

# Analysis

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## **Narrative**

### **Research Question**

#### **Background**

One of the hardest things for investments is to decide whether the amount to pay for that investment will have a great return. Often times, people struggle choosing what is the best car for them and if they are paying a fair price for that type of car. However, it can be hard to estimate a fair price for a car due to a number of various features such as car brand, car model, engine type, horsepower, car size and many other features that can be hard to compare car prices depending on different features.

#### **Motivation**

In this project, we want to make it easier for others to be able to actually determine if they are receiving fair price for the car they are purchasing. Many salesmen try to upsell a car to make more commissions on a car where some may be overpaying for a car when comparing to its market price. To be able to determine people are getting a fair price for a car, we hope to create a linear regression model that can accurately predict car price based on these various car features.

#### **Hypothesis**

When making the linear regression model, we hypothesize that car brand (carName), type of car body (carBody), and fuel type (fueltype) will be the largest factors when determining a car's price. Furthermore, we believe that a linear regression model will be the ideal model to use to predict car prices.

#### **Dataset**

##### **Observations**

The observations of the dataset are pretty straightforward where each observation or row is a car with the columns being various features of the car. The dataset includes 26 columns where one column is an observation index and another column is car price which is the variable we are trying to predict so we have 24 input or car features for 205 observations/cars that we can use our linear regression model.

## General Description of Variables

The following is the data dictionary of our dataset that gives a clear description of each variable and the type of variable (categorical, continuous/numeric) for each of our possible inputs to use in the linear model from our dataset.

```
{r car variables, echo=T} # print(car_data_dictionary, n = 25)
#
```

## Data Collection

The data was originally collected from various market surveys of different types of cars across the United States market around 1987 to learn how to price cars in China depending on the American market. There is an assumption that the cars in the data set have been randomly chosen from the set of cars in the various market surveys. Link to the dataset: <https://www.kaggle.com/hellbuoy/car-price-prediction>

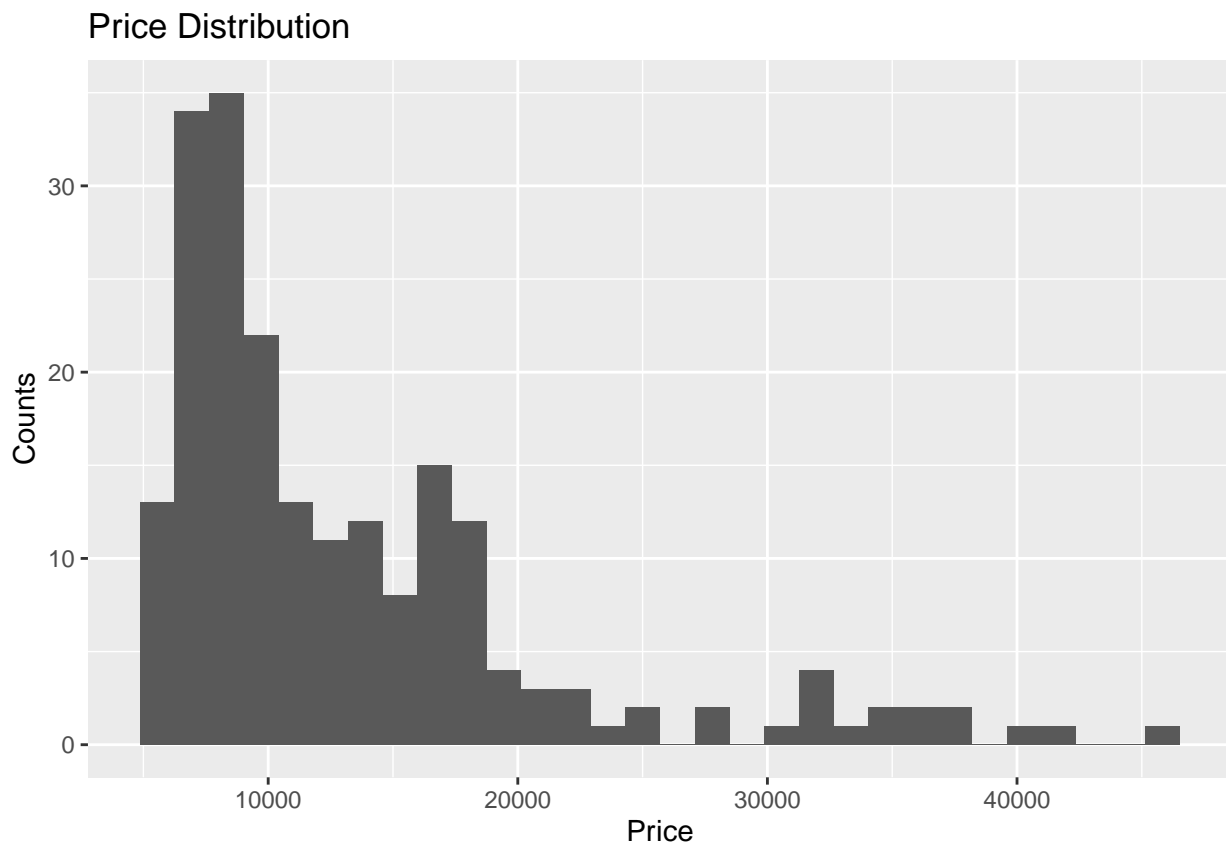
```
## Rows: 205
## Columns: 26
## $ car_ID          <dbl> 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16~
## $ symboling       <dbl> 3, 3, 1, 2, 2, 2, 1, 1, 1, 0, 2, 0, 0, 0, 1, 0, 0, 0,~
## $ CarName         <chr> "alfa-romero giulia", "alfa-romero stelvio", "alfa-ro~
## $ fueltype        <chr> "gas", "gas", "gas", "gas", "gas", "gas", "gas", "gas~
## $ aspiration      <chr> "std", "std", "std", "std", "std", "std", "std", "std~
## $ doornumber      <chr> "two", "two", "two", "four", "four", "two", "four", "~
## $ carbody         <chr> "convertible", "convertible", "hatchback", "sedan", "~
## $ drivewheel      <chr> "rwd", "rwd", "rwd", "fwd", "4wd", "fwd", "fwd", "fwd~
## $ enginelocation  <chr> "front", "front", "front", "front", "front", "front", "~
## $ wheelbase       <dbl> 88.6, 88.6, 94.5, 99.8, 99.4, 99.8, 105.8, 105.8, 105~
## $ carlength       <dbl> 168.8, 168.8, 171.2, 176.6, 176.6, 177.3, 192.7, 192.~
## $ carwidth        <dbl> 64.1, 64.1, 65.5, 66.2, 66.4, 66.3, 71.4, 71.4, 71.4,~
## $ carheight       <dbl> 48.8, 48.8, 52.4, 54.3, 54.3, 53.1, 55.7, 55.7, 55.9,~
## $ curbweight      <dbl> 2548, 2548, 2823, 2337, 2824, 2507, 2844, 2954, 3086,~
## $ enginetype      <chr> "dohc", "dohc", "ohcv", "ohc", "ohc", "ohc", "ohc", "~
## $ cylindernumber  <chr> "four", "four", "six", "four", "five", "five", "five"~
## $ enginesize      <dbl> 130, 130, 152, 109, 136, 136, 136, 131, 131, 108~
## $ fuelsystem      <chr> "mpfi", "mpfi", "mpfi", "mpfi", "mpfi", "mpfi", "mpfi~
## $ boreratio       <dbl> 3.47, 3.47, 2.68, 3.19, 3.19, 3.19, 3.19, 3.19, 3.13,~
## $ stroke          <dbl> 2.68, 2.68, 3.47, 3.40, 3.40, 3.40, 3.40, 3.40, 3.40,~
## $ compressionratio <dbl> 9.00, 9.00, 9.00, 10.00, 8.00, 8.50, 8.50, 8.50, 8.30~
## $ horsepower      <dbl> 111, 111, 154, 102, 115, 110, 110, 110, 140, 160, 101~
## $ peakrpm         <dbl> 5000, 5000, 5000, 5500, 5500, 5500, 5500, 5500, 5500,~
## $ citympg         <dbl> 21, 21, 19, 24, 18, 19, 19, 19, 17, 16, 23, 23, 21, 2~
## $ highwaympg      <dbl> 27, 27, 26, 30, 22, 25, 25, 25, 20, 22, 29, 29, 28, 2~
## $ price           <dbl> 13495.00, 16500.00, 16500.00, 13950.00, 17450.00, 152~
```

# Analysis

## EDA

```
ggplot(data = car_data, aes(x = price)) +  
  geom_histogram() +  
  labs(x = "Price",  
       y = "Counts",  
       title = "Price Distribution")
```

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



```
car_data %>%  
  summarise(min = min(price),  
            q1 = quantile(price, probs = c(0.25)),  
            median = median(price),  
            q3 = quantile(price, probs = c(0.75)),  
            max = max(price),  
            iqr = IQR(price),  
            mean = mean(price),  
            std_dev = sd(price)  
  )
```

```
## # A tibble: 1 x 8
```

```
##      min      q1 median      q3      max      iqr      mean std_dev
##   <dbl> <dbl>  <dbl> <dbl> <dbl> <dbl>  <dbl>   <dbl>
## 1  5118  7788 10295 16503 45400  8715 13277.   7989.
```

```
p1 <- ggplot(data = car_data, aes(x = symboling)) +
  geom_bar() +
  labs(x = "Symboling",
       y = "Counts",
       title = "Symboling Distribution")

p2 <- ggplot(data = car_data, aes(x = drivewheel)) +
  geom_bar() +
  labs(x = "Drive Wheel",
       y = "Counts",
       title = "Drive Wheel Distribution")

p3 <- ggplot(data = car_data, aes(x = fueltype)) +
  geom_bar() +
  labs(x = "Fuel Type",
       y = "Counts",
       title = "Fuel Type Distribution")

p4 <- ggplot(data = car_data, aes(x = aspiration)) +
  geom_bar() +
  labs(x = "Aspiration",
       y = "Counts",
       title = "Aspiration Distribution")

p5 <- ggplot(data = car_data, aes(x = doornumber)) +
  geom_bar() +
  labs(x = "Door Number",
       y = "Counts",
       title = "Door Number Distribution")

p6 <- ggplot(data = car_data, aes(x = carbody)) +
  geom_bar() +
  labs(x = "Car Body",
       y = "Counts",
       title = "Car Body Distribution")

p7 <- ggplot(data = car_data, aes(x = CarName)) +
  geom_bar() +
  labs(x = "Car Name",
       y = "Counts",
       title = "Car Name Distribution")

p8 <- ggplot(data = car_data, aes(x = wheelbase)) +
  geom_histogram() +
  labs(x = "Wheelbase",
       y = "Counts",
       title = "Wheelbase Distribution")

p9 <- ggplot(data = car_data, aes(x = carlength)) +
  geom_histogram() +
```

```

    labs(x = "Car Length",
         y = "Counts",
         title = "Car Length Distribution")

p10 <- ggplot(data = car_data, aes(x = carwidth)) +
  geom_histogram() +
  labs(x = "Car Width",
       y = "Counts",
       title = "Car Width Distribution")

p11 <- ggplot(data = car_data, aes(x = carheight)) +
  geom_histogram() +
  labs(x = "Car Height",
       y = "Counts",
       title = "Car Height Distribution")

p12 <- ggplot(data = car_data, aes(x = curbweight)) +
  geom_histogram() +
  labs(x = "Curb Weight",
       y = "Counts",
       title = "Curb Weight Distribution")

p13 <- ggplot(data = car_data, aes(x = enginetype)) +
  geom_bar() +
  labs(x = "Engine Type",
       y = "Counts",
       title = "Engine Type Distribution")

p14 <- ggplot(data = car_data, aes(x = cylindernumber)) +
  geom_bar() +
  labs(x = "Cylinder Number",
       y = "Counts",
       title = "Cylinder Number Distribution")

p15 <- ggplot(data = car_data, aes(x = enginesize)) +
  geom_histogram() +
  labs(x = "Engine Size",
       y = "Counts",
       title = "Engine Size Distribution")

p16 <- ggplot(data = car_data, aes(x = fuelsystem)) +
  geom_bar() +
  labs(x = "Fuel System",
       y = "Counts",
       title = "Fuel System Distribution")

p17 <- ggplot(data = car_data, aes(x = boreratio)) +
  geom_histogram() +
  labs(x = "Bore Ratio",
       y = "Counts",
       title = "Bore Ratio Distribution")

p18 <- ggplot(data = car_data, aes(x = stroke)) +

```

```

geom_histogram() +
  labs(x = "Stroke",
       y = "Counts",
       title = "Stroke Distribution")

p19 <- ggplot(data = car_data, aes(x = compressionratio)) +
  geom_histogram() +
  labs(x = "Compression Ratio",
       y = "Counts",
       title = "Compression Ratio Distribution")

p20 <- ggplot(data = car_data, aes(x = horsepower)) +
  geom_histogram() +
  labs(x = "Horsepower",
       y = "Counts",
       title = "Horsepower Distribution")

p21 <- ggplot(data = car_data, aes(x = peakrpm)) +
  geom_histogram() +
  labs(x = "Peak RPM",
       y = "Counts",
       title = "Peak RPM Distribution")

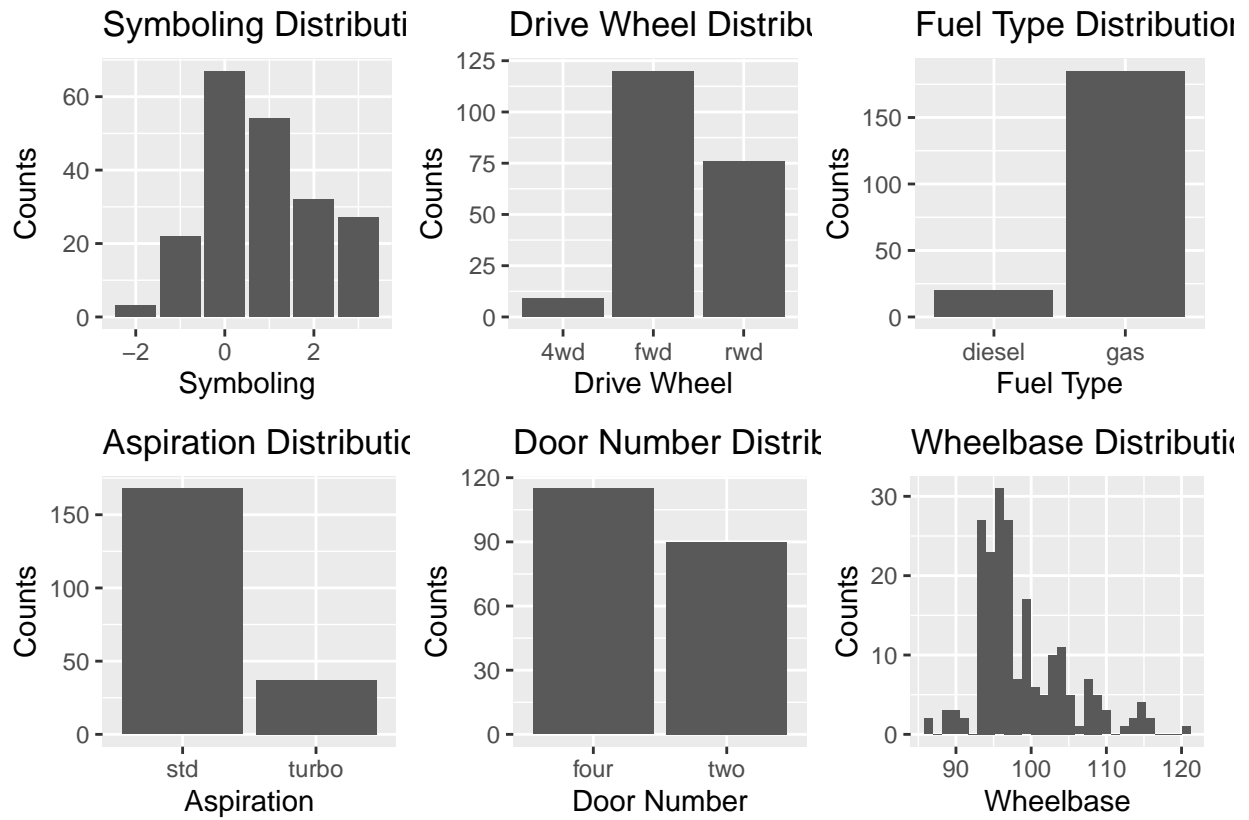
p22 <- ggplot(data = car_data, aes(x = citympg)) +
  geom_histogram() +
  labs(x = "City MPG",
       y = "Counts",
       title = "City MPG Distribution")

p23 <- ggplot(data = car_data, aes(x = highwaympg)) +
  geom_histogram() +
  labs(x = "Highway MPG",
       y = "Counts",
       title = "Highway MPG Distribution")

(p1+p2+p3)/(p4+p5+p8)

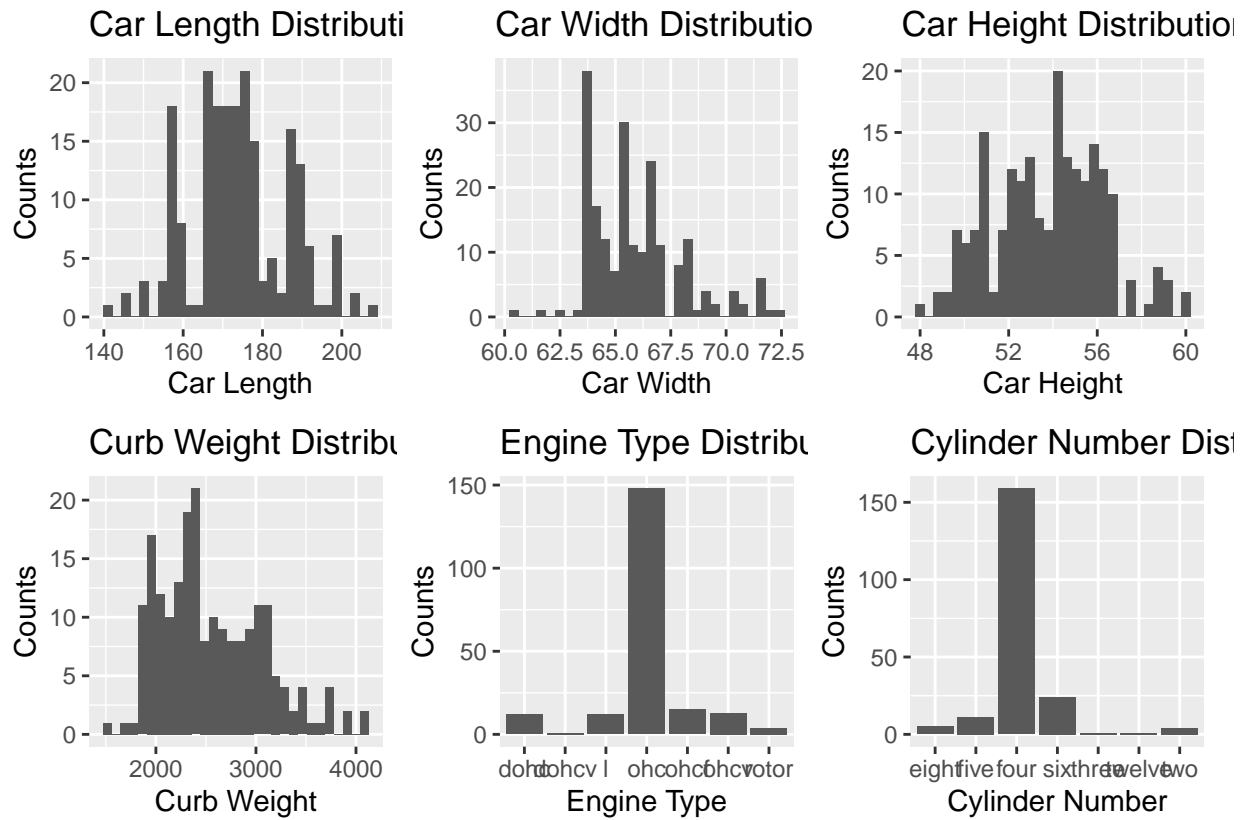
```

