	1.527294e+03	2.787922e+03
##	48601	48602	48603	48604	48605
##	2.383807e+03	2.285556e+03	2.360879e+03	2.444506e+03	2.229964e+03
##	48606	48607	48608	48609	48610
##	1.346354e+03	-1.502902e+02	2.697312e+03	2.807879e+03	1.161144e+03
##	48611	48612	48613	48614	48615
##	1.164031e+03	2.739021e+03	2.721990e+03	2.745335e+03	1.939740e+03
##	48616	48617	48618	48619	48620

##	2.105488e+03	1.479459e+03	8.995977e+02	1.125815e+03	1.554615e+03
##	48621	48622	48623	48624	48625
##	1.106414e+03	1.035999e+03	2.318974e+03	1.957374e+03	1.806574e+03
##	48626	48627	48628	48629	48630
##	2.806207e+03	2.206398e+03	2.756187e+03	4.413537e+02	4.536263e+02
##	48631	48632	48633	48634	48635
##	-1.710248e+03	-1.515814e+03	-1.104078e+03	-4.366608e+02	-1.171133e+03
##	48636	48637	48638	48639	48640
##	2.729215e+02	-1.590232e+02	2.038295e+02	-1.385813e+03	-1.297864e+03
##	48641	48642	48643	48644	48645
##	-1.269137e+03	-1.399660e+03	-1.244185e+03	-1.245229e+03	3.791484e+02
##	48646	48647	48648	48649	48650
##	1.918896e+02	2.083597e+02	9.373467e+01	-2.054692e+02	-2.500990e+02
##	48651	48652	48653	48654	48655
##	2.588829e+01	-7.631987e+00	-4.590833e+02	-1.582874e+02	-6.675101e+01
##	48656	48657	48658	48659	48660
##	-8.645241e+01	-1.520932e+02	-8.887108e+00	-1.740641e+02	-2.055029e+02
##	48661	48662	48663	48664	48665
##	1.839599e+03	2.393934e+03	2.728974e+03	2.743443e+03	2.749981e+03
##	48666	48667	48668	48669	48670
##	1.961042e+03	9.312432e+02	1.990062e+03	2.858631e+03	1.063403e+03
##	48671	48672	48673	48674	48675
##	2.330176e+03	2.544336e+03	2.615532e+03	1.765301e+03	7.973335e+02
##	48676	48677	48678	48679	48680
##	2.709791e+03	2.955763e+03	2.858573e+03	2.547926e+03	2.551148e+03
##	48681	48682	48683	48684	48685
##	2.600352e+03	2.775198e+03	2.749834e+03	2.805800e+03	1.717355e+03
##	48686	48687	48688	48689	48690
##	2.215501e+03	1.315814e+03	2.333807e+03	2.368358e+03	1.939805e+03
##	48691	48692	48693	48694	48695
##	2.298802e+03	2.652626e+03	2.653722e+03	2.917165e+03	2.470630e+03
##	48696	48697	48698	48699	48700
##	2.850121e+03	2.833161e+03	1.696656e+03	2.525837e+03	2.764293e+03
##	48701	48702	48703	48704	48705
##	2.414464e+03	2.734037e+03	2.842005e+03	2.824372e+03	2.882157e+03
##	48706	48707	48708	48709	48710
##	2.125684e+03	2.864199e+03	2.111305e+03	2.710855e+03	2.854492e+03
##	48711	48712	48713	48714	48715
##	2.692290e+03	2.828018e+03	2.787060e+03	3.065736e+03	2.722614e+03
##	48716	48717	48718	48719	48720
##	1.371965e+03	1.310211e+03	2.038115e+03	2.571496e+03	1.973885e+03
##	48721	48722	48723	48724	48725
##	2.381360e+03	2.590026e+03	2.544189e+03	2.456654e+03	2.557137e+03
##	48726	48727	48728	48729	48730
##	2.580106e+03	2.572180e+03	2.604689e+03	2.571185e+03	2.621004e+03
##	48731	48732	48733	48734	48735
##	2.607792e+03	2.491009e+03	2.544615e+03	2.594788e+03	2.451125e+03
##	48736	48737	48738	48739	48740
##	3.054265e+03	2.076576e+03	2.471801e+03	3.319278e+03	2.371481e+03
##	48741	48742	48743	48744	48745
##	1.883382e+03	2.741983e+03	2.541832e+03	2.024262e+03	2.121191e+03
##	48746	48747	48748	48749	48750
##	2.686712e+03	1.652265e+03	1.669588e+03	2.772031e+03	2.827881e+03
##	48751	48752	48753	48754	48755

##	2.762827e+03	2.702616e+03	2.678705e+03	1.939938e+03	2.495241e+03
##	48756	48757	48758	48759	48760
##	1.726008e+03	2.730353e+03	2.783301e+03	2.719961e+03	2.552442e+03
##	48761	48762	48763	48764	48765
##	2.654497e+03	2.693743e+03	2.115013e+03	2.389679e+03	7.981464e+02
##	48766	48767	48768	48769	48770
##	2.182624e+03	2.678851e+03	2.040919e+03	2.776332e+03	3.026776e+03
##	48771	48772	48773	48774	48775
##	2.606545e+03	2.652420e+03	2.051181e+03	1.945414e+03	2.203191e+03
##	48776	48777	48778	48779	48780
##	1.831541e+03	2.945040e+03	2.375109e+03	2.111283e+03	2.098351e+03
##	48781	48782	48783	48784	48785
##	2.329880e+03	3.017960e+03	2.309939e+03	2.994094e+03	1.701186e+03
##	48786	48787	48788	48789	48790
##	1.853173e+03	1.925813e+03	3.083091e+03	2.859903e+03	2.837035e+03
##	48791	48792	48793	48794	48795
##	2.830507e+03	1.799621e+03	6.378916e+02	1.895525e+03	5.458968e+02
##	48796	48797	48798	48799	48800
##	2.026323e+03	2.880859e+03	1.908746e+03	1.412720e+03	3.158273e+03
##	48801	48802	48803	48804	48805
##	2.239841e+03	3.080777e+03	2.502266e+03	2.724339e+03	2.703935e+03
##	48806	48807	48808	48809	48810
##	2.706716e+03	1.859457e+03	2.503453e+03	3.048310e+03	1.857153e+03
##	48811	48812	48813	48814	48815
##	2.053564e+03	2.027876e+03	2.361468e+03	1.891392e+03	2.992815e+03
##	48816	48817	48818	48819	48820
##	2.662717e+03	2.608752e+03	2.413053e+03	2.209045e+03	2.446081e+03
##	48821	48822	48823	48824	48825
##	1.560087e+03	1.675234e+03	2.852073e+03	1.841584e+03	2.235311e+03
##	48826	48827	48828	48829	48830
##	1.553205e+03	1.613917e+03	1.327031e+03	3.126255e+03	2.681534e+03
##	48831	48832	48833	48834	48835
##	1.962302e+03	2.505247e+03	2.872418e+03	2.994687e+03	2.751183e+03
##	48836	48837	48838	48839	48840
##	2.919728e+03	2.215934e+03	2.583119e+03	2.460072e+03	2.633770e+03
##	48841	48842	48843	48844	48845
##	2.656587e+03	2.597016e+03	2.378814e+03	2.307082e+03	9.302336e+02
##	48846	48847	48848	48849	48850
##	1.517218e+03	1.935580e+03	2.048665e+03	2.946704e+03	2.065295e+03
##	48851	48852	48853	48854	48855
##	2.847184e+03	2.651795e+03	1.516263e+03	1.610192e+03	1.706579e+03
##	48856	48857	48858	48859	48860
##	2.610215e+03	2.588970e+03	2.594189e+03	2.297662e+03	2.851219e+03
##	48861	48862	48863	48864	48865
##	1.468575e+03	1.409348e+03	1.277571e+03	1.460937e+03	1.154912e+03
##	48866	48867	48868	48869	48870
##	1.892924e+03	2.311755e+03	2.656119e+03	1.375360e+03	1.321667e+03
##	48871	48872	48873	48874	48875
##	1.186263e+03	2.335264e+03	-2.004345e+02	2.820067e+03	1.995791e+03
##	48876	48877	48878	48879	48880
##	1.959179e+03	2.379835e+03	1.932495e+03	1.295474e+03	2.678759e+03
##	48881	48882	48883	48884	48885
##	1.941775e+03	2.847017e+03	1.957604e+03	1.845936e+03	1.047773e+02
##	48886	48887	48888	48889	48890

##	2.741053e+03	1.837287e+03	1.604611e+03	2.810524e+03	1.784472e+03
##	48891	48892	48893	48894	48895
##	3.023332e+03	2.852103e+03	2.838465e+03	2.838201e+03	2.884267e+03
##	48896	48897	48898	48899	48900
##	3.031295e+03	2.576140e+03	2.062682e+03	2.632453e+03	3.103227e+03
##	48901	48902	48903	48904	48905
##	3.047607e+03	2.532114e+03	2.656525e+03	2.640229e+03	2.485484e+03
##	48906	48907	48908	48909	48910
##	2.647701e+03	2.824823e+03	2.610825e+03	2.823399e+03	2.861192e+03
##	48911	48912	48913	48914	48915
##	2.857535e+03	2.807362e+03	2.963638e+03	2.950138e+03	2.643374e+03
##	48916	48917	48918	48919	48920
##	2.603414e+03	2.621334e+03	2.584986e+03	2.538379e+03	2.133148e+03
##	48921	48922	48923	48924	48925
##	2.588817e+03	2.771270e+03	2.743473e+03	2.649212e+03	2.702290e+03
##	48926	48927	48928	48929	48930
##	2.693648e+03	2.179049e+03	2.916275e+03	3.257625e+03	3.304971e+03
##	48931	48932	48933	48934	48935
##	1.062618e+03	2.729678e+03	1.887813e+03	3.118368e+03	3.138102e+03
##	48936	48937	48938	48939	48940
##	2.401828e+03	1.537034e+03	1.333877e+03	2.807671e+03	2.464295e+03
##	48941	48942	48943	48944	48945
##	2.547822e+03	3.445689e+03	1.933665e+03	2.167488e+03	2.818660e+03
##	48946	48947	48948	48949	48950
##	2.562705e+03	2.975460e+03	8.096019e+02	1.543189e+03	-1.080964e+02
##	48951	48952	48953	48954	48955
##	2.627938e+03	2.636758e+03	2.737748e+03	2.194755e+03	2.241085e+03
##	48956	48957	48958	48959	48960
##	2.113604e+03	2.121353e+03	2.169960e+03	2.019537e+03	2.422791e+03
##	48961	48962	48963	48964	48965
##	-3.618467e+02	-3.568543e+01	-4.053521e+01	5.580786e+01	-4.880102e+01
##	48966	48967	48968	48969	48970
##	9.131782e-01	6.661617e+01	1.240015e+02	1.451619e+02	-6.393861e+01
##	48971	48972	48973	48974	48975
##	1.198768e+02	-8.458398e+01	-1.194941e+02	-9.345462e+01	-1.667562e+02
##	48976	48977	48978	48979	48980
##	8.943361e+01	-4.849391e+02	-3.739141e+02	-3.669192e+02	-7.474508e+01
##	48981	48982	48983	48984	48985
##	1.170761e+02	9.288271e+01	7.156026e+02	7.400371e+02	-1.838902e+03
##	48986	48987	48988	48989	48990
##	7.810725e+02	-3.299360e+02	-3.938434e+02	-3.064442e+02	-3.465914e+02
##	48991	48992	48993	48994	48995
##	2.903385e+03	2.584473e+03	1.953806e+03	1.356842e+03	1.391461e+03
##	48996	48997	48998	48999	49000
##	-1.054260e+03	2.215555e+03	2.233832e+03	1.384631e+03	1.948077e+03
##	49001	49002	49003	49004	49005
##	1.049755e+03	3.027051e+03	2.941629e+03	1.063428e+03	2.583286e+03
##	49006	49007	49008	49009	49010
##	2.673197e+03	2.648356e+03	2.611181e+03	2.678694e+03	1.322442e+03
##	49011	49012	49013	49014	49015
##	1.763365e+03	2.344194e+03	2.906384e+03	2.530338e+03	2.659975e+03
##	49016	49017	49018	49019	49020
##	2.547223e+03	2.527162e+03	2.680596e+03	2.683674e+03	2.530877e+03
##	49021	49022	49023	49024	49025

##	1.599383e+03	2.320196e+03	2.556189e+03	2.772813e+03	2.757771e+03
##	49026	49027	49028	49029	49030
##	1.905686e+03	1.293181e+03	2.101651e+03	2.449962e+03	2.637214e+03
##	49031	49032	49033	49034	49035
##	2.757014e+03	2.769964e+03	1.808243e+03	2.945400e+03	1.772919e+03
##	49036	49037	49038	49039	49040
##	2.393297e+03	1.229684e+03	3.015013e+03	3.008584e+03	3.064547e+03
##	49041	49042	49043	49044	49045
##	9.531761e+02	2.181629e+03	2.682321e+03	1.760325e+03	1.661343e+03
##	49046	49047	49048	49049	49050
##	2.196277e+03	2.243330e+03	2.353497e+03	1.216681e+03	2.602828e+03
##	49051	49052	49053	49054	49055
##	1.780212e+03	2.271583e+03	1.964513e+03	1.723322e+03	2.658093e+03
##	49056	49057	49058	49059	49060
##	2.472283e+03	3.041426e+03	3.258787e+03	1.244995e+03	1.714959e+03
##	49061	49062	49063	49064	49065
##	1.624745e+03	2.182818e+03	2.109326e+03	2.567115e+03	2.858166e+03
##	49066	49067	49068	49069	49070
##	2.959875e+03	3.022377e+03	8.869523e+02	1.079282e+03	2.359458e+03
##	49071	49072	49073	49074	49075
##	2.805979e+03	2.611083e+03	2.958758e+03	2.513939e+03	2.945146e+03
##	49076	49077	49078	49079	49080
##	3.016255e+03	2.767954e+03	1.965753e+03	2.196335e+03	2.601495e+03
##	49081	49082	49083	49084	49085
##	2.626151e+03	1.755725e+03	2.072277e+03	2.793669e+03	2.990782e+03
##	49086	49087	49088	49089	49090
##	2.871395e+03	2.956676e+03	2.109640e+03	2.120047e+03	2.690968e+03
##	49091	49092	49093	49094	49095
##	1.804336e+03	1.755486e+03	1.699680e+03	2.563318e+03	2.693779e+03
##	49096	49097	49098	49099	49100
##	1.799839e+03	2.718142e+03	2.409992e+03	2.823196e+03	2.267047e+03
##	49101	49102	49103	49104	49105
##	2.672399e+03	2.718578e+03	2.867820e+03	2.870609e+03	2.890694e+03
##	49106	49107	49108	49109	49110
##	3.202965e+03	2.747516e+03	2.504185e+03	5.083934e+02	4.368500e+02
##	49111	49112	49113	49114	49115
##	2.726211e+03	2.827597e+03	2.639314e+03	2.828723e+03	2.778876e+03
##	49116	49117	49118	49119	49120
##	1.800725e+03	1.788264e+03	3.177250e+03	2.926610e+03	2.113375e+03
##	49121	49122	49123	49124	49125
##	1.919076e+03	2.133698e+03	1.961273e+03	1.925875e+03	2.707380e+03
##	49126	49127	49128	49129	49130
##	2.713790e+03	2.644253e+03	2.694381e+03	2.704038e+03	2.714216e+03
##	49131	49132	49133	49134	49135
##	2.681479e+03	2.721428e+03	2.587630e+03	2.623327e+03	2.672770e+03
##	49136	49137	49138	49139	49140
##	2.708901e+03	2.668738e+03	2.700076e+03	2.680078e+03	2.585157e+03
##	49141	49142	49143	49144	49145
##	2.444791e+03	2.091845e+03	2.495822e+03	3.129344e+03	2.399037e+03
##	49146	49147	49148	49149	49150
##	2.695877e+03	1.984024e+03	2.278370e+03	4.545502e+02	2.848796e+03
##	49151	49152	49153	49154	49155
##	2.224589e+03	2.499022e+03	2.374596e+03	1.891031e+03	3.115585e+03
##	49156	49157	49158	49159	49160

##	2.408639e+03	2.289197e+03	2.350860e+03	2.447641e+03	2.373372e+03
##	49161	49162	49163	49164	49165
##	2.550342e+03	2.120612e+03	1.166236e+03	2.111856e+03	2.567905e+03
##	49166	49167	49168	49169	49170
##	2.735346e+03	1.727790e+03	2.003374e+03	3.252295e+03	1.763780e+03
##	49171	49172	49173	49174	49175
##	2.700109e+03	2.766636e+03	2.749262e+03	2.379865e+03	2.788797e+03
##	49176	49177	49178	49179	49180
##	6.927364e+02	2.554483e+03	2.604402e+03	2.611104e+03	1.876314e+03
##	49181	49182	49183	49184	49185
##	3.029672e+03	3.176823e+03	2.193326e+03	1.849475e+03	2.788164e+03
##	49186	49187	49188	49189	49190
##	1.917278e+03	2.357887e+03	2.651345e+03	1.096542e+03	2.584846e+03
##	49191	49192	49193	49194	49195
##	2.231931e+03	2.247095e+03	2.344480e+03	2.848547e+03	1.170888e+03
##	49196	49197	49198	49199	49200
##	2.921971e+03	2.920246e+03	2.955468e+03	2.957406e+03	2.677238e+03
##	49201	49202	49203	49204	49205
##	1.915922e+03	2.842732e+03	2.716015e+03	8.334234e+02	2.008831e+03
##	49206	49207	49208	49209	49210
##	1.964711e+03	2.928308e+03	2.021358e+03	2.736510e+03	2.738646e+03
##	49211	49212	49213	49214	49215
##	2.737389e+03	2.676288e+03	2.636438e+03	2.640606e+03	2.997258e+03
##	49216	49217	49218	49219	49220
##	2.825488e+03	2.835666e+03	2.039340e+03	1.778948e+03	2.654764e+03
##	49221	49222	49223	49224	49225
##	2.480290e+03	3.077230e+03	2.900061e+03	2.843205e+03	2.896130e+03
##	49226	49227	49228	49229	49230
##	2.901496e+03	2.685860e+03	2.488964e+03	1.232762e+03	2.511141e+03
##	49231	49232	49233	49234	49235
##	2.685647e+03	2.632856e+03	1.797364e+03	1.747824e+03	1.749265e+03
##	49236	49237	49238	49239	49240
##	2.093892e+03	1.810916e+03	2.823438e+03	3.150621e+03	2.458198e+03
##	49241	49242	49243	49244	49245
##	2.544616e+03	2.646859e+03	2.117387e+03	1.917196e+03	2.378919e+03
##	49246	49247	49248	49249	49250
##	2.374533e+03	2.847235e+03	1.067883e+03	1.307118e+03	2.501176e+03
##	49251	49252	49253	49254	49255
##	1.744060e+03	2.330992e+03	1.356115e+03	2.267606e+03	1.633627e+03
##	49256	49257	49258	49259	49260
##	2.875211e+03	2.793268e+03	1.489094e+03	2.676708e+03	2.344572e+03
##	49261	49262	49263	49264	49265
##	2.965940e+03	2.972862e+03	2.164583e+03	2.002808e+03	2.805701e+03
##	49266	49267	49268	49269	49270
##	2.867353e+03	1.555004e+03	2.291729e+03	2.983076e+03	2.026064e+03
##	49271	49272	49273	49274	49275
##	2.504396e+03	2.184199e+03	2.796270e+03	2.735492e+03	2.792862e+03
##	49276	49277	49278	49279	49280
##	2.744888e+03	2.735654e+03	2.733665e+03	2.745175e+03	2.310603e+03
##	49281	49282	49283	49284	49285
##	2.819739e+03	3.125839e+03	2.304001e+03	1.920964e+03	2.846301e+03
##	49286	49287	49288	49289	49290
##	1.834659e+03	1.786951e+03	1.279401e+03	9.270657e+02	2.679905e+03
##	49291	49292	49293	49294	49295