## 'stat\_bin()' using 'bins = 30'. Pick better value with 'binwidth'.



$(p_9 + p_{10} + p_{11}) / (p_{12} + p_{13} + p_{14})$

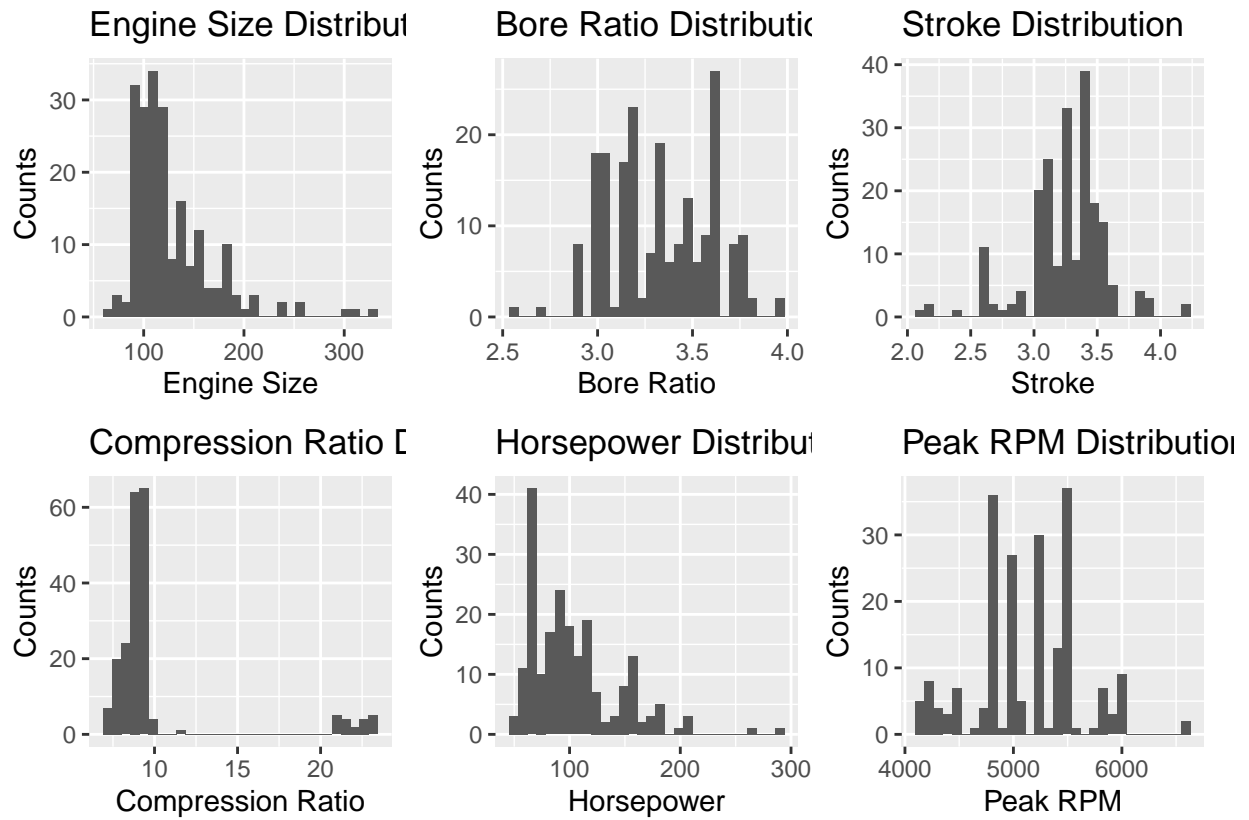
```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



(p15+p17+p18)/(p19+p20+p21)

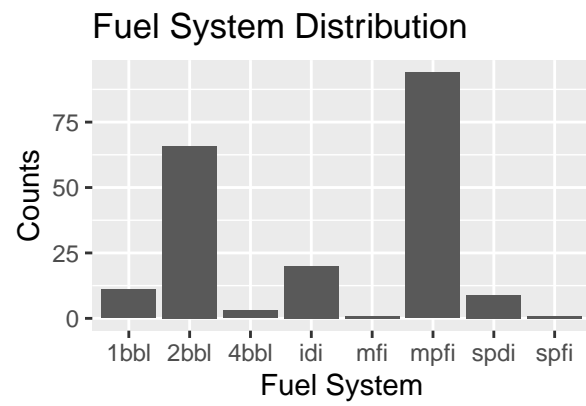
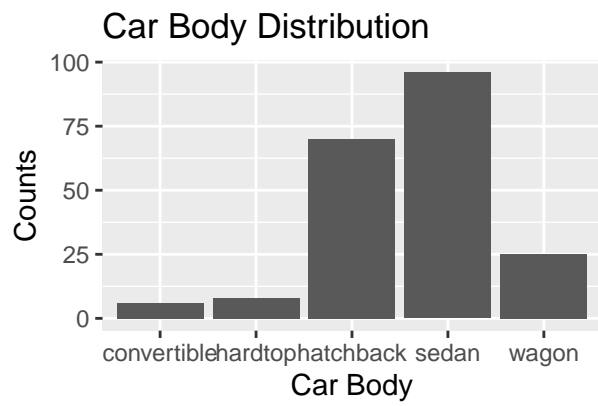
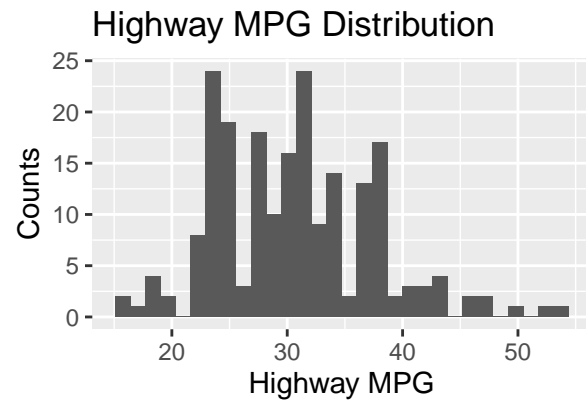
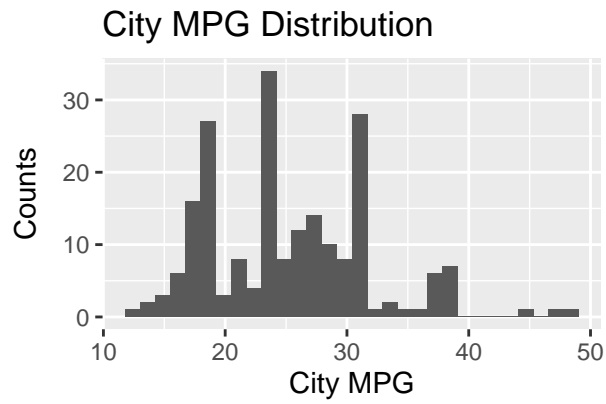
```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```





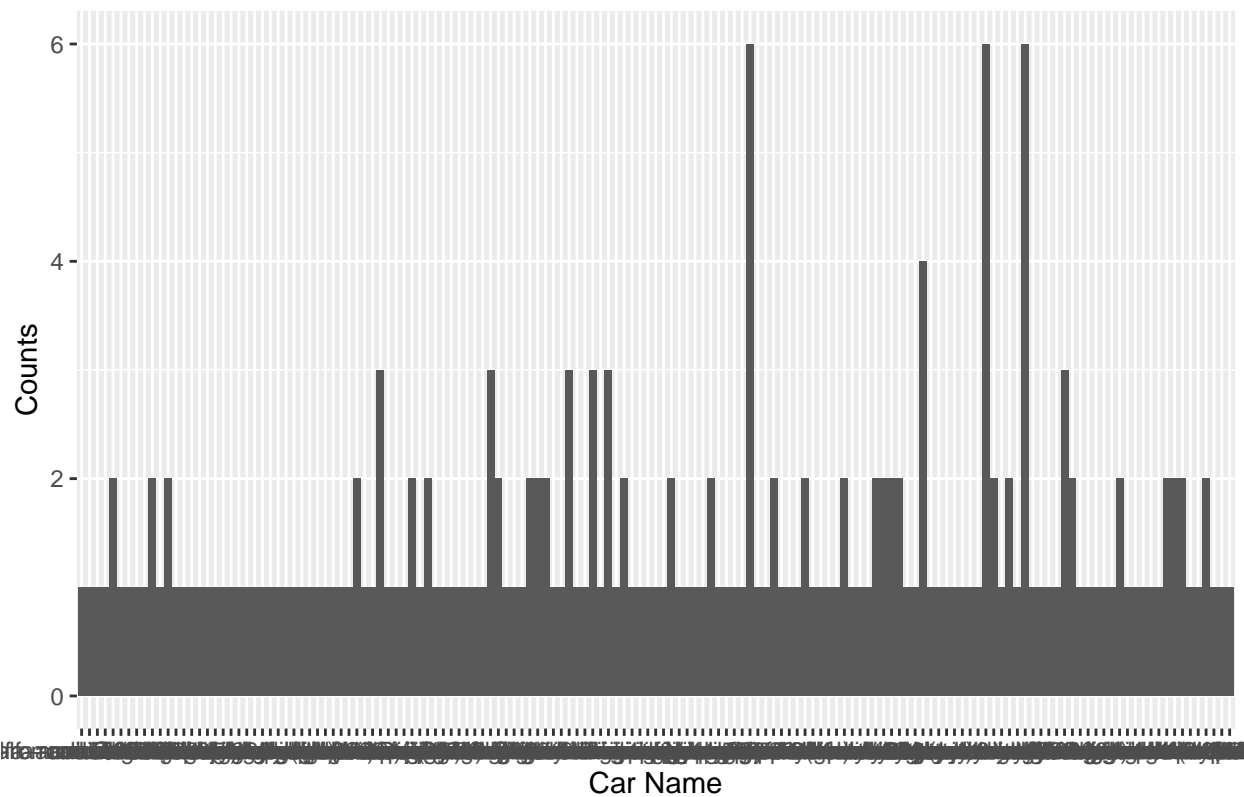
$(p_{22}+p_{23})/(p_6 + p_{16})$

```
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
## 'stat_bin()' using 'bins = 30'. Pick better value with 'binwidth'.
```



p7

# Car Name Distribution



```
b1 <- ggplot(data = car_data, aes(x = as.factor(symbolling), y = price)) +
  geom_boxplot() +
  labs(x = "Symbolling",
       y = "Price",
       title = "Price vs Symbolling")
```

```
b2 <- ggplot(data = car_data, aes(x = drivewheel, y = price)) +
  geom_boxplot() +
  labs(x = "Drive Wheel",
       y = "price",
       title = "Price vs Drive Wheel")
```

```
b3 <- ggplot(data = car_data, aes(x = fueltype, y = price)) +
  geom_boxplot() +
  labs(x = "Fuel Type",
       y = "Price",
       title = "Price vs Fuel Type")
```

```
b4 <- ggplot(data = car_data, aes(x = aspiration, y = price)) +
  geom_boxplot() +
  labs(x = "Aspiration",
       y = "Price",
       title = "Price vs Aspiration")
```

```
b5 <- ggplot(data = car_data, aes(x = doornumber, y = price)) +
  geom_boxplot() +
```

```

  labs(x = "Door Number",
       y = "Price",
       title = "Price vs Door Number")

b6 <- ggplot(data = car_data, aes(x = carbody, y = price)) +
  geom_boxplot() +
  labs(x = "Car Body",
       y = "Price",
       title = "Price vs Car Body")

b7 <- ggplot(data = car_data, aes(x = CarName, y = price)) +
  geom_boxplot() +
  labs(x = "Car Name",
       y = "Price",
       title = "Price vs Car Name")

b8 <- ggplot(data = car_data, aes(x = wheelbase, y = price)) +
  geom_point() +
  labs(x = "Wheelbase",
       y = "Price",
       title = "Price vs Wheelbase")

b9 <- ggplot(data = car_data, aes(x = carlength, y = price)) +
  geom_point() +
  labs(x = "Car Length",
       y = "Price",
       title = "Price vs Car Length")

b10 <- ggplot(data = car_data, aes(x = carwidth, y = price)) +
  geom_point() +
  labs(x = "Car Width",
       y = "Price",
       title = "Price vs Car Width")

b11 <- ggplot(data = car_data, aes(x = carheight, y = price)) +
  geom_point() +
  labs(x = "Car Height",
       y = "Price",
       title = "Price vs Car Height")

b12 <- ggplot(data = car_data, aes(x = curbweight, y = price)) +
  geom_point() +
  labs(x = "Curb Weight",
       y = "Price",
       title = "Price vs Curb Weight")

b13 <- ggplot(data = car_data, aes(x = enginetype, y = price)) +
  geom_boxplot() +
  labs(x = "Engine Type",
       y = "Price",
       title = "Price vs Engine Type")

b14 <- ggplot(data = car_data, aes(x = cylindernumber, y = price)) +

```

```

geom_boxplot() +
  labs(x = "Cylinder Number",
       y = "Price",
       title = "Price vs Cylinder Number")

b15 <- ggplot(data = car_data, aes(x = enginesize, y = price)) +
  geom_point() +
  labs(x = "Engine Size",
       y = "Price",
       title = "Price vs Engine Size")

b16 <- ggplot(data = car_data, aes(x = fuelsystem, y = price)) +
  geom_boxplot() +
  labs(x = "Fuel System",
       y = "Price",
       title = "Price vs Fuel System")

b17 <- ggplot(data = car_data, aes(x = boreratio, y = price)) +
  geom_point() +
  labs(x = "Bore Ratio",
       y = "Price",
       title = "Price vs Bore Ratio")

b18 <- ggplot(data = car_data, aes(x = stroke, y = price)) +
  geom_point() +
  labs(x = "Stroke",
       y = "Price",
       title = "Price vs Stroke")

b19 <- ggplot(data = car_data, aes(x = compressionratio, y = price)) +
  geom_point() +
  labs(x = "Compression Ratio",
       y = "Price",
       title = "Price vs Compression Ratio")

b20 <- ggplot(data = car_data, aes(x = horsepower, y = price)) +
  geom_point() +
  labs(x = "Horsepower",
       y = "Price",
       title = "Price vs Horsepower")

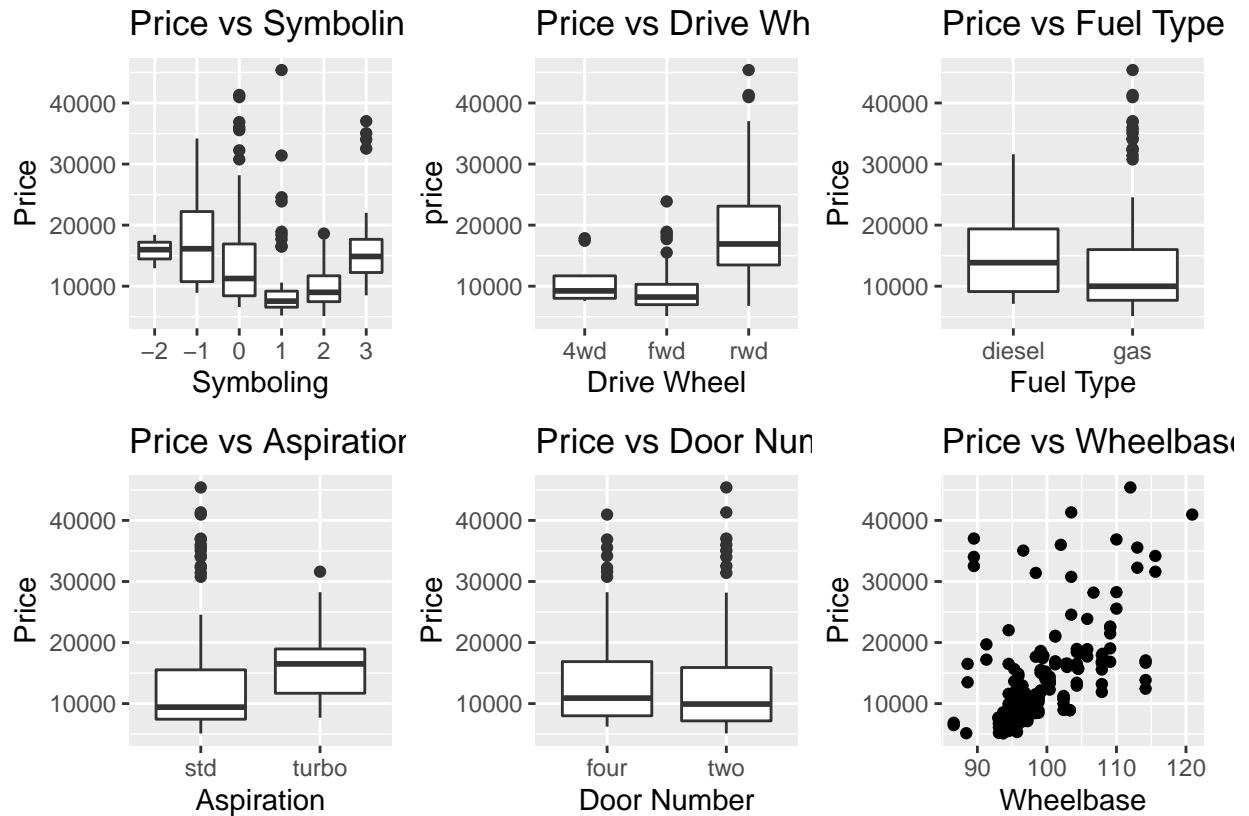
b21 <- ggplot(data = car_data, aes(x = peakrpm, y = price)) +
  geom_point() +
  labs(x = "Peak RPM",
       y = "Price",
       title = "Price vs Peak RPM")

b22 <- ggplot(data = car_data, aes(x = citympg, y = price)) +
  geom_point() +
  labs(x = "City MPG",
       y = "Price",
       title = "Price vs City MPG")

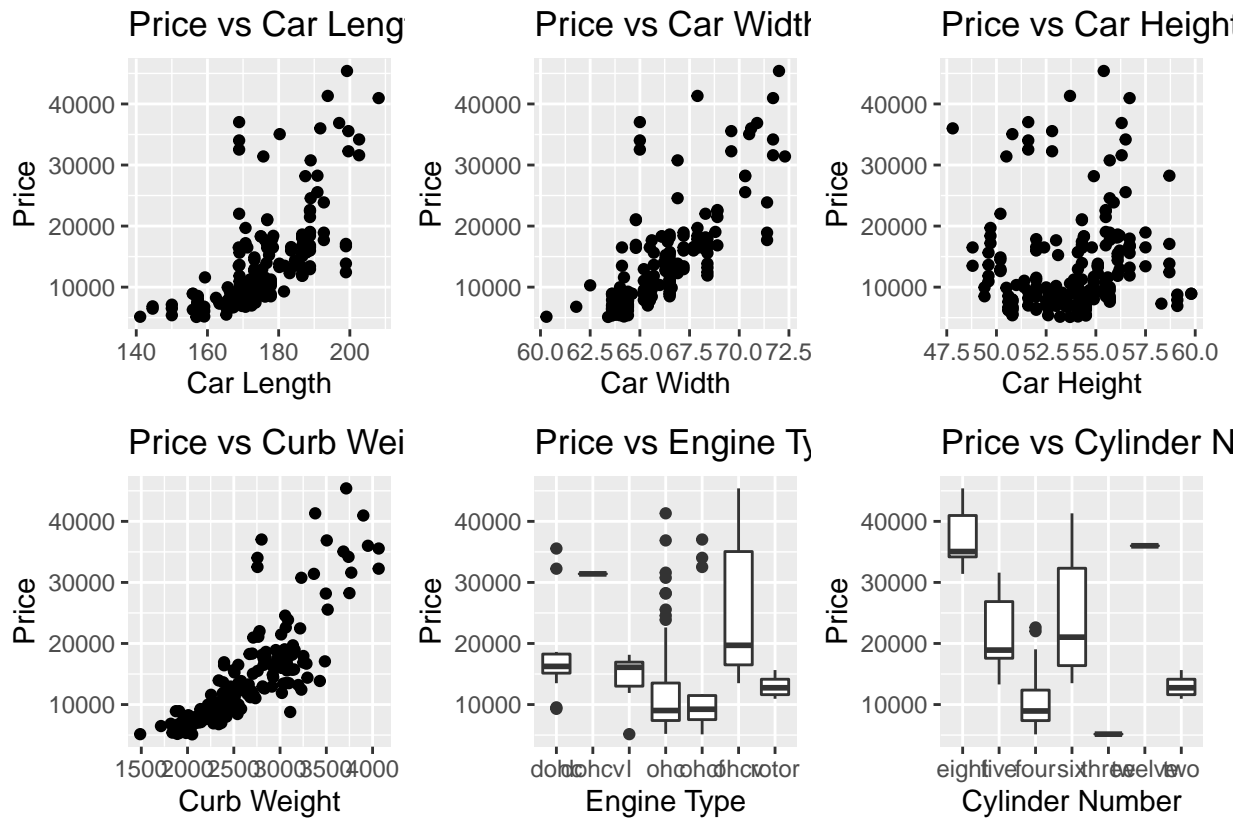
```

```
b23 <- ggplot(data = car_data, aes(x = highwaympg, y = price)) +
  geom_point() +
  labs(x = "Highway MPG",
       y = "Price",
       title = "Price vs Highway MPG")
```

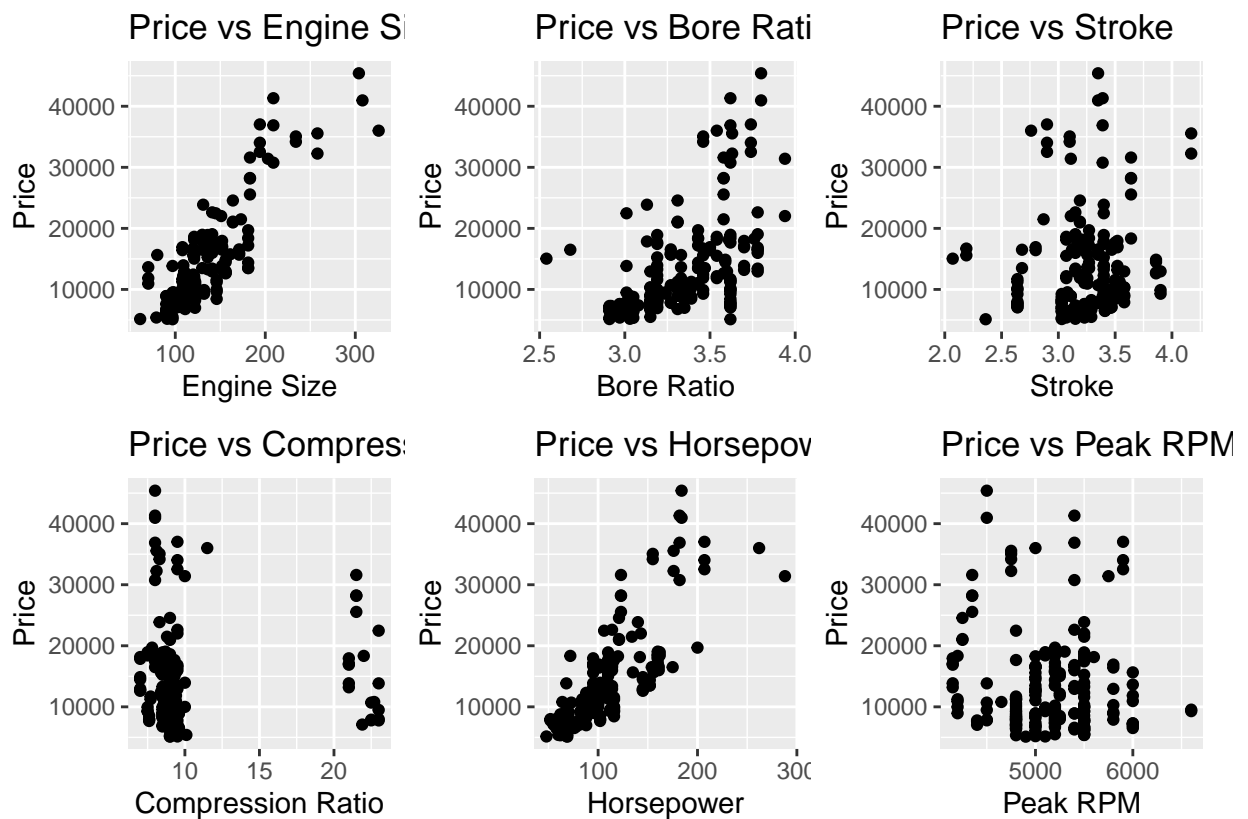
```
(b1+b2+b3)/(b4+b5+b8) # Wheelbase, symboling, drive wheel, aspiration
```



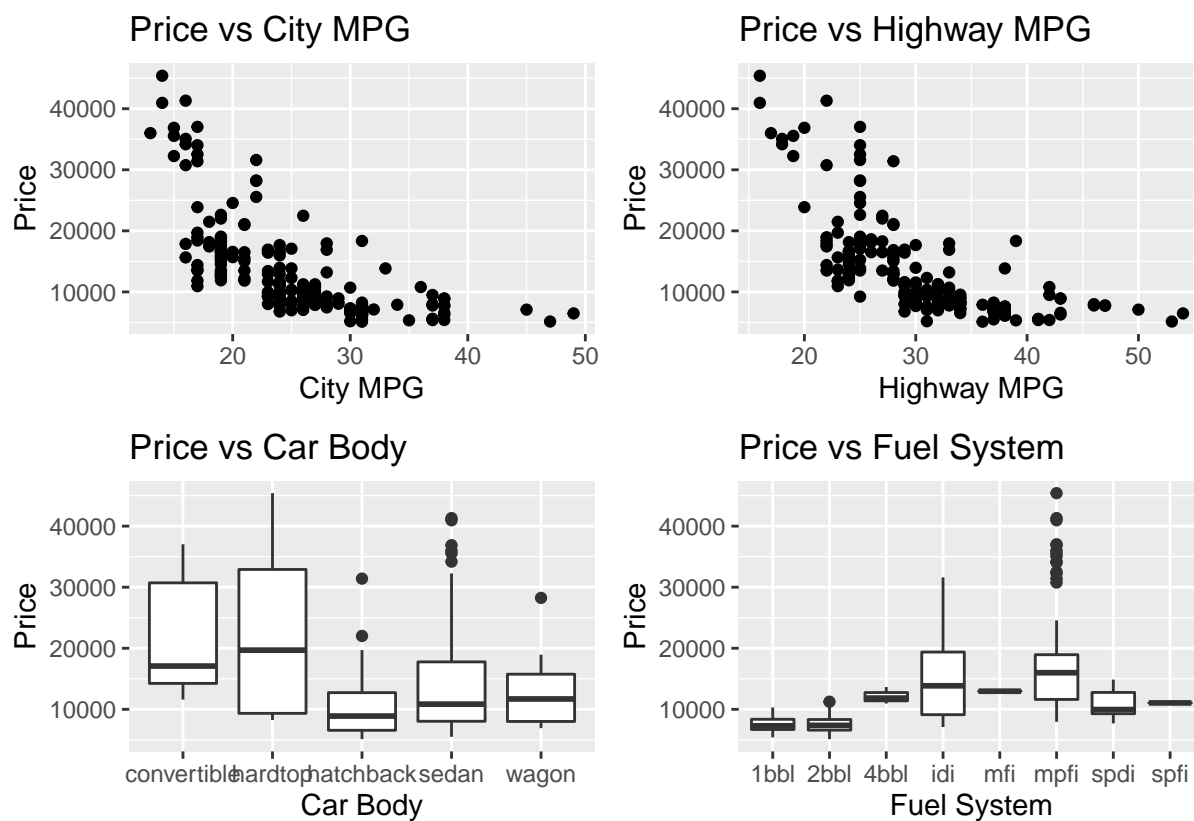
```
(b9+b10+b11)/(b12+b13+b14) # Cylinder num, curb weight, car length, car width
```



$(b15+b17+b18)/(b19+b20+b21)$  # Engine size, horsepower, bore ratio



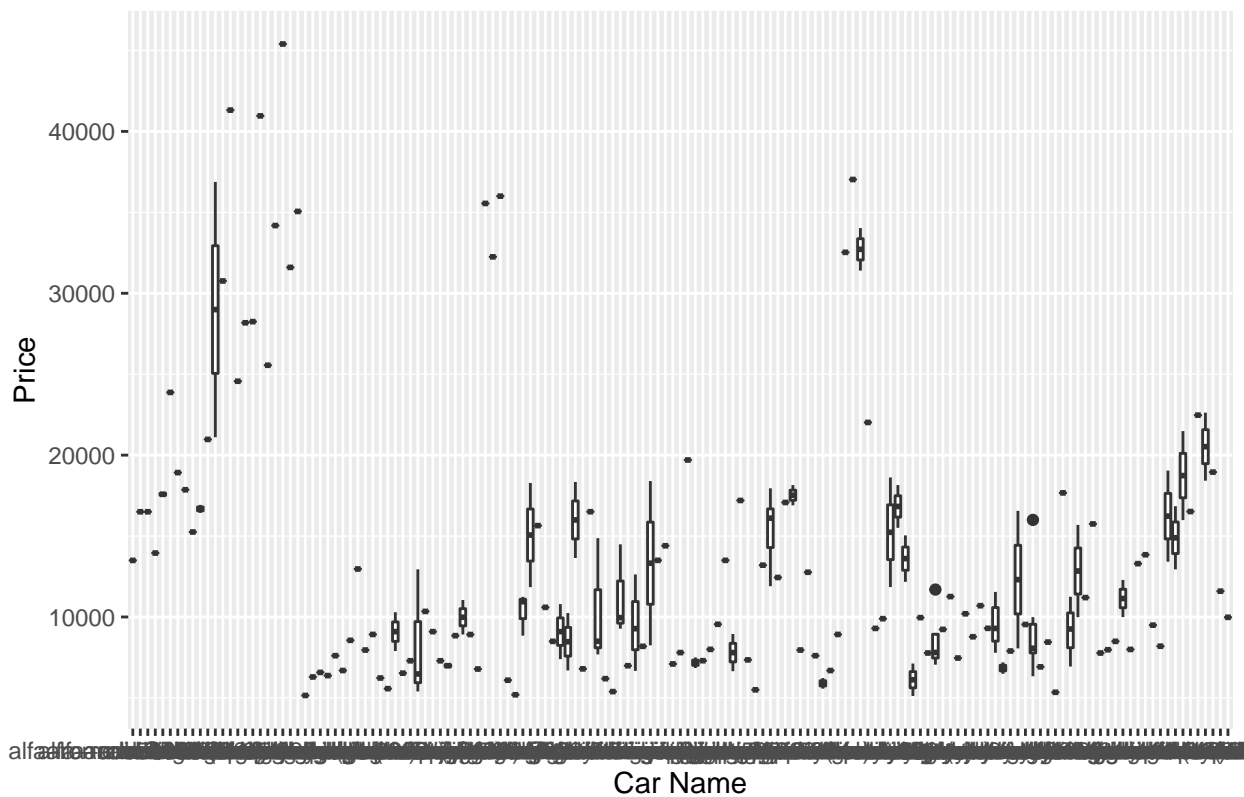
(b22+b23)/(b6 + b16) # fuel system, city mpg, highway mpg



b7



Price vs Car Name



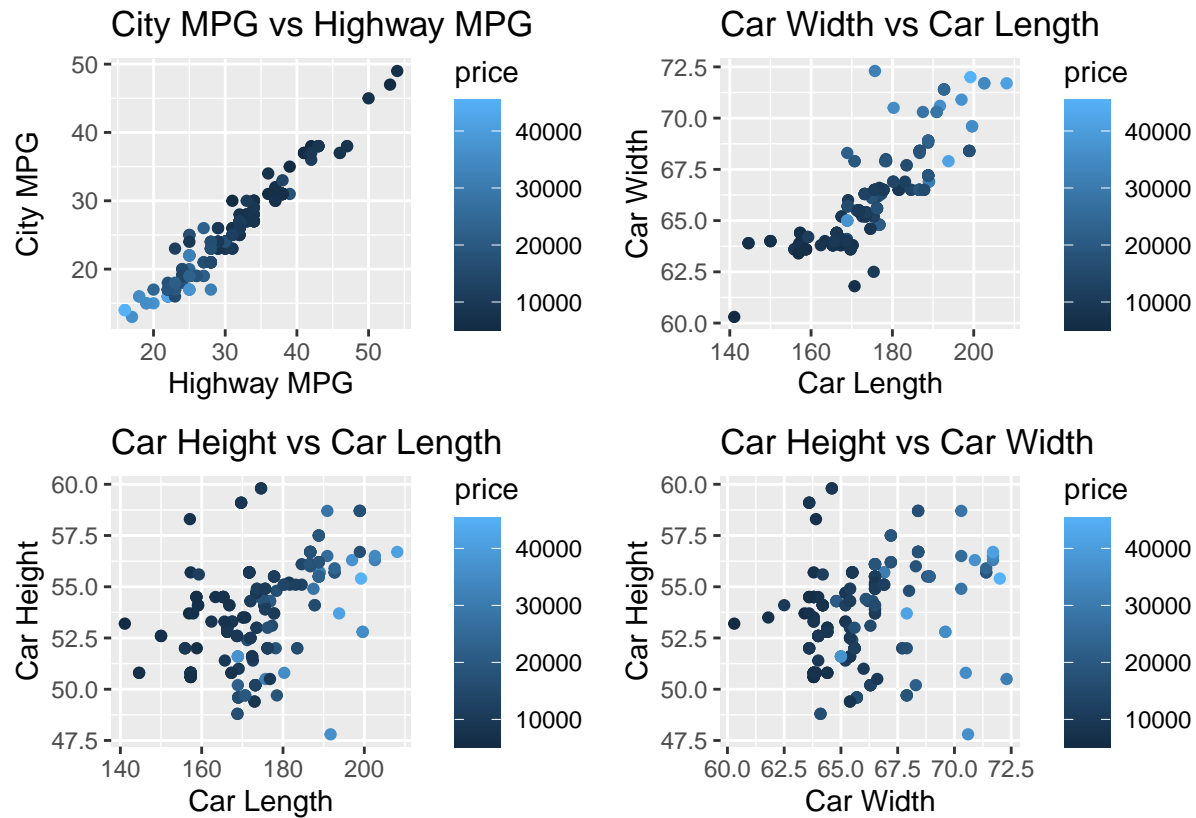
```
m1 <- ggplot(data = car_data, aes(x = highwaympg, y = citympg, color = price)) +
  geom_point() +
  labs(x = "Highway MPG",
       y = "City MPG",
       title = "City MPG vs Highway MPG")

m2 <- ggplot(data = car_data, aes(x = carlength, y = carwidth, color = price)) +
  geom_point() +
  labs(x = "Car Length",
       y = "Car Width",
       title = "Car Width vs Car Length")

m3 <- ggplot(data = car_data, aes(x = carlength, y = carheight, color = price)) +
  geom_point() +
  labs(x = "Car Length",
       y = "Car Height",
       title = "Car Height vs Car Length")

m4 <- ggplot(data = car_data, aes(x = carwidth, y = carheight, color = price)) +
  geom_point() +
  labs(x = "Car Width",
       y = "Car Height",
       title = "Car Height vs Car Width")

(m1+m2)/(m3+m4)
```



```
summary(car_data)
```

```
##      car_ID      symboling      CarName      fueltype
## Min.   : 1      Min.   : -2.0000      Length:205      Length:205
## 1st Qu.: 52      1st Qu.: 0.0000      Class :character  Class :character
## Median :103      Median : 1.0000      Mode  :character  Mode  :character
## Mean   :103      Mean   : 0.8341
## 3rd Qu.:154      3rd Qu.: 2.0000
## Max.   :205      Max.   : 3.0000
## aspiration      doornumber      carbody      drivewheel
## Length:205      Length:205      Length:205      Length:205
## Class :character  Class :character  Class :character  Class :character
## Mode  :character  Mode  :character  Mode  :character  Mode  :character
##
##
##
## enginelocation      wheelbase      carlength      carwidth
## Length:205          Min.   : 86.60      Min.   :141.1      Min.   :60.30
## Class :character    1st Qu.: 94.50      1st Qu.:166.3      1st Qu.:64.10
## Mode  :character    Median : 97.00      Median :173.2      Median :65.50
##                      Mean   : 98.76      Mean   :174.0      Mean   :65.91
##                      3rd Qu.:102.40      3rd Qu.:183.1      3rd Qu.:66.90
##                      Max.   :120.90      Max.   :208.1      Max.   :72.30
##
## carheight      curbweight      enginetype      cylindernumber
## Min.   :47.80      Min.   :1488      Length:205      Length:205
## 1st Qu.:52.00      1st Qu.:2145      Class :character  Class :character
## Median :54.10      Median :2414      Mode  :character  Mode  :character
```

```
## Mean :53.72 Mean :2556
## 3rd Qu.:55.50 3rd Qu.:2935
## Max. :59.80 Max. :4066
## enginesize fuelsystem boreratio stroke
## Min. : 61.0 Length:205 Min. :2.54 Min. :2.070
## 1st Qu.: 97.0 Class :character 1st Qu.:3.15 1st Qu.:3.110
## Median :120.0 Mode :character Median :3.31 Median :3.290
## Mean :126.9 Mean :3.33 Mean :3.255
## 3rd Qu.:141.0 3rd Qu.:3.58 3rd Qu.:3.410
## Max. :326.0 Max. :3.94 Max. :4.170
## compressionratio horsepower peakrpm citympg
## Min. : 7.00 Min. : 48.0 Min. :4150 Min. :13.00
## 1st Qu.: 8.60 1st Qu.: 70.0 1st Qu.:4800 1st Qu.:19.00
## Median : 9.00 Median : 95.0 Median :5200 Median :24.00
## Mean :10.14 Mean :104.1 Mean :5125 Mean :25.22
## 3rd Qu.: 9.40 3rd Qu.:116.0 3rd Qu.:5500 3rd Qu.:30.00
## Max. :23.00 Max. :288.0 Max. :6600 Max. :49.00
## highwaympg price
## Min. :16.00 Min. : 5118
## 1st Qu.:25.00 1st Qu.: 7788
## Median :30.00 Median :10295
## Mean :30.75 Mean :13277
## 3rd Qu.:34.00 3rd Qu.:16503
## Max. :54.00 Max. :45400
```

```
library(MuMIn)
```

```
## Warning: package 'MuMIn' was built under R version 4.1.2
```

```
full.model <- lm(price ~ symboling+CarName+fueltype+aspiration+doornumber+carbody+drivewheel+engineloca
# +doornumber+carbody+drivewheel+engineLocation+wheelbase+carlength+carwidth+carheight+curbweight+engin
dredge(full.model)
```

```
## Fixed term is "(Intercept)"
```

```
## Global model call: lm(formula = price ~ symboling + CarName + fueltype + aspiration +
## doornumber + carbody + drivewheel + engineLocation + wheelbase +
## carlength + carwidth + carheight + curbweight + enginetype +
## cylindernumber, data = car_data, na.action = "na.fail")
## ---
## Model selection table
## (Intrc) asprt crbdy crhgh crlng CarNm crwdt crbwg
## 4067 -3.533e+04 + -5.586e+01 6.939e+02 7.522
## 3811 -3.196e+04 + 6.641e+02 7.359
## 3812 -3.113e+04 + + 6.795e+02 6.860
## 3819 -3.307e+04 + -4.917e+01 7.886e+02 8.194
## 4068 -3.429e+04 + + 7.041e+02 7.078
## 4075 -3.605e+04 + -4.917e+01 8.012e+02 8.244
## 7908 -3.196e+04 + + 6.751e+02 6.886
## 12003 -3.299e+04 + 6.707e+02 7.367
## 8163 -3.592e+04 + 6.884e+02 7.620
## 7907 -3.261e+04 + 6.588e+02 7.463
```

## 8164	-3.490e+04	+	+		6.988e+02	7.091
## 4071	-3.764e+04		+	5.592e+01	6.853e+02	7.473
## 7915	-3.407e+04		+	-6.339e+01	7.983e+02	8.443
## 3820	-3.214e+04	+	+	-4.223e+01	7.702e+02	7.600
## 20451	-3.573e+04		+		6.699e+02	7.437
## 12259	-3.538e+04		+		6.936e+02	7.513
## 12004	-3.211e+04	+	+		6.852e+02	6.882
## 8171	-3.693e+04		+	-5.647e+01	8.101e+02	8.479
## 12011	-3.401e+04		+	-5.452e+01	7.918e+02	8.181
## 3815	-3.331e+04		+	3.458e+01	6.581e+02	7.326
## 20195	-3.188e+04		+		6.722e+02	7.389
## 3555	-3.652e+04		+		6.971e+02	8.442
## 4079	-4.044e+04		+	1.019e+02 -6.120e+01	8.119e+02	8.333
## 4076	-3.508e+04	+	+	-3.798e+01	7.848e+02	7.735
## 3823	-3.662e+04		+	8.574e+01 -6.629e+01	7.970e+02	8.267
## 7916	-3.316e+04	+	+	-4.744e+01	7.767e+02	7.718
## 3816	-3.341e+04	+	+	5.995e+01	6.701e+02	6.769
## 20459	-3.731e+04		+	-6.070e+01	7.606e+02	8.181
## 4072	-3.734e+04	+	+	7.626e+01	6.934e+02	6.973
## 20203	-3.359e+04		+	-6.255e+01	7.656e+02	8.157
## 20196	-3.122e+04	+	+		6.694e+02	6.817
## 20452	-3.485e+04	+	+		6.676e+02	6.926
## 7912	-3.547e+04	+	+	8.959e+01	6.605e+02	6.752
## 16100	-3.277e+04	+	+		6.803e+02	6.903
## 12260	-3.433e+04	+	+		7.039e+02	7.067
## 12267	-3.610e+04		+	-4.929e+01	8.012e+02	8.237
## 8172	-3.584e+04	+	+	-4.311e+01	7.899e+02	7.837
## 8168	-3.916e+04	+	+	1.039e+02	6.834e+02	6.949
## 16099	-3.352e+04		+		6.654e+02	7.462
## 7919	-3.891e+04		+	1.125e+02 -7.848e+01	8.112e+02	8.585
## 8175	-4.262e+04		+	1.277e+02 -7.316e+01	8.255e+02	8.642
## 3563	-3.762e+04		+	-4.687e+01	8.097e+02	9.079
## 7920	-3.893e+04	+	+	1.364e+02 -6.381e+01	7.897e+02	7.803
## 8167	-3.878e+04		+	6.770e+01	6.775e+02	7.572
## 12007	-3.568e+04		+	6.453e+01	6.606e+02	7.306
## 24292	-3.218e+04	+	+		6.537e+02	6.793
## 12015	-3.927e+04		+	1.196e+02 -6.864e+01	8.046e+02	8.279
## 3824	-3.603e+04	+	+	9.527e+01 -5.294e+01	7.784e+02	7.642
## 12012	-3.308e+04	+	+	-4.135e+01	7.739e+02	7.605
## 28395	-3.609e+04		+	-7.231e+01	7.299e+02	8.068
## 16107	-3.487e+04		+	-6.171e+01	8.007e+02	8.417
## 28387	-3.364e+04		+		6.325e+02	7.224
## 24547	-3.638e+04		+		6.614e+02	7.526
## 24548	-3.564e+04	+	+		6.527e+02	6.900
## 12008	-3.576e+04	+	+	8.970e+01	6.726e+02	6.750
## 16355	-3.595e+04		+		6.883e+02	7.612
## 4080	-3.970e+04	+	+	1.091e+02 -5.000e+01	7.950e+02	7.791
## 24555	-3.849e+04		+	-7.066e+01	7.636e+02	8.428
## 7911	-3.447e+04		+	4.647e+01	6.503e+02	7.425
## 19939	-3.740e+04		+		6.196e+02	8.156
## 8176	-4.227e+04	+	+	1.476e+02 -6.053e+01	8.048e+02	7.936
## 24299	-3.482e+04		+	-7.269e+01	7.686e+02	8.409
## 19947	-3.956e+04		+	-6.806e+01	7.331e+02	8.896
## 3556	-3.585e+04	+	+		7.032e+02	8.190

## 24291	-3.256e+04		+			6.635e+02	7.480
## 12263	-3.808e+04		+	6.487e+01		6.835e+02	7.451
## 16356	-3.493e+04	+	+			6.986e+02	7.083
## 7651	-3.730e+04		+			6.972e+02	8.509
## 20204	-3.271e+04	+	+		-4.948e+01	7.439e+02	7.544
## 28388	-3.305e+04	+	+			6.279e+02	6.630
## 20455	-3.761e+04		+	5.328e+01		6.813e+02	7.460
## 20460	-3.636e+04	+	+		-4.963e+01	7.423e+02	7.656
## 28643	-3.607e+04		+			6.537e+02	7.364
## 16108	-3.392e+04	+	+		-4.643e+01	7.795e+02	7.717
## 11747	-3.645e+04		+			6.997e+02	8.404
## 16104	-3.764e+04	+	+	1.169e+02		6.631e+02	6.735
## 24300	-3.405e+04	+	+		-5.818e+01	7.394e+02	7.646
## 3299	-3.188e+04		+			6.512e+02	8.393
## 20199	-3.367e+04		+	5.104e+01		6.831e+02	7.411
## 12271	-4.112e+04		+	1.154e+02	-6.305e+01	8.133e+02	8.329
## 16363	-3.695e+04		+		-5.648e+01	8.100e+02	8.471
## 3559	-3.775e+04		+	2.760e+01		6.948e+02	8.416
## 20463	-4.033e+04		+	8.200e+01	-6.571e+01	7.857e+02	8.278
## 16111	-4.142e+04		+	1.447e+02	-8.046e+01	8.182e+02	8.588
## 28651	-3.807e+04		+		-6.659e+01	7.412e+02	8.126
## 12268	-3.512e+04	+	+		-3.806e+01	7.847e+02	7.725
## 24556	-3.749e+04	+	+		-5.796e+01	7.381e+02	7.749
## 20207	-3.655e+04		+	8.058e+01	-6.748e+01	7.903e+02	8.252
## 16112	-4.135e+04	+	+	1.670e+02	-6.598e+01	7.968e+02	7.820
## 12016	-3.864e+04	+	+	1.284e+02	-5.548e+01	7.862e+02	7.664
## 12264	-3.787e+04	+	+	8.732e+01		6.914e+02	6.937
## 20200	-3.361e+04	+	+	6.899e+01		6.841e+02	6.822
## 32491	-3.725e+04		+		-8.206e+01	7.335e+02	8.316
## 7659	-3.875e+04		+		-5.310e+01	8.248e+02	9.248
## 32484	-3.387e+04	+	+			6.149e+02	6.618
## 28396	-3.520e+04	+	+		-5.933e+01	7.089e+02	7.465
## 20456	-3.724e+04	+	+	6.909e+01		6.823e+02	6.932
## 3307	-3.351e+04		+		-5.622e+01	7.894e+02	9.160
## 28644	-3.526e+04	+	+			6.471e+02	6.818
## 24043	-4.109e+04		+		-7.750e+01	7.436e+02	9.079
## 16103	-3.671e+04		+	7.502e+01		6.531e+02	7.401
## 24296	-3.565e+04	+	+	9.749e+01		6.728e+02	6.799
## 7652	-3.669e+04	+	+			7.059e+02	8.180
## 19940	-3.674e+04	+	+			6.144e+02	7.808
## 32492	-3.644e+04	+	+		-6.758e+01	7.054e+02	7.567
## 3567	-4.069e+04		+	6.546e+01	-5.409e+01	8.216e+02	9.115
## 28399	-3.954e+04		+	9.124e+01	-7.827e+01	7.564e+02	8.173
## 16360	-3.963e+04	+	+	1.139e+02		6.816e+02	6.916
## 32483	-3.421e+04		+			6.259e+02	7.316
## 11755	-3.754e+04		+		-4.654e+01	8.114e+02	9.038
## 3564	-3.704e+04	+	+		-4.082e+01	7.991e+02	8.833
## 16367	-4.324e+04		+	1.403e+02	-7.482e+01	8.267e+02	8.636
## 24559	-4.253e+04		+	1.058e+02	-7.840e+01	7.963e+02	8.585
## 16364	-3.587e+04	+	+		-4.312e+01	7.898e+02	7.829
## 24035	-3.828e+04		+			6.158e+02	8.213
## 24552	-3.905e+04	+	+	9.632e+01		6.716e+02	6.906
## 24303	-3.881e+04		+	1.048e+02	-8.035e+01	8.010e+02	8.565
## 16359	-3.916e+04		+	7.562e+01		6.760e+02	7.550