##	8.995518e+02	6.428914e+01	2.899154e+01	6.168718e+00	4.941503e+01
##	49296	49297	49298	49299	49300
##	1.405235e+02	1.761217e+02	-1.514457e+03	-1.788107e+03	-1.594748e+03
##	49301	49302	49303	49304	49305
##	-1.743463e+02	-2.977526e+02	1.546058e+02	7.994366e+02	8.826777e+02
##	49306	49307	49308	49309	49310
##	-4.348303e+02	4.655943e+01	1.149718e+02	1.261946e+02	-1.049160e+03
##	49311	49312	49313	49314	49315
##	-1.074072e+03	-1.105175e+01	2.555568e+01	4.237326e+01	7.786232e+02
##	49316	49317	49318	49319	49320
##	-1.143413e+03	-1.232230e+03	-1.305445e+03	-1.135470e+03	-1.094142e+03
##	49321	49322	49323	49324	49325
##	2.727210e+03	2.644163e+03	2.253968e+03	2.753474e+03	2.713738e+03
##	49326	49327	49328	49329	49330
##	1.629501e+03	2.727210e+03	2.766271e+03	2.412671e+03	2.958533e+03
##	49331	49332	49333	49334	49335
##	2.557807e+03	2.758936e+03	1.251674e+03	2.294147e+03	2.672301e+03
##	49336	49337	49338	49339	49340
##	3.078040e+03	3.026298e+03	3.058347e+03	2.417721e+03	2.632589e+03
##	49341	49342	49343	49344	49345
##	2.967728e+03	2.079224e+03	2.126724e+03	2.069142e+03	2.161997e+03
##	49346	49347	49348	49349	49350
##	2.236000e+03	3.263011e+03	2.006433e+03	2.546391e+03	9.205377e+02
##	49351	49352	49353	49354	49355
##	9.616279e+02	2.652366e+03	2.936910e+03	2.703828e+03	2.028330e+03
##	49356	49357	49358	49359	49360
##	2.041790e+03	1.804951e+03	2.728467e+03	2.724765e+03	2.763227e+03
##	49361	49362	49363	49364	49365
##	2.286571e+03	1.496655e+03	1.646976e+03	1.473364e+03	1.663747e+03
##	49366	49367	49368	49369	49370
##	2.774274e+03	2.824630e+03	2.064421e+03	2.889256e+03	3.046073e+03
##	49371	49372	49373	49374	49375
##	1.970321e+03	2.993375e+03	8.637600e+02	1.836461e+03	2.714922e+03
##	49376	49377	49378	49379	49380
##	1.956552e+03	1.681808e+03	2.031083e+03	1.635072e+03	1.789808e+03
##	49381	49382	49383	49384	49385
##	2.848233e+03	2.924333e+03	2.795436e+03	2.620168e+03	1.516002e+03
##	49386	49387	49388	49389	49390
##	2.853648e+03	1.435168e+03	1.283781e+03	2.777342e+03	2.772905e+03
##	49391	49392	49393	49394	49395
##	2.944473e+03	2.163433e+03	2.732339e+03	2.520557e+03	1.907696e+03
##	49396	49397	49398	49399	49400
##	1.938321e+03	2.841619e+03	2.635496e+03	2.554392e+03	2.565566e+03
##	49401	49402	49403	49404	49405
##	2.638152e+03	3.063522e+03	2.888653e+03	2.521392e+03	2.869344e+03
##	49406	49407	49408	49409	49410
##	2.558599e+03	1.573378e+03	2.153920e+03	2.533371e+03	2.679650e+03
##	49411	49412	49413	49414	49415
##	2.645621e+03	2.678514e+03	2.995281e+03	2.647815e+03	2.830857e+03
##	49416	49417	49418	49419	49420
##	3.258140e+03	2.171960e+03	2.719445e+03	2.767518e+03	2.712907e+03
##	49421	49422	49423	49424	49425
##	2.708617e+03	2.580936e+03	1.759755e+03	2.216533e+03	2.236824e+03
##	49426	49427	49428	49429	49430

##	2.212699e+03	2.224480e+03	1.806711e+03	1.819877e+03	1.843583e+03
##	49431	49432	49433	49434	49435
##	2.291781e+03	2.295858e+03	2.398760e+03	2.828095e+03	1.571204e+03
##	49436	49437	49438	49439	49440
##	2.395773e+03	2.959014e+03	2.869270e+03	1.716136e+03	1.701377e+03
##	49441	49442	49443	49444	49445
##	2.037750e+03	2.885905e+03	1.341696e+03	1.380698e+03	1.863510e+03
##	49446	49447	49448	49449	49450
##	1.783310e+03	1.802066e+03	1.781592e+03	2.561971e+03	2.382466e+03
##	49451	49452	49453	49454	49455
##	2.298283e+03	2.423424e+03	1.934420e+03	2.034038e+03	2.748473e+03
##	49456	49457	49458	49459	49460
##	2.486854e+03	2.559638e+03	2.393114e+03	3.024843e+03	2.262027e+03
##	49461	49462	49463	49464	49465
##	2.830322e+03	1.420198e+03	1.490083e+03	1.909269e+03	-1.835203e+02
##	49466	49467	49468	49469	49470
##	2.333913e+03	2.514464e+03	2.482361e+03	2.520078e+03	2.482133e+03
##	49471	49472	49473	49474	49475
##	2.227215e+03	3.011161e+03	3.408253e+03	1.902716e+03	1.858647e+03
##	49476	49477	49478	49479	49480
##	2.822823e+03	1.818766e+03	2.848269e+03	2.895138e+03	1.875627e+03
##	49481	49482	49483	49484	49485
##	2.238668e+03	2.855380e+03	2.860096e+03	1.756323e+03	1.426621e+03
##	49486	49487	49488	49489	49490
##	2.595831e+03	2.403012e+03	2.961828e+03	1.980083e+03	2.090948e+03
##	49491	49492	49493	49494	49495
##	2.803599e+03	2.813306e+03	2.777124e+03	1.597495e+03	8.364936e+02
##	49496	49497	49498	49499	49500
##	1.363343e+03	2.170692e+03	2.429286e+03	3.138525e+03	2.691124e+03
##	49501	49502	49503	49504	49505
##	2.678399e+03	2.940862e+03	2.160331e+03	2.787987e+03	2.725887e+03
##	49506	49507	49508	49509	49510
##	2.854937e+03	1.918078e+03	2.002817e+03	2.616682e+03	2.132625e+03
##	49511	49512	49513	49514	49515
##	2.699531e+03	2.432114e+03	1.996037e+03	2.168530e+03	2.629464e+03
##	49516	49517	49518	49519	49520
##	2.122031e+03	2.074489e+03	3.140613e+03	1.447105e+03	1.411284e+03
##	49521	49522	49523	49524	49525
##	2.348819e+03	9.168692e+02	2.045554e+03	2.827050e+03	2.757345e+03
##	49526	49527	49528	49529	49530
##	2.815405e+03	2.253003e+03	2.440103e+03	1.893630e+03	1.857381e+03
##	49531	49532	49533	49534	49535
##	2.679780e+03	2.720826e+03	2.986061e+03	1.938349e+03	3.154164e+03
##	49536	49537	49538	49539	49540
##	3.134167e+03	2.744522e+03	2.015321e+03	1.167531e+03	2.111681e+03
##	49541	49542	49543	49544	49545
##	2.223099e+03	2.100575e+03	2.932904e+03	2.727471e+03	2.346935e+03
##	49546	49547	49548	49549	49550
##	2.983588e+03	2.667247e+03	1.761612e+03	2.015398e+03	2.808578e+03
##	49551	49552	49553	49554	49555
##	2.799971e+03	2.796320e+03	2.819188e+03	2.274230e+03	1.743176e+03
##	49556	49557	49558	49559	49560
##	2.292327e+03	7.508000e+03	7.508000e+03	3.132087e+03	1.391181e+03
##	49561	49562	49563	49564	49565

##	3.003632e+03	2.996345e+03	1.873443e+03	2.910945e+03	2.870065e+03
##	49566	49567	49568	49569	49570
##	2.854151e+03	1.467524e+03	3.290363e+03	2.892519e+03	2.104562e+03
##	49571	49572	49573	49574	49575
##	2.336813e+03	3.025900e+03	3.068575e+03	3.127737e+03	2.580232e+03
##	49576	49577	49578	49579	49580
##	1.409748e+03	3.068170e+03	2.479672e+03	3.080859e+03	1.511973e+03
##	49581	49582	49583	49584	49585
##	2.656947e+03	2.754559e+03	1.951728e+03	2.761138e+03	1.267271e+03
##	49586	49587	49588	49589	49590
##	1.146443e+03	3.073840e+03	2.090237e+03	1.964612e+03	2.815840e+03
##	49591	49592	49593	49594	49595
##	2.678907e+03	1.839823e+03	1.688095e+03	2.374745e+03	2.836785e+03
##	49596	49597	49598	49599	49600
##	3.232572e+03	3.013265e+03	2.787017e+03	2.769164e+03	1.972351e+03
##	49601	49602	49603	49604	49605
##	2.828130e+03	2.858530e+03	2.976661e+03	2.625683e+03	2.604966e+03
##	49606	49607	49608	49609	49610
##	2.483158e+03	1.587858e+03	1.915004e+03	2.791609e+03	2.755774e+03
##	49611	49612	49613	49614	49615
##	2.426841e+03	2.233655e+03	1.803710e+02	2.946796e+03	2.012853e+03
##	49616	49617	49618	49619	49620
##	2.150776e+03	2.362528e+03	1.938384e+03	3.021077e+03	2.784479e+03
##	49621	49622	49623	49624	49625
##	-9.697235e+02	-1.077796e+03	-7.205519e+02	-1.009250e+03	-1.107613e+03
##	49626	49627	49628	49629	49630
##	-9.125603e+02	-9.268326e+02	-1.105707e+03	-1.151758e+03	-1.259960e+03
##	49631	49632	49633	49634	49635
##	-1.247221e+03	-1.244563e+03	-1.327068e+03	-1.261689e+03	-1.286904e+03
##	49636	49637	49638	49639	49640
##	-1.309768e+03	-1.233679e+03	-1.293064e+03	-1.249593e+03	-1.288531e+03
##	49641	49642	49643	49644	49645
##	-1.167944e+03	-1.000367e+03	-1.213772e+03	-8.200302e+02	-9.206541e+02
##	49646	49647	49648	49649	49650
##	-8.947530e+02	-9.026681e+02	-8.408493e+02	-9.077742e+02	-9.289628e+02
##	49651	49652	49653	49654	49655
##	1.930744e+03	2.994256e+03	1.645507e+03	1.559299e+03	1.309120e+03
##	49656	49657	49658	49659	49660
##	1.696178e+03	1.696062e+03	1.648424e+03	1.777265e+03	1.806076e+03
##	49661	49662	49663	49664	49665
##	1.839752e+03	2.228299e+03	2.444395e+03	2.851440e+03	3.008593e+03
##	49666	49667	49668	49669	49670
##	2.696024e+03	2.050460e+03	2.773376e+03	2.759379e+03	1.430401e+03
##	49671	49672	49673	49674	49675
##	1.353164e+03	1.368633e+03	1.427861e+03	3.004153e+03	3.043622e+03
##	49676	49677	49678	49679	49680
##	1.159738e+03	3.420847e+03	7.067863e+02	2.589149e+03	2.607874e+03
##	49681	49682	49683	49684	49685
##	2.346389e+03	2.143392e+03	2.319116e+03	2.255633e+03	1.387003e+03
##	49686	49687	49688	49689	49690
##	2.764531e+03	2.578838e+03	3.191464e+03	3.072215e+03	3.089510e+03
##	49691	49692	49693	49694	49695
##	3.014532e+03	2.748004e+03	2.177849e+03	2.665294e+03	2.721356e+03
##	49696	49697	49698	49699	49700

##	2.849448e+03	2.881401e+03	3.222359e+03	1.990764e+03	1.708159e+03
##	49701	49702	49703	49704	49705
##	1.777696e+03	2.595815e+03	2.667047e+03	3.140816e+03	2.891260e+03
##	49706	49707	49708	49709	49710
##	2.891641e+03	2.866728e+03	1.551363e+03	1.783494e+03	3.013153e+03
##	49711	49712	49713	49714	49715
##	2.603737e+03	1.709706e+03	1.520119e+03	2.682407e+03	2.964278e+03
##	49716	49717	49718	49719	49720
##	2.255409e+03	1.865610e+03	3.304416e+03	2.291971e+03	2.361335e+03
##	49721	49722	49723	49724	49725
##	2.545279e+03	2.617980e+03	1.902212e+03	2.434664e+03	2.820966e+03
##	49726	49727	49728	49729	49730
##	2.409618e+03	2.182497e+03	2.603222e+03	2.716148e+03	2.479298e+03
##	49731	49732	49733	49734	49735
##	2.552647e+03	2.413570e+03	2.340636e+03	2.230448e+03	2.176503e+03
##	49736	49737	49738	49739	49740
##	1.085878e+03	2.925402e+03	3.044906e+03	1.921863e+03	2.944426e+03
##	49741	49742	49743	49744	49745
##	3.170393e+03	2.202009e+03	2.186967e+03	2.321042e+03	3.207741e+03
##	49746	49747	49748	49749	49750
##	2.394558e+03	2.336012e+03	1.961343e+03	3.017754e+03	2.396345e+03
##	49751	49752	49753	49754	49755
##	2.953635e+03	2.818431e+03	2.852705e+03	2.062345e+03	2.875549e+03
##	49756	49757	49758	49759	49760
##	1.391815e+03	1.955707e+03	1.828321e+03	2.135318e+03	2.511923e+03
##	49761	49762	49763	49764	49765
##	1.663749e+03	1.149857e+03	1.355237e+03	2.895385e+03	2.927438e+03
##	49766	49767	49768	49769	49770
##	2.888224e+03	2.521809e+03	2.479984e+03	2.516687e+03	2.650060e+03
##	49771	49772	49773	49774	49775
##	2.663317e+03	2.639617e+03	2.524985e+03	-4.307878e+03	2.937939e+03
##	49776	49777	49778	49779	49780
##	2.867906e+03	2.721567e+03	2.860449e+03	3.014278e+03	2.817786e+03
##	49781	49782	49783	49784	49785
##	2.884336e+03	3.233642e+03	2.858233e+03	2.254262e+03	2.099394e+03
##	49786	49787	49788	49789	49790
##	2.496465e+03	2.443976e+03	2.258143e+03	2.938736e+03	2.716299e+03
##	49791	49792	49793	49794	49795
##	2.942951e+03	2.934978e+03	1.853285e+03	2.775806e+03	2.277828e+03
##	49796	49797	49798	49799	49800
##	2.700314e+03	2.036902e+03	2.926599e+03	2.321461e+03	1.433441e+03
##	49801	49802	49803	49804	49805
##	2.820525e+03	2.915007e+03	2.947512e+03	2.964120e+03	1.272842e+03
##	49806	49807	49808	49809	49810
##	1.356309e+03	2.685200e+03	2.904136e+03	2.680978e+03	2.699732e+03
##	49811	49812	49813	49814	49815
##	2.699418e+03	2.734909e+03	1.539186e+03	2.268622e+03	3.192086e+03
##	49816	49817	49818	49819	49820
##	2.982804e+03	1.359430e+03	2.655095e+03	2.695123e+03	3.013316e+03
##	49821	49822	49823	49824	49825
##	2.966037e+03	2.956969e+03	2.954194e+03	2.536579e+03	1.985325e+03
##	49826	49827	49828	49829	49830
##	1.990691e+03	2.949697e+03	1.361965e+03	2.840887e+03	2.294734e+03
##	49831	49832	49833	49834	49835

##	2.427220e+03	2.536246e+03	2.123221e+03	2.615879e+03	2.294601e+03
##	49836	49837	49838	49839	49840
##	1.867103e+03	2.796959e+03	2.823383e+03	2.987384e+03	2.127801e+03
##	49841	49842	49843	49844	49845
##	3.166691e+03	2.849640e+03	1.969166e+03	1.588584e+03	1.935216e+03
##	49846	49847	49848	49849	49850
##	1.991084e+03	2.637101e+03	2.795126e+03	2.731129e+03	2.945805e+03
##	49851	49852	49853	49854	49855
##	2.032155e+03	7.345030e+02	1.730716e+03	1.821829e+03	3.266524e+03
##	49856	49857	49858	49859	49860
##	3.164101e+03	3.108899e+03	3.166859e+03	2.042683e+03	2.516690e+03
##	49861	49862	49863	49864	49865
##	3.080509e+03	2.375625e+03	3.042375e+03	1.763949e+03	2.057052e+03
##	49866	49867	49868	49869	49870
##	2.670680e+03	2.308018e+03	8.772294e+02	2.721643e+03	2.775522e+03
##	49871	49872	49873	49874	49875
##	2.918106e+03	2.912871e+03	3.258791e+03	3.321417e+03	2.726937e+03
##	49876	49877	49878	49879	49880
##	1.117141e+03	2.097843e+03	2.025392e+03	1.890022e+03	1.360858e+03
##	49881	49882	49883	49884	49885
##	2.241052e+03	1.909480e+03	1.919218e+03	1.993438e+03	1.724307e+03
##	49886	49887	49888	49889	49890
##	2.888798e+03	2.872922e+03	3.234576e+03	2.991273e+03	2.923146e+03
##	49891	49892	49893	49894	49895
##	2.555026e+03	3.117040e+03	2.384686e+03	2.508293e+03	2.966630e+03
##	49896	49897	49898	49899	49900
##	1.819120e+03	2.680345e+03	1.939568e+03	3.551268e+03	2.548160e+03
##	49901	49902	49903	49904	49905
##	2.999671e+03	1.391992e+03	1.907475e+03	2.182286e+03	2.384187e+03
##	49906	49907	49908	49909	49910
##	2.208963e+03	1.586651e+03	2.210666e+03	2.986025e+03	2.708337e+03
##	49911	49912	49913	49914	49915
##	2.806292e+03	2.932057e+03	2.993283e+03	2.068356e+03	2.435125e+03
##	49916	49917	49918	49919	49920
##	2.964996e+03	2.739404e+03	2.337731e+03	2.657128e+03	2.550880e+03
##	49921	49922	49923	49924	49925
##	2.600787e+03	1.197383e+03	3.019660e+03	2.474030e+03	2.496360e+03
##	49926	49927	49928	49929	49930
##	2.752449e+03	1.167173e+03	2.897738e+03	1.916715e+03	1.924206e+03
##	49931	49932	49933	49934	49935
##	2.012986e+03	2.290914e+03	2.698464e+03	2.623806e+03	2.325667e+03
##	49936	49937	49938	49939	49940
##	2.376424e+03	2.677654e+03	1.789686e+03	2.601517e+03	2.616392e+03
##	49941	49942	49943	49944	49945
##	3.280828e+03	2.277361e+03	2.850687e+03	2.246801e+03	2.668848e+03
##	49946	49947	49948	49949	49950
##	2.859220e+03	3.002770e+03	3.110838e+03	2.835351e+03	3.063717e+03
##	49951	49952	49953	49954	49955
##	-9.556952e+02	-9.895226e+02	-9.104039e+02	-8.620645e+02	-1.027573e+03
##	49956	49957	49958	49959	49960
##	-7.995106e+02	-1.021670e+03	-9.736984e+02	-8.825388e+02	-1.069293e+03
##	49961	49962	49963	49964	49965
##	-9.761371e+02	-1.144607e+03	-1.156757e+03	-1.171867e+03	-1.192437e+03
##	49966	49967	49968	49969	49970

##	-1.133390e+03	8.078365e+01	1.679877e+02	-1.274154e+02	3.245448e+02
##	49971	49972	49973	49974	49975
##	2.012644e+02	3.740685e+02	3.571494e+02	8.534337e+02	8.450871e+02
##	49976	49977	49978	49979	49980
##	8.156407e+02	8.658406e+02	8.481972e+02	2.770608e+01	2.064462e+02
##	49981	49982	49983	49984	49985
##	2.573572e+03	2.832553e+03	3.149742e+03	3.263484e+03	2.189644e+03
##	49986	49987	49988	49989	49990
##	2.088459e+03	2.713792e+03	1.978694e+03	2.871059e+03	1.686720e+03
##	49991	49992	49993	49994	49995
##	2.308003e+03	2.905138e+03	2.982911e+03	2.971723e+03	2.896142e+03
##	49996	49997	49998	49999	50000
##	2.807316e+03	2.233155e+03	2.584415e+03	3.072933e+03	2.727706e+03
##	50001	50002	50003	50004	50005
##	2.847909e+03	1.753156e+03	2.902096e+03	2.405961e+03	2.822338e+03
##	50006	50007	50008	50009	50010
##	1.898623e+03	1.915542e+03	1.665028e+03	2.889453e+03	2.332599e+03
##	50011	50012	50013	50014	50015
##	-7.339746e+02	2.468614e+03	3.219361e+03	2.940186e+03	2.902663e+03
##	50016	50017	50018	50019	50020
##	2.874649e+03	2.910471e+03	2.868708e+03	2.864820e+03	2.845413e+03
##	50021	50022	50023	50024	50025
##	2.880700e+03	2.876734e+03	2.698833e+03	2.540353e+03	2.559018e+03
##	50026	50027	50028	50029	50030
##	3.405259e+03	2.139401e+03	2.741050e+03	2.755727e+03	3.002477e+03
##	50031	50032	50033	50034	50035
##	2.461077e+03	2.842903e+03	1.502010e+03	2.294225e+03	2.976774e+03
##	50036	50037	50038	50039	50040
##	2.949963e+03	2.888930e+03	1.375055e+03	1.918385e+03	2.588981e+03
##	50041	50042	50043	50044	50045
##	9.151584e+02	1.710705e+03	2.642772e+03	1.603820e+03	2.248736e+03
##	50046	50047	50048	50049	50050
##	2.773644e+03	2.923091e+03	2.207374e+03	8.712126e+02	2.589854e+03
##	50051	50052	50053	50054	50055
##	2.952540e+03	2.444416e+03	3.184631e+03	2.704419e+03	2.508590e+03
##	50056	50057	50058	50059	50060
##	3.111020e+03	3.505437e+03	2.295187e+03	2.625741e+03	2.622456e+03
##	50061	50062	50063	50064	50065
##	2.971409e+03	2.629453e+03	2.598279e+03	2.527300e+03	3.119455e+03
##	50066	50067	50068	50069	50070
##	3.121240e+03	2.606352e+03	1.348533e+03	2.178385e+03	3.116958e+03
##	50071	50072	50073	50074	50075
##	2.579317e+03	1.906331e+03	2.218079e+03	2.623805e+03	2.712760e+03
##	50076	50077	50078	50079	50080
##	5.210113e+02	2.649369e+03	2.673023e+03	2.706852e+03	2.706852e+03
##	50081	50082	50083	50084	50085
##	2.563361e+03	2.757477e+03	3.068764e+03	1.918383e+03	2.739911e+03
##	50086	50087	50088	50089	50090
##	2.767120e+03	3.232104e+03	1.309050e+03	2.067820e+03	2.736408e+03
##	50091	50092	50093	50094	50095
##	3.052433e+03	3.057683e+03	2.995762e+03	2.966738e+03	3.278015e+03
##	50096	50097	50098	50099	50100
##	2.161821e+03	2.501620e+03	3.099559e+03	2.185637e+03	2.126108e+03
##	50101	50102	50103	50104	50105

##	2.233041e+03	2.185541e+03	1.961343e+03	1.549486e+03	2.317187e+03
##	50106	50107	50108	50109	50110
##	2.787598e+03	3.033653e+03	2.941394e+03	1.101162e+03	1.771672e+03
##	50111	50112	50113	50114	50115
##	2.599533e+03	2.621717e+03	3.340160e+03	2.793085e+03	2.527100e+03
##	50116	50117	50118	50119	50120
##	2.289529e+03	3.068882e+03	3.114489e+03	2.682017e+03	2.651971e+03
##	50121	50122	50123	50124	50125
##	2.098988e+03	2.714544e+03	2.891118e+03	2.932302e+03	3.553114e+03
##	50126	50127	50128	50129	50130
##	2.663925e+03	2.128205e+03	2.725795e+03	3.200661e+03	2.973887e+03
##	50131	50132	50133	50134	50135
##	2.762885e+03	2.450975e+03	3.186442e+03	3.293605e+03	3.583877e+03
##	50136	50137	50138	50139	50140
##	2.770296e+03	2.164563e+03	1.906851e+03	3.332921e+03	1.983550e+03
##	50141	50142	50143	50144	50145
##	2.180925e+03	3.210363e+03	2.915704e+03	2.412677e+03	2.805391e+03
##	50146	50147	50148	50149	50150
##	2.588219e+03	2.058811e+03	2.561178e+03	1.898843e+03	1.951922e+03
##	50151	50152	50153	50154	50155
##	2.060181e+03	2.690768e+03	1.959266e+03	2.820380e+03	2.109641e+03
##	50156	50157	50158	50159	50160
##	3.008995e+03	2.450117e+03	2.769552e+03	3.131145e+03	3.033115e+03
##	50161	50162	50163	50164	50165
##	2.231547e+03	1.886871e+03	1.706216e+03	2.003508e+03	2.822551e+03
##	50166	50167	50168	50169	50170
##	2.474350e+03	2.948784e+03	1.095374e+03	1.851392e+03	3.175754e+03
##	50171	50172	50173	50174	50175
##	3.036679e+03	2.405830e+03	2.886017e+03	2.833418e+03	-2.433696e+02
##	50176	50177	50178	50179	50180
##	2.882306e+03	2.756376e+03	2.989928e+03	2.003240e+03	3.023338e+03
##	50181	50182	50183	50184	50185
##	1.472920e+03	3.359124e+03	3.141145e+03	2.820252e+03	2.250790e+03
##	50186	50187	50188	50189	50190
##	2.671765e+03	1.684366e+03	1.976483e+03	2.672588e+03	3.311578e+03
##	50191	50192	50193	50194	50195
##	2.218802e+03	2.701304e+03	1.234828e+03	2.027306e+03	9.755192e+02
##	50196	50197	50198	50199	50200
##	2.901537e+03	2.394946e+03	2.183828e+03	2.589011e+03	2.202471e+03
##	50201	50202	50203	50204	50205
##	5.260370e+02	1.998616e+03	3.036551e+03	2.762882e+03	1.701226e+03
##	50206	50207	50208	50209	50210
##	2.841401e+03	2.900877e+03	2.867643e+03	1.681810e+03	2.324627e+03
##	50211	50212	50213	50214	50215
##	2.184199e+03	1.973633e+03	2.709421e+03	2.668848e+03	1.898293e+03
##	50216	50217	50218	50219	50220
##	3.002845e+03	2.850524e+03	2.972523e+03	2.874758e+03	2.866753e+03
##	50221	50222	50223	50224	50225
##	2.794020e+03	2.969829e+03	2.913496e+03	2.920266e+03	2.577590e+03
##	50226	50227	50228	50229	50230
##	2.884905e+03	3.017770e+03	2.976566e+03	1.270330e+03	2.719944e+03
##	50231	50232	50233	50234	50235
##	2.444436e+03	2.397914e+03	1.850529e+03	1.837480e+03	1.833336e+03
##	50236	50237	50238	50239	50240

##	2.223239e+03	2.815554e+03	2.423753e+03	2.436229e+03	2.931168e+03
##	50241	50242	50243	50244	50245
##	3.000813e+03	2.554705e+03	2.526117e+03	1.664832e+03	2.500325e+03
##	50246	50247	50248	50249	50250
##	1.834431e+03	2.211836e+03	2.023595e+03	1.652025e+03	1.963121e+03
##	50251	50252	50253	50254	50255
##	1.461571e+03	1.938753e+03	1.985401e+03	3.225778e+03	2.529081e+03
##	50256	50257	50258	50259	50260
##	3.049988e+03	2.668504e+03	2.237471e+03	2.969304e+03	2.714252e+03
##	50261	50262	50263	50264	50265
##	2.796514e+03	2.741813e+03	2.795048e+03	2.901913e+03	2.029066e+03
##	50266	50267	50268	50269	50270
##	2.043256e+03	2.886608e+03	2.644424e+03	3.095188e+03	1.954626e+03
##	50271	50272	50273	50274	50275
##	3.183728e+03	3.146199e+03	2.896458e+03	2.887639e+03	2.817929e+03
##	50276	50277	50278	50279	50280
##	2.726289e+03	2.931266e+03	2.899399e+03	2.968455e+03	5.477759e+02
##	50281	50282	50283	50284	50285
##	2.313576e+02	3.229548e+01	1.056753e+01	-6.030787e+02	-4.380633e+02
##	50286	50287	50288	50289	50290
##	2.819408e+02	2.743747e+02	-1.928870e+03	5.861736e+02	5.261255e+02
##	50291	50292	50293	50294	50295
##	1.450284e+02	5.962574e+02	6.540212e+02	5.848819e+02	7.021779e+02
##	50296	50297	50298	50299	50300
##	1.239239e+02	8.453691e+02	9.320673e+02	1.021027e+03	-8.254071e+02
##	50301	50302	50303	50304	50305
##	1.004491e+03	1.054392e+03	1.190187e+03	3.568500e+02	-3.589722e+01
##	50306	50307	50308	50309	50310
##	-2.933976e+02	2.400300e+02	2.237552e+01	3.365921e+01	-2.079641e+01
##	50311	50312	50313	50314	50315
##	1.782321e+03	2.906679e+03	2.885413e+03	2.496276e+03	2.185690e+03
##	50316	50317	50318	50319	50320
##	2.101313e+03	3.564975e+02	2.702527e+03	2.527025e+03	2.440075e+03
##	50321	50322	50323	50324	50325
##	2.489755e+03	2.441028e+03	2.349101e+03	2.542057e+03	3.005723e+03
##	50326	50327	50328	50329	50330
##	3.038596e+03	2.959779e+03	2.036959e+03	2.190339e+03	2.988828e+03
##	50331	50332	50333	50334	50335
##	2.566681e+03	9.604514e+02	3.228366e+03	3.381694e+03	3.052169e+03
##	50336	50337	50338	50339	50340
##	3.233595e+03	2.066053e+03	2.644722e+03	3.082700e+03	3.206978e+03
##	50341	50342	50343	50344	50345
##	2.245734e+03	3.225244e+03	3.047742e+03	3.271345e+03	3.689525e+03
##	50346	50347	50348	50349	50350
##	3.132565e+03	3.037634e+03	2.912506e+03	8.712126e+02	2.046864e+03
##	50351	50352	50353	50354	50355
##	1.948034e+03	2.366847e+03	2.250056e+03	2.617162e+03	1.835489e+03
##	50356	50357	50358	50359	50360
##	3.149858e+03	1.768804e+03	2.530630e+03	2.838475e+03	2.748565e+03
##	50361	50362	50363	50364	50365
##	2.022523e+03	2.504103e+03	3.060895e+03	3.092919e+03	3.080989e+03
##	50366	50367	50368	50369	50370
##	1.866301e+03	2.977450e+03	2.487566e+03	2.940372e+03	2.408903e+03
##	50371	50372	50373	50374	50375

##	2.418267e+03	3.311232e+03	2.888338e+03	2.703524e+03	3.440239e+03
##	50376	50377	50378	50379	50380
##	2.954474e+03	2.371484e+03	2.337933e+03	2.070637e+03	2.605190e+03
##	50381	50382	50383	50384	50385
##	3.440636e+03	1.007126e+03	2.899604e+03	2.772444e+03	2.868882e+03
##	50386	50387	50388	50389	50390
##	2.876626e+03	2.957877e+03	2.632566e+03	3.016396e+03	1.885268e+03
##	50391	50392	50393	50394	50395
##	2.128470e+03	1.524042e+03	2.478905e+03	2.631802e+03	2.744438e+03
##	50396	50397	50398	50399	50400
##	3.100794e+03	2.158687e+03	1.930511e+03	2.323521e+03	2.243393e+03
##	50401	50402	50403	50404	50405
##	1.910016e+03	1.906263e+03	3.139118e+03	1.920446e+03	3.160510e+03
##	50406	50407	50408	50409	50410
##	2.250314e+03	1.923034e+03	1.901392e+03	2.111623e+03	1.502563e+03
##	50411	50412	50413	50414	50415
##	1.927556e+03	3.171921e+03	1.762908e+03	3.156137e+03	2.728130e+03
##	50416	50417	50418	50419	50420
##	2.693080e+03	1.396481e+03	2.201819e+03	1.257040e+03	2.873344e+03
##	50421	50422	50423	50424	50425
##	3.066669e+03	3.059016e+03	2.055586e+03	2.693718e+03	2.368508e+03
##	50426	50427	50428	50429	50430
##	1.276721e+03	3.175963e+03	2.963883e+03	1.556896e+03	2.244474e+03
##	50431	50432	50433	50434	50435
##	2.010725e+03	3.054865e+03	2.425718e+03	2.969379e+03	2.813032e+03
##	50436	50437	50438	50439	50440
##	2.194337e+03	1.542958e+03	1.814716e+03	1.989481e+03	1.955273e+03
##	50441	50442	50443	50444	50445
##	2.049058e+03	2.045103e+03	2.091714e+03	3.269357e+03	2.975512e+03
##	50446	50447	50448	50449	50450
##	2.452918e+03	2.468011e+03	2.843433e+03	2.809291e+03	2.816077e+03
##	50451	50452	50453	50454	50455
##	2.876439e+03	3.053978e+03	2.885890e+03	1.940941e+03	1.930813e+03
##	50456	50457	50458	50459	50460
##	2.054830e+03	2.144103e+03	2.744151e+03	2.484206e+03	1.500099e+03
##	50461	50462	50463	50464	50465
##	1.695272e+03	1.882074e+03	2.768946e+03	3.150680e+03	3.226100e+03
##	50466	50467	50468	50469	50470
##	2.443817e+03	2.840789e+03	3.001377e+03	2.230541e+03	2.740990e+03
##	50471	50472	50473	50474	50475
##	2.484126e+03	1.958545e+03	1.922840e+03	3.146126e+03	2.660554e+03
##	50476	50477	50478	50479	50480
##	1.906200e+03	2.710062e+03	2.911566e+03	3.012142e+03	1.445395e+03
##	50481	50482	50483	50484	50485
##	2.122974e+03	3.058123e+03	2.372855e+03	1.780469e+03	1.875807e+03
##	50486	50487	50488	50489	50490
##	1.684125e+03	2.165495e+03	1.771610e+03	2.791445e+03	2.310100e+03
##	50491	50492	50493	50494	50495
##	1.947031e+03	1.712546e+03	1.754762e+03	2.079099e+03	2.783915e+03
##	50496	50497	50498	50499	50500
##	2.459724e+03	2.876307e+03	2.689096e+03	3.012458e+03	2.409589e+03
##	50501	50502	50503	50504	50505
##	1.832124e+03	3.143624e+03	3.084521e+03	2.449462e+03	1.983550e+03
##	50506	50507	50508	50509	50510

##	1.433930e+03	2.936004e+03	3.156354e+03	3.147270e+03	2.377884e+03
##	50511	50512	50513	50514	50515
##	2.386085e+03	2.081032e+03	2.962371e+03	2.524928e+03	2.334284e+03
##	50516	50517	50518	50519	50520
##	2.141670e+03	2.072572e+03	1.977651e+03	1.862698e+03	2.981938e+03
##	50521	50522	50523	50524	50525
##	3.023682e+03	2.587061e+03	1.944816e+03	3.448831e+03	2.733663e+03
##	50526	50527	50528	50529	50530
##	2.679457e+03	3.640028e+03	2.363606e+03	2.346086e+03	2.643257e+03
##	50531	50532	50533	50534	50535
##	2.518227e+03	2.603290e+03	2.698700e+03	2.442946e+03	2.366924e+03
##	50536	50537	50538	50539	50540
##	2.611627e+03	2.485426e+03	2.894865e+03	2.377310e+03	2.854449e+03
##	50541	50542	50543	50544	50545
##	2.918304e+03	2.491312e+03	2.940558e+03	3.072317e+03	2.873185e+03
##	50546	50547	50548	50549	50550
##	1.948383e+03	2.759808e+03	2.791025e+03	2.669070e+03	2.582289e+03
##	50551	50552	50553	50554	50555
##	3.103587e+03	3.086139e+03	2.277946e+03	2.231754e+03	2.743766e+03
##	50556	50557	50558	50559	50560
##	2.787154e+03	1.574202e+03	2.845933e+03	2.125679e+03	2.312865e+03
##	50561	50562	50563	50564	50565
##	2.354508e+03	2.035649e+03	3.118332e+03	1.605357e+03	2.554887e+03
##	50566	50567	50568	50569	50570
##	2.927146e+03	2.916963e+03	2.527261e+03	2.223767e+03	2.498994e+03
##	50571	50572	50573	50574	50575
##	2.997652e+03	2.869739e+03	1.812571e+03	2.167958e+03	1.547422e+03
##	50576	50577	50578	50579	50580
##	2.248832e+03	2.978095e+03	3.076196e+03	3.308539e+03	2.775165e+03
##	50581	50582	50583	50584	50585
##	2.095944e+03	2.853442e+03	9.801814e+02	2.718316e+03	2.050687e+03
##	50586	50587	50588	50589	50590
##	3.146253e+03	2.436273e+03	2.276288e+03	3.036128e+03	3.272262e+03
##	50591	50592	50593	50594	50595
##	1.846344e+03	2.109273e+03	3.187852e+03	2.464027e+03	2.296255e+03
##	50596	50597	50598	50599	50600
##	2.841003e+03	2.805205e+03	2.695010e+03	3.146252e+03	2.122781e+03
##	50601	50602	50603	50604	50605
##	1.816210e+03	3.125977e+03	2.119899e+03	3.260804e+03	2.665690e+03
##	50606	50607	50608	50609	50610
##	2.596659e+03	3.249152e+03	1.242156e+03	2.661451e+03	2.898858e+03
##	50611	50612	50613	50614	50615
##	-3.165500e+02	-5.355513e+00	-2.038362e+02	3.163029e+02	4.161659e+02
##	50616	50617	50618	50619	50620
##	1.163559e+02	6.287911e+02	-1.449757e+03	-1.466651e+03	-2.831685e+01
##	50621	50622	50623	50624	50625
##	3.472094e+02	-4.088306e+02	-4.209981e+02	-9.527176e+02	-9.587175e+02
##	50626	50627	50628	50629	50630
##	-9.564196e+02	-9.750528e+02	-1.226671e+02	2.244701e+02	1.772860e+02
##	50631	50632	50633	50634	50635
##	2.066309e+02	4.752227e+01	1.289931e+02	5.739196e+01	9.743851e+00
##	50636	50637	50638	50639	50640
##	-2.498803e+01	2.793756e+01	-7.476178e+01	2.010207e+01	3.044327e+02
##	50641	50642	50643	50644	50645

##	3.340256e+02	1.081665e+02	-2.845769e+02	1.577369e+02	3.881835e+02
##	50646	50647	50648	50649	50650
##	-9.128185e+01	3.449042e+01	-2.677086e+02	-1.097982e+02	5.796919e+02
##	50651	50652	50653	50654	50655
##	-2.391496e+02	2.756175e+02	6.780285e+01	4.079226e+02	-1.135771e+02
##	50656	50657	50658	50659	50660
##	-2.118896e+02	1.029317e+02	-6.224061e+01	2.152183e+02	4.242180e+02
##	50661	50662	50663	50664	50665
##	3.983767e+02	-2.943449e+02	4.205613e+02	1.000734e+02	-1.186832e+02
##	50666	50667	50668	50669	50670
##	-2.347071e+02	3.712191e+02	3.322015e+01	4.547766e+02	-4.424907e+01
##	50671	50672	50673	50674	50675
##	3.500023e+03	2.125238e+03	2.164262e+03	1.873074e+03	1.796898e+03
##	50676	50677	50678	50679	50680
##	1.817875e+03	2.858646e+03	2.446727e+03	9.584031e+02	2.588185e+03
##	50681	50682	50683	50684	50685
##	2.885626e+03	2.956985e+03	1.806862e+03	2.981327e+03	2.780269e+03
##	50686	50687	50688	50689	50690
##	1.719072e+03	3.131163e+03	3.184826e+03	2.787175e+03	2.661084e+03
##	50691	50692	50693	50694	50695
##	2.092679e+03	2.149870e+03	3.037354e+03	2.041457e+03	2.757721e+03
##	50696	50697	50698	50699	50700
##	2.535218e+03	2.523477e+03	2.841620e+03	2.887570e+03	3.197983e+03
##	50701	50702	50703	50704	50705
##	3.004665e+03	2.790525e+03	2.910210e+03	2.904615e+03	2.109183e+03
##	50706	50707	50708	50709	50710
##	2.046934e+03	2.450947e+03	2.545401e+03	2.138874e+03	3.011346e+03
##	50711	50712	50713	50714	50715
##	2.683848e+03	2.628092e+03	1.771694e+03	3.074250e+03	3.073728e+03
##	50716	50717	50718	50719	50720
##	3.330301e+03	3.007341e+03	8.695408e+02	2.588064e+03	2.389653e+03
##	50721	50722	50723	50724	50725
##	2.072153e+03	2.345774e+03	3.059056e+03	3.100928e+03	3.009304e+03
##	50726	50727	50728	50729	50730
##	2.302710e+03	2.312316e+03	2.277961e+03	2.318271e+03	2.706274e+03
##	50731	50732	50733	50734	50735
##	2.059643e+03	2.005864e+03	2.205313e+03	2.386042e+03	1.591476e+03
##	50736	50737	50738	50739	50740
##	2.162651e+03	2.376265e+03	2.684414e+03	2.247145e+03	2.842635e+03
##	50741	50742	50743	50744	50745
##	3.224685e+03	2.974497e+03	2.774133e+03	2.890978e+03	2.012730e+03
##	50746	50747	50748	50749	50750
##	2.674083e+03	2.823528e+03	2.831549e+03	2.262274e+03	1.999529e+03
##	50751	50752	50753	50754	50755
##	1.999459e+03	3.130222e+03	2.862183e+03	3.478201e+03	2.198231e+03
##	50756	50757	50758	50759	50760
##	1.329058e+03	3.344670e+03	3.344001e+03	2.060289e+03	2.954131e+03
##	50761	50762	50763	50764	50765
##	2.098254e+03	2.185649e+03	2.100896e+03	2.253302e+03	2.337639e+03
##	50766	50767	50768	50769	50770
##	2.523338e+03	2.233174e+03	2.223583e+03	2.330356e+03	1.959303e+03
##	50771	50772	50773	50774	50775
##	2.330493e+03	3.050388e+03	9.901886e+02	1.818137e+03	2.791258e+03
##	50776	50777	50778	50779	50780