## 3300	-3.125e+04	+	+		6.614e+02	8.070
## 28391	-3.562e+04		+	5.562e+01	6.438e+02	7.246
## 24304	-3.880e+04	+	+	1.262e+02 -6.623e+01	7.760e+02	7.772
## 24551	-3.876e+04		+	6.587e+01	6.747e+02	7.563
## 32747	-3.921e+04		+	-7.631e+01	7.446e+02	8.372
## 20208	-3.594e+04	+	+	8.903e+01 -5.435e+01	7.702e+02	7.623
## 12272	-4.041e+04	+	+	1.236e+02 -5.178e+01	7.961e+02	7.777
## 32740	-3.600e+04	+	+		6.340e+02	6.801
## 32739	-3.667e+04		+		6.472e+02	7.459
## 19948	-3.893e+04	+	+	-6.153e+01	7.190e+02	8.606
## 11748	-3.576e+04	+	+		7.059e+02	8.146
## 15843	-3.726e+04		+		7.000e+02	8.471
## 20464	-3.959e+04	+	+	8.919e+01 -5.452e+01	7.687e+02	7.735
## 28392	-3.566e+04	+	+	7.430e+01	6.427e+02	6.632
## 24295	-3.484e+04		+	6.378e+01	6.765e+02	7.515
## 16368	-4.294e+04	+	+	1.614e+02 -6.220e+01	8.059e+02	7.922
## 7395	-3.275e+04		+		6.517e+02	8.465
## 28652	-3.712e+04	+	+	-5.552e+01	7.216e+02	7.586
## 24560	-4.218e+04	+	+	1.249e+02 -6.593e+01	7.744e+02	7.873
## 28131	-3.731e+04		+		6.265e+02	8.168
## 19943	-3.685e+04		+	-1.379e+01	6.159e+02	8.151
## 3560	-3.755e+04	+	+	3.949e+01	7.003e+02	8.136
## 7655	-3.900e+04		+	3.731e+01	6.941e+02	8.478
## 28139	-3.976e+04		+	-6.995e+01	7.261e+02	8.899
## 19951	-4.015e+04		+	1.384e+01 -6.888e+01	7.382e+02	8.910
## 28647	-3.802e+04		+	5.499e+01	6.648e+02	7.385
## 7403	-3.481e+04		+	-6.278e+01	8.061e+02	9.342
## 19691	-3.460e+04		+	-7.244e+01	7.318e+02	9.033
## 32495	-4.176e+04		+	1.151e+02 -9.092e+01	7.674e+02	8.482
## 24036	-3.779e+04	+	+		6.066e+02	7.750
## 28655	-4.136e+04		+	8.802e+01 -7.242e+01	7.666e+02	8.226
## 3779	5.128e+03		+			9.711
## 19683	-3.215e+04		+		6.107e+02	8.248
## 11491	-3.228e+04		+		6.528e+02	8.423
## 11751	-3.721e+04		+	1.708e+01	6.981e+02	8.390
## 32496	-4.170e+04	+	+	1.362e+02 -7.680e+01	7.431e+02	7.699
## 32488	-3.754e+04	+	+	1.017e+02	6.338e+02	6.619
## 7660	-3.806e+04	+	+	-4.455e+01	8.109e+02	8.881
## 7663	-4.290e+04		+	8.518e+01 -6.335e+01	8.424e+02	9.319
## 32748	-3.824e+04	+	+	-6.372e+01	7.177e+02	7.680
## 3303	-3.174e+04		+	-3.421e+00	6.516e+02	8.396
## 28400	-3.892e+04	+	+	9.952e+01 -6.520e+01	7.368e+02	7.551
## 24044	-4.041e+04	+	+	-6.877e+01	7.222e+02	8.633
## 7396	-3.233e+04	+	+		6.658e+02	8.063
## 15851	-3.870e+04		+	-5.295e+01	8.272e+02	9.208
## 3308	-3.284e+04	+	+	-4.790e+01	7.757e+02	8.830
## 4035	3.698e+03		+			9.935
## 28648	-3.777e+04	+	+	7.181e+01	6.613e+02	6.818
## 3311	-3.534e+04		+	4.064e+01 -6.088e+01	7.964e+02	9.184
## 11499	-3.385e+04		+	-5.578e+01	7.897e+02	9.182
## 15844	-3.663e+04	+	+		7.092e+02	8.130
## 7656	-3.935e+04	+	+	5.962e+01	7.018e+02	8.098
## 3780	6.625e+03	+	+			9.318
## 3568	-4.023e+04	+	+	6.897e+01 -4.795e+01	8.108e+02	8.852

## 24047	-4.250e+04		+	3.207e+01	-7.972e+01	7.557e+02	9.117
## 32751	-4.355e+04		+	1.117e+02	-8.501e+01	7.774e+02	8.533
## 20419	-4.387e+03		+				9.155
## 32235	-4.129e+04		+		-7.938e+01	7.366e+02	9.082
## 23787	-3.624e+04		+		-8.220e+01	7.427e+02	9.222
## 32487	-3.666e+04		+	6.748e+01		6.390e+02	7.350
## 11756	-3.694e+04	+	+		-4.030e+01	8.005e+02	8.783
## 11759	-4.018e+04		+	5.605e+01	-5.279e+01	8.212e+02	9.078
## 19684	-3.155e+04	+	+			6.049e+02	7.830
## 28132	-3.668e+04	+	+			6.188e+02	7.817
## 19944	-3.653e+04	+	+	-5.203e+00		6.131e+02	7.808
## 27883	-3.642e+04		+		-8.098e+01	6.975e+02	9.025
## 20163	-3.888e+02		+				9.113
## 32744	-3.953e+04	+	+	9.864e+01		6.520e+02	6.799
## 7404	-3.413e+04	+	+		-5.176e+01	7.896e+02	8.883
## 32227	-3.817e+04		+			6.244e+02	8.228
## 24039	-3.810e+04		+	-4.270e+00		6.147e+02	8.212
## 11492	-3.159e+04	+	+			6.625e+02	8.102
## 3809	-3.483e+04					7.067e+02	6.826
## 28656	-4.065e+04	+	+	9.569e+01	-6.124e+01	7.482e+02	7.666
## 7875	4.074e+03		+				9.806
## 3304	-3.176e+04	+	+	1.256e+01		6.602e+02	8.052
## 32752	-4.326e+04	+	+	1.316e+02	-7.276e+01	7.537e+02	7.803
## 7876	5.506e+03	+	+				9.328
## 28355	-5.605e+03		+				8.729
## 32743	-3.911e+04		+	6.713e+01		6.602e+02	7.493
## 11971	4.543e+03		+				9.739
## 23779	-3.307e+04		+			6.068e+02	8.307
## 19692	-3.391e+04	+	+		-6.400e+01	7.138e+02	8.659
## 20164	1.494e+02	+	+				8.523
## 3810	-3.323e+04	+				7.055e+02	6.421
## 15587	-3.307e+04		+			6.531e+02	8.489
## 11752	-3.702e+04	+	+	2.903e+01		7.035e+02	8.111
## 15847	-3.846e+04		+	2.635e+01		6.976e+02	8.452
## 7664	-4.266e+04	+	+	9.618e+01	-5.505e+01	8.289e+02	8.915
## 4036	5.139e+03	+	+				9.573
## 27875	-3.319e+04		+			5.775e+02	8.179
## 28140	-3.913e+04	+	+		-6.343e+01	7.119e+02	8.609
## 19952	-3.963e+04	+	+	1.676e+01	-6.245e+01	7.250e+02	8.619
## 20420	-3.603e+03	+	+				8.629
## 7399	-3.303e+04		+	6.505e+00		6.510e+02	8.459
## 7407	-3.770e+04		+	6.143e+01	-7.044e+01	8.183e+02	9.396
## 28356	-5.206e+03	+	+				8.109
## 3783	2.123e+03		+	6.175e+01			9.613
## 28135	-3.675e+04		+	-1.396e+01		6.228e+02	8.163
## 3817	-3.574e+04				-4.810e+01	8.134e+02	7.642
## 23780	-3.279e+04	+	+			5.966e+02	7.767
## 15595	-3.506e+04		+		-6.230e+01	8.060e+02	9.356
## 19907	-8.023e+03		+				9.495
## 24260	-1.732e+03	+	+				8.453
## 8131	2.684e+03		+				10.030
## 28143	-4.039e+04		+	1.490e+01	-7.089e+01	7.313e+02	8.914
## 15852	-3.798e+04	+	+		-4.408e+01	8.129e+02	8.826
## 12001	-3.608e+04					7.160e+02	6.930

## 19695	-3.461e+04		+	2.083e-01	-7.245e+01	7.319e+02	9.033
## 23788	-3.562e+04	+	+		-7.165e+01	7.174e+02	8.687
## 19687	-3.100e+04		+	-2.923e+01		6.029e+02	8.237
## 3787	5.109e+03		+		1.809e-01		9.707
## 32228	-3.772e+04	+	+			6.124e+02	7.762
## 24040	-3.834e+04	+	+	1.330e+01		6.100e+02	7.751
## 4039	-3.487e+02		+	8.112e+01			9.822
## 11495	-3.258e+04		+	6.916e+00		6.521e+02	8.418
## 31979	-3.802e+04		+		-9.058e+01	7.086e+02	9.213
## 15855	-4.238e+04		+	7.532e+01	-6.205e+01	8.422e+02	9.281
## 24516	-5.258e+03	+	+				8.558
## 24048	-4.222e+04	+	+	4.178e+01	-7.137e+01	7.373e+02	8.668
## 32452	-6.733e+03	+	+				8.062
## 24515	-5.615e+03		+				9.234
## 7400	-3.380e+04	+	+	3.465e+01		6.626e+02	8.013
## 15588	-3.256e+04	+	+			6.665e+02	8.085
## 28611	-6.897e+03		+				8.894
## 32236	-4.060e+04	+	+		-7.065e+01	7.152e+02	8.636
## 3312	-3.487e+04	+	+	4.578e+01	-5.278e+01	7.830e+02	8.842
## 3784	2.626e+03	+	+	8.554e+01			9.140
## 11500	-3.317e+04	+	+		-4.774e+01	7.764e+02	8.858
## 11972	6.035e+03	+	+				9.356
## 8132	4.172e+03	+	+				9.566
## 24259	-1.652e+03		+				9.193
## 12227	3.635e+03		+				9.924
## 4043	2.924e+03		+		7.159e+00		9.775
## 11503	-3.635e+04		+	5.312e+01	-6.173e+01	7.990e+02	9.220
## 12002	-3.447e+04	+				7.138e+02	6.547
## 7880	-1.244e+02	+	+	1.168e+02			9.086
## 4065	-3.619e+04					7.170e+02	6.991
## 15848	-3.880e+04	+	+	4.854e+01		7.054e+02	8.071
## 27876	-3.262e+04	+	+			5.705e+02	7.753
## 3788	5.155e+03	+	+		1.543e+01		8.928
## 20193	-3.442e+04					7.729e+02	7.076
## 20427	-3.457e+03		+		-2.122e+01		9.497
## 27884	-3.572e+04	+	+		-7.269e+01	6.807e+02	8.665
## 11760	-3.971e+04	+	+	5.941e+01	-4.656e+01	8.103e+02	8.811
## 3818	-3.423e+04	+			-3.463e+01	7.825e+02	7.095
## 28363	-4.633e+03		+		-3.764e+01		9.289
## 32451	-6.574e+03		+				8.815
## 7408	-3.762e+04	+	+	7.555e+01	-6.024e+01	8.032e+02	8.910
## 16067	3.592e+03		+				9.826
## 20423	-4.751e+03		+	1.444e+01			9.169
## 32239	-4.276e+04		+	3.317e+01	-8.179e+01	7.486e+02	9.122
## 11975	-3.651e+01		+	9.086e+01			9.602
## 23791	-3.705e+04		+	1.895e+01	-8.352e+01	7.498e+02	9.245
## 7906	-3.381e+04	+				7.024e+02	6.454
## 20171	5.848e+02		+		-2.285e+01		9.481
## 28612	-6.354e+03	+	+				8.306
## 4040	3.341e+02	+	+	1.002e+02			9.384
## 7879	3.181e+02		+	7.502e+01			9.696
## 3813	-3.253e+04			-5.211e+01		7.098e+02	6.953
## 19688	-3.083e+04	+	+	-1.852e+01		6.000e+02	7.828
## 16068	5.049e+03	+	+				9.360



## 19908	-7.569e+03	+	+			9.110
## 7905	-3.522e+04				7.055e+02	6.872
## 28136	-3.647e+04	+	+	-5.350e+00	6.174e+02	7.817
## 12009	-3.648e+04			-3.750e+01	7.968e+02	7.540
## 4066	-3.437e+04	+			7.130e+02	6.579
## 20167	-6.901e+02		+	1.207e+01		9.125
## 31971	-3.403e+04		+		5.754e+02	8.239
## 27887	-3.674e+04		+	7.582e+00	-8.146e+01	7.001e+02
## 15596	-3.433e+04	+	+		-5.159e+01	7.899e+02
## 31980	-3.736e+04	+	+		-8.006e+01	6.850e+02
## 20194	-3.304e+04	+			7.527e+02	6.626
## 11496	-3.254e+04	+	+	2.194e+01	6.606e+02	8.075
## 32231	-3.799e+04		+	-4.393e+00	6.233e+02	8.227
## 24003	-9.155e+03		+			9.548
## 8136	-2.212e+03	+	+	1.297e+02		9.321
## 8135	-2.154e+03		+	9.438e+01		9.905
## 7883	4.650e+03		+		-5.783e+00	9.940
## 7884	4.483e+03	+	+		1.093e+01	9.052
## 28359	-6.185e+03		+	2.181e+01		8.748
## 3814	-3.231e+04	+		-2.230e+01	7.068e+02	6.491
## 11979	4.368e+03		+		1.661e+00	9.701
## 4044	3.155e+03	+	+		2.021e+01	9.072
## 3523	4.114e+03		+			10.700
## 23783	-3.228e+04		+	-1.957e+01	6.017e+02	8.298
## 31972	-3.377e+04	+	+		5.645e+02	7.697
## 32708	-7.818e+03	+	+			8.253
## 11976	4.766e+02	+	+	1.144e+02		9.130
## 20168	-5.861e+02	+	+	2.986e+01		8.542
## 15856	-4.211e+04	+	+	8.596e+01	-5.359e+01	8.285e+02
## 20172	4.711e+02	+	+		-7.968e+00	8.671
## 7913	-3.628e+04				-4.979e+01	8.155e+02
## 28364	-4.650e+03	+	+		-2.290e+01	8.505
## 19696	-3.409e+04	+	+	4.201e+00	-6.423e+01	7.153e+02
## 15599	-3.861e+04		+	7.275e+01	-7.112e+01	8.204e+02
## 15591	-3.378e+04		+	1.589e+01		6.515e+02
## 27879	-3.213e+04		+	-2.673e+01		5.707e+02
## 12228	5.077e+03	+	+			9.560
## 19915	-6.893e+03		+		-2.383e+01	9.840
## 4073	-3.628e+04				-4.079e+01	8.023e+02
## 19911	-6.424e+03		+	-5.769e+01		9.442
## 20424	-4.344e+03	+	+	3.007e+01		8.648
## 28099	-9.523e+03		+			9.400
## 28360	-6.276e+03	+	+	4.065e+01		8.129
## 20428	-3.273e+03	+	+		-8.214e+00	8.782
## 28144	-3.988e+04	+	+	1.783e+01	-6.448e+01	7.180e+02
## 3791	2.604e+03		+	6.832e+01	-7.655e+00	9.778
## 32707	-7.906e+03		+			8.985
## 24264	-3.344e+03	+	+	6.100e+01		8.487
## 20201	-3.560e+04				-4.510e+01	8.199e+02
## 3821	-3.614e+04			8.358e+00	-4.975e+01	8.166e+02
## 16072	-2.077e+03	+	+	1.431e+02		9.078
## 24268	-1.106e+03	+	+		-1.716e+01	8.769
## 16097	-3.633e+04					7.149e+02
## 12257	-3.628e+04					7.175e+02

## 23784	-3.284e+04	+	+	1.282e+00	5.970e+02	7.767
## 24004	-9.100e+03	+	+			9.030
## 16323	2.651e+03		+			10.020
## 19651	-3.287e+03		+			9.567
## 24523	-4.461e+03		+	-3.070e+01		9.741
## 28385	-3.604e+04				7.188e+02	6.939
## 12005	-3.614e+04			1.241e+00	7.159e+02	6.927
## 8139	2.543e+03		+	1.368e+00		9.994
## 28619	-5.981e+03		+	-3.199e+01		9.359
## 32460	-6.066e+03	+	+	-3.151e+01		8.604
## 12231	-1.002e+03		+	9.189e+01		9.787
## 23792	-3.693e+04	+	+	3.083e+01 -7.359e+01	7.284e+02	8.713
## 24520	-6.833e+03	+	+	5.989e+01		8.591
## 32459	-5.601e+03		+	-4.687e+01		9.533
## 32456	-8.682e+03	+	+	7.003e+01		8.093
## 24267	-4.733e+02		+	-3.251e+01		9.730
## 16098	-3.486e+04	+			7.105e+02	6.564
## 4047	-2.150e+02		+	8.277e+01 -2.000e+00		9.864
## 32232	-3.826e+04	+	+	1.315e+01	6.157e+02	7.763
## 24524	-4.636e+03	+	+	-1.701e+01		8.871
## 31983	-3.918e+04		+	2.632e+01 -9.253e+01	7.181e+02	9.244
## 3267	5.784e+03		+			10.540
## 12010	-3.497e+04	+		-2.421e+01	7.663e+02	6.997
## 11504	-3.584e+04	+	+	5.736e+01 -5.380e+01	7.858e+02	8.885
## 15592	-3.442e+04	+	+	4.222e+01	6.629e+02	8.033
## 7914	-3.481e+04	+		-3.448e+01	7.792e+02	7.125
## 16071	-1.701e+03		+	1.026e+02		9.682
## 24519	-6.382e+03		+	2.884e+01		9.265
## 11980	4.452e+03	+	+	1.650e+01		8.939
## 32240	-4.248e+04	+	+	4.291e+01 -7.348e+01	7.301e+02	8.672
## 8140	2.661e+03	+	+	1.567e+01		9.178
## 28615	-7.435e+03		+	2.030e+01		8.912
## 20449	-3.565e+04				7.536e+02	7.101
## 3792	2.209e+03	+	+	8.040e+01 6.902e+00		8.976
## 8161	-3.647e+04				7.157e+02	7.025
## 12006	-3.594e+04	+		3.141e+01	7.130e+02	6.464
## 16324	4.139e+03	+	+			9.558
## 4069	-3.520e+04			-1.959e+01	7.171e+02	7.023
## 24263	-2.354e+03		+	2.664e+01		9.222
## 28386	-3.466e+04	+			6.988e+02	6.491
## 12258	-3.442e+04	+			7.135e+02	6.539
## 12235	2.875e+03		+	7.036e+00		9.768
## 7888	9.928e+00	+	+	1.188e+02 -2.480e+00		9.144
## 24289	-3.476e+04				7.696e+02	7.107
## 8162	-3.471e+04	+			7.090e+02	6.583
## 27843	-7.789e+03		+			9.325
## 20197	-3.381e+04			-1.477e+01	7.659e+02	7.082
## 27880	-3.200e+04	+	+	-1.576e+01	5.666e+02	7.752
## 4074	-3.471e+04	+		-2.890e+01	7.741e+02	7.073
## 24290	-3.362e+04	+			7.409e+02	6.617
## 20431	-3.970e+03		+	2.214e+01 -2.222e+01		9.535
## 3822	-3.512e+04	+		1.913e+01 -3.818e+01	7.893e+02	7.103
## 15600	-3.842e+04	+	+	8.515e+01 -6.102e+01	8.053e+02	8.946
## 20202	-3.409e+04	+		-3.168e+01	7.889e+02	7.094

## 27888	-3.620e+04	+	+	1.133e+01	-7.337e+01	6.845e+02	8.674
## 19652	-2.948e+03	+	+				9.111
## 28367	-5.562e+03		+	3.681e+01	-3.954e+01		9.349
## 12232	-4.027e+02	+	+	1.131e+02			9.334
## 7909	-3.302e+04			-4.823e+01		7.085e+02	6.982
## 32455	-7.542e+03		+	3.491e+01			8.849
## 28620	-5.852e+03	+	+		-1.899e+01		8.627
## 28100	-9.204e+03	+	+				8.995
## 7887	1.232e+03		+	9.108e+01	-1.725e+01		10.070
## 24011	-7.836e+03		+		-3.163e+01		10.010
## 7910	-3.357e+04	+		-5.676e+00		7.028e+02	6.471
## 11983	5.288e+02		+	9.909e+01	-9.292e+00		9.802
## 16075	3.998e+03		+		-4.034e+00		9.919
## 28616	-7.338e+03	+	+	3.771e+01			8.323
## 12013	-3.907e+04			5.103e+01	-4.536e+01	8.127e+02	7.565
## 20175	1.167e+02		+	2.033e+01	-2.377e+01		9.516
## 28393	-3.728e+04				-4.587e+01	7.655e+02	7.511
## 19912	-6.240e+03	+	+	-4.854e+01			9.078
## 16105	-3.686e+04				-3.945e+01	7.995e+02	7.617
## 4048	-3.408e+02	+	+	9.248e+01	1.066e+01		9.134
## 19916	-6.898e+03	+	+		-1.494e+01		9.357
## 7619	3.342e+03		+				10.770
## 20450	-3.402e+04	+				7.396e+02	6.668
## 16076	3.912e+03	+	+		1.206e+01		9.055
## 12265	-3.636e+04				-3.907e+01	7.992e+02	7.545
## 4070	-3.450e+04	+		2.651e+00		7.130e+02	6.573
## 3524	4.975e+03	+	+				10.510
## 32715	-6.936e+03		+		-4.118e+01		9.601
## 32195	-1.051e+04		+				9.459
## 31975	-3.332e+04		+	-1.749e+01		5.710e+02	8.232
## 24007	-7.771e+03		+	-4.786e+01			9.501
## 16328	-2.876e+03	+	+	1.413e+02			9.275
## 20198	-3.348e+04	+		1.113e+01		7.577e+02	6.615
## 16327	-2.717e+03		+	1.039e+02			9.872
## 31984	-3.900e+04	+	+	3.776e+01	-8.258e+01	6.979e+02	8.724
## 3531	1.932e+03		+		1.869e+01		10.300
## 23747	-4.466e+03		+				9.621
## 28107	-8.630e+03		+		-3.171e+01		9.820
## 8143	-1.504e+03		+	1.046e+02	-1.140e+01		10.150
## 11715	4.306e+03		+				10.680
## 32716	-7.175e+03	+	+		-2.760e+01		8.717
## 3527	2.002e+03		+	4.292e+01			10.650
## 32712	-9.657e+03	+	+	6.665e+01			8.280
## 8144	-2.296e+03	+	+	1.285e+02	1.478e+00		9.286
## 8169	-3.670e+04				-4.337e+01	8.058e+02	7.688
## 23748	-4.680e+03	+	+				9.026
## 12236	3.103e+03	+	+		2.012e+01		9.061
## 19919	-5.552e+03		+	-5.167e+01	-2.190e+01		9.764
## 28103	-7.926e+03		+	-5.545e+01			9.352
## 7917	-3.728e+04			1.993e+01	-5.384e+01	8.232e+02	7.756
## 28368	-5.873e+03	+	+	4.845e+01	-2.506e+01		8.566
## 19659	-2.011e+03		+		-2.827e+01		9.975
## 24297	-3.621e+04				-4.841e+01	8.184e+02	7.730
## 3268	6.820e+03	+	+				10.290