##	2.873811e+03	3.037969e+03	3.176088e+03	3.281732e+03	2.965257e+03
##	50781	50782	50783	50784	50785
##	3.152623e+03	2.827231e+03	1.886081e+03	2.528416e+03	2.500375e+03
##	50786	50787	50788	50789	50790
##	2.434180e+03	2.859633e+03	3.116017e+03	2.548753e+03	2.674878e+03
##	50791	50792	50793	50794	50795
##	3.018634e+03	-1.221588e+03	2.107849e+03	2.817910e+03	1.209083e+03
##	50796	50797	50798	50799	50800
##	2.525434e+03	2.682687e+03	2.505386e+03	2.827709e+03	2.070052e+03
##	50801	50802	50803	50804	50805
##	3.311589e+03	2.044313e+03	2.883112e+03	3.169161e+03	2.660910e+03
##	50806	50807	50808	50809	50810
##	2.967574e+03	3.153865e+03	2.751220e+03	2.582055e+03	1.847014e+03
##	50811	50812	50813	50814	50815
##	1.964415e+03	2.571733e+03	1.814520e+03	1.646006e+03	1.904052e+03
##	50816	50817	50818	50819	50820
##	2.579826e+03	2.348103e+03	2.826510e+03	3.191884e+03	3.123800e+03
##	50821	50822	50823	50824	50825
##	3.137437e+03	2.092118e+03	2.275751e+03	2.726756e+03	3.091296e+03
##	50826	50827	50828	50829	50830
##	3.220369e+03	3.355035e+03	2.167300e+03	3.094272e+03	3.032283e+03
##	50831	50832	50833	50834	50835
##	3.097094e+03	2.906334e+03	3.268712e+03	2.761335e+03	2.727268e+03
##	50836	50837	50838	50839	50840
##	2.822338e+03	1.889778e+03	3.341763e+03	2.610199e+03	2.736650e+03
##	50841	50842	50843	50844	50845
##	-6.168137e+01	1.792617e+03	1.941341e+03	1.940085e+03	3.108439e+03
##	50846	50847	50848	50849	50850
##	3.311954e+03	1.644671e+03	2.337626e+03	1.863128e+03	3.007443e+03
##	50851	50852	50853	50854	50855
##	2.017468e+03	2.766396e+03	2.867113e+03	2.878575e+03	2.869411e+03
##	50856	50857	50858	50859	50860
##	2.874792e+03	1.859084e+03	2.606896e+03	2.785404e+03	1.904182e+03
##	50861	50862	50863	50864	50865
##	2.878580e+03	2.878027e+03	2.043160e+03	1.857689e+03	3.232414e+03
##	50866	50867	50868	50869	50870
##	1.934045e+03	2.407922e+03	2.410138e+03	2.374383e+03	2.671744e+03
##	50871	50872	50873	50874	50875
##	2.672951e+03	2.638320e+03	2.209732e+03	2.038626e+03	2.772686e+03
##	50876	50877	50878	50879	50880
##	3.093202e+03	3.397726e+03	2.964668e+03	3.181087e+03	3.089941e+03
##	50881	50882	50883	50884	50885
##	2.386006e+03	2.291531e+03	1.904663e+03	2.159741e+03	2.157698e+03
##	50886	50887	50888	50889	50890
##	2.881311e+03	9.301623e+02	3.312169e+03	2.978688e+03	2.917810e+03
##	50891	50892	50893	50894	50895
##	3.291075e+03	3.279096e+03	2.834619e+03	2.863210e+03	2.254952e+03
##	50896	50897	50898	50899	50900
##	2.887367e+03	2.370912e+03	2.308334e+03	1.424294e+03	2.379245e+03
##	50901	50902	50903	50904	50905
##	2.316338e+03	3.157025e+03	3.056417e+03	2.853978e+03	2.946763e+03
##	50906	50907	50908	50909	50910
##	1.791554e+03	2.106535e+03	2.831647e+03	2.080850e+03	2.325267e+03
##	50911	50912	50913	50914	50915

##	2.951051e+03	3.089507e+03	2.955540e+03	2.975861e+03	2.846939e+03
##	50916	50917	50918	50919	50920
##	3.417129e+03	3.123696e+03	2.930457e+03	2.881977e+03	2.851494e+03
##	50921	50922	50923	50924	50925
##	2.273833e+03	3.472196e+03	2.978117e+03	2.916777e+03	2.875397e+03
##	50926	50927	50928	50929	50930
##	3.371845e+03	3.289576e+03	1.933523e+03	1.843054e+03	1.971320e+03
##	50931	50932	50933	50934	50935
##	1.933568e+03	1.950934e+03	1.915970e+03	2.077897e+03	2.534133e+03
##	50936	50937	50938	50939	50940
##	2.581741e+03	2.735370e+03	2.686073e+03	3.409988e+03	2.766646e+03
##	50941	50942	50943	50944	50945
##	2.586377e+03	2.167772e+03	3.114774e+03	3.030309e+03	2.518707e+03
##	50946	50947	50948	50949	50950
##	3.226330e+03	2.722584e+03	3.327654e+03	3.341226e+03	2.619955e+03
##	50951	50952	50953	50954	50955
##	2.258127e+03	2.039520e+03	3.484085e+03	-1.476495e+03	3.195012e+03
##	50956	50957	50958	50959	50960
##	3.233344e+03	3.100486e+03	2.729373e+03	4.226914e+03	2.720121e+03
##	50961	50962	50963	50964	50965
##	3.220660e+03	3.105474e+03	2.070973e+03	3.210510e+03	3.494715e+03
##	50966	50967	50968	50969	50970
##	3.078846e+03	1.875705e+03	2.591933e+03	1.972359e+03	2.441622e+03
##	50971	50972	50973	50974	50975
##	7.358214e+01	-2.854081e+02	2.284111e+01	-2.464575e+02	-7.193536e+00
##	50976	50977	50978	50979	50980
##	2.079080e+02	-5.604865e+01	3.103280e+02	2.717300e+02	3.341258e+02
##	50981	50982	50983	50984	50985
##	2.239021e+02	-1.862468e+02	-2.425426e+02	3.013331e+02	-2.331951e+02
##	50986	50987	50988	50989	50990
##	2.079104e+02	9.927686e+00	3.428469e+02	2.848726e+02	4.064677e+02
##	50991	50992	50993	50994	50995
##	-2.554903e+02	1.104468e+01	-1.010381e+02	-1.090775e+02	2.849416e+02
##	50996	50997	50998	50999	51000
##	2.420648e+02	3.230157e+02	-6.195398e+01	-5.236440e+00	3.588999e+02
##	51001	51002	51003	51004	51005
##	3.070880e+03	3.137572e+03	3.152406e+03	2.378831e+03	1.962338e+03
##	51006	51007	51008	51009	51010
##	3.434343e+03	1.266966e+03	3.445819e+03	2.601149e+03	2.681475e+03
##	51011	51012	51013	51014	51015
##	2.694098e+03	1.676891e+03	2.130261e+03	2.959302e+03	2.641972e+03
##	51016	51017	51018	51019	51020
##	2.454493e+03	2.786994e+03	2.631751e+03	2.321209e+03	1.005317e+03
##	51021	51022	51023	51024	51025
##	2.735816e+03	2.727047e+03	2.288528e+03	2.289841e+03	2.481770e+03
##	51026	51027	51028	51029	51030
##	2.342457e+03	1.609474e+03	2.127255e+03	3.307623e+03	3.086544e+03
##	51031	51032	51033	51034	51035
##	3.083085e+03	3.547987e+03	2.653144e+03	2.545198e+03	1.612463e+03
##	51036	51037	51038	51039	51040
##	2.389996e+03	3.069347e+03	2.581135e+03	2.167037e+03	2.752727e+03
##	51041	51042	51043	51044	51045
##	3.074409e+03	2.795652e+03	2.547104e+03	2.519895e+03	2.733326e+03
##	51046	51047	51048	51049	51050

##	2.884898e+03	2.812732e+03	2.460510e+03	1.927545e+03	2.519646e+03
##	51051	51052	51053	51054	51055
##	3.364805e+03	2.822036e+03	3.241806e+03	2.165393e+03	2.098152e+03
##	51056	51057	51058	51059	51060
##	2.136615e+03	2.133715e+03	2.120858e+03	1.972351e+03	3.162654e+03
##	51061	51062	51063	51064	51065
##	2.845385e+03	2.565571e+03	2.689603e+03	3.222110e+03	2.943378e+03
##	51066	51067	51068	51069	51070
##	2.045092e+03	2.070861e+03	2.114032e+03	3.170609e+03	2.224956e+03
##	51071	51072	51073	51074	51075
##	3.011325e+03	3.025698e+03	2.849658e+03	1.541422e+02	2.948850e+03
##	51076	51077	51078	51079	51080
##	3.042386e+03	2.883020e+03	2.854493e+03	2.988638e+03	1.548321e+03
##	51081	51082	51083	51084	51085
##	2.409403e+03	3.003003e+03	2.798910e+03	2.549507e+03	3.001372e+03
##	51086	51087	51088	51089	51090
##	3.232557e+03	3.059894e+03	2.361954e+03	2.835614e+03	2.029031e+03
##	51091	51092	51093	51094	51095
##	2.209547e+03	2.705651e+03	2.838256e+03	3.075198e+03	2.863687e+03
##	51096	51097	51098	51099	51100
##	2.067184e+03	3.176098e+03	1.942436e+03	1.902957e+03	2.415177e+03
##	51101	51102	51103	51104	51105
##	2.802056e+03	1.335496e+03	1.382774e+03	2.448899e+03	2.507294e+03
##	51106	51107	51108	51109	51110
##	2.381030e+03	3.050850e+03	2.172689e+03	2.613210e+03	2.280386e+03
##	51111	51112	51113	51114	51115
##	2.659744e+03	2.630438e+03	2.096626e+03	2.582713e+03	2.381350e+03
##	51116	51117	51118	51119	51120
##	3.194615e+03	2.795207e+03	3.344650e+03	2.419520e+03	3.242122e+03
##	51121	51122	51123	51124	51125
##	3.198567e+03	1.328525e+03	2.875277e+03	3.090920e+03	2.344762e+03
##	51126	51127	51128	51129	51130
##	3.310722e+03	3.098920e+03	1.151281e+03	3.299966e+03	2.194112e+03
##	51131	51132	51133	51134	51135
##	3.334389e+03	2.218472e+03	2.627871e+03	2.764764e+03	2.062891e+03
##	51136	51137	51138	51139	51140
##	3.395671e+03	2.775394e+03	2.222480e+03	2.666412e+03	-3.850351e+01
##	51141	51142	51143	51144	51145
##	2.811275e+03	9.246257e+02	1.971129e+03	2.931427e+03	2.899100e+03
##	51146	51147	51148	51149	51150
##	1.857753e+03	2.941920e+03	1.998805e+03	1.990039e+03	2.002309e+03
##	51151	51152	51153	51154	51155
##	1.717980e+03	2.192877e+03	4.853222e+02	2.189394e+03	2.888773e+03
##	51156	51157	51158	51159	51160
##	3.271449e+03	2.915024e+03	2.151298e+03	1.790593e+03	2.945745e+03
##	51161	51162	51163	51164	51165
##	2.224157e+03	2.850879e+03	3.339742e+03	3.003091e+03	2.839438e+03
##	51166	51167	51168	51169	51170
##	2.215417e+03	2.963550e+03	2.001843e+03	3.125300e+03	1.845163e+03
##	51171	51172	51173	51174	51175
##	2.713790e+03	2.678496e+03	3.142398e+03	2.064166e+03	2.143905e+03
##	51176	51177	51178	51179	51180
##	3.055348e+03	3.166449e+03	3.312088e+03	2.435046e+03	3.204222e+03
##	51181	51182	51183	51184	51185

##	3.726256e+03	2.698144e+03	2.514157e+03	1.888125e+03	2.363257e+03
##	51186	51187	51188	51189	51190
##	2.128410e+03	1.928232e+03	2.820166e+03	2.964476e+03	2.798846e+03
##	51191	51192	51193	51194	51195
##	3.393671e+03	2.974202e+03	2.955775e+03	2.935223e+03	2.606706e+03
##	51196	51197	51198	51199	51200
##	3.295549e+03	3.021438e+03	3.148057e+03	3.122244e+03	2.390952e+03
##	51201	51202	51203	51204	51205
##	2.447454e+03	1.977935e+03	1.946202e+03	2.516568e+03	2.479180e+03
##	51206	51207	51208	51209	51210
##	3.043881e+03	2.845722e+03	2.215724e+03	3.239102e+03	1.938984e+03
##	51211	51212	51213	51214	51215
##	2.244454e+03	2.846175e+03	2.916599e+03	2.763454e+03	2.631562e+03
##	51216	51217	51218	51219	51220
##	2.738918e+03	2.637243e+03	2.830090e+03	2.952902e+03	2.333734e+03
##	51221	51222	51223	51224	51225
##	2.947995e+03	2.781321e+03	2.158903e+03	2.361970e+03	2.559530e+03
##	51226	51227	51228	51229	51230
##	1.695785e+03	2.671166e+03	2.151385e+03	2.424330e+03	2.686012e+03
##	51231	51232	51233	51234	51235
##	2.525569e+03	2.820280e+03	2.710308e+03	2.728989e+03	3.254379e+03
##	51236	51237	51238	51239	51240
##	2.832808e+03	3.113882e+03	3.121241e+03	3.118208e+03	3.117389e+03
##	51241	51242	51243	51244	51245
##	2.812662e+03	2.213580e+03	2.877269e+03	2.450473e+03	2.124949e+03
##	51246	51247	51248	51249	51250
##	2.829301e+03	2.134576e+03	2.165652e+03	3.161208e+03	2.117522e+03
##	51251	51252	51253	51254	51255
##	2.223539e+03	2.039504e+03	2.216604e+03	2.672126e+03	3.180095e+03
##	51256	51257	51258	51259	51260
##	2.950657e+03	3.034912e+03	3.050685e+03	-3.890892e+02	2.793521e+03
##	51261	51262	51263	51264	51265
##	2.699631e+03	2.877238e+03	3.153505e+03	5.172398e+02	2.862963e+03
##	51266	51267	51268	51269	51270
##	2.769127e+03	2.316015e+03	1.520560e+03	1.405211e+03	2.445997e+03
##	51271	51272	51273	51274	51275
##	2.272834e+03	2.338541e+03	2.851020e+03	3.092200e+03	2.196815e+03
##	51276	51277	51278	51279	51280
##	2.504025e+03	2.500419e+03	2.683952e+03	2.949600e+03	2.502709e+03
##	51281	51282	51283	51284	51285
##	2.210973e+03	3.133846e+03	2.629113e+03	2.460406e+03	3.231944e+03
##	51286	51287	51288	51289	51290
##	3.157852e+03	3.082680e+03	1.416944e+03	2.977166e+03	2.653836e+03
##	51291	51292	51293	51294	51295
##	3.161083e+03	3.373117e+03	3.566804e+03	2.841447e+03	2.442206e+03
##	51296	51297	51298	51299	51300
##	3.145374e+03	3.312967e+03	1.934583e+03	3.474702e+03	3.310107e+03
##	51301	51302	51303	51304	51305
##	3.580527e+02	1.185710e+00	3.718763e+01	-2.611358e+02	-6.120583e+01
##	51306	51307	51308	51309	51310
##	2.115217e+02	2.913240e+02	3.395691e+02	-1.296973e+02	-2.428516e+02
##	51311	51312	51313	51314	51315
##	-8.337481e+01	4.362458e+02	4.160110e+02	1.447422e+02	1.907384e+02
##	51316	51317	51318	51319	51320

##	4.258297e+02	8.942280e+01	2.200379e+02	2.776337e+02	-9.883360e+01
##	51321	51322	51323	51324	51325
##	5.229780e+01	9.653481e+01	-2.506988e+02	2.806783e+02	2.534898e+02
##	51326	51327	51328	51329	51330
##	-2.258872e+02	1.842564e+02	2.234552e+02	-3.610229e+01	-1.112792e+02
##	51331	51332	51333	51334	51335
##	3.498534e+03	3.451018e+03	3.493056e+03	3.558998e+03	3.496236e+03
##	51336	51337	51338	51339	51340
##	2.307528e+03	3.138925e+03	3.053533e+03	3.090972e+03	3.531880e+03
##	51341	51342	51343	51344	51345
##	1.806347e+03	2.124473e+03	2.398149e+03	2.429390e+03	2.917518e+03
##	51346	51347	51348	51349	51350
##	2.843853e+03	4.317263e+02	2.411183e+03	2.491520e+03	2.764542e+03
##	51351	51352	51353	51354	51355
##	2.546516e+03	2.029544e+03	2.747351e+03	2.988941e+03	2.142210e+03
##	51356	51357	51358	51359	51360
##	3.117112e+03	2.244703e+03	3.091850e+03	1.656996e+03	2.131794e+03
##	51361	51362	51363	51364	51365
##	2.384219e+03	1.924755e+03	2.680577e+03	2.741078e+03	2.493491e+03
##	51366	51367	51368	51369	51370
##	2.146704e+03	2.157095e+03	2.139116e+03	2.484839e+03	1.381236e+03
##	51371	51372	51373	51374	51375
##	3.135237e+03	2.168587e+03	2.962906e+03	3.219692e+03	2.785983e+03
##	51376	51377	51378	51379	51380
##	2.909591e+03	3.166274e+03	3.087555e+03	1.975261e+03	3.050333e+03
##	51381	51382	51383	51384	51385
##	3.123467e+03	3.002852e+03	2.884053e+03	2.684320e+03	2.047070e+03
##	51386	51387	51388	51389	51390
##	2.735024e+03	2.329636e+03	2.349522e+03	2.916501e+03	2.896222e+03
##	51391	51392	51393	51394	51395
##	2.568850e+03	2.794652e+03	3.623168e+03	3.431808e+03	2.264381e+03
##	51396	51397	51398	51399	51400
##	2.741487e+03	2.530491e+03	2.735120e+03	3.099746e+03	3.424707e+03
##	51401	51402	51403	51404	51405
##	3.438278e+03	2.768380e+03	2.973127e+03	2.646618e+03	2.946880e+03
##	51406	51407	51408	51409	51410
##	2.972440e+03	-3.197903e+02	2.755841e+03	2.168126e+03	1.958145e+03
##	51411	51412	51413	51414	51415
##	2.818576e+03	2.894686e+03	2.757871e+03	2.903987e+03	2.363650e+03
##	51416	51417	51418	51419	51420
##	2.774916e+03	3.466506e+03	3.255015e+03	1.531893e+03	3.061322e+03
##	51421	51422	51423	51424	51425
##	3.287308e+03	2.373229e+03	3.248224e+03	2.781545e+03	2.341481e+03
##	51426	51427	51428	51429	51430
##	2.907371e+03	3.201017e+03	3.092949e+03	2.934062e+03	3.294274e+03
##	51431	51432	51433	51434	51435
##	2.297223e+03	1.850642e+03	2.407085e+03	1.231019e+03	2.930457e+03
##	51436	51437	51438	51439	51440
##	3.112350e+03	2.687149e+03	3.006211e+03	1.869553e+03	2.254910e+03
##	51441	51442	51443	51444	51445
##	2.553625e+03	2.268193e+03	2.981703e+03	2.636172e+03	2.900383e+03
##	51446	51447	51448	51449	51450
##	1.397562e+03	3.314784e+03	2.080037e+03	2.863794e+03	2.201850e+03
##	51451	51452	51453	51454	51455