## 27844	-7.514e+03	+	+			8.857
## 31976	-3.391e+04	+	+	3.527e+00	5.654e+02	7.697
## 20176	-2.773e+02	+	+	3.242e+01 -9.210e+00		8.714
## 11984	1.768e+02	+	+	1.105e+02 5.135e+00		9.008
## 19655	-1.368e+03		+	-7.179e+01		9.499
## 4077	-3.740e+04			2.175e+01 -4.412e+01	8.091e+02	7.615
## 20457	-3.627e+04			-4.059e+01	8.030e+02	7.601
## 7363	4.957e+03		+			10.610
## 32464	-8.299e+03	+	+	8.361e+01 -3.598e+01		8.718
## 24272	-2.789e+03	+	+	6.814e+01 -2.041e+01		8.867
## 20432	-4.028e+03	+	+	3.270e+01 -9.467e+00		8.825
## 20205	-3.640e+04			1.822e+01 -4.697e+01	8.305e+02	7.656
## 32196	-1.060e+04	+	+			8.925
## 16106	-3.539e+04	+		-2.526e+01	7.652e+02	7.034
## 24012	-8.195e+03	+	+	-2.180e+01		9.387
## 32711	-8.836e+03		+	3.366e+01		9.017
## 16353	-3.651e+04				7.164e+02	6.989
## 16101	-3.653e+04			4.055e+00	7.148e+02	6.953
## 32481	-3.630e+04				7.170e+02	6.967
## 12261	-3.653e+04			4.913e+00	7.174e+02	6.951
## 28641	-3.626e+04				7.186e+02	6.963
## 24008	-8.255e+03	+	+	-2.930e+01		9.013
## 28389	-3.617e+04			3.035e+00	7.200e+02	6.937
## 24527	-5.511e+03		+	4.291e+01 -3.314e+01		9.827
## 27851	-6.699e+03		+	-4.315e+01		9.902
## 16080	-1.870e+03	+	+	1.465e+02 -3.949e+00		9.171
## 16102	-3.703e+04	+		4.559e+01	7.091e+02	6.446
## 12014	-3.812e+04	+		6.357e+01 -3.331e+01	7.845e+02	7.000
## 32463	-7.126e+03		+	5.773e+01 -5.050e+01		9.645
## 28623	-6.810e+03		+	3.321e+01 -3.373e+01		9.412
## 16331	2.511e+03		+	1.355e+00		9.985
## 24528	-6.280e+03	+	+	6.695e+01 -2.021e+01		8.967
## 12239	-7.737e+02		+	9.506e+01 -3.595e+00		9.863
## 28394	-3.576e+04	+		-3.254e+01	7.352e+02	6.969
## 11459	5.527e+03		+			10.570
## 24271	-1.482e+03		+	4.147e+01 -3.487e+01		9.814
## 32482	-3.512e+04	+			6.904e+02	6.489
## 16354	-3.474e+04	+			7.097e+02	6.544
## 3275	4.822e+03		+	8.494e+00		10.350
## 3271	5.046e+03		+	1.537e+01		10.520
## 7918	-3.684e+04	+		4.232e+01 -4.231e+01	7.937e+02	7.147
## 31939	-8.760e+03		+			9.382
## 12266	-3.474e+04	+		-2.668e+01	7.698e+02	6.997
## 16079	-7.456e+02		+	1.203e+02 -1.858e+01		10.090
## 8170	-3.509e+04	+		-3.080e+01	7.739e+02	7.109
## 24545	-3.593e+04				7.511e+02	7.129
## 24298	-3.480e+04	+		-3.440e+01	7.794e+02	7.125
## 20453	-3.571e+04			1.256e+00	7.541e+02	7.101
## 31940	-8.984e+03	+	+			8.787
## 8165	-3.563e+04			-1.630e+01	7.159e+02	7.050
## 7620	4.317e+03	+	+			10.510
## 16332	2.630e+03	+	+	1.565e+01		9.170
## 28390	-3.591e+04	+		3.010e+01	7.100e+02	6.456
## 12262	-3.596e+04	+		3.156e+01	7.131e+02	6.466

## 27847	-5.973e+03			+ -6.368e+01			9.271
## 28642	-3.463e+04	+				6.988e+02	6.486
## 24293	-3.430e+04			-1.098e+01		7.645e+02	7.110
## 32203	-9.588e+03		+		-3.959e+01		9.995
## 24546	-3.442e+04	+				7.303e+02	6.653
## 19656	-1.343e+03	+	+	-6.056e+01			9.072
## 7364	6.030e+03	+	+				10.300
## 8166	-3.551e+04	+		1.636e+01		7.087e+02	6.547
## 4078	-3.625e+04	+		3.088e+01	-3.336e+01	7.831e+02	7.082
## 24294	-3.469e+04	+		2.664e+01		7.524e+02	6.592
## 19660	-2.177e+03	+	+		-1.771e+01		9.404
## 28108	-8.600e+03	+	+		-2.276e+01		9.343
## 20458	-3.466e+04	+			-2.833e+01	7.759e+02	7.073
## 23755	-3.036e+03		+		-3.637e+01		10.160
## 16109	-4.000e+04			6.012e+01	-4.914e+01	8.188e+02	7.663
## 20206	-3.543e+04	+		3.164e+01	-3.457e+01	8.065e+02	7.106
## 3532	2.036e+03	+	+		2.740e+01		9.865
## 32489	-3.777e+04				-4.879e+01	7.656e+02	7.594
## 28104	-7.895e+03	+	+	-4.581e+01			8.969
## 7623	6.854e+02			5.279e+01			10.710
## 15811	3.524e+03						10.750
## 24015	-6.811e+03		+	-3.799e+01	-2.989e+01		9.951
## 28397	-3.910e+04			3.947e+01	-4.996e+01	7.853e+02	7.538
## 28624	-6.957e+03	+	+	4.437e+01	-2.102e+01		8.682
## 12240	-9.520e+02	+	+	1.060e+02	9.086e+00		9.123
## 7627	1.644e+03		+		1.504e+01		10.450
## 28649	-3.715e+04				-4.789e+01	7.677e+02	7.516
## 12269	-3.895e+04			5.037e+01	-4.648e+01	8.143e+02	7.569
## 19920	-5.717e+03	+	+	-4.551e+01	-1.348e+01		9.304
## 3528	2.441e+03	+	+	5.333e+01			10.420
## 16361	-3.672e+04				-4.141e+01	8.024e+02	7.624
## 11716	5.186e+03	+	+				10.480
## 20454	-3.499e+04	+		2.276e+01		7.488e+02	6.650
## 23751	-2.739e+03		+	-6.182e+01			9.559
## 32199	-9.140e+03		+	-4.600e+01			9.416
## 32719	-8.347e+03		+	5.396e+01	-4.464e+01		9.705
## 11723	2.080e+03		+		1.912e+01		10.270
## 31947	-7.712e+03		+		-5.119e+01		10.080
## 32720	-9.251e+03	+	+	7.894e+01	-3.193e+01		8.822
## 27852	-6.727e+03	+	+		-3.275e+01		9.364
## 28111	-7.352e+03		+	-4.641e+01	-2.965e+01		9.753
## 3535	7.488e+02		+	3.110e+01	1.572e+01		10.330
## 11719	2.560e+03		+	3.491e+01			10.640
## 23756	-3.684e+03	+	+		-2.496e+01		9.435
## 16335	-2.023e+03		+	1.161e+02	-1.283e+01		10.150
## 19663	-3.972e+02		+	-6.454e+01	-2.582e+01		9.879
## 16110	-3.961e+04	+		8.346e+01	-3.742e+01	7.889e+02	7.045
## 16336	-2.876e+03	+	+	1.413e+02	-2.916e-03		9.275
## 3276	4.831e+03	+	+		1.910e+01		9.835
## 8173	-3.835e+04			3.141e+01	-4.845e+01	8.160e+02	7.718
## 23752	-3.554e+03	+	+	-4.006e+01			9.003
## 27848	-6.040e+03	+	+	-5.202e+01			8.829
## 24553	-3.676e+04				-4.416e+01	8.033e+02	7.688
## 32204	-9.899e+03	+	+		-2.963e+01		9.373

## 11460	6.583e+03	+	+				10.320
## 3272	5.454e+03	+	+	2.950e+01			10.240
## 24301	-3.746e+04			2.775e+01	-5.150e+01	8.344e+02	7.760
## 32490	-3.634e+04	+			-3.502e+01	7.289e+02	7.004
## 15555	4.758e+03		+				10.630
## 7367	3.707e+03		+	2.542e+01			10.580
## 20461	-3.748e+04			2.640e+01	-4.289e+01	8.168e+02	7.620
## 7371	4.454e+03		+		4.599e+00		10.510
## 16362	-3.509e+04	+			-2.859e+01	7.698e+02	7.035
## 32200	-9.792e+03	+	+	-2.694e+01			8.911
## 31948	-8.147e+03	+	+		-3.968e+01		9.395
## 24016	-7.553e+03	+	+	-2.357e+01	-2.088e+01		9.359
## 27855	-5.312e+03		+	-5.067e+01	-4.084e+01		9.828
## 16357	-3.691e+04			7.683e+00		7.163e+02	6.976
## 32737	-3.651e+04					7.168e+02	6.990
## 32485	-3.656e+04			6.100e+00		7.194e+02	6.964
## 28645	-3.656e+04			6.545e+00		7.211e+02	6.960
## 28398	-3.815e+04	+		5.326e+01	-3.747e+01	7.605e+02	6.980
## 12270	-3.787e+04	+		6.248e+01	-3.527e+01	7.872e+02	6.999
## 16358	-3.696e+04	+		4.510e+01		7.088e+02	6.440
## 32486	-3.701e+04	+		4.437e+01		7.062e+02	6.438
## 3777	5.412e+03						9.241
## 11467	4.508e+03		+		8.944e+00		10.370
## 11463	4.273e+03		+	2.522e+01			10.540
## 31943	-7.149e+03		+	-5.450e+01			9.333
## 28650	-3.553e+04	+			-3.553e+01	7.382e+02	6.968
## 7624	7.692e+02	+	+	7.309e+01			10.390
## 32738	-3.501e+04	+				6.903e+02	6.475
## 3279	4.478e+03		+	9.385e+00	7.551e+00		10.360
## 8174	-3.768e+04	+		5.076e+01	-3.837e+01	7.887e+02	7.128
## 7628	1.654e+03	+	+		2.507e+01		9.920
## 24302	-3.707e+04	+		5.195e+01	-3.941e+01	8.073e+02	7.148
## 15812	4.536e+03	+	+				10.480
## 3778	6.954e+03	+					8.827
## 24554	-3.518e+04	+			-3.192e+01	7.704e+02	7.109
## 24549	-3.614e+04			4.631e+00		7.530e+02	7.128
## 31944	-8.018e+03	+	+	-3.250e+01			8.771
## 3553	-3.803e+04					7.288e+02	8.130
## 28646	-3.593e+04	+		3.025e+01		7.101e+02	6.458
## 7368	3.606e+03	+	+	5.105e+01			10.210
## 7372	4.297e+03	+	+		1.680e+01		9.897
## 19664	-7.482e+02	+	+	-5.694e+01	-1.586e+01		9.337
## 24550	-3.601e+04	+		3.651e+01		7.445e+02	6.624
## 32207	-8.659e+03		+	-3.248e+01	-3.787e+01		9.942
## 15556	5.885e+03	+	+				10.320
## 11724	2.193e+03	+	+		2.799e+01		9.821
## 23759	-1.721e+03		+	-5.037e+01	-3.402e+01		10.070
## 20462	-3.637e+04	+		3.839e+01	-3.131e+01	7.952e+02	7.086
## 32493	-4.005e+04			4.808e+01	-5.416e+01	7.897e+02	7.636
## 3536	6.143e+02	+	+	3.743e+01	2.407e+01		9.884
## 28112	-7.488e+03	+	+	-4.037e+01	-2.118e+01		9.296
## 15815	1.265e+03		+	4.428e+01			10.700
## 15819	1.794e+03		+		1.535e+01		10.410
## 16365	-3.985e+04			5.940e+01	-5.065e+01	8.209e+02	7.669

## 32745	-3.763e+04			-5.135e+01	7.683e+02	7.602
## 7631	-7.027e+01		+	4.434e+01 1.046e+01		10.500
## 11969	4.750e+03					9.364
## 11720	2.990e+03	+	+	4.539e+01		10.410
## 28653	-3.894e+04			3.831e+01 -5.150e+01	7.865e+02	7.541
## 3305	-3.685e+04			-5.734e+01	8.434e+02	8.849
## 31951	-6.680e+03		+	-3.626e+01 -4.922e+01		10.020
## 3297	-3.521e+04				7.019e+02	7.989
## 27856	-5.529e+03	+	+	-4.377e+01 -3.100e+01		9.313
## 11727	1.256e+03		+	2.131e+01 1.704e+01		10.290
## 23760	-2.795e+03	+	+	-3.349e+01 -2.364e+01		9.394
## 11468	4.566e+03	+	+	1.929e+01		9.861
## 32494	-3.966e+04	+		7.233e+01 -4.206e+01	7.624e+02	7.024
## 28353	-4.113e+03					8.527
## 16366	-3.929e+04	+		8.242e+01 -4.029e+01	7.928e+02	7.046
## 3280	4.191e+03	+	+	1.746e+01 1.747e+01		9.843
## 11464	4.730e+03	+	+	3.850e+01		10.260
## 11970	6.262e+03	+				8.966
## 4033	4.768e+03					9.406
## 24557	-3.840e+04			3.477e+01 -4.751e+01	8.216e+02	7.721
## 28354	-3.552e+03	+				7.965
## 15559	3.018e+03		+	3.431e+01		10.600
## 32746	-3.605e+04	+		-3.912e+01	7.327e+02	7.004
## 7874	6.147e+03	+				8.851
## 32208	-9.374e+03	+	+	-1.819e+01 -2.879e+01		9.351
## 15563	4.197e+03		+	5.085e+00		10.520
## 7375	3.569e+03		+	2.370e+01 2.035e+00		10.530
## 3301	-2.962e+04			-1.196e+02	7.021e+02	8.237
## 3781	7.535e+03			-4.475e+01		9.359
## 7873	4.894e+03					9.288
## 3561	-3.840e+04			-3.481e+01	8.086e+02	8.620
## 20161	3.265e+03					8.996
## 20162	3.720e+03	+				8.415
## 31952	-7.560e+03	+	+	-2.041e+01 -3.873e+01		9.371
## 32741	-3.694e+04			9.565e+00	7.205e+02	6.987
## 3785	5.664e+03			-2.351e+00		9.298
## 3554	-3.701e+04	+			7.256e+02	7.940
## 28654	-3.787e+04	+		5.150e+01 -3.989e+01	7.623e+02	6.979
## 15820	1.819e+03	+	+	2.565e+01		9.871
## 7632	-6.355e+02	+	+	5.923e+01 1.955e+01		9.955
## 11471	3.756e+03		+	1.948e+01 7.040e+00		10.390
## 15816	1.360e+03	+	+	6.447e+01		10.380
## 4034	6.425e+03	+				8.964
## 32742	-3.694e+04	+		4.389e+01	7.060e+02	6.433
## 11489	-3.627e+04				7.081e+02	8.107
## 3557	-3.487e+04			-5.811e+01	7.246e+02	8.228
## 3786	5.585e+03	+		1.399e+01		8.449
## 24558	-3.776e+04	+		5.667e+01 -3.670e+01	7.984e+02	7.131
## 3782	7.589e+03	+		-1.422e+01		8.875
## 3298	-3.405e+04	+			7.000e+02	7.739
## 19937	-3.828e+04				7.060e+02	8.056
## 7649	-3.825e+04				7.294e+02	8.143
## 11745	-3.803e+04				7.286e+02	8.132
## 7376	2.735e+03	+	+	4.164e+01 1.277e+01		9.921

## 15560	3.025e+03	+	+	5.828e+01		10.230
## 15564	4.127e+03	+	+		1.697e+01	9.914
## 11728	1.135e+03	+	+	2.740e+01	2.549e+01	9.840
## 11497	-3.730e+04				-4.922e+01	8.273e+02 8.803
## 3309	-3.330e+04			-6.789e+01	-4.405e+01	8.107e+02 8.790
## 16065	4.374e+03					9.397
## 32749	-3.987e+04			4.678e+01	-5.617e+01	7.913e+02 7.643
## 11977	3.592e+03				1.031e+01	9.121
## 15823	4.485e+02		+	3.429e+01	1.176e+01	10.460
## 20417	-2.654e+02					8.960
## 3306	-3.599e+04	+			-5.065e+01	8.258e+02 8.604
## 19681	-3.506e+04					7.507e+02 8.153
## 12225	4.712e+03					9.376
## 11973	4.519e+03			4.592e+00		9.354
## 7401	-3.746e+04				-5.858e+01	8.485e+02 8.903
## 32450	-4.546e+03	+				7.942
## 16066	5.632e+03	+				8.972
## 7393	-3.563e+04					7.034e+02 8.015
## 19689	-3.714e+04				-6.409e+01	8.280e+02 8.842
## 11978	3.559e+03	+			2.616e+01	8.286
## 24258	2.254e+03	+				8.369
## 20165	4.968e+03			-9.662e+01		8.922
## 28357	-2.570e+03			-6.004e+01		8.512
## 28361	-3.725e+03				-2.127e+01	8.840
## 3302	-2.942e+04	+		-1.051e+02		7.006e+02 8.018
## 32449	-4.549e+03					8.558
## 20418	8.299e+02	+				8.434
## 8129	4.343e+03					9.441
## 28609	-4.364e+03					8.552
## 11493	-3.153e+04			-9.214e+01		7.057e+02 8.250
## 11974	4.556e+03	+		3.550e+01		8.870
## 11472	3.548e+03	+	+	2.640e+01	1.688e+01	9.879
## 4041	3.534e+03				1.052e+01	9.174
## 11490	-3.515e+04	+				7.059e+02 7.875
## 32750	-3.931e+04	+		7.043e+01	-4.554e+01	7.650e+02 7.023
## 4037	5.709e+03			-1.835e+01		9.436
## 19945	-3.924e+04				-4.673e+01	7.700e+02 8.576
## 12226	6.395e+03	+				8.926
## 7882	4.784e+03	+			1.393e+01	8.474
## 8130	5.795e+03	+				8.953
## 28358	-2.794e+03	+		-3.023e+01		7.976
## 3562	-3.758e+04	+			-2.899e+01	7.930e+02 8.399
## 28362	-3.476e+03	+			-4.787e+00	8.046
## 28610	-3.498e+03	+				7.957
## 20166	4.888e+03	+		-6.818e+01		8.406
## 24257	2.549e+03					9.029
## 7878	5.965e+03	+		3.876e+00		8.838
## 19685	-2.907e+04			-1.328e+02		6.781e+02 8.184
## 7877	6.866e+03			-4.017e+01		9.388
## 7397	-2.993e+04			-1.178e+02		7.029e+02 8.247
## 15567	2.909e+03		+	3.289e+01	1.640e+00	10.560
## 20169	3.674e+03				-1.668e+01	9.248
## 3565	-3.663e+04			-3.158e+01	-3.024e+01	7.959e+02 8.609
## 7657	-3.876e+04				-3.625e+01	8.129e+02 8.662



## 3789	7.193e+03		-5.348e+01	7.048e+00		9.209
## 4042	3.770e+03	+		2.433e+01		8.376
## 3558	-3.450e+04	+	-4.808e+01		7.225e+02	8.041
## 7881	5.283e+03			-3.728e+00		9.381
## 11753	-3.840e+04			-3.482e+01	8.087e+02	8.620
## 7650	-3.734e+04	+			7.265e+02	7.938
## 19941	-3.397e+04		-8.643e+01		6.645e+02	8.089
## 19938	-3.729e+04	+			6.945e+02	7.830
## 20170	3.712e+03	+		3.609e-01		8.409
## 7394	-3.470e+04	+			7.027e+02	7.746
## 11746	-3.701e+04	+			7.255e+02	7.942
## 15824	-9.034e+01	+	+	4.870e+01	2.102e+01	9.908
## 15585	-3.654e+04				7.090e+02	8.122
## 27873	-3.648e+04				6.868e+02	8.048
## 3790	6.626e+03	+	-3.635e+01	1.994e+01		8.411
## 4038	6.191e+03	+	4.775e+00			8.953
## 7653	-3.510e+04		-5.691e+01		7.252e+02	8.236
## 11749	-3.471e+04		-6.112e+01		7.249e+02	8.225
## 27881	-3.864e+04			-6.521e+01	7.631e+02	8.746
## 19682	-3.402e+04	+			7.341e+02	7.869
## 24033	-3.853e+04				7.056e+02	8.068
## 28129	-3.839e+04				6.955e+02	8.040
## 15841	-3.825e+04				7.293e+02	8.145
## 19693	-3.247e+04		-9.596e+01	-5.363e+01	7.630e+02	8.753
## 11498	-3.646e+04	+		-4.280e+01	8.104e+02	8.565
## 15568	2.208e+03	+	+	4.892e+01	1.232e+01	9.951
## 20421	1.538e+03			-7.278e+01		8.910
## 3310	-3.270e+04	+	-6.409e+01	-3.866e+01	7.964e+02	8.569
## 7402	-3.661e+04	+		-5.035e+01	8.276e+02	8.606
## 11501	-3.469e+04		-4.788e+01	-4.182e+01	8.082e+02	8.773
## 15593	-3.778e+04			-5.075e+01	8.325e+02	8.851
## 16074	3.071e+03	+		2.500e+01		8.323
## 7405	-3.408e+04		-6.185e+01	-4.618e+01	8.175e+02	8.837
## 24514	-2.006e+02	+				8.389
## 24513	-8.220e+02					8.990
## 16073	3.403e+03			8.957e+00		9.182
## 19690	-3.628e+04	+		-5.756e+01	8.098e+02	8.596
## 23777	-3.543e+04				7.498e+02	8.168
## 16069	3.961e+03		8.040e+00			9.381
## 16321	4.342e+03					9.407
## 12233	3.285e+03			1.215e+01		9.108
## 16070	3.108e+03	+	5.111e+01			8.835
## 11981	3.875e+03		-8.036e+00	1.140e+01		9.112
## 23785	-3.790e+04			-6.715e+01	8.301e+02	8.903
## 20425	2.691e+01			-6.977e+00		9.067
## 12229	4.404e+03		5.988e+00			9.365
## 11494	-3.129e+04	+	-7.841e+01		7.042e+02	8.033
## 16322	5.800e+03	+				8.917
## 24262	3.235e+03	+	-5.032e+01			8.366
## 32458	-4.438e+03	+		-7.854e+00		8.075
## 32454	-4.158e+03	+	-1.452e+01			7.948
## 32706	-4.416e+03	+				7.922
## 7398	-3.020e+04	+	-9.756e+01		7.024e+02	8.003
## 24261	4.310e+03		-9.198e+01			8.952