##	2.157625e+03	2.207986e+03	2.082526e+03	2.813665e+03	2.980750e+03
##	51456	51457	51458	51459	51460
##	1.435004e+03	2.078042e+03	1.913997e+03	1.910016e+03	2.076807e+03
##	51461	51462	51463	51464	51465
##	1.885860e+03	2.000063e+03	1.676556e+03	1.759129e+03	2.672970e+03
##	51466	51467	51468	51469	51470
##	2.372700e+03	2.652606e+03	2.063817e+03	2.083446e+03	2.067318e+03
##	51471	51472	51473	51474	51475
##	2.666389e+03	2.757084e+03	2.361719e+03	2.478357e+03	2.952276e+03
##	51476	51477	51478	51479	51480
##	2.314764e+03	2.808767e+03	2.242648e+03	2.825163e+03	2.011936e+03
##	51481	51482	51483	51484	51485
##	2.426166e+03	2.174300e+03	3.374424e+03	3.305182e+03	3.283355e+03
##	51486	51487	51488	51489	51490
##	3.111463e+03	3.241931e+03	3.887503e+03	2.998230e+03	3.181811e+03
##	51491	51492	51493	51494	51495
##	2.888512e+03	2.852098e+03	2.883289e+03	2.993232e+03	3.564926e+03
##	51496	51497	51498	51499	51500
##	2.920902e+03	2.776825e+03	2.853621e+03	3.331833e+03	2.857523e+03
##	51501	51502	51503	51504	51505
##	2.400803e+03	3.013207e+03	2.068066e+03	3.520880e+03	2.399305e+03
##	51506	51507	51508	51509	51510
##	3.547780e+03	2.955198e+03	2.208080e+03	3.249901e+03	2.212290e+03
##	51511	51512	51513	51514	51515
##	2.257279e+03	2.180085e+03	2.329968e+03	2.765120e+03	2.287776e+03
##	51516	51517	51518	51519	51520
##	2.561048e+03	2.641499e+03	3.120144e+03	2.920994e+03	2.781914e+03
##	51521	51522	51523	51524	51525
##	3.226166e+03	3.074947e+03	2.958405e+03	2.921838e+03	3.157493e+03
##	51526	51527	51528	51529	51530
##	2.957573e+03	2.660880e+03	3.012903e+03	3.180469e+03	2.730899e+03
##	51531	51532	51533	51534	51535
##	3.063401e+03	2.793799e+03	2.817751e+03	2.656049e+03	3.120851e+03
##	51536	51537	51538	51539	51540
##	1.777386e+03	2.111176e+03	2.725458e+03	2.820739e+03	2.740704e+03
##	51541	51542	51543	51544	51545
##	2.837424e+03	2.958807e+03	2.817372e+03	2.017049e+03	2.044020e+03
##	51546	51547	51548	51549	51550
##	3.225813e+03	3.218505e+03	2.335679e+03	2.811886e+03	2.659691e+03
##	51551	51552	51553	51554	51555
##	1.933633e+03	2.971428e+03	3.528310e+03	1.866963e+03	2.788948e+03
##	51556	51557	51558	51559	51560
##	2.064370e+03	2.180106e+03	2.907207e+03	1.934546e+03	2.729440e+03
##	51561	51562	51563	51564	51565
##	3.023211e+03	3.087830e+03	3.392652e+03	2.285599e+03	3.188156e+03
##	51566	51567	51568	51569	51570
##	3.008650e+03	2.461460e+03	1.721415e+03	2.453733e+03	2.430292e+03
##	51571	51572	51573	51574	51575
##	2.000822e+03	1.902190e+03	2.672367e+03	2.251787e+03	3.143819e+03
##	51576	51577	51578	51579	51580
##	2.269082e+03	2.681156e+03	2.781877e+03	3.364988e+03	3.427929e+03
##	51581	51582	51583	51584	51585
##	8.530811e+01	2.437091e+03	2.465145e+03	3.325932e+03	3.211149e+03
##	51586	51587	51588	51589	51590

##	2.853972e+03	2.098635e+03	2.404002e+03	2.222779e+03	1.511535e+03
##	51591	51592	51593	51594	51595
##	2.798219e+03	2.381350e+03	3.102493e+03	2.910863e+03	3.390274e+03
##	51596	51597	51598	51599	51600
##	2.646032e+03	2.747443e+03	2.781780e+03	2.852896e+03	3.265092e+03
##	51601	51602	51603	51604	51605
##	2.537123e+03	2.853873e+03	2.909418e+03	2.005350e+03	2.614365e+03
##	51606	51607	51608	51609	51610
##	2.587010e+03	1.147660e+03	2.342383e+03	2.894209e+03	3.372581e+03
##	51611	51612	51613	51614	51615
##	2.970886e+03	1.991633e+03	2.202866e+03	2.282278e+03	3.180491e+03
##	51616	51617	51618	51619	51620
##	2.804337e+03	3.279749e+03	2.147192e+03	2.688610e+03	2.882075e+03
##	51621	51622	51623	51624	51625
##	2.650651e+03	2.804113e+03	1.215487e+03	2.893922e+03	1.762582e+02
##	51626	51627	51628	51629	51630
##	1.912242e+03	1.799158e+03	2.981272e+03	2.861857e+03	1.959965e+03
##	51631	51632	51633	51634	51635
##	4.301612e+01	-2.324600e+02	-6.785794e+01	8.747482e+00	9.578697e+00
##	51636	51637	51638	51639	51640
##	3.904759e+02	1.535168e+02	-1.238918e+02	4.124676e+02	3.870225e+02
##	51641	51642	51643	51644	51645
##	4.022264e+02	4.686625e+01	3.317956e+02	-2.532042e+02	2.622149e+02
##	51646	51647	51648	51649	51650
##	7.357088e+01	7.120077e+02	7.558270e+02	6.888549e+02	7.311114e+02
##	51651	51652	51653	51654	51655
##	-1.992983e+01	7.319886e+02	7.817623e+02	7.637817e+02	3.347833e+02
##	51656	51657	51658	51659	51660
##	3.381676e+02	2.816679e+02	3.352968e+02	3.409931e+02	3.174441e+02
##	51661	51662	51663	51664	51665
##	1.962805e+03	2.865029e+03	2.971637e+03	2.939671e+03	2.619827e+03
##	51666	51667	51668	51669	51670
##	3.253309e+03	2.921213e+03	2.715778e+03	2.678486e+03	2.037206e+03
##	51671	51672	51673	51674	51675
##	2.289272e+03	2.279241e+03	2.104121e+03	2.180440e+03	3.670325e+03
##	51676	51677	51678	51679	51680
##	2.272150e+03	3.123157e+03	2.338670e+03	2.490656e+03	2.043228e+03
##	51681	51682	51683	51684	51685
##	2.359333e+03	2.074786e+03	2.050653e+03	9.426551e+02	2.010026e+03
##	51686	51687	51688	51689	51690
##	2.992888e+03	2.378407e+03	3.258558e+03	3.257646e+03	2.937381e+03
##	51691	51692	51693	51694	51695
##	3.317367e+03	3.063810e+03	2.494755e+03	2.255612e+03	3.017287e+03
##	51696	51697	51698	51699	51700
##	3.034107e+03	3.459889e+03	3.509524e+03	3.111026e+03	3.463870e+03
##	51701	51702	51703	51704	51705
##	3.432896e+03	3.458438e+03	3.449673e+03	3.438278e+03	3.509900e+03
##	51706	51707	51708	51709	51710
##	3.564785e+03	3.448679e+03	2.813395e+03	1.701187e+03	2.539052e+03
##	51711	51712	51713	51714	51715
##	2.824615e+03	2.898892e+03	2.369591e+03	2.087998e+03	2.818521e+03
##	51716	51717	51718	51719	51720
##	2.863294e+03	2.507260e+03	2.719417e+03	2.828545e+03	2.605868e+03
##	51721	51722	51723	51724	51725

##	3.611119e+03	2.610621e+03	3.011260e+03	2.901590e+03	2.373998e+03
##	51726	51727	51728	51729	51730
##	2.848497e+03	2.704390e+03	2.329186e+03	1.653058e+03	3.252819e+03
##	51731	51732	51733	51734	51735
##	2.552280e+03	2.180496e+03	3.136887e+03	3.254289e+03	3.073796e+03
##	51736	51737	51738	51739	51740
##	2.896062e+03	3.225092e+03	3.448127e+03	3.206433e+03	2.973724e+03
##	51741	51742	51743	51744	51745
##	2.499572e+03	3.795285e+03	2.947671e+03	2.987361e+03	3.212439e+03
##	51746	51747	51748	51749	51750
##	2.974978e+03	1.821930e+03	3.103412e+03	2.598146e+03	1.873071e+03
##	51751	51752	51753	51754	51755
##	2.714018e+03	2.144832e+03	1.794082e+03	3.357823e+03	3.467443e+03
##	51756	51757	51758	51759	51760
##	3.452130e+03	3.294020e+03	2.953055e+03	3.160016e+03	3.055820e+03
##	51761	51762	51763	51764	51765
##	2.861339e+03	3.138108e+03	3.013341e+03	2.630344e+03	2.878458e+03
##	51766	51767	51768	51769	51770
##	2.909243e+03	3.166491e+03	2.989031e+03	3.022078e+03	2.791292e+03
##	51771	51772	51773	51774	51775
##	2.180865e+03	2.087568e+03	2.049004e+03	2.149454e+03	1.527501e+03
##	51776	51777	51778	51779	51780
##	2.408734e+03	2.999063e+03	2.013290e+03	3.563291e+03	1.670521e+03
##	51781	51782	51783	51784	51785
##	2.527062e+03	3.253042e+03	3.163782e+03	2.409195e+03	2.820251e+03
##	51786	51787	51788	51789	51790
##	3.043206e+03	2.856206e+03	3.214578e+03	2.266558e+03	2.727086e+03
##	51791	51792	51793	51794	51795
##	2.898275e+03	2.938855e+03	3.204019e+03	2.796346e+03	2.987936e+03
##	51796	51797	51798	51799	51800
##	3.440343e+03	3.334950e+03	3.759734e+03	2.648993e+03	2.630438e+03
##	51801	51802	51803	51804	51805
##	2.833516e+03	2.663797e+03	2.793543e+03	2.286309e+03	2.724313e+03
##	51806	51807	51808	51809	51810
##	3.133523e+03	2.999240e+03	3.472674e+03	3.183676e+03	2.404879e+03
##	51811	51812	51813	51814	51815
##	2.443337e+03	3.110618e+03	8.672173e+02	1.807076e+03	1.727556e+03
##	51816	51817	51818	51819	51820
##	2.886993e+03	3.083766e+03	3.101918e+03	3.044069e+03	2.685143e+03
##	51821	51822	51823	51824	51825
##	3.307421e+03	2.833798e+03	3.057686e+03	2.998084e+03	2.001979e+03
##	51826	51827	51828	51829	51830
##	3.475401e+03	3.012454e+03	3.100890e+03	2.948108e+03	2.054425e+03
##	51831	51832	51833	51834	51835
##	2.938349e+03	2.863823e+03	3.483557e+03	3.125853e+03	2.228908e+03
##	51836	51837	51838	51839	51840
##	2.208719e+03	2.236999e+03	3.680027e+03	3.060132e+03	1.381939e+03
##	51841	51842	51843	51844	51845
##	3.080158e+03	2.033726e+03	2.074122e+03	2.161709e+03	2.900221e+03
##	51846	51847	51848	51849	51850
##	2.575332e+03	2.802989e+03	2.787830e+03	2.970545e+03	2.837583e+03
##	51851	51852	51853	51854	51855
##	2.828140e+03	2.790349e+03	2.333284e+03	2.199586e+03	2.847240e+03
##	51856	51857	51858	51859	51860

##	2.755682e+03	2.439788e+03	3.018389e+03	1.438586e+03	2.445069e+03
##	51861	51862	51863	51864	51865
##	2.789305e+03	3.012434e+03	2.468409e+03	2.528382e+03	3.090237e+03
##	51866	51867	51868	51869	51870
##	3.056907e+03	2.662146e+03	2.506423e+03	2.334755e+03	2.937877e+03
##	51871	51872	51873	51874	51875
##	3.109193e+03	3.115787e+03	3.267023e+03	3.226431e+03	3.153356e+03
##	51876	51877	51878	51879	51880
##	2.868440e+03	3.026427e+03	2.576879e+03	2.770788e+03	2.841150e+03
##	51881	51882	51883	51884	51885
##	2.533486e+03	2.694587e+03	3.227986e+03	2.598155e+03	2.644483e+03
##	51886	51887	51888	51889	51890
##	3.204283e+03	2.827338e+03	2.317486e+03	3.027514e+03	2.612617e+03
##	51891	51892	51893	51894	51895
##	2.884298e+03	2.914034e+03	2.915721e+03	3.194863e+03	2.416697e+03
##	51896	51897	51898	51899	51900
##	2.362436e+03	2.727704e+03	2.862976e+03	2.614801e+03	2.741125e+03
##	51901	51902	51903	51904	51905
##	3.329592e+03	3.561434e+03	3.012854e+03	2.960538e+03	2.910864e+03
##	51906	51907	51908	51909	51910
##	2.347241e+03	2.413193e+03	1.815242e+03	2.418659e+03	3.154668e+03
##	51911	51912	51913	51914	51915
##	3.250123e+03	2.864968e+03	2.142128e+03	2.913751e+03	2.927770e+03
##	51916	51917	51918	51919	51920
##	2.050717e+03	1.805966e+03	3.300354e+03	3.564869e+03	3.442102e+03
##	51921	51922	51923	51924	51925
##	3.496875e+03	3.653557e+03	3.589169e+03	2.373467e+03	2.851826e+03
##	51926	51927	51928	51929	51930
##	1.771584e+03	3.251031e+03	2.697492e+03	2.904044e+03	2.678906e+03
##	51931	51932	51933	51934	51935
##	3.076816e+03	3.232692e+03	3.093295e+03	3.617976e+03	3.198184e+03
##	51936	51937	51938	51939	51940
##	3.214104e+03	3.195568e+03	3.250779e+03	2.721549e+03	2.692564e+03
##	51941	51942	51943	51944	51945
##	3.261063e+03	3.564926e+03	3.655916e+03	2.884724e+03	3.200237e+03
##	51946	51947	51948	51949	51950
##	3.445009e+03	3.000256e+03	3.014968e+03	2.492609e+03	2.848506e+03
##	51951	51952	51953	51954	51955
##	1.970223e+03	3.113242e+03	3.110063e+03	3.487477e+03	3.299367e+03
##	51956	51957	51958	51959	51960
##	2.830771e+03	3.163725e+03	2.554296e+03	3.288278e+03	3.311673e+03
##	51961	51962	51963	51964	51965
##	2.721075e+02	3.129562e+02	1.289865e+02	1.400418e+02	7.968963e+01
##	51966	51967	51968	51969	51970
##	1.070910e+02	1.057322e+02	-2.414926e+02	6.786993e+02	6.441368e+02
##	51971	51972	51973	51974	51975
##	-3.666143e+02	8.796111e+01	8.409671e+02	7.603155e+02	8.544705e+02
##	51976	51977	51978	51979	51980
##	9.056153e+02	8.769755e+02	1.253011e+03	-5.948940e+02	6.363950e+01
##	51981	51982	51983	51984	51985
##	1.858904e+02	4.068013e+02	-1.509823e+03	7.539134e+02	7.736807e+02
##	51986	51987	51988	51989	51990
##	7.898799e+02	8.490164e+02	8.123637e+02	8.204238e+02	7.719407e+02
##	51991	51992	51993	51994	51995

##	3.321898e+03	1.754766e+03	3.233281e+03	2.998659e+03	3.396392e+03
##	51996	51997	51998	51999	52000
##	3.357883e+03	2.426978e+03	3.413140e+03	3.381373e+03	2.579578e+03
##	52001	52002	52003	52004	52005
##	3.219163e+03	2.939658e+03	2.627293e+03	2.848746e+03	2.857109e+03
##	52006	52007	52008	52009	52010
##	2.912070e+03	3.344642e+03	3.076401e+03	1.923094e+03	3.596324e+03
##	52011	52012	52013	52014	52015
##	2.384110e+03	2.914731e+03	2.983488e+03	3.174267e+03	2.778902e+03
##	52016	52017	52018	52019	52020
##	3.190171e+03	2.914741e+03	2.676790e+03	2.053000e+03	3.300667e+03
##	52021	52022	52023	52024	52025
##	2.876379e+03	3.746138e+03	3.263185e+03	3.302090e+03	3.262788e+03
##	52026	52027	52028	52029	52030
##	2.986319e+03	2.349962e+03	2.936959e+03	2.803638e+03	3.029282e+03
##	52031	52032	52033	52034	52035
##	2.698704e+03	1.996201e+03	2.810614e+03	2.944220e+03	2.965355e+03
##	52036	52037	52038	52039	52040
##	3.444450e+03	3.531433e+03	2.636639e+03	3.177998e+03	3.065283e+03
##	52041	52042	52043	52044	52045
##	2.730073e+03	2.031756e+03	3.027089e+03	3.102727e+03	2.473607e+03
##	52046	52047	52048	52049	52050
##	2.830417e+03	3.353071e+03	2.606357e+03	2.522530e+03	2.019420e+03
##	52051	52052	52053	52054	52055
##	2.926306e+03	2.565220e+03	3.221293e+03	3.292397e+03	2.329170e+03
##	52056	52057	52058	52059	52060
##	2.095308e+03	2.997611e+03	3.181393e+03	2.884559e+03	2.003505e+03
##	52061	52062	52063	52064	52065
##	2.127319e+03	2.257402e+03	1.832236e+03	1.905278e+03	2.681718e+03
##	52066	52067	52068	52069	52070
##	3.028513e+03	2.578369e+03	3.347114e+03	2.966337e+03	2.548961e+03
##	52071	52072	52073	52074	52075
##	2.915151e+03	3.079042e+03	2.471314e+03	2.292274e+03	3.394825e+03
##	52076	52077	52078	52079	52080
##	3.038061e+03	3.061994e+03	3.192565e+03	2.749057e+03	2.964060e+03
##	52081	52082	52083	52084	52085
##	2.208740e+03	2.179521e+03	3.019836e+03	2.500990e+03	2.763784e+03
##	52086	52087	52088	52089	52090
##	2.698453e+03	2.367766e+03	2.946679e+03	2.170753e+03	2.412552e+03
##	52091	52092	52093	52094	52095
##	2.918577e+03	2.217909e+03	1.842651e+03	2.411265e+03	2.673785e+03
##	52096	52097	52098	52099	52100
##	2.950765e+03	2.753138e+03	3.456299e+03	3.603132e+03	2.733819e+03
##	52101	52102	52103	52104	52105
##	2.668556e+03	2.921918e+03	3.029994e+03	2.815205e+03	2.741833e+03
##	52106	52107	52108	52109	52110
##	2.769126e+03	2.791898e+03	2.804717e+03	3.188899e+03	2.071459e+03
##	52111	52112	52113	52114	52115
##	3.808196e+03	3.479110e+03	3.430106e+03	3.057568e+03	2.957237e+03
##	52116	52117	52118	52119	52120
##	3.120139e+03	3.222029e+03	3.158749e+03	3.240806e+03	3.159522e+03
##	52121	52122	52123	52124	52125
##	2.854188e+03	1.961448e+03	3.294638e+03	1.930215e+03	1.146858e+03
##	52126	52127	52128	52129	52130

##	2.436552e+03	2.324925e+03	2.183421e+03	3.256698e+03	3.609323e+03
##	52131	52132	52133	52134	52135
##	2.372335e+03	2.723976e+03	2.916181e+03	2.907508e+03	3.370054e+03
##	52136	52137	52138	52139	52140
##	2.149051e+03	2.961759e+03	2.880537e+03	3.187167e+03	2.574704e+03
##	52141	52142	52143	52144	52145
##	2.449851e+03	2.526248e+03	3.600408e+03	2.771840e+03	3.292579e+03
##	52146	52147	52148	52149	52150
##	2.852346e+03	3.212223e+03	2.160914e+03	2.725320e+03	2.303457e+03
##	52151	52152	52153	52154	52155
##	1.930002e+03	3.100375e+03	3.522923e+03	3.504087e+03	3.538984e+03
##	52156	52157	52158	52159	52160
##	3.126917e+03	2.567375e+03	3.356371e+03	3.559315e+03	3.661780e+03
##	52161	52162	52163	52164	52165
##	3.119211e+03	3.107405e+03	2.918837e+03	3.086091e+03	2.303752e+03
##	52166	52167	52168	52169	52170
##	1.962514e+03	2.347954e+03	2.050091e+03	3.571604e+03	3.708854e+03
##	52171	52172	52173	52174	52175
##	3.003882e+03	2.888913e+03	2.420587e+03	1.987973e+03	1.889745e+03
##	52176	52177	52178	52179	52180
##	3.536976e+03	3.104781e+03	2.096783e+03	2.965547e+03	2.969185e+03
##	52181	52182	52183	52184	52185
##	2.890738e+03	3.223980e+03	3.080257e+03	2.551539e+03	3.226431e+03
##	52186	52187	52188	52189	52190
##	3.370404e+03	3.151850e+03	2.809337e+03	2.770189e+03	2.787154e+03
##	52191	52192	52193	52194	52195
##	3.442289e+03	2.476464e+03	3.168536e+03	3.494729e+03	3.252454e+03
##	52196	52197	52198	52199	52200
##	3.307502e+03	3.305498e+03	3.265093e+03	3.242371e+03	3.065609e+03
##	52201	52202	52203	52204	52205
##	3.070858e+03	3.418802e+03	3.193976e+03	1.871897e+03	2.393914e+03
##	52206	52207	52208	52209	52210
##	2.788128e+03	2.767132e+03	3.376125e+03	3.337768e+03	2.150160e+03
##	52211	52212	52213	52214	52215
##	2.835370e+03	3.076034e+03	1.590936e+03	2.816254e+03	2.514725e+03
##	52216	52217	52218	52219	52220
##	1.679121e+03	2.448208e+03	3.175489e+03	2.672617e+03	2.941750e+03
##	52221	52222	52223	52224	52225
##	2.717910e+03	1.956827e+03	3.055868e+03	2.997413e+03	3.216116e+03
##	52226	52227	52228	52229	52230
##	2.617337e+03	2.330914e+03	3.261520e+03	2.530438e+03	3.518881e+03
##	52231	52232	52233	52234	52235
##	2.397200e+03	2.951884e+03	2.393662e+03	2.137989e+03	3.138905e+03
##	52236	52237	52238	52239	52240
##	3.111756e+03	2.917788e+03	3.263195e+03	2.546383e+03	3.153395e+03
##	52241	52242	52243	52244	52245
##	3.226564e+03	1.116322e+03	2.350858e+03	2.501611e+03	2.078004e+03
##	52246	52247	52248	52249	52250
##	3.131450e+03	3.131678e+03	3.137972e+03	3.282217e+03	2.169535e+03
##	52251	52252	52253	52254	52255
##	2.371046e+03	2.299770e+03	3.096341e+03	2.762520e+03	-6.429181e+01
##	52256	52257	52258	52259	52260
##	3.163192e+03	3.005969e+03	2.839140e+03	3.196860e+03	2.357546e+03
##	52261	52262	52263	52264	52265

##	2.891925e+03	3.415023e+03	3.464810e+03	2.703895e+03	2.551407e+03
##	52266	52267	52268	52269	52270
##	2.837065e+03	3.109979e+03	2.391709e+03	5.048815e+02	2.398958e+03
##	52271	52272	52273	52274	52275
##	2.470001e+03	3.282837e+03	2.412235e+03	3.035889e+03	3.123503e+03
##	52276	52277	52278	52279	52280
##	3.212696e+03	3.329487e+03	3.049796e+03	2.820553e+03	2.661848e+03
##	52281	52282	52283	52284	52285
##	3.289594e+03	2.124544e+03	1.967483e+03	3.267014e+03	2.829163e+03
##	52286	52287	52288	52289	52290
##	3.314723e+03	3.636527e+03	3.136915e+03	2.857089e+03	3.040688e+03
##	52291	52292	52293	52294	52295
##	7.845905e+02	1.065037e+03	9.964833e+02	1.067625e+03	1.066127e+03
##	52296	52297	52298	52299	52300
##	7.460745e+02	9.262488e+02	9.212160e+02	3.271071e+02	1.129135e+03
##	52301	52302	52303	52304	52305
##	1.772157e+02	1.739525e+02	2.349945e+02	4.616045e+02	4.446908e+02
##	52306	52307	52308	52309	52310
##	9.711272e+02	4.136076e+02	-1.083659e+02	2.242465e+02	2.656455e+02
##	52311	52312	52313	52314	52315
##	9.614381e+02	-2.629064e+02	-2.338611e+01	-2.184773e+01	5.320514e+02
##	52316	52317	52318	52319	52320
##	1.874574e+02	2.165853e+01	1.423146e+01	5.720437e+01	-5.654586e+01
##	52321	52322	52323	52324	52325
##	2.712468e+03	2.803323e+03	2.850488e+03	3.533604e+03	2.942761e+03
##	52326	52327	52328	52329	52330
##	2.778730e+03	3.356291e+03	3.298587e+03	3.094614e+03	3.271812e+03
##	52331	52332	52333	52334	52335
##	3.289995e+03	3.466124e+03	3.087411e+03	3.501666e+03	3.069423e+03
##	52336	52337	52338	52339	52340
##	3.283938e+03	2.749482e+03	2.232570e+03	3.480209e+03	2.786378e+03
##	52341	52342	52343	52344	52345
##	3.498068e+03	3.414598e+03	2.882563e+03	2.820540e+03	2.429510e+03
##	52346	52347	52348	52349	52350
##	2.888283e+03	3.010182e+03	3.114698e+03	2.356699e+03	2.157561e+03
##	52351	52352	52353	52354	52355
##	3.281719e+03	2.637771e+03	2.749806e+03	3.311694e+03	3.214878e+03
##	52356	52357	52358	52359	52360
##	2.027367e+03	2.413770e+03	2.443911e+03	3.326660e+03	2.273166e+03
##	52361	52362	52363	52364	52365
##	2.010041e+03	1.763720e+03	3.042939e+03	2.682058e+03	3.710776e+03
##	52366	52367	52368	52369	52370
##	3.409740e+03	2.294882e+03	2.179287e+03	3.066943e+03	2.582092e+03
##	52371	52372	52373	52374	52375
##	2.913028e+03	3.205388e+03	2.086096e+03	2.389456e+03	3.134320e+03
##	52376	52377	52378	52379	52380
##	2.911698e+03	2.398855e+03	2.402025e+03	3.286021e+03	3.373097e+03
##	52381	52382	52383	52384	52385
##	3.246336e+03	3.471136e+03	3.379086e+03	3.247621e+03	3.458427e+03
##	52386	52387	52388	52389	52390
##	2.623995e+03	3.065688e+03	2.492286e+03	3.240308e+03	2.781210e+03
##	52391	52392	52393	52394	52395
##	3.229294e+03	3.483729e+03	3.467230e+03	1.924332e+03	3.177436e+03
##	52396	52397	52398	52399	52400

##	3.307531e+03	3.294172e+03	3.290394e+03	2.913044e+03	3.144103e+03
##	52401	52402	52403	52404	52405
##	3.163629e+03	3.748644e+03	2.976980e+03	2.611927e+03	3.233724e+03
##	52406	52407	52408	52409	52410
##	2.825886e+03	2.160844e+03	3.407026e+03	3.429210e+03	2.071501e+03
##	52411	52412	52413	52414	52415
##	2.450435e+03	3.638723e+03	3.622327e+03	3.752211e+03	3.686258e+03
##	52416	52417	52418	52419	52420
##	3.592029e+03	2.903921e+03	2.725321e+03	2.333396e+03	2.486237e+03
##	52421	52422	52423	52424	52425
##	2.527201e+03	3.143484e+03	3.076286e+03	2.846013e+03	3.371919e+03
##	52426	52427	52428	52429	52430
##	3.267115e+03	3.341654e+03	3.569194e+03	3.076103e+03	3.085203e+03
##	52431	52432	52433	52434	52435
##	3.485982e+03	2.750158e+03	3.198852e+03	3.552517e+03	2.963143e+03
##	52436	52437	52438	52439	52440
##	3.075293e+03	3.470387e+03	3.087702e+03	3.118826e+03	2.910583e+03
##	52441	52442	52443	52444	52445
##	2.910892e+03	1.971797e+03	2.462082e+03	3.143568e+03	2.888176e+03
##	52446	52447	52448	52449	52450
##	2.928985e+03	2.673229e+03	2.565553e+03	3.508668e+03	3.269070e+03
##	52451	52452	52453	52454	52455
##	3.444465e+03	3.425092e+03	3.425290e+03	2.982341e+03	2.949817e+03
##	52456	52457	52458	52459	52460
##	3.265618e+03	3.277483e+03	2.660420e+03	3.329689e+03	2.733181e+03
##	52461	52462	52463	52464	52465
##	3.029038e+03	2.418264e+03	3.453649e+03	2.925301e+03	2.964266e+03
##	52466	52467	52468	52469	52470
##	2.657557e+03	3.356273e+03	3.217189e+03	2.647537e+03	3.334942e+03
##	52471	52472	52473	52474	52475
##	2.254756e+03	2.863994e+03	2.906872e+03	2.905404e+03	1.751951e+03
##	52476	52477	52478	52479	52480
##	2.458610e+03	2.303411e+03	2.694764e+03	2.559348e+03	3.346112e+03
##	52481	52482	52483	52484	52485
##	3.237515e+03	3.239102e+03	3.013185e+03	1.288963e+03	3.717121e+03
##	52486	52487	52488	52489	52490
##	3.111670e+03	2.991745e+03	2.840192e+03	3.136005e+03	2.526186e+03
##	52491	52492	52493	52494	52495
##	2.699200e+03	3.255799e+03	2.569105e+03	3.341826e+03	2.907497e+03
##	52496	52497	52498	52499	52500
##	3.129916e+03	3.199345e+03	3.248905e+03	2.852749e+03	2.842630e+03
##	52501	52502	52503	52504	52505
##	2.803658e+03	2.811125e+03	2.136342e+03	3.069132e+03	2.291672e+03
##	52506	52507	52508	52509	52510
##	3.496881e+03	3.379203e+03	3.317663e+03	3.148099e+03	2.819803e+03
##	52511	52512	52513	52514	52515
##	3.386617e+03	2.851956e+03	3.174933e+03	3.268052e+03	3.036407e+03
##	52516	52517	52518	52519	52520
##	2.295922e+03	3.235062e+03	3.242405e+03	3.000467e+03	3.019192e+03
##	52521	52522	52523	52524	52525
##	3.015535e+03	3.455601e+03	3.498259e+03	2.906344e+03	2.864699e+03
##	52526	52527	52528	52529	52530
##	3.354302e+03	3.036812e+03	3.159374e+03	3.058634e+03	2.560564e+03
##	52531	52532	52533	52534	52535

##	3.096902e+03	3.334828e+03	3.102335e+03	3.137505e+03	3.683097e+03
##	52536	52537	52538	52539	52540
##	3.220939e+03	3.209465e+03	2.311151e+03	3.156726e+03	2.952900e+03
##	52541	52542	52543	52544	52545
##	3.397268e+03	2.813611e+03	3.177262e+03	2.720407e+03	3.115379e+03
##	52546	52547	52548	52549	52550
##	3.364392e+03	3.530972e+03	3.689419e+03	2.177849e+03	3.271386e+03
##	52551	52552	52553	52554	52555
##	3.046941e+03	3.530719e+03	2.504811e+03	3.591969e+03	3.547035e+03
##	52556	52557	52558	52559	52560
##	3.592570e+03	3.566251e+03	3.510599e+03	3.701317e+03	3.533577e+03
##	52561	52562	52563	52564	52565
##	3.552227e+03	3.382170e+03	3.137780e+03	3.044488e+03	3.040213e+03
##	52566	52567	52568	52569	52570
##	2.695684e+03	2.978147e+03	3.044757e+03	7.264600e+02	2.269882e+03
##	52571	52572	52573	52574	52575
##	2.836340e+03	3.419494e+03	3.464814e+03	1.709155e+03	2.164891e+03
##	52576	52577	52578	52579	52580
##	2.963829e+03	2.991759e+03	3.498697e+03	3.002588e+03	3.101814e+03
##	52581	52582	52583	52584	52585
##	3.037557e+03	3.237415e+03	3.447596e+03	1.187574e+03	3.270628e+03
##	52586	52587	52588	52589	52590
##	2.729582e+03	2.904675e+03	2.570672e+03	2.593268e+03	2.987805e+03
##	52591	52592	52593	52594	52595
##	3.055251e+03	3.033524e+03	7.818793e+02	2.199253e+03	3.631360e+03
##	52596	52597	52598	52599	52600
##	2.403251e+03	3.076919e+03	3.177804e+03	2.668356e+03	2.985674e+03
##	52601	52602	52603	52604	52605
##	3.397937e+03	2.776173e+03	2.859340e+03	3.484298e+03	2.881902e+03
##	52606	52607	52608	52609	52610
##	3.321473e+03	2.983022e+03	2.877790e+03	2.563854e+03	3.105469e+03
##	52611	52612	52613	52614	52615
##	2.620103e+03	2.751046e+03	3.744438e+03	2.799719e+03	2.895361e+03
##	52616	52617	52618	52619	52620
##	3.352704e+03	3.046507e+03	3.190994e+03	2.207425e+03	3.373749e+03
##	52621	52622	52623	52624	52625
##	1.707800e+02	6.958488e+01	1.860891e+02	-1.816112e+01	5.066354e+00
##	52626	52627	52628	52629	52630
##	7.954576e+01	3.510588e+02	-1.699920e+03	-1.516146e+03	6.878647e+01
##	52631	52632	52633	52634	52635
##	1.181346e+02	7.884322e+02	1.104921e+02	9.478535e+02	8.036665e+02
##	52636	52637	52638	52639	52640
##	6.980988e+02	7.120964e+02	6.791910e+02	7.317394e+02	7.729028e+02
##	52641	52642	52643	52644	52645
##	8.743955e+02	6.891927e+02	8.331948e+02	8.068848e+02	8.250557e+02
##	52646	52647	52648	52649	52650
##	8.302244e+02	7.589638e+02	7.856736e+02	7.645639e+02	9.066454e+02
##	52651	52652	52653	52654	52655
##	3.411971e+03	3.125009e+03	2.234909e+03	2.998124e+03	3.035522e+03
##	52656	52657	52658	52659	52660
##	2.974800e+03	3.324810e+03	3.128825e+03	3.120246e+03	2.865154e+03
##	52661	52662	52663	52664	52665
##	2.921485e+03	2.900965e+03	3.058844e+03	3.170792e+03	1.994822e+03
##	52666	52667	52668	52669	52670

##	3.271477e+03	2.951962e+03	2.524706e+03	3.441520e+03	4.240321e+03
##	52671	52672	52673	52674	52675
##	3.122269e+03	2.692291e+03	2.169140e+03	3.157487e+03	3.408971e+03
##	52676	52677	52678	52679	52680
##	2.787923e+03	2.260968e+03	2.753344e+03	2.546869e+03	3.378225e+03
##	52681	52682	52683	52684	52685
##	3.335522e+03	2.881687e+03	2.414815e+03	2.316085e+03	3.054161e+03
##	52686	52687	52688	52689	52690
##	3.543387e+03	3.323766e+03	3.474007e+03	3.415383e+03	3.026638e+03
##	52691	52692	52693	52694	52695
##	2.959200e+03	3.882634e+03	2.904623e+03	2.854423e+03	2.970401e+03
##	52696	52697	52698	52699	52700
##	3.637488e+03	3.554586e+03	3.502602e+03	3.212241e+03	3.030470e+03
##	52701	52702	52703	52704	52705
##	3.459473e+03	2.356597e+03	2.332142e+03	2.825017e+03	3.096790e+03
##	52706	52707	52708	52709	52710
##	3.044673e+03	2.191416e+03	2.949168e+03	3.069066e+03	3.153171e+03
##	52711	52712	52713	52714	52715
##	2.963040e+03	2.262125e+03	2.982194e+03	3.466350e+03	3.665293e+03
##	52716	52717	52718	52719	52720
##	3.039928e+03	3.113074e+03	2.947547e+03	3.268937e+03	2.674788e+03
##	52721	52722	52723	52724	52725
##	2.351232e+03	2.935776e+03	3.354081e+03	2.661539e+03	3.777149e+03
##	52726	52727	52728	52729	52730
##	3.040439e+03	2.843314e+03	2.547767e+03	3.459268e+03	3.498219e+03
##	52731	52732	52733	52734	52735
##	2.525903e+03	2.975899e+03	3.054371e+03	2.935755e+03	3.075353e+03
##	52736	52737	52738	52739	52740
##	3.460219e+03	3.161461e+03	3.173062e+03	2.364322e+03	3.754701e+03
##	52741	52742	52743	52744	52745
##	3.038718e+03	2.867312e+03	2.734608e+03	3.218068e+03	3.253200e+03
##	52746	52747	52748	52749	52750
##	3.004075e+03	3.301093e+03	3.314112e+03	3.266487e+03	3.376000e+03
##	52751	52752	52753	52754	52755
##	2.100389e+03	2.854758e+03	3.818409e+03	2.530154e+03	3.328590e+03
##	52756	52757	52758	52759	52760
##	3.206546e+03	3.359591e+03	3.125811e+03	3.107225e+03	3.172105e+03
##	52761	52762	52763	52764	52765
##	3.502733e+03	2.229336e+03	3.110301e+03	3.153792e+03	3.266278e+03
##	52766	52767	52768	52769	52770
##	3.434023e+03	3.148499e+03	2.727944e+03	2.719594e+03	3.178030e+03
##	52771	52772	52773	52774	52775
##	2.910145e+03	2.831601e+03	2.879833e+03	3.197634e+03	2.401507e+03
##	52776	52777	52778	52779	52780
##	3.799346e+03	3.180918e+03	3.047250e+03	3.602207e+03	3.063191e+03
##	52781	52782	52783	52784	52785
##	3.450232e+03	2.457761e+03	2.791957e+03	3.136799e+03	3.294269e+03
##	52786	52787	52788	52789	52790
##	2.767612e+03	3.275138e+03	2.953794e+03	3.207463e+03	3.796650e+03
##	52791	52792	52793	52794	52795
##	2.825072e+03	3.292398e+03	3.203282e+03	2.759108e+03	2.743959e+03
##	52796	52797	52798	52799	52800
##	2.932572e+03	2.862340e+03	2.721721e+03	3.059250e+03	3.009444e+03
##	52801	52802	52803	52804	52805

##	2.655196e+03	3.671932e+03	2.899942e+03	1.418814e+03	3.592310e+03
##	52806	52807	52808	52809	52810
##	3.824061e+03	3.119899e+03	3.007282e+03	3.084357e+03	2.870592e+03
##	52811	52812	52813	52814	52815
##	3.073848e+03	3.122584e+03	3.119029e+03	3.115463e+03	2.871791e+03
##	52816	52817	52818	52819	52820
##	3.122610e+03	3.124409e+03	2.982539e+03	3.006730e+03	2.160691e+03
##	52821	52822	52823	52824	52825
##	2.920958e+03	3.262457e+03	3.026094e+03	2.180562e+03	3.286382e+03
##	52826	52827	52828	52829	52830
##	2.664942e+03	2.918032e+03	3.026875e+03	3.711202e+03	2.903138e+03
##	52831	52832	52833	52834	52835
##	2.867519e+03	2.858086e+03	3.530542e+03	3.492658e+03	3.209390e+03
##	52836	52837	52838	52839	52840
##	3.421886e+03	3.090585e+03	2.333111e+03	3.922209e+03	2.991333e+03
##	52841	52842	52843	52844	52845
##	3.206336e+03	3.419073e+03	2.281116e+03	2.317804e+03	2.316059e+03
##	52846	52847	52848	52849	52850
##	3.046077e+03	3.056738e+03	3.753210e+03	2.524344e+03	2.990398e+03
##	52851	52852	52853	52854	52855
##	3.038769e+03	3.880033e+03	3.302874e+03	2.568658e+03	2.614408e+03
##	52856	52857	52858	52859	52860
##	2.632712e+03	3.441960e+03	3.141580e+03	3.532073e+03	2.754493e+03
##	52861	52862	52863	52864	52865
##	-5.104707e+02	-5.104707e+02	2.662130e+03	3.123844e+03	3.357988e+03
##	52866	52867	52868	52869	52870
##	2.482308e+03	2.545589e+03	2.341724e+03	3.322009e+03	2.935184e+03
##	52871	52872	52873	52874	52875
##	2.333786e+03	3.543298e+03	3.034013e+03	2.995048e+03	2.503343e+03
##	52876	52877	52878	52879	52880
##	2.546070e+03	3.576702e+03	3.182676e+03	3.223938e+03	3.434797e+03
##	52881	52882	52883	52884	52885
##	3.281798e+03	3.174121e+03	3.074108e+03	3.050027e+03	3.378781e+03
##	52886	52887	52888	52889	52890
##	2.024186e+03	2.894168e+03	2.916797e+03	2.947061e+03	3.601555e+03
##	52891	52892	52893	52894	52895
##	3.218473e+03	3.062694e+03	2.884296e+03	3.429453e+03	3.388178e+03
##	52896	52897	52898	52899	52900
##	3.721453e+03	2.098775e+03	3.136215e+03	3.050532e+03	2.542406e+03
##	52901	52902	52903	52904	52905
##	3.596716e+03	2.882467e+03	2.878304e+03	2.467732e+03	3.143994e+03
##	52906	52907	52908	52909	52910
##	3.438848e+03	3.183999e+03	3.566174e+03	3.570698e+03	3.624148e+03
##	52911	52912	52913	52914	52915
##	2.778243e+03	3.444155e+03	3.515092e+03	2.307291e+03	3.460242e+03
##	52916	52917	52918	52919	52920
##	3.211764e+03	3.245433e+03	3.125919e+03	3.018725e+03	2.943618e+03
##	52921	52922	52923	52924	52925
##	3.597635e+03	3.599506e+03	2.867806e+03	2.878669e+03	3.278986e+03
##	52926	52927	52928	52929	52930
##	3.172913e+03	3.202213e+03	3.163050e+03	3.209994e+03	3.629852e+03
##	52931	52932	52933	52934	52935
##	2.804269e+03	3.273263e+03	3.425980e+03	3.241077e+03	3.301956e+03
##	52936	52937	52938	52939	52940