##	32457	-4.216e+03			-2.418e+01		8.922
##	27877	-3.092e+04			-1.174e+02	6.343e+02	8.095
##	28365	-2.529e+03			-4.963e+01	-1.693e+01	8.764
##	11982	3.162e+03	+		1.129e+01	2.475e+01	8.292
##	12234	3.510e+03	+			2.642e+01	8.286
##	32453	-3.033e+03			-5.662e+01		8.540
##	19686	-2.873e+04	+		-1.212e+02	6.706e+02	7.945
##	20173	5.103e+03			-9.154e+01	-9.157e+00	9.065
##	24266	2.320e+03	+			-3.336e+00	8.427
##	15586	-3.560e+04	+			7.076e+02	7.872
##	20422	2.010e+03	+		-4.976e+01		8.425
##	19949	-3.592e+04			-6.438e+01	-4.128e+01	7.316e+02
##	28613	-2.774e+03			-5.794e+01		8.528
##	28617	-3.806e+03				-2.058e+01	8.837
##	19946	-3.843e+04	+			-4.093e+01	7.540e+02
##	8138	3.377e+03	+			2.241e+01	8.412
##	32705	-4.785e+03					8.582
##	27874	-3.543e+04	+			6.705e+02	7.766
##	8137	3.352e+03				8.738e+00	9.246
##	20426	5.341e+02	+			7.875e+00	8.297
##	28137	-3.954e+04				-5.010e+01	7.518e+02
##	24041	-3.977e+04				-4.945e+01	7.729e+02
##	8133	5.096e+03			-1.436e+01		9.463
##	4045	4.685e+03			-3.228e+01	1.481e+01	9.134
##	15589	-3.177e+04			-9.094e+01		7.063e+02
##	12230	4.740e+03	+		3.363e+01		8.846
##	7658	-3.796e+04	+			-2.984e+01	7.959e+02
##	24265	2.933e+03				-2.035e+01	9.342
##	19942	-3.352e+04	+		-7.772e+01		6.583e+02
##	8134	4.788e+03	+		1.999e+01		8.908
##	7886	5.251e+03	+		-1.524e+01	1.643e+01	8.457
##	3566	-3.604e+04	+		-2.814e+01	-2.512e+01	7.822e+02
##	28614	-2.663e+03	+		-3.138e+01		7.961
##	28366	-2.785e+03	+		-2.891e+01	-2.633e+00	8.020
##	11754	-3.759e+04	+			-2.901e+01	7.930e+02
##	23781	-2.938e+04			-1.312e+02		6.784e+02
##	20174	4.810e+03	+		-7.049e+01	5.191e+00	8.315
##	28618	-3.361e+03	+			-5.684e+00	8.047
##	7885	6.676e+03			-4.617e+01	4.652e+00	9.288
##	7661	-3.717e+04			-2.765e+01	-3.207e+01	8.012e+02
##	7654	-3.506e+04	+		-4.277e+01		7.237e+02
##	24034	-3.770e+04	+				6.911e+02
##	11757	-3.650e+04			-3.395e+01	-3.008e+01	7.957e+02
##	15849	-3.876e+04				-3.632e+01	8.132e+02
##	4046	4.405e+03	+		-1.786e+01	2.656e+01	8.362
##	11750	-3.437e+04	+		-5.065e+01		7.228e+02
##	27885	-3.473e+04			-7.665e+01	-5.673e+01	7.189e+02
##	15842	-3.734e+04	+				7.265e+02
##	28130	-3.740e+04	+				6.814e+02
##	28133	-3.409e+04			-8.572e+01		6.561e+02
##	24037	-3.421e+04			-8.527e+01		6.647e+02
##	23778	-3.464e+04	+				7.287e+02
##	27882	-3.779e+04	+			-5.880e+01	7.456e+02
##	31969	-3.676e+04					6.868e+02

##	31977	-3.930e+04			-6.795e+01	7.662e+02	8.802
##	15845	-3.493e+04			-6.001e+01	7.255e+02	8.233
##	19694	-3.190e+04	+		-9.192e+01	-4.823e+01	7.494e+02 8.535
##	15594	-3.695e+04	+			-4.334e+01	8.135e+02 8.571
##	32225	-3.862e+04					6.954e+02 8.052
##	23789	-3.335e+04			-9.042e+01	-5.667e+01	7.683e+02 8.806
##	7406	-3.377e+04	+		-5.339e+01	-4.040e+01	8.028e+02 8.577
##	11502	-3.411e+04	+		-4.385e+01	-3.636e+01	7.937e+02 8.550
##	23786	-3.707e+04	+			-5.963e+01	8.063e+02 8.595
##	24517	9.628e+02			-6.871e+01		8.938
##	15597	-3.535e+04			-4.316e+01	-4.385e+01	8.144e+02 8.816
##	20429	1.610e+03			-7.176e+01	-2.309e+00	8.946
##	27878	-3.061e+04	+		-1.053e+02		6.258e+02 7.849
##	24518	6.664e+02	+		-3.426e+01		8.385
##	16078	2.009e+03	+		2.920e+01	2.129e+01	8.340
##	16330	3.155e+03	+			2.452e+01	8.324
##	24521	-4.405e+02				-1.045e+01	9.153
##	24522	-3.253e+02	+			3.585e+00	8.327
##	16329	3.138e+03				1.062e+01	9.170
##	15590	-3.195e+04	+		-7.241e+01		7.057e+02 8.019
##	16077	3.501e+03			-2.730e+00	9.344e+00	9.179
##	16325	3.849e+03			9.398e+00		9.391
##	12237	3.532e+03			-6.787e+00	1.302e+01	9.101
##	16326	3.349e+03	+		4.867e+01		8.802
##	23782	-2.948e+04	+		-1.148e+02		6.698e+02 7.923
##	32461	-3.112e+03			-4.336e+01	-2.004e+01	8.846
##	24042	-3.898e+04	+			-4.325e+01	7.534e+02 8.361
##	24269	4.402e+03			-8.428e+01	-1.266e+01	9.153
##	19950	-3.535e+04	+		-6.071e+01	-3.619e+01	7.188e+02 8.333
##	24270	3.231e+03	+		-5.054e+01	4.541e-01	8.358
##	31973	-3.116e+04			-1.162e+02		6.348e+02 8.103
##	32714	-4.202e+03	+			-9.898e+00	8.078
##	32462	-4.165e+03	+		-1.065e+01	-7.001e+00	8.065
##	31970	-3.595e+04	+				6.673e+02 7.748
##	32710	-3.961e+03	+		-1.622e+01		7.925
##	32713	-4.247e+03				-2.389e+01	8.920
##	28141	-3.636e+04			-6.098e+01	-4.455e+01	7.175e+02 8.544
##	28621	-2.551e+03			-4.950e+01	-1.678e+01	8.763
##	28138	-3.872e+04	+			-4.430e+01	7.354e+02 8.354
##	24045	-3.657e+04			-6.042e+01	-4.391e+01	7.364e+02 8.586
##	12238	3.093e+03	+		1.151e+01	2.506e+01	8.292
##	32709	-3.233e+03			-5.457e+01		8.555
##	20430	1.696e+03	+		-5.359e+01	1.077e+01	8.237
##	32233	-4.007e+04				-5.281e+01	7.547e+02 8.630
##	8141	4.328e+03			-2.674e+01	1.251e+01	9.204
##	8142	3.391e+03	+		-3.811e-01	2.246e+01	8.412
##	24038	-3.410e+04	+		-7.281e+01		6.578e+02 7.865
##	7662	-3.681e+04	+		-2.046e+01	-2.696e+01	7.879e+02 8.408
##	15850	-3.796e+04	+			-2.993e+01	7.963e+02 8.409
##	28134	-3.367e+04	+		-7.667e+01		6.476e+02 7.863
##	11758	-3.593e+04	+		-3.025e+01	-2.499e+01	7.821e+02 8.393
##	27886	-3.416e+04	+		-7.254e+01	-5.130e+01	7.052e+02 8.467
##	31978	-3.847e+04	+			-6.067e+01	7.443e+02 8.506
##	28622	-2.615e+03	+		-2.982e+01	-3.725e+00	8.020

##	31981	-3.554e+04		-7.159e+01	-5.956e+01	7.244e+02	8.737
##	15853	-3.703e+04		-3.019e+01	-3.192e+01	8.011e+02	8.643
##	32226	-3.780e+04	+			6.785e+02	7.790
##	15846	-3.492e+04	+	-4.557e+01		7.240e+02	8.026
##	32229	-3.432e+04		-8.462e+01		6.565e+02	8.084
##	23790	-3.302e+04	+	-8.221e+01	-5.094e+01	7.528e+02	8.541
##	19905	-4.625e+03					9.484
##	15598	-3.502e+04	+	-3.500e+01	-3.814e+01	7.999e+02	8.558
##	3265	6.371e+03					10.180
##	3521	5.305e+03					10.370
##	19909	-2.754e+02		-1.615e+02			9.388
##	19653	5.764e+03		-2.132e+02			9.520
##	31974	-3.128e+04	+	-9.949e+01		6.258e+02	7.830
##	24525	1.095e+03		-6.597e+01	-5.560e+00		9.027
##	24526	5.238e+02	+	-3.665e+01	5.839e+00		8.284
##	16334	2.077e+03	+	2.903e+01	2.096e+01		8.341
##	27845	-1.337e+03		-1.776e+02			9.216
##	16333	3.202e+03		-1.739e+00	1.085e+01		9.167
##	24046	-3.621e+04	+	-5.332e+01	-3.882e+01	7.226e+02	8.343
##	27841	-6.247e+03					9.288
##	32234	-3.927e+04	+		-4.663e+01	7.348e+02	8.363
##	3269	1.196e+04		-1.194e+02			10.430
##	28142	-3.579e+04	+	-5.722e+01	-3.947e+01	7.044e+02	8.336
##	32717	-3.094e+03		-4.347e+01	-2.017e+01		8.846
##	32237	-3.702e+04		-5.696e+01	-4.723e+01	7.223e+02	8.590
##	32718	-3.885e+03	+	-1.195e+01	-9.025e+00		8.067
##	31982	-3.521e+04	+	-6.349e+01	-5.386e+01	7.091e+02	8.474
##	19906	-4.064e+03	+				9.166
##	32230	-3.424e+04	+	-7.181e+01		6.473e+02	7.845
##	28097	-7.696e+03					9.296
##	15854	-3.669e+04	+	-2.283e+01	-2.683e+01	7.878e+02	8.404
##	11457	5.728e+03					10.300
##	3266	7.449e+03	+				9.915
##	19649	1.883e+03					9.711
##	19654	5.716e+03	+	-1.988e+02			9.226
##	3522	6.228e+03	+				10.150
##	27842	-5.851e+03	+				8.904
##	28101	-3.143e+03		-1.528e+02			9.232
##	19910	-1.121e+02	+	-1.505e+02			9.134
##	3525	8.833e+03		-7.039e+01			10.480
##	3529	2.069e+03			2.570e+01		9.828
##	27846	-1.434e+03	+	-1.626e+02			8.915
##	24001	-4.937e+03					9.496
##	19913	-4.264e+03			-8.068e+00		9.596
##	7361	6.115e+03					10.200
##	3273	6.528e+03			-1.337e+00		10.210
##	27849	-5.586e+03			-3.609e+01		9.751
##	7617	5.184e+03					10.380
##	11713	5.276e+03					10.380
##	19661	5.988e+03		-2.070e+02	-1.256e+01		9.692
##	23749	5.499e+03		-2.119e+02			9.528
##	24005	-4.702e+02		-1.605e+02			9.395
##	19917	-3.026e+02		-1.618e+02	7.725e-01		9.377
##	3270	1.208e+04	+	-1.043e+02			10.190

## 27853	-1.287e+03		-1.652e+02	-2.143e+01		9.495
## 19650	2.168e+03	+				9.305
## 3277	1.055e+04		-1.459e+02	2.256e+01		9.970
## 28098	-7.228e+03	+				8.959
## 11461	1.054e+04		-9.653e+01			10.450
## 31941	-1.501e+03		-1.767e+02			9.223
## 11458	6.763e+03	+				10.050
## 31937	-6.540e+03					9.302
## 32238	-3.666e+04	+	-4.970e+01	-4.218e+01	7.079e+02	8.346
## 7365	1.182e+04		-1.184e+02			10.430
## 24002	-4.753e+03	+				9.137
## 7362	7.012e+03	+				9.929
## 3530	2.125e+03	+		3.461e+01		9.359
## 3533	5.698e+03		-1.016e+02	3.733e+01		9.733
## 28105	-7.185e+03			-1.922e+01		9.541
## 19657	2.670e+03			-2.920e+01		10.100
## 11465	4.571e+03			9.432e+00		10.100
## 3274	6.443e+03	+		9.239e+00		9.686
## 28102	-3.111e+03	+	-1.408e+02			8.957
## 32193	-7.943e+03					9.307
## 15553	5.581e+03					10.320
## 19914	-4.107e+03	+		1.032e+00		9.150
## 3526	9.100e+03	+	-5.943e+01			10.260
## 31938	-6.596e+03	+				8.877
## 23745	1.393e+03					9.727
## 27850	-5.425e+03	+		-2.603e+01		9.287
## 23750	4.887e+03	+	-1.920e+02			9.201
## 7618	5.975e+03	+				10.150
## 19662	5.801e+03	+	-1.968e+02	-4.678e+00		9.298
## 11714	6.200e+03	+				10.160
## 24006	-7.440e+02	+	-1.454e+02			9.114
## 28109	-3.014e+03		-1.490e+02	-9.079e+00		9.349
## 32197	-3.294e+03		-1.520e+02			9.238
## 3278	1.022e+04	+	-1.365e+02	3.024e+01		9.529
## 19918	-3.881e+02	+	-1.528e+02	8.045e+00		9.008
## 11721	2.008e+03			2.589e+01		9.832
## 11717	8.941e+03		-7.218e+01			10.470
## 7621	8.746e+03		-6.984e+01			10.480
## 7625	2.043e+03			2.549e+01		9.837
## 31942	-2.113e+03	+	-1.568e+02			8.896
## 27854	-1.394e+03	+	-1.558e+02	-1.372e+01		9.116
## 24009	-4.544e+03			-9.883e+00		9.635
## 23746	1.089e+03	+				9.264
## 3756	-6.135e+04	+	+	1.062e+02	1.190e+03	
## 7369	6.329e+03			-1.849e+00		10.240
## 31945	-6.001e+03			-3.816e+01		9.798
## 11462	1.070e+04	+	-8.215e+01			10.220
## 15809	5.162e+03					10.390
## 23757	5.661e+03		-2.044e+02	-1.403e+01		9.724
## 7366	1.152e+04	+	-9.799e+01			10.190
## 11469	8.783e+03		-1.225e+02	2.490e+01		9.946
## 19658	2.639e+03	+		-1.840e+01		9.585
## 24013	-4.658e+02		-1.605e+02	-1.500e-01		9.397
## 32194	-7.847e+03	+				8.934

## 11466	4.549e+03	+		1.935e+01		9.597
## 31949	-1.573e+03			-1.629e+02	-2.277e+01	9.525
## 15554	6.457e+03	+				10.060
## 3534	5.446e+03	+		-9.314e+01	4.456e+01	9.309
## 7373	1.053e+04			-1.456e+02	2.247e+01	9.974
## 28106	-6.982e+03	+			-1.011e+01	9.104
## 15557	1.044e+04			-9.593e+01		10.450
## 7370	5.958e+03	+			9.646e+00	9.690
## 7626	1.949e+03	+			3.413e+01	9.371
## 23753	2.089e+03				-3.179e+01	10.150
## 11722	2.066e+03	+			3.480e+01	9.363
## 24010	-4.698e+03	+			-1.388e+00	9.158
## 11725	5.858e+03			-1.047e+02	3.752e+01	9.727
## 7629	5.772e+03			-1.027e+02	3.774e+01	9.719
## 32201	-7.475e+03				-2.108e+01	9.581
## 31946	-6.195e+03	+			-2.804e+01	9.288
## 32198	-3.710e+03	+		-1.358e+02		8.938
## 15561	4.497e+03				9.027e+00	10.120
## 28110	-3.086e+03	+		-1.402e+02	-1.798e+00	8.982
## 7622	8.683e+03	+		-5.496e+01		10.260
## 7852	-6.241e+04	+	+		1.041e+02	1.199e+03
## 11718	9.176e+03	+		-6.072e+01		10.260
## 20140	-6.210e+04	+	+		8.859e+01	1.128e+03
## 4012	-6.376e+04	+	+		1.110e+02	1.205e+03
## 23758	4.983e+03	+		-1.889e+02	-6.846e+00	9.306
## 11470	8.429e+03	+		-1.128e+02	3.264e+01	9.503
## 15810	5.957e+03	+				10.160
## 11948	-6.227e+04	+	+		1.072e+02	1.194e+03
## 7374	9.772e+03	+		-1.302e+02	2.950e+01	9.538
## 24014	-9.293e+02	+		-1.473e+02	6.126e+00	9.019
## 32205	-3.206e+03			-1.475e+02	-1.015e+01	9.372
## 31950	-2.125e+03	+		-1.486e+02	-1.571e+01	9.125
## 15817	1.988e+03				2.572e+01	9.840
## 15813	8.854e+03			-7.167e+01		10.480
## 23754	1.569e+03	+			-2.090e+01	9.579
## 28332	-6.474e+04	+	+		7.490e+01	1.081e+03
## 3760	-6.436e+04	+	+	7.098e+01	9.886e+01	1.198e+03
## 15558	1.023e+04	+		-7.713e+01		10.210
## 28324	-7.397e+04	+	+			1.288e+03
## 15565	8.800e+03			-1.227e+02	2.498e+01	9.943
## 15562	4.277e+03	+			1.911e+01	9.605
## 32202	-7.573e+03	+			-1.253e+01	9.113
## 7630	5.209e+03	+		-8.949e+01	4.389e+01	9.318
## 20396	-6.533e+04	+	+		9.009e+01	1.131e+03
## 11726	5.580e+03	+		-9.573e+01	4.471e+01	9.304
## 24236	-6.347e+04	+	+		8.318e+01	1.128e+03
## 8108	-6.459e+04	+	+		1.088e+02	1.213e+03
## 20132	-7.270e+04	+	+			1.401e+03
## 15818	1.903e+03	+			3.430e+01	9.374
## 7856	-6.689e+04	+	+	1.004e+02	9.330e+01	1.212e+03
## 32428	-6.603e+04	+	+		6.986e+01	1.082e+03
## 32420	-7.475e+04	+	+			1.273e+03
## 15821	5.925e+03			-1.056e+02	3.790e+01	9.714
## 16044	-6.317e+04	+	+		1.051e+02	1.202e+03

## 4016	-6.731e+04	+	+	8.033e+01	1.030e+02	1.215e+03	
## 11952	-6.685e+04	+	+	1.015e+02	9.693e+01	1.206e+03	
## 32206	-3.671e+03	+		-1.343e+02	-3.875e+00		8.994
## 15814	8.770e+03	+		-5.645e+01			10.260
## 12204	-6.378e+04	+	+		1.106e+02	1.204e+03	
## 15566	8.087e+03	+		-1.079e+02	3.191e+01		9.512
## 20144	-6.334e+04	+	+	3.137e+01	8.738e+01	1.139e+03	
## 24228	-7.357e+04	+	+			1.381e+03	
## 19171	-1.949e+04		+			6.611e+02	8.098
## 28588	-6.615e+04	+	+		7.839e+01	1.092e+03	
## 24492	-6.650e+04	+	+		8.487e+01	1.131e+03	
## 2788	-1.927e+04	+	+			5.197e+02	6.913
## 28336	-6.655e+04	+	+	4.442e+01	7.296e+01	1.095e+03	
## 19175	-2.665e+04		+	1.875e+02		7.018e+02	8.145
## 19176	-2.667e+04	+	+	2.069e+02		7.027e+02	7.450
## 2787	-2.014e+04		+			4.968e+02	7.563
## 10980	-2.138e+04	+	+			5.345e+02	6.950
## 10979	-2.233e+04		+			5.136e+02	7.570
## 19172	-1.883e+04	+	+			6.581e+02	7.468
## 28328	-7.653e+04	+	+	7.234e+01		1.302e+03	
## 23272	-2.909e+04	+	+	2.384e+02		6.895e+02	7.417
## 20388	-7.591e+04	+	+			1.408e+03	
## 6884	-2.033e+04	+	+			5.158e+02	6.942
## 28580	-7.512e+04	+	+			1.301e+03	
## 3748	-7.610e+04	+	+			1.693e+03	
## 16048	-6.920e+04	+	+	1.288e+02	9.161e+01	1.220e+03	
## 8112	-6.954e+04	+	+	1.078e+02	9.744e+01	1.228e+03	
## 15822	5.348e+03	+		-9.219e+01	4.403e+01		9.313
## 3043	-2.305e+04		+			5.221e+02	7.708
## 2795	-2.139e+04		+		-6.069e+01	6.327e+02	8.469
## 24240	-6.589e+04	+	+	5.847e+01	8.053e+01	1.148e+03	
## 20400	-6.655e+04	+	+	3.082e+01	8.890e+01	1.142e+03	
## 32424	-7.839e+04	+	+	1.007e+02		1.292e+03	
## 3044	-2.183e+04	+	+			5.392e+02	7.095
## 10987	-2.346e+04		+		-5.810e+01	6.432e+02	8.438
## 15076	-2.218e+04	+	+			5.299e+02	6.973
## 3752	-8.063e+04	+	+	1.614e+02		1.632e+03	
## 10984	-2.753e+04	+	+	1.462e+02		5.167e+02	6.734
## 23268	-1.983e+04	+	+			6.419e+02	7.443
## 19427	-2.181e+04		+			6.594e+02	8.141
## 20136	-7.488e+04	+	+	6.233e+01		1.415e+03	
## 24484	-7.660e+04	+	+			1.389e+03	
## 32684	-6.731e+04	+	+		7.324e+01	1.092e+03	
## 32432	-6.905e+04	+	+	7.111e+01	6.630e+01	1.105e+03	
## 16300	-6.458e+04	+	+		1.084e+02	1.212e+03	
## 12208	-6.814e+04	+	+	9.837e+01	1.004e+02	1.216e+03	
## 15080	-2.981e+04	+	+	1.774e+02		5.072e+02	6.717
## 19183	-2.882e+04		+	2.119e+02	-5.247e+01	7.853e+02	8.807
## 19431	-2.922e+04		+	1.913e+02		7.009e+02	8.191
## 32676	-7.580e+04	+	+			1.285e+03	
## 10991	-3.146e+04		+	1.774e+02	-7.898e+01	6.651e+02	8.577
## 27363	-2.100e+04		+			6.262e+02	7.955
## 2796	-2.028e+04	+	+		-4.181e+01	6.095e+02	7.645
## 3754	-6.199e+04	+			9.369e+01	1.191e+03	