##	3.382762e+03	2.906862e+03	2.838216e+03	2.860454e+03	2.788406e+03
##	52941	52942	52943	52944	52945
##	2.856987e+03	3.470055e+03	3.479214e+03	3.473074e+03	2.641536e+03
##	52946	52947	52948	52949	52950
##	2.611405e+03	3.562442e+03	3.542911e+03	3.430204e+03	2.505610e+03
##	52951	52952	52953	52954	52955
##	1.018923e+03	9.351765e+02	9.884393e+02	8.539958e+02	8.627704e+02
##	52956	52957	52958	52959	52960
##	8.567705e+02	8.866883e+02	7.958301e+02	7.717352e+02	8.803383e+02
##	52961	52962	52963	52964	52965
##	7.981865e+02	7.827451e+02	7.593040e+02	1.159310e+03	1.160777e+03
##	52966	52967	52968	52969	52970
##	9.455009e+02	8.413749e+02	8.455309e+02	8.832960e+02	9.184278e+02
##	52971	52972	52973	52974	52975
##	-1.512221e+03	-2.630555e+02	-3.142751e+02	-2.923496e+02	3.221355e+02
##	52976	52977	52978	52979	52980
##	7.575153e+02	3.022854e+01	3.756154e+01	1.538202e+02	2.595050e+02
##	52981	52982	52983	52984	52985
##	2.954266e+03	3.584314e+03	3.313610e+03	3.196874e+03	3.255112e+03
##	52986	52987	52988	52989	52990
##	3.229160e+03	3.717106e+03	2.445717e+03	2.338174e+03	3.053614e+03
##	52991	52992	52993	52994	52995
##	2.875890e+03	1.388277e+03	3.203988e+03	2.857167e+03	3.256624e+03
##	52996	52997	52998	52999	53000
##	3.020152e+03	3.006301e+03	2.982221e+03	2.821749e+03	3.048672e+03
##	53001	53002	53003	53004	53005
##	3.005737e+03	2.895248e+03	2.129668e+03	2.938367e+03	3.008787e+03
##	53006	53007	53008	53009	53010
##	2.223037e+03	3.013592e+03	3.467821e+03	3.004575e+03	2.902500e+03
##	53011	53012	53013	53014	53015
##	3.006517e+03	2.210303e+03	2.956101e+03	3.304503e+03	3.726830e+03
##	53016	53017	53018	53019	53020
##	3.196157e+03	3.178580e+03	3.147414e+03	3.266419e+03	3.265587e+03
##	53021	53022	53023	53024	53025
##	2.904861e+03	3.114347e+03	3.339503e+03	2.787980e+03	1.247515e+03
##	53026	53027	53028	53029	53030
##	3.072090e+03	3.805159e+03	2.760781e+03	2.712733e+03	3.225985e+03
##	53031	53032	53033	53034	53035
##	3.268095e+03	-9.482791e+01	3.553324e+03	2.964697e+03	2.772760e+03
##	53036	53037	53038	53039	53040
##	2.835694e+03	3.074715e+03	3.844063e+03	3.029373e+03	3.773939e+03
##	53041	53042	53043	53044	53045
##	2.856285e+03	2.966889e+03	2.579399e+03	2.878881e+03	3.095631e+03
##	53046	53047	53048	53049	53050
##	2.898319e+03	3.252206e+03	3.223237e+03	3.191016e+03	3.290156e+03
##	53051	53052	53053	53054	53055
##	3.560841e+03	2.880469e+03	3.460343e+03	3.430559e+03	3.500018e+03
##	53056	53057	53058	53059	53060
##	3.735233e+03	3.710655e+03	3.725353e+03	1.148897e+03	2.511243e+03
##	53061	53062	53063	53064	53065
##	3.036698e+03	3.395021e+03	3.227043e+03	3.337285e+03	2.662648e+03
##	53066	53067	53068	53069	53070
##	2.096960e+03	3.253487e+03	-4.957180e+01	3.076742e+03	2.486316e+03
##	53071	53072	53073	53074	53075

##	3.120434e+03	3.158722e+03	2.414043e+03	3.137761e+03	2.396506e+03
##	53076	53077	53078	53079	53080
##	2.803110e+03	3.483870e+03	1.111558e+03	3.405434e+03	3.524849e+03
##	53081	53082	53083	53084	53085
##	3.288486e+03	2.764862e+03	3.247442e+03	2.342076e+03	3.383864e+03
##	53086	53087	53088	53089	53090
##	3.064479e+03	2.365904e+03	3.215054e+03	3.252111e+03	2.877124e+03
##	53091	53092	53093	53094	53095
##	3.577278e+03	3.664921e+03	3.555213e+03	3.247704e+03	3.405752e+03
##	53096	53097	53098	53099	53100
##	3.068043e+03	2.769860e+03	2.132350e+03	2.450977e+03	2.542582e+03
##	53101	53102	53103	53104	53105
##	3.076061e+03	3.034336e+03	3.050591e+03	2.679889e+03	3.312071e+03
##	53106	53107	53108	53109	53110
##	3.320880e+03	3.304737e+03	2.562354e+03	3.109125e+03	3.640064e+03
##	53111	53112	53113	53114	53115
##	2.617128e+03	3.166062e+03	3.053463e+03	2.718319e+03	3.002368e+03
##	53116	53117	53118	53119	53120
##	2.935727e+03	2.867737e+03	3.122516e+03	3.057941e+03	3.547413e+03
##	53121	53122	53123	53124	53125
##	3.061129e+03	2.297459e+03	1.445239e+03	2.224203e+03	3.238494e+03
##	53126	53127	53128	53129	53130
##	2.384645e+03	3.482943e+03	3.098877e+03	2.578257e+03	3.586524e+03
##	53131	53132	53133	53134	53135
##	3.669002e+03	2.954774e+03	2.478849e+03	2.759899e+03	1.378574e+03
##	53136	53137	53138	53139	53140
##	2.170474e+03	3.117270e+03	2.202150e+03	3.624159e+03	3.174695e+03
##	53141	53142	53143	53144	53145
##	2.995822e+03	3.580147e+03	2.736027e+03	2.877668e+03	3.270412e+03
##	53146	53147	53148	53149	53150
##	3.091250e+03	2.885661e+03	3.290958e+03	2.916607e+03	2.362425e+03
##	53151	53152	53153	53154	53155
##	1.825441e+03	1.816810e+03	3.116878e+03	3.240708e+03	2.589150e+03
##	53156	53157	53158	53159	53160
##	2.153944e+03	1.257612e+03	2.537238e+03	3.365803e+03	3.409380e+03
##	53161	53162	53163	53164	53165
##	3.787599e+03	2.752930e+03	3.244007e+03	2.399195e+03	2.470734e+03
##	53166	53167	53168	53169	53170
##	3.571088e+03	3.054357e+03	3.044131e+03	2.913323e+03	3.090278e+03
##	53171	53172	53173	53174	53175
##	2.941491e+03	3.010333e+03	2.223691e+03	3.445915e+03	3.610311e+03
##	53176	53177	53178	53179	53180
##	3.638801e+03	3.685931e+03	3.656238e+03	3.746760e+03	3.025272e+03
##	53181	53182	53183	53184	53185
##	3.578441e+03	3.073486e+03	2.814261e+03	3.385218e+03	3.353348e+03
##	53186	53187	53188	53189	53190
##	3.110604e+03	3.539004e+03	2.922376e+03	3.392645e+03	3.547524e+03
##	53191	53192	53193	53194	53195
##	2.971474e+03	2.655741e+03	3.166986e+03	3.287207e+03	3.598888e+03
##	53196	53197	53198	53199	53200
##	3.378356e+03	3.288347e+03	3.634713e+03	3.287373e+03	3.676354e+03
##	53201	53202	53203	53204	53205
##	2.377792e+03	3.066510e+03	2.342792e+03	2.355791e+03	2.947977e+03
##	53206	53207	53208	53209	53210

##	2.924896e+03	3.023882e+03	3.555484e+03	3.571617e+03	1.040307e+03
##	53211	53212	53213	53214	53215
##	3.251795e+03	2.685345e+03	3.364526e+03	3.037734e+03	3.074291e+03
##	53216	53217	53218	53219	53220
##	3.220250e+03	3.017759e+03	3.113493e+03	2.073515e+03	2.795768e+03
##	53221	53222	53223	53224	53225
##	2.808053e+03	2.250697e+03	3.753657e+03	2.967620e+03	2.970110e+03
##	53226	53227	53228	53229	53230
##	2.907258e+03	2.562215e+03	3.324544e+03	3.094008e+03	3.007048e+03
##	53231	53232	53233	53234	53235
##	3.272500e+03	3.066886e+03	3.286346e+03	2.571001e+03	3.564540e+03
##	53236	53237	53238	53239	53240
##	3.334696e+03	3.297354e+03	3.308234e+03	3.166634e+03	2.905764e+03
##	53241	53242	53243	53244	53245
##	2.928220e+03	3.468957e+03	2.730918e+03	3.333903e+03	3.302296e+03
##	53246	53247	53248	53249	53250
##	3.376708e+03	3.276463e+03	3.112096e+03	3.526980e+03	3.463900e+03
##	53251	53252	53253	53254	53255
##	3.064442e+03	3.133263e+03	3.657094e+03	3.687864e+03	2.924732e+03
##	53256	53257	53258	53259	53260
##	3.404363e+03	2.911470e+03	2.986201e+03	2.496732e+03	2.848556e+03
##	53261	53262	53263	53264	53265
##	1.227076e+03	3.208740e+03	3.584001e+03	3.570185e+03	3.585564e+03
##	53266	53267	53268	53269	53270
##	3.375873e+03	3.510784e+03	3.441018e+03	3.477793e+03	3.334732e+03
##	53271	53272	53273	53274	53275
##	3.313906e+03	3.128480e+03	3.105794e+03	3.331058e+03	2.678772e+03
##	53276	53277	53278	53279	53280
##	2.896488e+03	2.880863e+03	3.194981e+03	3.348153e+03	2.583815e+03
##	53281	53282	53283	53284	53285
##	-8.521061e+01	2.315589e+02	1.093925e+02	5.797836e+01	6.241548e+01
##	53286	53287	53288	53289	53290
##	-9.527867e+01	1.608956e+01	2.293689e+02	4.717037e+01	-1.996660e+02
##	53291	53292	53293	53294	53295
##	7.040417e+01	-9.847302e+01	3.925152e+01	-1.424455e+02	-6.414302e+01
##	53296	53297	53298	53299	53300
##	2.696329e+02	-2.303739e+02	2.029455e+02	-5.887468e+01	2.125059e+02
##	53301	53302	53303	53304	53305
##	-1.072497e+02	7.894265e+01	2.169884e+02	1.064894e+02	6.762947e+01
##	53306	53307	53308	53309	53310
##	9.684973e+01	-1.108535e+02	7.039653e+01	4.277246e+01	-1.137717e+02
##	53311	53312	53313	53314	53315
##	2.603716e+03	2.590651e+03	2.604289e+03	2.607393e+03	2.888597e+03
##	53316	53317	53318	53319	53320
##	2.270060e+03	2.199884e+03	3.102468e+03	2.856185e+03	3.137031e+03
##	53321	53322	53323	53324	53325
##	2.834989e+03	3.191216e+03	3.461090e+03	3.105761e+03	3.096227e+03
##	53326	53327	53328	53329	53330
##	3.456966e+03	3.324614e+03	3.062300e+03	3.126517e+03	3.164844e+03
##	53331	53332	53333	53334	53335
##	3.716224e+03	2.715349e+03	2.203403e+03	3.468484e+03	2.386505e+03
##	53336	53337	53338	53339	53340
##	3.838373e+03	3.552281e+03	3.436781e+03	2.667200e+03	3.044948e+03
##	53341	53342	53343	53344	53345

##	3.114776e+03	3.109913e+03	2.576336e+03	3.040812e+03	3.114331e+03
##	53346	53347	53348	53349	53350
##	3.048572e+03	3.635417e+03	3.650643e+03	2.443885e+03	2.925089e+03
##	53351	53352	53353	53354	53355
##	3.253487e+03	3.471398e+03	2.002265e+03	2.540295e+03	2.714111e+03
##	53356	53357	53358	53359	53360
##	2.658598e+03	3.692771e+03	3.456649e+03	3.254136e+03	3.305245e+03
##	53361	53362	53363	53364	53365
##	3.250867e+03	3.522528e+03	3.471271e+03	3.271675e+03	3.262637e+03
##	53366	53367	53368	53369	53370
##	3.283481e+03	3.231542e+03	3.013478e+03	3.292807e+03	3.439008e+03
##	53371	53372	53373	53374	53375
##	3.711838e+03	3.707327e+03	3.971538e+03	3.090404e+03	3.002085e+03
##	53376	53377	53378	53379	53380
##	2.654809e+03	3.554895e+03	1.897488e+03	1.926788e+03	3.294202e+03
##	53381	53382	53383	53384	53385
##	3.426354e+03	2.852836e+03	3.576749e+03	3.034032e+03	2.999372e+03
##	53386	53387	53388	53389	53390
##	2.979572e+03	3.315694e+03	2.847145e+03	2.632098e+03	3.157389e+03
##	53391	53392	53393	53394	53395
##	3.087894e+03	3.714503e+03	2.540465e+03	3.021890e+03	3.346680e+03
##	53396	53397	53398	53399	53400
##	3.221019e+03	3.080809e+03	2.395171e+03	3.071711e+03	3.231785e+03
##	53401	53402	53403	53404	53405
##	2.580439e+03	3.670950e+03	2.128374e+03	2.773179e+03	3.406877e+03
##	53406	53407	53408	53409	53410
##	3.354778e+03	3.103554e+03	2.109508e+03	3.769207e+03	3.152257e+03
##	53411	53412	53413	53414	53415
##	3.830103e+03	2.851211e+03	3.184911e+03	2.937014e+03	3.696996e+03
##	53416	53417	53418	53419	53420
##	3.048323e+03	2.476374e+03	2.308607e+03	2.990325e+03	2.965052e+03
##	53421	53422	53423	53424	53425
##	3.755593e+03	3.812933e+03	3.361636e+03	3.238946e+03	3.279647e+03
##	53426	53427	53428	53429	53430
##	3.573179e+03	3.670351e+03	2.564945e+03	2.980216e+03	2.959595e+03
##	53431	53432	53433	53434	53435
##	3.000493e+03	3.559196e+03	3.198562e+03	2.804970e+03	2.547992e+03
##	53436	53437	53438	53439	53440
##	3.090362e+03	3.573513e+03	3.590880e+03	3.603357e+03	3.129849e+03
##	53441	53442	53443	53444	53445
##	3.025653e+03	2.597707e+03	1.396680e+03	3.183995e+03	3.023053e+03
##	53446	53447	53448	53449	53450
##	2.170920e+03	2.200823e+03	2.280361e+03	3.106342e+03	2.886647e+03
##	53451	53452	53453	53454	53455
##	3.610382e+03	3.561197e+03	3.384258e+03	3.116254e+03	3.637614e+03
##	53456	53457	53458	53459	53460
##	3.141595e+03	3.109351e+03	2.709893e+03	2.695693e+03	3.070106e+03
##	53461	53462	53463	53464	53465
##	3.382143e+03	3.304256e+03	3.133719e+03	4.090014e+03	2.977738e+03
##	53466	53467	53468	53469	53470
##	3.431908e+03	3.229088e+03	3.455639e+03	2.268776e+03	3.188351e+03
##	53471	53472	53473	53474	53475
##	2.815603e+03	2.632485e+03	2.636091e+03	2.630877e+03	2.381717e+03
##	53476	53477	53478	53479	53480

##	3.931823e+03	3.179622e+03	3.244391e+03	2.989354e+03	2.505474e+03
##	53481	53482	53483	53484	53485
##	3.152074e+03	3.710607e+03	3.156694e+03	3.645054e+03	3.528668e+03
##	53486	53487	53488	53489	53490
##	2.793635e+03	3.270032e+03	2.738768e+03	3.272450e+03	3.430233e+03
##	53491	53492	53493	53494	53495
##	3.829036e+03	3.263831e+03	3.320215e+03	2.561618e+03	2.617291e+03
##	53496	53497	53498	53499	53500
##	1.756289e+03	3.808320e+03	3.652987e+03	2.688848e+03	3.177736e+03
##	53501	53502	53503	53504	53505
##	2.997500e+03	3.770495e+03	3.271292e+03	1.979043e+03	2.841693e+03
##	53506	53507	53508	53509	53510
##	3.088357e+03	3.193290e+03	3.766579e+03	3.593167e+03	3.427756e+03
##	53511	53512	53513	53514	53515
##	3.666517e+03	3.501416e+03	3.684369e+03	2.661954e+03	2.986221e+03
##	53516	53517	53518	53519	53520
##	2.813844e+03	3.102905e+03	3.509267e+03	3.096884e+03	2.126787e+03
##	53521	53522	53523	53524	53525
##	3.255029e+03	2.865070e+03	2.503312e+03	2.638865e+03	3.327289e+03
##	53526	53527	53528	53529	53530
##	3.008058e+03	3.218211e+03	4.077612e+03	3.056495e+03	2.176777e+03
##	53531	53532	53533	53534	53535
##	2.619623e+03	2.348676e+03	2.662260e+03	3.346180e+03	2.831444e+03
##	53536	53537	53538	53539	53540
##	2.912714e+03	3.790849e+03	2.898866e+03	3.210677e+03	2.276194e+03
##	53541	53542	53543	53544	53545
##	3.476695e+03	3.364642e+03	2.574979e+03	3.314063e+03	2.336787e+03
##	53546	53547	53548	53549	53550
##	2.898851e+03	3.299292e+03	3.241338e+03	3.201526e+03	1.504758e+03
##	53551	53552	53553	53554	53555
##	1.381367e+03	3.526980e+03	3.609934e+03	3.348449e+03	3.306523e+03
##	53556	53557	53558	53559	53560
##	3.291927e+03	2.579045e+03	3.560136e+03	3.389466e+03	3.310743e+03
##	53561	53562	53563	53564	53565
##	3.243771e+03	4.047044e+03	3.676123e+03	3.571574e+03	1.145603e+03
##	53566	53567	53568	53569	53570
##	3.662635e+03	3.797401e+03	3.137369e+03	2.735759e+03	3.562642e+03
##	53571	53572	53573	53574	53575
##	3.560344e+03	3.588930e+03	3.921472e+03	3.557741e+03	3.728751e+03
##	53576	53577	53578	53579	53580
##	3.570527e+03	2.726166e+03	2.624902e+03	2.225226e+03	2.964398e+03
##	53581	53582	53583	53584	53585
##	3.238444e+03	3.402209e+03	3.445460e+03	3.310669e+03	1.381148e+03
##	53586	53587	53588	53589	53590
##	3.303660e+03	3.622437e+03	3.033468e+03	2.813678e+03	3.093588e+03
##	53591	53592	53593	53594	53595
##	3.451534e+03	3.288652e+03	3.295368e+03	3.082593e+03	3.219716e+03
##	53596	53597	53598	53599	53600
##	3.665564e+03	3.481996e+03	3.651448e+03	9.820975e+02	3.313007e+03
##	53601	53602	53603	53604	53605
##	3.690261e+03	2.512390e+03	2.997217e+03	2.951004e+03	2.672175e+03
##	53606	53607	53608	53609	53610
##	4.279967e+03	3.521041e+03	3.296245e+03	2.236963e+03	4.018764e+03
##	53611	53612	53613	53614	53615