## 19179	-2.039e+04		+		-3.830e+01	7.181e+02	8.576
## 2792	-2.298e+04	+	+	9.513e+01		5.060e+02	6.767
## 23267	-2.016e+04		+			6.525e+02	8.188
## 6888	-2.557e+04	+	+	1.301e+02		4.965e+02	6.748
## 23271	-2.804e+04		+	2.017e+02		6.941e+02	8.263
## 10983	-2.724e+04		+	1.146e+02		4.977e+02	7.459
## 27368	-2.858e+04	+	+	2.122e+02		6.639e+02	7.273
## 7848	-8.267e+04	+	+	1.921e+02		1.619e+03	
## 24232	-7.690e+04	+	+	9.258e+01		1.400e+03	
## 7140	-2.266e+04	+	+			5.341e+02	7.110
## 27367	-2.845e+04		+	1.921e+02		6.654e+02	7.994
## 15088	-3.397e+04	+	+	2.325e+02	-7.309e+01	6.564e+02	7.918
## 19432	-2.888e+04	+	+	2.091e+02		7.019e+02	7.530
## 3051	-2.391e+04		+		-5.491e+01	6.427e+02	8.514
## 6892	-2.155e+04	+	+		-4.782e+01	6.183e+02	7.781
## 23280	-3.134e+04	+	+	2.611e+02	-4.879e+01	7.657e+02	8.140
## 6883	-2.087e+04		+			4.912e+02	7.676
## 10988	-2.232e+04	+	+		-4.021e+01	6.207e+02	7.653
## 19428	-2.089e+04	+	+			6.568e+02	7.545
## 7844	-7.701e+04	+	+			1.693e+03	
## 27364	-2.042e+04	+	+			6.212e+02	7.305
## 31464	-3.083e+04	+	+	2.427e+02		6.533e+02	7.251
## 23528	-3.111e+04	+	+	2.397e+02		6.890e+02	7.492
## 11235	-2.359e+04		+			5.251e+02	7.657
## 19184	-2.813e+04	+	+	2.212e+02	-3.555e+01	7.592e+02	7.979
## 10992	-3.073e+04	+	+	1.885e+02	-6.098e+01	6.422e+02	7.739
## 15075	-2.289e+04		+			5.082e+02	7.669
## 2755	7.495e+03		+				9.339
## 6891	-2.252e+04		+		-6.893e+01	6.438e+02	8.741
## 24496	-6.884e+04	+	+	5.674e+01	8.229e+01	1.151e+03	
## 6896	-2.938e+04	+	+	1.809e+02	-6.952e+01	6.380e+02	7.892
## 28592	-6.782e+04	+	+	4.169e+01	7.651e+01	1.105e+03	
## 2791	-2.262e+04		+	6.244e+01		4.866e+02	7.501
## 2799	-2.647e+04		+	1.203e+02	-7.529e+01	6.458e+02	8.569
## 11946	-6.254e+04	+			1.070e+02	1.158e+03	
## 2756	9.469e+03	+	+				8.816
## 11236	-2.237e+04	+	+			5.423e+02	7.041
## 15087	-3.389e+04		+	2.050e+02	-9.208e+01	6.809e+02	8.920
## 23279	-3.122e+04		+	2.371e+02	-6.601e+01	7.966e+02	9.134
## 11944	-8.307e+04	+	+	1.937e+02		1.631e+03	
## 19180	-1.941e+04	+	+		-2.197e+01	6.911e+02	7.796
## 10947	6.328e+03		+				9.402
## 20392	-7.810e+04	+	+	6.233e+01		1.422e+03	
## 7139	-2.373e+04		+			5.164e+02	7.817
## 3048	-2.631e+04	+	+	1.095e+02		5.250e+02	6.943
## 15083	-2.436e+04		+		-6.560e+01	6.526e+02	8.682
## 15084	-2.331e+04	+	+		-4.586e+01	6.278e+02	7.777
## 28584	-7.761e+04	+	+	7.148e+01		1.315e+03	
## 11940	-7.703e+04	+	+			1.701e+03	
## 27375	-3.146e+04		+	2.221e+02	-6.206e+01	7.550e+02	8.738
## 3047	-2.649e+04		+	8.199e+01		5.103e+02	7.636
## 6852	8.168e+03	+	+				8.831
## 7144	-2.864e+04	+	+	1.425e+02		5.149e+02	6.915
## 2800	-2.582e+04	+	+	1.329e+02	-5.676e+01	6.225e+02	7.703



## 4004	-7.788e+04	+	+			1.715e+03	
## 19439	-3.125e+04		+	2.150e+02	-5.104e+01	7.821e+02	8.833
## 3052	-2.263e+04	+	+		-3.828e+01	6.205e+02	7.757
## 16304	-7.034e+04	+	+	1.253e+02	9.498e+01	1.228e+03	
## 10948	8.269e+03	+	+				8.901
## 23524	-2.174e+04	+	+			6.412e+02	7.517
## 31460	-2.129e+04	+	+			6.078e+02	7.291
## 3055	-2.982e+04		+	1.349e+02	-7.079e+01	6.582e+02	8.630
## 19435	-2.262e+04		+		-3.673e+01	7.142e+02	8.598
## 23527	-3.058e+04		+	2.054e+02		6.932e+02	8.307
## 27371	-2.238e+04		+		-4.622e+01	6.884e+02	8.506
## 23523	-2.246e+04		+			6.509e+02	8.230
## 4008	-8.326e+04	+	+	1.709e+02		1.657e+03	
## 11243	-2.446e+04		+		-5.536e+01	6.467e+02	8.469
## 6895	-2.912e+04		+	1.504e+02	-8.905e+01	6.627e+02	8.927
## 16040	-8.493e+04	+	+	2.219e+02		1.619e+03	
## 23275	-2.145e+04		+		-4.729e+01	7.207e+02	8.803
## 3011	6.193e+03		+				9.543
## 24488	-7.988e+04	+	+	9.166e+01		1.408e+03	
## 7147	-2.491e+04		+		-6.299e+01	6.530e+02	8.774
## 15332	-2.311e+04	+	+			5.372e+02	7.060
## 31472	-3.389e+04	+	+	2.706e+02	-5.812e+01	7.363e+02	8.077
## 23276	-2.068e+04	+	+		-3.039e+01	6.866e+02	7.895
## 11240	-2.847e+04	+	+	1.456e+02		5.243e+02	6.825
## 7148	-2.364e+04	+	+		-4.433e+01	6.279e+02	7.877
## 27619	-2.227e+04		+			6.386e+02	8.046
## 32680	-7.935e+04	+	+	9.975e+01		1.303e+03	
## 27376	-3.075e+04	+	+	2.312e+02	-4.515e+01	7.293e+02	7.916
## 31463	-2.968e+04		+	2.054e+02		6.598e+02	8.113
## 7850	-6.255e+04	+			9.425e+01	1.190e+03	
## 31459	-2.156e+04		+			6.197e+02	8.047
## 15079	-2.839e+04		+	1.260e+02		4.897e+02	7.563
## 7152	-3.213e+04	+	+	1.907e+02	-6.681e+01	6.498e+02	8.005
## 10952	3.169e+02	+	+	1.628e+02			8.589
## 4010	-6.269e+04	+			1.032e+02	1.174e+03	
## 32688	-7.015e+04	+	+	6.800e+01	6.970e+01	1.114e+03	
## 11247	-3.234e+04		+	1.758e+02	-7.619e+01	6.682e+02	8.606
## 11239	-2.855e+04		+	1.154e+02		5.092e+02	7.546
## 15048	-2.582e+03	+	+	1.949e+02			8.535
## 27623	-2.981e+04		+	1.934e+02		6.783e+02	8.087
## 6856	9.531e+02	+	+	1.490e+02			8.528
## 15336	-3.066e+04	+	+	1.765e+02		5.144e+02	6.801
## 15044	7.174e+03	+	+				8.908
## 23536	-3.332e+04	+	+	2.622e+02	-4.835e+01	7.645e+02	8.208
## 10951	-3.727e+02		+	1.325e+02			9.207
## 2760	4.158e+03	+	+	1.131e+02			8.584
## 6851	6.376e+03		+				9.440
## 3012	8.207e+03	+	+				9.032
## 8104	-8.505e+04	+	+	2.002e+02		1.643e+03	
## 19440	-3.033e+04	+	+	2.233e+02	-3.537e+01	7.580e+02	8.056
## 31471	-3.381e+04		+	2.469e+02	-7.540e+01	7.665e+02	9.063
## 20138	-6.181e+04	+			9.748e+01	1.199e+03	
## 3758	-6.189e+04	+		-2.054e+00	9.405e+01	1.190e+03	
## 27624	-2.960e+04	+	+	2.123e+02		6.738e+02	7.376

##	3056	-2.890e+04	+	+	1.450e+02	-5.426e+01	6.357e+02	7.832
##	6887	-2.396e+04		+	7.584e+01		4.782e+02	7.614
##	23535	-3.360e+04		+	2.398e+02	-6.447e+01	7.934e+02	9.156
##	7151	-3.236e+04		+	1.642e+02	-8.437e+01	6.745e+02	8.981
##	19139	1.144e+04		+				9.791
##	2759	3.514e+03		+	8.162e+01			9.211
##	15331	-2.418e+04		+			5.197e+02	7.758
##	16036	-7.777e+04	+	+			1.699e+03	
##	27372	-2.137e+04	+	+		-2.991e+01	6.620e+02	7.733
##	27620	-2.143e+04	+	+			6.310e+02	7.407
##	15344	-3.456e+04	+	+	2.308e+02	-7.162e+01	6.590e+02	7.960
##	11244	-2.318e+04	+	+		-3.868e+01	6.244e+02	7.709
##	8100	-7.853e+04	+	+			1.712e+03	
##	28330	-6.364e+04	+			9.264e+01	1.105e+03	
##	19436	-2.145e+04	+	+		-2.167e+01	6.894e+02	7.868
##	31720	-3.177e+04	+	+	2.424e+02		6.627e+02	7.348
##	15043	5.374e+03		+				9.489
##	7143	-2.782e+04		+	9.530e+01		5.019e+02	7.748
##	2763	9.059e+03		+		-1.503e+01		9.684
##	11950	-6.559e+04	+		6.130e+01	9.823e+01	1.175e+03	
##	11248	-3.144e+04	+	+	1.869e+02	-5.940e+01	6.454e+02	7.789
##	16042	-6.293e+04	+			1.067e+02	1.158e+03	
##	7108	7.061e+03	+	+				9.029
##	19140	1.196e+04	+	+				9.144
##	11203	5.833e+03		+				9.503
##	12202	-6.229e+04	+			1.043e+02	1.161e+03	
##	15343	-3.476e+04		+	2.034e+02	-8.928e+01	6.839e+02	8.947
##	2764	9.059e+03	+	+		4.328e+00		8.706
##	15339	-2.536e+04		+		-6.286e+01	6.561e+02	8.714
##	23531	-2.363e+04		+		-4.560e+01	7.167e+02	8.821
##	31467	-2.338e+04		+		-5.486e+01	6.914e+02	8.729
##	27631	-3.243e+04		+	2.215e+02	-5.857e+01	7.608e+02	8.774
##	10955	7.572e+03		+		-1.184e+01		9.673
##	12200	-8.389e+04	+	+	1.938e+02		1.642e+03	
##	3015	1.200e+03		+	9.985e+01			9.405
##	7107	5.112e+03		+				9.639
##	15340	-2.409e+04	+	+		-4.439e+01	6.312e+02	7.828
##	27331	6.736e+03		+				9.444
##	31468	-2.257e+04	+	+		-3.793e+01	6.585e+02	7.833
##	12196	-7.782e+04	+	+			1.711e+03	
##	23236	1.002e+04	+	+				9.071
##	3016	2.127e+03	+	+	1.263e+02			8.798
##	7112	-8.715e+02	+	+	1.604e+02			8.731
##	19143	7.277e+03		+	1.484e+02			9.911
##	23532	-2.257e+04	+	+		-2.989e+01	6.851e+02	7.960
##	2531	-2.711e+04		+			6.041e+02	8.276
##	27627	-2.338e+04		+		-4.271e+01	6.945e+02	8.543
##	11204	7.853e+03	+	+				8.990
##	23240	4.056e+03	+	+	2.019e+02			9.151
##	31716	-2.224e+04	+	+			6.173e+02	7.388
##	6860	8.243e+03	+	+		-8.054e-01		8.852
##	19144	7.308e+03	+	+	1.677e+02			9.221
##	27332	7.105e+03	+	+				8.766
##	10956	7.633e+03	+	+		6.651e+00		8.733

## 15047	-2.116e+03		+	1.448e+02			9.292
## 31719	-3.108e+04		+	2.069e+02		6.729e+02	8.210
## 19395	8.997e+03		+				9.830
## 15335	-2.974e+04		+	1.270e+02		5.013e+02	7.653
## 31715	-2.286e+04		+			6.321e+02	8.140
## 6855	1.564e+03		+	9.589e+01			9.301
## 3019	7.157e+03		+		-8.974e+00		9.744
## 8106	-6.309e+04	+			1.023e+02	1.175e+03	
## 31728	-3.456e+04	+	+	2.695e+02	-5.611e+01	7.412e+02	8.128
## 16296	-8.562e+04	+	+	2.219e+02		1.629e+03	
## 23235	1.019e+04		+				9.871
## 10959	1.396e+03		+	1.577e+02	-2.901e+01		9.834
## 27632	-3.155e+04	+	+	2.304e+02	-4.302e+01	7.349e+02	7.976
## 11207	-9.292e+02		+	1.334e+02			9.310
## 11208	-7.768e+01	+	+	1.625e+02			8.677
## 7854	-6.334e+04	+		1.567e+01	9.150e+01	1.196e+03	
## 24234	-6.247e+04	+			9.576e+01	1.193e+03	
## 27336	1.833e+03	+	+	1.784e+02			8.824
## 27335	2.034e+03		+	1.581e+02			9.552
## 15056	-1.469e+03	+	+	2.124e+02	-2.116e+01		9.038
## 4014	-6.353e+04	+		1.628e+01	1.009e+02	1.179e+03	
## 20394	-6.271e+04	+			1.030e+02	1.173e+03	
## 10960	9.430e+02	+	+	1.710e+02	-1.071e+01		8.844
## 6859	8.526e+03		+		-2.173e+01		9.948
## 6864	1.987e+03	+	+	1.645e+02	-1.918e+01		8.984
## 31727	-3.475e+04		+	2.462e+02	-7.191e+01	7.721e+02	9.097
## 15304	-2.923e+03	+	+	1.945e+02			8.615
## 31432	-1.037e+03	+	+	2.109e+02			8.775
## 15300	6.795e+03	+	+				8.991
## 2275	-2.292e+04		+			5.625e+02	8.232
## 2767	5.193e+03		+	1.045e+02	-2.690e+01		9.792
## 31428	5.516e+03	+	+				8.717
## 3755	-7.491e+04		+		9.770e+01	1.406e+03	
## 19396	9.808e+03	+	+				9.219
## 15052	7.011e+03	+	+		1.738e+00		8.864
## 2768	4.651e+03	+	+	1.192e+02	-8.196e+00		8.779
## 3020	7.398e+03	+	+		8.293e+00		8.826
## 20142	-6.213e+04	+		7.490e+00	9.686e+01	1.204e+03	
## 27628	-2.224e+04	+	+		-2.774e+01	6.681e+02	7.796
## 32426	-6.418e+04	+			9.125e+01	1.101e+03	
## 2532	-2.617e+04	+	+			6.146e+02	7.886
## 19147	1.150e+04		+		-1.386e+00		9.814
## 7111	-7.507e+02		+	1.141e+02			9.496
## 15299	4.855e+03		+				9.594
## 19399	4.645e+03		+	1.523e+02			9.955
## 16046	-6.681e+04	+		7.585e+01	9.585e+01	1.180e+03	
## 16292	-7.847e+04	+	+			1.708e+03	
## 28334	-6.549e+04	+		4.041e+01	8.906e+01	1.124e+03	
## 28586	-6.337e+04	+			8.929e+01	1.108e+03	
## 23239	5.346e+03		+	1.645e+02			10.020
## 2539	-2.818e+04		+		-4.580e+01	7.141e+02	8.898
## 15051	7.169e+03		+		-1.794e+01		9.908
## 17891	-3.156e+04		+			4.311e+02	7.053
## 2276	-2.214e+04	+	+			5.780e+02	7.781

## 31427	5.770e+03		+				9.530
## 12206	-6.531e+04	+		6.013e+01	9.612e+01	1.178e+03	
## 16298	-6.265e+04	+			1.035e+02	1.163e+03	
## 3746	-7.718e+04	+				1.675e+03	
## 19148	1.125e+04	+	+		1.620e+01		8.840
## 28322	-7.530e+04	+				1.344e+03	
## 1763	-2.547e+04		+			5.282e+02	6.719
## 23492	8.055e+03	+	+				9.143
## 7116	6.773e+03	+	+		3.009e+00		8.954
## 31723	-2.437e+04		+		-5.135e+01	6.974e+02	8.764
## 19400	5.030e+03	+	+	1.699e+02			9.299
## 18915	-2.658e+04		+			6.812e+02	8.555
## 23496	2.000e+03	+	+	2.033e+02			9.225
## 11211	6.813e+03		+		-9.131e+00		9.708
## 20130	-7.391e+04	+				1.465e+03	
## 27587	6.169e+03		+				9.538
## 2283	-2.447e+04		+		-5.438e+01	6.961e+02	8.974
## 15055	-7.542e+01		+	1.819e+02	-3.959e+01		10.170
## 3023	2.651e+03		+	1.178e+02	-2.187e+01		9.871
## 6627	-2.785e+04		+			6.041e+02	8.340
## 23491	7.778e+03		+				9.909
## 4011	-7.774e+04		+		1.043e+02	1.421e+03	
## 3750	-7.985e+04	+		1.370e+02		1.601e+03	
## 1507	-3.145e+04		+			5.730e+02	7.771
## 18659	-2.263e+04		+			6.729e+02	8.620
## 7115	6.705e+03		+		-1.557e+01		9.995
## 31724	-2.334e+04	+	+		-3.584e+01	6.642e+02	7.889
## 6863	3.564e+03		+	1.311e+02	-3.806e+01		10.140
## 27339	7.147e+03		+		-1.382e+01		9.653
## 2019	-2.877e+04		+			5.576e+02	6.874
## 10467	-2.425e+04		+			5.689e+02	8.323
## 10723	-2.725e+04		+			6.029e+02	8.307
## 15303	-2.710e+03		+	1.459e+02			9.399
## 2535	-2.878e+04		+	3.746e+01		6.010e+02	8.241
## 7120	3.039e+01	+	+	1.730e+02	-1.590e+01		9.104
## 31431	4.310e+02		+	1.727e+02			9.666
## 19151	7.599e+03		+	1.518e+02	-9.061e+00		10.060
## 23244	9.731e+03	+	+		7.299e+00		8.935
## 3024	2.442e+03	+	+	1.299e+02	-4.997e+00		8.916
## 17859	-9.441e+03		+				8.052
## 21987	-3.376e+04		+			4.301e+02	7.149
## 11212	7.053e+03	+	+		8.200e+00		8.786
## 27588	6.693e+03	+	+				8.855
## 23248	4.161e+03	+	+	2.033e+02	-3.639e+00		9.219
## 19152	6.993e+03	+	+	1.649e+02	8.880e+00		9.054
## 28323	-8.619e+04		+			1.471e+03	
## 6628	-2.712e+04	+	+			6.178e+02	7.876
## 5859	-2.727e+04		+			5.293e+02	6.894
## 27340	6.998e+03	+	+		3.749e+00		8.700
## 11947	-7.588e+04		+		9.890e+01	1.409e+03	
## 19403	8.995e+03		+		4.064e-02		9.829
## 20139	-7.567e+04		+		8.085e+01	1.348e+03	
## 6372	-2.333e+04	+	+			5.828e+02	7.775
## 11215	7.374e+02		+	1.562e+02	-2.627e+01		9.866

## 6371	-2.373e+04		+			5.629e+02	8.300
## 23495	2.734e+03		+	1.683e+02			10.060
## 8110	-6.470e+04	+		3.077e+01	9.789e+01	1.185e+03	
## 27591	1.443e+03		+	1.586e+02			9.648
## 24490	-6.321e+04	+			1.008e+02	1.170e+03	
## 28331	-7.835e+04		+		6.597e+01	1.292e+03	
## 23243	1.059e+04		+		-9.957e+00		10.040
## 27343	2.445e+03		+	1.677e+02	-2.341e+01		9.912
## 1251	-2.724e+04		+			5.307e+02	7.744
## 27592	1.437e+03	+	+	1.781e+02			8.911
## 11942	-8.371e+04	+		1.965e+02		1.604e+03	
## 24238	-6.352e+04	+		2.300e+01	9.374e+01	1.206e+03	
## 10468	-2.340e+04	+	+			5.830e+02	7.889
## 5860	-2.679e+04	+	+			5.433e+02	6.383
## 6115	-3.046e+04		+			5.581e+02	7.042
## 2540	-2.714e+04	+	+		-3.404e+01	6.944e+02	8.422
## 11216	4.758e+02	+	+	1.695e+02	-9.170e+00		8.892
## 20398	-6.357e+04	+		1.880e+01	1.016e+02	1.183e+03	
## 15312	-1.845e+03	+	+	2.109e+02	-1.978e+01		9.076
## 1764	-2.473e+04	+	+			5.372e+02	6.345
## 18403	-2.956e+04		+			4.673e+02	6.453
## 21955	-1.170e+04		+				8.146
## 28578	-7.276e+04	+				1.324e+03	
## 6635	-2.925e+04		+		-5.172e+01	7.284e+02	9.059
## 20395	-7.931e+04		+		8.301e+01	1.345e+03	
## 27344	1.932e+03	+	+	1.803e+02	-5.472e+00		8.920
## 7119	1.106e+03		+	1.435e+02	-3.288e+01		10.210
## 2279	-2.328e+04		+	8.624e+00		5.616e+02	8.224
## 18916	-2.583e+04	+	+			6.749e+02	8.143
## 31688	-1.379e+03	+	+	2.104e+02			8.855
## 31440	-8.159e+02	+	+	2.182e+02	-1.772e+01		9.086
## 18660	-2.200e+04	+	+			6.662e+02	8.154
## 10475	-2.572e+04		+		-5.304e+01	6.990e+02	9.044
## 5603	-3.331e+04		+			5.813e+02	7.899
## 28326	-7.913e+04	+		1.111e+02		1.372e+03	
## 31684	5.145e+03	+	+				8.800
## 2284	-2.345e+04	+	+		-4.045e+01	6.742e+02	8.422
## 7851	-7.422e+04		+		9.858e+01	1.398e+03	
## 9699	-3.116e+04		+			5.751e+02	7.719
## 19404	9.079e+03	+	+		1.641e+01		8.911
## 15308	6.489e+03	+	+		3.190e+00		8.911
## 18147	-2.561e+04		+			4.614e+02	6.405
## 3759	-7.604e+04		+	2.468e+01	9.509e+01	1.410e+03	
## 2536	-2.860e+04	+	+	5.567e+01		6.107e+02	7.811
## 31436	5.632e+03	+	+		-4.610e+00		8.797
## 17892	-3.091e+04	+	+			4.274e+02	6.763
## 32430	-6.675e+04	+		5.462e+01	8.621e+01	1.128e+03	
## 21988	-3.331e+04	+	+			4.233e+02	6.673
## 2543	-3.172e+04		+	7.533e+01	-5.410e+01	7.279e+02	8.940
## 10724	-2.631e+04	+	+			6.134e+02	7.918
## 4002	-7.472e+04	+				1.640e+03	
## 32682	-6.388e+04	+			8.706e+01	1.105e+03	
## 6379	-2.570e+04		+		-6.060e+01	7.119e+02	9.147
## 17635	-2.683e+04		+			4.125e+02	7.167