##	-1.785025e+01	-6.763515e+00	4.182852e+01	3.450825e+00	7.718988e+01
##	53616	53617	53618	53619	53620
##	4.311571e+01	7.917108e+01	5.187116e+01	2.205490e+02	8.181344e+01
##	53621	53622	53623	53624	53625
##	-7.711684e+01	-1.409426e+02	-1.739350e+02	-4.676763e+01	1.932890e+02
##	53626	53627	53628	53629	53630
##	-2.517247e+02	-2.132151e+02	6.857191e+01	8.362123e+01	-1.134752e+02
##	53631	53632	53633	53634	53635
##	7.390812e+01	2.713125e+02	-3.160709e+01	2.324526e+02	2.198138e+02
##	53636	53637	53638	53639	53640
##	6.285481e+01	2.138140e+02	6.903773e+01	2.431135e+02	2.079727e+02
##	53641	53642	53643	53644	53645
##	3.136691e+03	2.447556e+03	3.086549e+03	2.967559e+03	3.151690e+03
##	53646	53647	53648	53649	53650
##	2.334377e+03	3.157815e+03	3.134070e+03	3.065481e+03	9.284448e+01
##	53651	53652	53653	53654	53655
##	3.488801e+03	3.239038e+03	2.496615e+03	3.095935e+03	2.773278e+03
##	53656	53657	53658	53659	53660
##	3.287238e+03	2.745419e+03	3.792341e+03	3.295962e+03	2.531082e+03
##	53661	53662	53663	53664	53665
##	2.930334e+03	3.270477e+03	3.815707e+03	2.996211e+03	3.236305e+03
##	53666	53667	53668	53669	53670
##	4.008927e+03	2.491980e+03	3.507925e+03	3.636563e+03	3.414940e+03
##	53671	53672	53673	53674	53675
##	2.695054e+03	3.749058e+03	3.193809e+03	2.997310e+03	2.771046e+03
##	53676	53677	53678	53679	53680
##	3.693865e+03	3.623470e+03	3.726993e+03	3.176567e+03	3.128929e+03
##	53681	53682	53683	53684	53685
##	2.247314e+03	2.491507e+03	2.519548e+03	3.510103e+03	3.138666e+03
##	53686	53687	53688	53689	53690
##	3.215843e+03	2.878383e+03	3.515201e+03	3.720782e+03	3.083047e+03
##	53691	53692	53693	53694	53695
##	3.238219e+03	1.628893e+03	1.636873e+03	3.600340e+03	3.124130e+03
##	53696	53697	53698	53699	53700
##	3.718019e+03	3.436205e+03	2.507947e+03	3.547364e+03	1.503863e+03
##	53701	53702	53703	53704	53705
##	3.589312e+03	3.381923e+03	1.310116e+03	2.997619e+03	2.997766e+03
##	53706	53707	53708	53709	53710
##	3.459554e+03	3.676730e+03	3.256734e+03	3.891903e+03	2.437307e+03
##	53711	53712	53713	53714	53715
##	3.061150e+03	3.370585e+03	3.400436e+03	3.493486e+03	3.446441e+03
##	53716	53717	53718	53719	53720
##	3.305290e+03	3.733580e+03	2.915977e+03	4.103622e+03	3.361777e+03
##	53721	53722	53723	53724	53725
##	3.345064e+03	3.323646e+03	3.346367e+03	3.990614e+03	1.899051e+03
##	53726	53727	53728	53729	53730
##	3.924212e+03	3.926297e+03	1.807608e+03	3.246457e+03	3.257241e+03
##	53731	53732	53733	53734	53735
##	2.981524e+03	3.048506e+03	3.520237e+03	3.005408e+03	2.667618e+03
##	53736	53737	53738	53739	53740
##	3.379299e+03	3.368908e+03	3.421805e+03	3.358825e+03	3.569847e+03
##	53741	53742	53743	53744	53745
##	2.628003e+03	3.437723e+03	3.704843e+03	3.106369e+03	3.568268e+03
##	53746	53747	53748	53749	53750

##	9.351481e+02	3.279787e+03	3.106737e+03	3.478170e+03	3.666084e+03
##	53751	53752	53753	53754	53755
##	3.880539e+03	3.778392e+03	3.650117e+03	3.674242e+03	3.721899e+03
##	53756	53757	53758	53759	53760
##	3.698685e+03	3.905009e+03	2.834578e+03	3.451875e+03	3.656396e+03
##	53761	53762	53763	53764	53765
##	2.837676e+03	4.126718e+03	3.719453e+03	3.811088e+03	3.112839e+03
##	53766	53767	53768	53769	53770
##	3.157414e+03	3.861434e+03	3.910827e+03	3.790046e+03	2.791366e+03
##	53771	53772	53773	53774	53775
##	2.787027e+03	3.313951e+03	3.276755e+03	3.268407e+03	3.234848e+03
##	53776	53777	53778	53779	53780
##	2.893065e+03	3.440540e+03	3.536431e+03	3.391055e+03	2.328997e+03
##	53781	53782	53783	53784	53785
##	4.245890e+03	3.354135e+03	3.324307e+03	3.272682e+03	3.043658e+03
##	53786	53787	53788	53789	53790
##	3.268010e+03	3.143347e+03	2.295630e+03	2.657929e+03	2.570635e+03
##	53791	53792	53793	53794	53795
##	3.373528e+03	2.909238e+03	3.139618e+03	4.429222e+03	3.594291e+03
##	53796	53797	53798	53799	53800
##	3.289862e+03	3.214207e+03	3.245144e+03	3.481162e+03	3.916199e+03
##	53801	53802	53803	53804	53805
##	3.380538e+03	3.212803e+03	3.248811e+03	3.771578e+03	3.112679e+03
##	53806	53807	53808	53809	53810
##	3.741015e+03	2.974825e+03	3.352800e+03	3.620784e+03	2.895567e+03
##	53811	53812	53813	53814	53815
##	2.090049e+03	3.215328e+03	3.240507e+03	3.074264e+03	3.890346e+03
##	53816	53817	53818	53819	53820
##	3.625206e+03	3.582756e+03	3.029421e+03	2.909629e+03	3.550231e+03
##	53821	53822	53823	53824	53825
##	3.349587e+03	3.663329e+03	2.937514e+03	3.309843e+03	3.511313e+03
##	53826	53827	53828	53829	53830
##	3.404748e+03	3.432493e+03	3.477707e+03	3.415054e+03	3.254374e+03
##	53831	53832	53833	53834	53835
##	3.204276e+03	3.171509e+03	3.171605e+03	3.207735e+03	3.515668e+03
##	53836	53837	53838	53839	53840
##	3.850735e+03	3.482242e+03	3.499446e+03	3.802526e+03	2.864972e+03
##	53841	53842	53843	53844	53845
##	3.350714e+03	3.019185e+03	3.692493e+03	3.318726e+03	2.497132e+03
##	53846	53847	53848	53849	53850
##	3.640529e+03	3.956780e+03	3.757477e+03	2.555462e+03	3.063139e+03
##	53851	53852	53853	53854	53855
##	2.984638e+03	3.726965e+03	2.637659e+03	3.069367e+03	2.977261e+03
##	53856	53857	53858	53859	53860
##	2.967230e+03	2.691845e+03	2.304964e+03	3.157287e+03	2.980335e+03
##	53861	53862	53863	53864	53865
##	3.269985e+03	3.204029e+03	3.030839e+03	2.513433e+03	3.459127e+03
##	53866	53867	53868	53869	53870
##	3.463600e+03	3.449764e+03	3.784733e+03	3.290252e+03	3.375033e+03
##	53871	53872	53873	53874	53875
##	2.823833e+03	3.150422e+03	3.338691e+03	3.742629e+03	3.816139e+03
##	53876	53877	53878	53879	53880
##	9.663102e+02	3.081781e+03	3.422565e+03	2.854904e+03	3.997349e+03
##	53881	53882	53883	53884	53885

```
## 3.551275e+03 3.888410e+03 3.224195e+03 3.645884e+03 4.190851e+03
##          53886          53887          53888          53889          53890
## 3.337708e+03 3.628443e+03 3.208116e+03 2.832323e+03 2.664927e+03
##          53891          53892          53893          53894          53895
## 3.122020e+03 3.237853e+03 3.830898e+03 3.880291e+03 2.912601e+03
##          53896          53897          53898          53899          53900
## 3.655820e+03 2.979952e+03 1.021986e+03 3.700810e+03 3.723273e+03
##          53901          53902          53903          53904          53905
## 3.117217e+03 2.748471e+03 2.484118e+03 3.322770e+03 2.989078e+03
##          53906          53907          53908          53909          53910
## 2.977246e+03 3.400107e+03 3.000026e+03 2.986764e+03 2.885437e+03
##          53911          53912          53913          53914          53915
## 2.980705e+03 3.509987e+03 3.401313e+03 3.903286e+03 3.584498e+03
##          53916          53917          53918          53919          53920
## 2.719955e+03 3.288784e+03 2.412125e+03 3.091292e+03 3.623704e+03
##          53921          53922          53923          53924          53925
## 3.542281e+03 3.494973e+03 3.940262e+03 2.671377e+03 2.657542e+03
##          53926          53927          53928          53929          53930
## 2.570900e+03 3.154519e+03 3.552174e+03 2.672928e+03 3.776515e+03
##          53931          53932          53933          53934          53935
## 3.121494e+03 2.970429e+03 3.551274e+03 3.525388e+03 3.293132e+03
##          53936          53937          53938          53939          53940
## 3.481882e+03 3.189802e+03 3.030546e+03 2.592829e+03 2.733704e+03
```

```
# Having "disp", "hp" and "wt" as predictor variables - we've selected these variables from the mtcars d
input <- mtcars[,c("mpg", "disp", "hp", "wt")]
# Previewing these selected input predictor variables
head(input)
```

2.2 Multiple Linear Regression

```
##          mpg disp  hp   wt
## Mazda RX4      21.0  160 110 2.620
## Mazda RX4 Wag  21.0  160 110 2.875
## Datsun 710      22.8  108  93 2.320
## Hornet 4 Drive  21.4  258 110 3.215
## Hornet Sportabout 18.7  360 175 3.440
## Valiant         18.1  225 105 3.460
```

Creating relationship model

```
# Creating the relationship model
model <- lm(mpg~disp+hp+wt, data = input)
model
```

```
##
## Call:
## lm(formula = mpg ~ disp + hp + wt, data = input)
##
## Coefficients:
## (Intercept)      disp          hp          wt
##   37.105505   -0.000937   -0.031157   -3.800891
```

Getting the summary

```
# Getting the summary of the model
summary(input)
```

```
##          mpg          disp          hp          wt
##  Min.   :10.40   Min.   : 71.1   Min.   : 52.0   Min.   :1.513
## 1st Qu.:15.43   1st Qu.:120.8   1st Qu.: 96.5   1st Qu.:2.581
##  Median :19.20   Median :196.3   Median :123.0   Median :3.325
##  Mean   :20.09   Mean   :230.7   Mean   :146.7   Mean   :3.217
## 3rd Qu.:22.80   3rd Qu.:326.0   3rd Qu.:180.0   3rd Qu.:3.610
##  Max.   :33.90   Max.   :472.0   Max.   :335.0   Max.   :5.424
```

Making prediction with specific variables

```
# For a car with disp = 221, hp = 102 and wt = 2.91 the predicted mileage is
#
a <- data.frame(disp = 221, hp = 102, wt = 2.91)
predicted_mileage <- predict(model, a)
# printing the predicted mileage
predicted_mileage
```

```
##          1
## 22.65987
```

```
# Apply multiple linear regression for the stackloss dataset,
# and predict the stack loss if the air flow is 62, water temperature is 19 and acid concentration is 8.
# ---
#
# Previewing the database stackloss
#
head(stackloss)
```

2.3 Multiple Linear Regression

```
##   Air.Flow Water.Temp Acid.Conc. stack.loss
## 1      80        27        89         42
## 2      80        27        88         37
## 3      75        25        90         37
## 4      62        24        87         28
## 5      62        22        87         18
## 6      62        23        87         18
```

Getting the summary

```
summary(stackloss)
```

```
##   Air.Flow   Water.Temp   Acid.Conc.   stack.loss
##  Min.   :50.00   Min.   :17.0   Min.   :72.00   Min.   : 7.00
```



```
## 1st Qu.:56.00 1st Qu.:18.0 1st Qu.:82.00 1st Qu.:11.00
## Median :58.00 Median :20.0 Median :87.00 Median :15.00
## Mean :60.43 Mean :21.1 Mean :86.29 Mean :17.52
## 3rd Qu.:62.00 3rd Qu.:24.0 3rd Qu.:89.00 3rd Qu.:19.00
## Max. :80.00 Max. :27.0 Max. :93.00 Max. :42.00
```

Creating relationship model

```
# Creating the relationship model
```

```
rmodel <- lm(stack.loss~Water.Temp+Acid.Conc.+Air.Flow, data = stackloss)
rmodel
```

```
##
## Call:
## lm(formula = stack.loss ~ Water.Temp + Acid.Conc. + Air.Flow,
##     data = stackloss)
##
## Coefficients:
## (Intercept)   Water.Temp   Acid.Conc.     Air.Flow
##      -39.9197       1.2953      -0.1521       0.7156
```

```
# predict the stack loss if the air flow is 62, water temperature is 19 and acid concentration is 84.
#
a <- data.frame(Air.Flow = 62, Water.Temp = 19, Acid.Conc. = 84)
predicted_stack.loss <- predict(rmodel, a)
# printing the predicted mileage
predicted_stack.loss
```

```
##          1
## 16.28216
```

3. Cross Validation

Is the partition of the sample data into a training (or model-building) set, which we can use to develop the model, and a validation (or prediction) set, which is used to evaluate the predictive ability of the model. The simplest approach to cross-validation is to partition the sample observations randomly with 50% of the sample in each set. Instead of doing a single training/testing split, we can systematise this process, produce multiple, different out-of-sample train/test splits, that will lead to a better estimate of the out-of-sample RMSE.

```
# Using the previous diamonds dataset set.seed(42)
multiple_lm2 <- train(price ~ ., diamonds,
  method = "lm",
  trControl = trainControl(method = "cv",
    number = 10,
    verboseIter = FALSE))
summary(multiple_lm2)
multiple_lm2
```

KNN

KNN is a classification and regression algorithm. In case of classification, new data points get classified in a particular class on the basis of voting from nearest neighbors and in case of regression, new data get labeled based on the averages of nearest value. This algorithm is a lazy learner because it doesn't learn much from the training data.

```
#  
# Reading the first 6 rows of the iris dataset  
head(iris)
```

KNN Code

```
##      Sepal.Length Sepal.Width Petal.Length Petal.Width Species  
## 1          5.1          3.5          1.4          0.2  setosa  
## 2          4.9          3.0          1.4          0.2  setosa  
## 3          4.7          3.2          1.3          0.2  setosa  
## 4          4.6          3.1          1.5          0.2  setosa  
## 5          5.0          3.6          1.4          0.2  setosa  
## 6          5.4          3.9          1.7          0.4  setosa
```

```
# Fetting a summary of our dataset  
summary(iris)
```

```
##      Sepal.Length      Sepal.Width      Petal.Length      Petal.Width  
## Min.      :4.300   Min.      :2.000   Min.      :1.000   Min.      :0.100  
## 1st Qu.:5.100   1st Qu.:2.800   1st Qu.:1.600   1st Qu.:0.300  
## Median :5.800   Median :3.000   Median :4.350   Median :1.300  
## Mean    :5.843   Mean    :3.057   Mean    :3.758   Mean    :1.199  
## 3rd Qu.:6.400   3rd Qu.:3.300   3rd Qu.:5.100   3rd Qu.:1.800  
## Max.    :7.900   Max.    :4.400   Max.    :6.900   Max.    :2.500  
##      Species  
## setosa      :50  
## versicolor:50  
## virginica  :50  
##  
##  
##
```

Randomizing the data

```
set.seed(1234)  
# Randomizing the rows, creates a uniform distribution of 150  
random <- runif(150)  
iris_random <- iris[order(random),]  
# Selecting the first 6 rows from iris_random  
head(iris_random)
```

```
##      Sepal.Length Sepal.Width Petal.Length Petal.Width      Species
```

```
## 7          4.6          3.4          1.4          0.3      setosa
## 64         6.1          2.9          4.7          1.4 versicolor
## 73         6.3          2.5          4.9          1.5 versicolor
## 98         6.2          2.9          4.3          1.3 versicolor
## 101        6.3          3.3          6.0          2.5 virginica
## 110        7.2          3.6          6.1          2.5 virginica
```

Normalizing the data

```
# Normalizing the numerical variables of the data set. Normalizing the numerical values is really effective
# as it provides a measure from 0 to 1 which corresponds to min value to the max value of the data column
# We define a normal function which will normalize the set of values according to its minimum value and maximum value
normal <- function(x) (
  return( ((x - min(x)) / (max(x)-min(x))) )
)
normal(1:5)

## [1] 0.00 0.25 0.50 0.75 1.00
```

```
iris_new <- as.data.frame(lapply(iris_random[,5], normal))
summary(iris_new)
```

```
##   Sepal.Length   Sepal.Width   Petal.Length   Petal.Width
## Min.   :0.0000   Min.   :0.0000   Min.   :0.0000   Min.   :0.00000
## 1st Qu.:0.2222   1st Qu.:0.3333   1st Qu.:0.1017   1st Qu.:0.08333
## Median :0.4167   Median :0.4167   Median :0.5678   Median :0.50000
## Mean   :0.4287   Mean   :0.4406   Mean   :0.4675   Mean   :0.45806
## 3rd Qu.:0.5833   3rd Qu.:0.5417   3rd Qu.:0.6949   3rd Qu.:0.70833
## Max.   :1.0000   Max.   :1.0000   Max.   :1.0000   Max.   :1.00000
```

Training our data into training and testing

```
# Lets now create test and train data sets
train <- iris_new[1:130,]
test <- iris_new[131:150,]
train_sp <- iris_random[1:130,5]
test_sp <- iris_random[131:150,5]
```

Using knn to make classification

```
# Now we can use the K-NN algorithm. Lets call the "class" package which contains the K-NN algorithm.
# We then have to provide 'k' value which is no of nearest neighbours(NN) to look for
# in order to classify the test data point.
# Lets build a model on it; cl is the class of the training data set and k is the no of neighbours to look for
# in order to classify it accordingly.
library(class)
require(class)
model <- knn(train=train,test=test, ,cl= train_sp,k=13)
table(factor(model))

##
##   setosa versicolor virginica
##      3         6         11
```

```
table(test_sp,model)
```

```
##           model
## test_sp      setosa versicolor virginica
##   setosa         3         0         0
##   versicolor     0         5         0
##   virginica      0         1        11
```

The `table(test_sp, model)` matrix is also called confusion matrix. It has `test_sp` on one axis and model prediction on the other. The diagonal elements are the no of correctly predicted observations for that species. We can see how the model performed. It has predicted all the species correctly.

Example

```
# Import ggplot2 because diamonds dataset is in ggplot2 package
library(ggplot2)
# Loading the diamonds dataset diamonds
# Storing it as data frame
dia <- data.frame(diamonds)
# Creating a random number equal 90% of total number of rows
ran <- sample(1:nrow(dia),0.9 * nrow(dia))
# The normalization function is created
nor <-function(x) { (x -min(x))/(max(x)-min(x)) }
# Normalization function is applied to the data frame
dia_nor <- as.data.frame(lapply(dia[,c(1,5,6,7,8,9,10)], nor))
# The training dataset extracted
dia_train <- dia_nor[ran,]
# The test dataset extracted
dia_test <- dia_nor[-ran,]
# The 2nd column of training dataset because that is what we need to predict about testing dataset
# also convert ordered factor to normal factor
dia_target <- as.factor(dia[ran,2])
# The actual values of 2nd couln of testing dataset to compare it with values that will be predicted
# also convert ordered factor to normal factor
test_target <- as.factor(dia[-ran,2])
# Running the knn function
library(class)
pr <- knn(dia_train,dia_test,cl=dia_target,k=20)
# Creating the confusion matrix
tb <- table(pr,test_target)
# Checking the accuracy
accuracy <- function(x){sum(diag(x)/(sum(rowSums(x)))) * 100}
accuracy(tb)
```

```
## [1] 71.00482
```

Checking for the best performing k-folds

```
# Import ggplot2 because diamonds dataset is in ggplot2 package
library(ggplot2)
# Loading the diamonds dataset
diamonds
```

```
## # A tibble: 53,940 x 10
##   carat cut      color clarity depth table price      x      y      z
##   <dbl> <ord>    <ord> <ord>  <dbl> <dbl> <int> <dbl> <dbl> <dbl>
## 1 0.23 Ideal     E      SI2    61.5   55   326   3.95   3.98   2.43
## 2 0.21 Premium  E      SI1    59.8   61   326   3.89   3.84   2.31
## 3 0.23 Good     E      VS1    56.9   65   327   4.05   4.07   2.31
## 4 0.290 Premium I      VS2    62.4   58   334   4.2    4.23   2.63
## 5 0.31 Good     J      SI2    63.3   58   335   4.34   4.35   2.75
## 6 0.24 Very Good J      VVS2    62.8   57   336   3.94   3.96   2.48
## 7 0.24 Very Good I      VVS1    62.3   57   336   3.95   3.98   2.47
## 8 0.26 Very Good H      SI1    61.9   55   337   4.07   4.11   2.53
## 9 0.22 Fair     E      VS2    65.1   61   337   3.87   3.78   2.49
## 10 0.23 Very Good H      VS1    59.4   61   338   4      4.05   2.39
## # ... with 53,930 more rows
```

```
# Storing it as data frame
dia <- data.frame(diamonds)
# Creating a random number equal 90% of total number of rows
ran <- sample(1:nrow(dia),0.9 * nrow(dia))
# The normalization function is created
nor <-function(x) { (x -min(x))/(max(x)-min(x)) }
# Normalization function is applied to the dataframe
dia_nor <- as.data.frame(lapply(dia[,c(1,5,6,7,8,9,10)], nor))
# The training dataset extracted
dia_train <- dia_nor[ran,]
# The test dataset extracted
dia_test <- dia_nor[-ran,]
# The 2nd column of training dataset because that is what we need to predict about testing dataset
# also convert ordered factor to normal factor
dia_target <- as.factor(dia[ran,2])
# The actual values of 2nd couln of testing dataset to compaire it with values that will be predicted
# also convert ordered factor to normal factor
test_target <- as.factor(dia[-ran,2])
# Running the knn function
library(class)
pr <- knn(dia_train,dia_test,cl=dia_target,k=18)
# Creating the confucion matrix
tb <- table(pr,test_target)
# Checking the accuracy
accuracy <- function(x){sum(diag(x)/(sum(rowSums(x)))) * 100}
accuracy(tb)
```

```
## [1] 70.54134
```