## 20131	-8.502e+04		+			1.592e+03	
## 18923	-2.764e+04		+		-3.782e+01	7.451e+02	8.971
## 15307	6.414e+03		+		-1.522e+01		9.942
## 32418	-7.576e+04	+				1.335e+03	
## 24226	-7.447e+04	+				1.452e+03	
## 7846	-8.116e+04	+		1.559e+02		1.593e+03	
## 7842	-7.776e+04	+				1.676e+03	
## 10731	-2.833e+04		+		-4.609e+01	7.135e+02	8.934
## 16302	-6.650e+04	+		7.484e+01	9.306e+01	1.184e+03	
## 23247	5.898e+03		+	1.739e+02	-2.081e+01		10.370
## 18919	-3.032e+04		+	8.874e+01		7.040e+02	8.580
## 31683	5.177e+03		+				9.627
## 19407	4.932e+03		+	1.552e+02	-7.763e+00		10.080
## 18667	-2.391e+04		+		-4.184e+01	7.438e+02	9.079
## 28590	-6.515e+04	+		3.836e+01	8.620e+01	1.126e+03	
## 26083	-3.143e+04		+			4.458e+02	7.102
## 17895	-2.976e+04		+	-4.436e+01		4.214e+02	7.032
## 17899	-3.178e+04		+		-1.549e+01	4.528e+02	7.224
## 20134	-7.655e+04	+		7.908e+01		1.493e+03	
## 23011	-2.729e+04		+			6.782e+02	8.604
## 11938	-7.795e+04	+				1.685e+03	
## 1767	-2.711e+04		+	4.451e+01		5.211e+02	6.660
## 31435	6.313e+03		+		-2.200e+01		9.872
## 2020	-2.792e+04	+	+			5.628e+02	6.558
## 22499	-3.147e+04		+			4.595e+02	6.596
## 2280	-2.342e+04	+	+	3.112e+01		5.751e+02	7.738
## 9955	-2.568e+04		+			5.301e+02	6.715
## 1771	-2.542e+04		+		5.882e+00	5.171e+02	6.624
## 22244	-2.707e+04	+	+			4.469e+02	5.854
## 17603	-5.777e+03		+				8.121
## 6116	-2.963e+04	+	+			5.667e+02	6.577
## 22755	-2.338e+04		+			6.699e+02	8.670
## 2287	-2.684e+04		+	5.233e+01	-6.038e+01	7.052e+02	9.005
## 22243	-2.754e+04		+			4.536e+02	6.549
## 26851	-2.357e+04		+			6.426e+02	8.558
## 18663	-2.567e+04		+	7.429e+01		6.918e+02	8.643
## 21956	-1.161e+04	+	+				7.636
## 15311	-7.187e+02		+	1.803e+02	-3.686e+01		10.200
## 1511	-3.359e+04		+	5.235e+01		5.674e+02	7.709
## 1508	-3.105e+04	+	+			5.762e+02	7.621
## 2023	-3.134e+04		+	6.529e+01		5.487e+02	6.796
## 17860	-8.963e+03	+	+				7.736
## 14563	-2.493e+04		+			5.690e+02	8.381
## 23500	7.740e+03	+	+		7.729e+00		8.999
## 27107	-2.657e+04		+			6.817e+02	8.556
## 5347	-2.919e+04		+			5.397e+02	7.876
## 19408	4.709e+03	+	+	1.671e+02	8.992e+00		9.130
## 10211	-2.867e+04		+			5.569e+02	6.917
## 20386	-7.387e+04	+				1.466e+03	
## 1515	-3.125e+04		+		1.446e+01	5.426e+02	7.560
## 6631	-2.998e+04		+	4.681e+01		6.003e+02	8.300
## 19169	-1.756e+04					7.275e+02	8.129
## 1731	4.355e+03		+				8.607
## 20387	-8.873e+04		+			1.595e+03	

## 14819	-2.795e+04		+			6.030e+02	8.365
## 18371	-6.047e+03		+				7.707
## 27595	6.509e+03		+		-1.057e+01		9.693
## 12203	-7.776e+04		+		1.039e+02	1.420e+03	
## 23504	2.096e+03	+	+	2.045e+02	-3.266e+00		9.286
## 8107	-7.696e+04		+		1.055e+02	1.411e+03	
## 31439	7.758e+02		+	1.895e+02	-3.502e+01		10.220
## 6380	-2.484e+04	+	+		-4.455e+01	6.892e+02	8.480
## 4015	-7.954e+04		+	3.790e+01	1.005e+02	1.427e+03	
## 21995	-3.444e+04		+		-3.026e+01	4.724e+02	7.495
## 18115	-2.450e+03		+				7.644
## 21731	-2.902e+04		+			4.115e+02	7.263
## 22500	-3.066e+04	+	+			4.529e+02	5.969
## 6636	-2.826e+04	+	+		-3.807e+01	7.072e+02	8.475
## 17863	-7.361e+03		+	-7.080e+01			7.982
## 4006	-7.933e+04	+		1.319e+02		1.598e+03	
## 2027	-2.873e+04		+		1.231e+01	5.350e+02	6.679
## 13795	-3.313e+04		+			5.842e+02	7.852
## 10471	-2.600e+04		+	3.942e+01		5.652e+02	8.292
## 23499	8.126e+03		+		-8.405e+00		10.050
## 14564	-2.438e+04	+	+			5.871e+02	7.872
## 2243	9.522e+03		+				10.100
## 31687	-1.951e+02		+	1.734e+02			9.766
## 2499	7.984e+03		+				10.250
## 10727	-2.941e+04		+	4.786e+01		5.987e+02	8.268
## 30179	-3.364e+04		+			4.463e+02	7.203
## 3747	-8.796e+04		+			1.862e+03	
## 6632	-3.062e+04	+	+	7.796e+01		6.127e+02	7.771
## 28579	-8.800e+04		+			1.490e+03	
## 5863	-2.990e+04		+	6.779e+01		5.185e+02	6.817
## 18148	-2.479e+04	+	+			4.592e+02	5.917
## 22756	-2.311e+04	+	+			6.588e+02	8.097
## 28587	-8.013e+04		+		7.119e+01	1.304e+03	
## 5864	-3.090e+04	+	+	1.076e+02		5.283e+02	6.187
## 17867	-9.893e+03		+		7.868e+00		7.940
## 26051	-9.238e+03		+				8.071
## 12198	-8.055e+04	+		1.771e+02		1.574e+03	
## 21991	-3.262e+04		+	-2.685e+01		4.242e+02	7.134
## 23012	-2.679e+04	+	+			6.677e+02	8.090
## 18404	-2.863e+04	+	+			4.651e+02	6.035
## 12194	-7.447e+04	+				1.633e+03	
## 16038	-8.483e+04	+		2.127e+02		1.596e+03	
## 10476	-2.469e+04	+	+		-4.008e+01	6.784e+02	8.523
## 22212	-4.721e+03	+	+				7.044
## 21699	-8.034e+03		+				8.215
## 6119	-3.410e+04		+	8.840e+01		5.460e+02	6.952
## 11951	-7.860e+04		+	5.663e+01	9.308e+01	1.418e+03	
## 22467	-8.434e+03		+				7.833
## 5867	-2.733e+04		+		-4.501e+00	5.378e+02	6.969
## 14051	-2.737e+04		+			5.302e+02	6.890
## 27596	6.519e+03	+	+		5.712e+00		8.758
## 14820	-2.721e+04	+	+			6.168e+02	7.901
## 1252	-2.681e+04	+	+			5.368e+02	7.529
## 6376	-2.568e+04	+	+	5.525e+01		5.781e+02	7.696

## 5604	-3.297e+04	+	+		5.892e+02	7.643
## 16043	-7.505e+04		+	1.000e+02	1.398e+03	
## 22211	-4.862e+03		+			7.771
## 28327	-8.695e+04		+	1.974e+01	1.476e+03	
## 3753	-7.550e+04			8.047e+01	1.422e+03	
## 32422	-8.026e+04	+		1.274e+02	1.366e+03	
## 32419	-8.615e+04		+		1.471e+03	
## 21732	-2.876e+04	+	+		4.046e+02	6.711
## 28582	-7.637e+04	+		9.570e+01	1.351e+03	
## 14571	-2.679e+04		+	-5.886e+01	7.134e+02	9.200
## 32674	-7.311e+04	+			1.313e+03	
## 6639	-3.387e+04		+	9.448e+01 -6.309e+01	7.480e+02	9.138
## 18920	-2.996e+04	+	+	9.890e+01	6.999e+02	8.147
## 2544	-3.095e+04	+	+	8.185e+01 -4.252e+01	7.085e+02	8.445
## 24235	-7.520e+04		+	8.190e+01	1.344e+03	
## 14307	-3.040e+04		+		5.572e+02	7.097
## 20143	-7.476e+04		+	-2.122e+01 8.171e+01	1.339e+03	
## 23503	3.276e+03		+	1.770e+02 -1.940e+01		10.390
## 6375	-2.451e+04		+	1.818e+01	5.610e+02	8.284
## 17636	-2.618e+04	+	+		4.085e+02	6.805
## 5827	2.625e+03		+			8.784
## 27599	1.849e+03		+	1.668e+02 -2.021e+01		9.950
## 10479	-2.983e+04		+	8.635e+01 -6.273e+01	7.145e+02	9.107
## 5607	-3.640e+04		+	7.162e+01	5.743e+02	7.825
## 18664	-2.551e+04	+	+	8.632e+01	6.878e+02	8.157
## 1987	2.966e+03		+			8.828
## 1768	-2.699e+04	+	+	6.309e+01	5.279e+02	6.227
## 24494	-6.472e+04	+		3.216e+01 9.829e+01	1.187e+03	
## 10472	-2.602e+04	+	+	5.989e+01	5.781e+02	7.818
## 1255	-2.811e+04		+	2.288e+01	5.276e+02	7.716
## 9443	-2.702e+04		+		5.294e+02	7.734
## 26852	-2.298e+04	+	+		6.346e+02	8.083
## 22468	-7.940e+03	+	+			7.172
## 1259	-2.712e+04		+	5.883e+00	5.180e+02	7.658
## 18668	-2.301e+04	+	+	-3.004e+01	7.180e+02	8.546
## 1772	-2.445e+04	+	+	2.037e+01	5.000e+02	5.963
## 32427	-7.786e+04		+	6.707e+01	1.288e+03	
## 21959	-1.004e+04		+	-5.371e+01		8.090
## 18927	-3.239e+04		+	1.079e+02 -4.469e+01	7.843e+02	9.077
## 28335	-7.807e+04		+	-6.530e+00 6.627e+01	1.290e+03	
## 5868	-2.657e+04	+	+	1.266e+01	5.202e+02	6.145
## 18924	-2.671e+04	+	+	-2.749e+01	7.222e+02	8.503
## 26339	-2.641e+04		+		4.471e+02	6.290
## 19170	-1.625e+04	+			7.091e+02	7.725
## 21700	-8.130e+03	+	+			7.632
## 11945	-7.585e+04			9.559e+01	1.380e+03	
## 8098	-7.507e+04	+			1.637e+03	
## 24230	-7.783e+04	+		9.743e+01	1.483e+03	
## 10732	-2.729e+04	+	+	-3.448e+01	6.942e+02	8.462
## 6120	-3.450e+04	+	+	1.217e+02	5.516e+02	6.371
## 14052	-2.678e+04	+	+		5.433e+02	6.383
## 9700	-3.074e+04	+	+		5.785e+02	7.561
## 6123	-3.044e+04		+	2.203e+00	5.540e+02	7.005
## 2288	-2.616e+04	+	+	6.072e+01 -4.694e+01	6.841e+02	8.440



## 30147	-1.142e+04		+				8.174
## 23019	-2.875e+04		+		-4.483e+01	7.531e+02	9.111
## 9956	-2.490e+04	+	+			5.385e+02	6.344
## 21963	-1.147e+04		+		-4.772e+00		8.216
## 18411	-2.963e+04		+		-7.794e+00	4.767e+02	6.553
## 2244	1.101e+04	+	+				9.738
## 14827	-2.935e+04		+		-5.183e+01	7.275e+02	9.087
## 9707	-3.094e+04		+		1.576e+01	5.420e+02	7.488
## 26595	-2.952e+04		+			4.700e+02	6.474
## 18407	-2.957e+04		+	2.076e-01		4.674e+02	6.453
## 5611	-3.317e+04		+		6.710e+00	5.670e+02	7.798
## 22763	-2.510e+04		+		-4.913e+01	7.522e+02	9.223
## 19173	-2.318e+04			1.236e+02		7.879e+02	8.041
## 5348	-2.903e+04	+	+			5.522e+02	7.556
## 27361	-1.948e+04					6.656e+02	7.969
## 18116	-1.732e+03	+	+				7.143
## 27600	1.509e+03	+	+	1.794e+02	-3.581e+00		8.973
## 17604	-5.324e+03	+	+				7.736
## 9703	-3.237e+04		+	2.917e+01		5.719e+02	7.687
## 6383	-2.912e+04		+	7.248e+01	-6.965e+01	7.263e+02	9.210
## 26859	-2.535e+04		+		-4.869e+01	7.159e+02	9.073
## 17639	-2.435e+04		+	-6.262e+01		3.990e+02	7.136
## 10735	-3.259e+04		+	8.916e+01	-5.603e+01	7.296e+02	8.998
## 10728	-2.922e+04	+	+	6.593e+01		6.084e+02	7.839
## 18671	-2.800e+04		+	9.515e+01	-4.801e+01	7.784e+02	9.175
## 26084	-3.081e+04	+	+			4.410e+02	6.814
## 24491	-7.880e+04		+		8.418e+01	1.340e+03	
## 21996	-3.380e+04	+	+		-2.003e+01	4.517e+02	6.934
## 25827	-2.733e+04		+			3.982e+02	7.106
## 27108	-2.587e+04	+	+			6.723e+02	8.138
## 30180	-3.321e+04	+	+			4.379e+02	6.728
## 18155	-2.570e+04		+		-9.436e+00	4.728e+02	6.527
## 20399	-7.845e+04		+	-2.018e+01	8.382e+01	1.337e+03	
## 17643	-2.716e+04		+		-1.998e+01	4.407e+02	7.388
## 31696	-1.149e+03	+	+	2.171e+02	-1.603e+01		9.129
## 17896	-2.940e+04	+	+	-3.780e+01		4.192e+02	6.754
## 23015	-3.151e+04		+	9.783e+01		7.029e+02	8.638
## 18151	-2.547e+04		+	-3.719e+00		4.607e+02	6.404
## 17900	-3.106e+04	+	+		-7.612e+00	4.383e+02	6.864
## 7855	-7.515e+04		+	1.893e+01	9.650e+01	1.402e+03	
## 21992	-3.292e+04	+	+	-9.416e+00		4.213e+02	6.671
## 18372	-5.211e+03	+	+				7.274
## 1739	6.894e+02		+		3.747e+01		7.750
## 2024	-3.095e+04	+	+	7.959e+01		5.526e+02	6.421
## 31692	5.220e+03	+	+		-2.779e+00		8.847
## 32686	-6.638e+04	+		5.262e+01	8.253e+01	1.130e+03	
## 10435	8.622e+03		+				10.200
## 1475	2.095e+03		+				9.687
## 1732	5.473e+03	+	+				8.299
## 17607	-3.296e+03		+	-8.706e+01			8.034
## 2500	9.375e+03	+	+				9.931
## 25795	-7.635e+03		+				7.980
## 5828	3.808e+03	+	+				8.358
## 16034	-7.835e+04	+				1.684e+03	

## 26087	-2.955e+04			+ -4.609e+01		4.361e+02	7.081
## 8102	-8.038e+04	+		1.484e+02		1.588e+03	
## 2028	-2.767e+04	+	+		2.435e+01	5.191e+02	6.106
## 1219	3.607e+03		+				9.540
## 20135	-8.536e+04		+	8.733e+00		1.594e+03	
## 24227	-8.511e+04		+			1.592e+03	
## 24482	-7.423e+04	+				1.453e+03	
## 27115	-2.782e+04		+	-3.954e+01		7.387e+02	8.974
## 10212	-2.784e+04	+	+			5.620e+02	6.603
## 26091	-3.163e+04		+	-1.227e+01		4.610e+02	7.231
## 17903	-3.014e+04		+	-3.972e+01	-1.364e+01	4.415e+02	7.185
## 6640	-3.362e+04	+	+	1.114e+02	-5.025e+01	7.285e+02	8.515
## 14572	-2.586e+04	+	+		-4.395e+01	6.919e+02	8.567
## 22759	-2.688e+04		+	8.352e+01		6.907e+02	8.701
## 13796	-3.277e+04	+	+			5.927e+02	7.579
## 22507	-3.186e+04		+	-2.400e+01		4.875e+02	6.918
## 3751	-9.151e+04		+	1.124e+02		1.825e+03	
## 31691	5.686e+03		+	-1.875e+01			9.911
## 14308	-2.957e+04	+	+			5.658e+02	6.632
## 9959	-2.777e+04		+	5.298e+01		5.229e+02	6.641
## 26307	-4.467e+03		+				7.440
## 27111	-3.032e+04		+	8.874e+01		7.042e+02	8.581
## 30436	-2.779e+04	+	+			4.336e+02	5.743
## 26855	-2.675e+04		+	7.673e+01		6.611e+02	8.579
## 30947	-2.425e+04		+			6.410e+02	8.608
## 30435	-2.825e+04		+			4.405e+02	6.441
## 22251	-2.799e+04		+	-2.581e+01		4.837e+02	6.896
## 20390	-7.700e+04	+		8.217e+01		1.492e+03	
## 6083	1.307e+03		+				8.996
## 1512	-3.344e+04	+	+	6.016e+01		5.702e+02	7.525
## 21739	-2.989e+04		+	-3.495e+01		4.606e+02	7.661
## 1775	-2.708e+04		+	4.388e+01	8.424e-01	5.196e+02	6.647
## 17864	-7.112e+03	+	+	-6.386e+01			7.690
## 6384	-2.915e+04	+	+	9.265e+01	-5.497e+01	7.060e+02	8.514
## 1735	1.407e+03		+	6.429e+01			8.485
## 1516	-3.061e+04	+	+	2.175e+01		5.315e+02	7.254
## 19174	-2.285e+04	+		1.509e+02		7.791e+02	7.538
## 10977	-2.088e+04					4.601e+02	7.390
## 31203	-2.726e+04		+			6.801e+02	8.607
## 22503	-3.234e+04		+	2.279e+01		4.638e+02	6.606
## 30691	-3.141e+04		+			4.636e+02	6.629
## 22248	-2.900e+04	+	+	5.188e+01		4.565e+02	5.852
## 9963	-2.563e+04		+	6.075e+00		5.187e+02	6.616
## 4003	-9.053e+04		+			1.893e+03	
## 16294	-8.158e+04	+		1.932e+02		1.564e+03	
## 17611	-5.935e+03		+	2.856e+00			8.081
## 6124	-2.941e+04	+	+	1.676e+01		5.365e+02	6.266
## 17868	-9.872e+03	+	+	1.679e+01			7.459
## 6339	8.741e+03		+				10.160
## 5351	-3.090e+04		+	4.200e+01		5.345e+02	7.832
## 10215	-3.086e+04		+	5.495e+01		5.495e+02	6.842
## 23016	-3.184e+04	+	+	1.179e+02		6.966e+02	8.088
## 11939	-8.897e+04		+			1.869e+03	
## 21960	-1.050e+04	+	+	-3.580e+01			7.612

##	22760	-2.756e+04	+	+	1.064e+02		6.847e+02	8.095
##	22252	-2.725e+04	+	+		-9.933e+00	4.587e+02	6.006
##	1519	-3.318e+04		+	4.553e+01	9.699e+00	5.477e+02	7.576
##	13539	-2.892e+04		+			5.379e+02	7.864
##	14567	-2.710e+04		+	4.772e+01		5.645e+02	8.347
##	22247	-2.825e+04		+	1.893e+01		4.572e+02	6.557
##	14568	-2.803e+04	+	+	8.133e+01		5.808e+02	7.774
##	21964	-1.188e+04	+	+		5.578e+00		7.545
##	6595	7.256e+03		+				10.310
##	30148	-1.141e+04	+	+				7.656
##	26052	-8.829e+03	+	+				7.750
##	19425	-1.822e+04					7.164e+02	8.147
##	19177	-1.786e+04				-1.550e+01	7.434e+02	8.330
##	5355	-2.925e+04		+		-2.176e+00	5.444e+02	7.908
##	1995	-1.531e+03		+		4.442e+01		7.836
##	10219	-2.863e+04		+		1.284e+01	5.333e+02	6.714
##	14823	-3.055e+04		+	5.639e+01		5.982e+02	8.325
##	2031	-3.116e+04		+	6.128e+01	5.499e+00	5.391e+02	6.713
##	27365	-2.649e+04			1.461e+02		7.255e+02	7.835
##	23265	-1.781e+04					7.251e+02	8.153
##	29923	-2.947e+04		+			3.983e+02	7.206
##	9923	4.312e+03		+				8.607
##	18379	-6.707e+03		+		1.286e+01		7.499
##	4009	-7.624e+04				9.561e+01	1.389e+03	
##	22764	-2.442e+04	+	+		-3.648e+01	7.211e+02	8.570
##	21735	-2.716e+04		+	-4.543e+01		4.017e+02	7.237
##	13799	-3.521e+04		+	4.795e+01		5.793e+02	7.806
##	18375	-5.364e+03		+	-2.574e+01			7.684
##	31695	1.983e+02		+	1.886e+02	-3.182e+01		10.260
##	26563	-6.302e+03		+				7.666
##	1483	-3.618e+03		+		5.237e+01		8.554
##	26340	-2.561e+04	+	+			4.443e+02	5.793
##	12207	-8.027e+04		+	5.298e+01	9.834e+01	1.428e+03	
##	18123	-3.005e+03		+		1.107e+01		7.465
##	18119	-1.682e+03		+	-2.923e+01			7.618
##	30187	-3.429e+04		+		-2.721e+01	4.799e+02	7.499
##	22504	-3.260e+04	+	+	5.203e+01		4.625e+02	5.967
##	17871	-7.874e+03		+	-7.332e+01	1.021e+01		7.834
##	2503	5.498e+03		+	5.048e+01			10.190
##	16299	-7.692e+04		+		1.050e+02	1.409e+03	
##	26055	-7.068e+03		+	-7.159e+01			8.007
##	10691	7.756e+03		+				10.280
##	10480	-2.906e+04	+	+	9.284e+01	-4.993e+01	6.942e+02	8.569
##	32678	-7.741e+04	+		1.120e+02		1.343e+03	
##	13803	-3.297e+04		+		7.557e+00	5.681e+02	7.738
##	21999	-3.380e+04		+	-1.474e+01	-2.940e+01	4.680e+02	7.477
##	20391	-8.913e+04		+	1.047e+01		1.598e+03	
##	24483	-8.879e+04		+			1.595e+03	
##	18883	5.978e+03		+				10.040
##	5608	-3.688e+04	+	+	9.205e+01		5.818e+02	7.500
##	30948	-2.401e+04	+	+			6.293e+02	8.032
##	30404	-6.564e+03	+	+				6.849
##	2247	8.340e+03		+	2.456e+01			10.060
##	27362	-1.817e+04	+				6.473e+02	7.565

## 22508	-3.085e+04	+	+	-9.992e+00	4.648e+02	6.122
## 2507	6.564e+03		+	1.221e+01		9.988
## 16290	-7.480e+04	+			1.631e+03	
## 8111	-7.855e+04		+	3.154e+01	1.021e+02	1.417e+03
## 2251	9.200e+03		+	2.850e+00		10.030
## 14828	-2.836e+04	+	+	-3.834e+01	7.068e+02	8.505
## 23020	-2.794e+04	+	+	-3.363e+01	7.250e+02	8.526
## 18627	9.412e+03		+			10.080
## 29891	-9.762e+03		+			8.080
## 14575	-3.196e+04		+	1.050e+02	-7.161e+01	7.347e+02
## 30692	-3.064e+04	+	+		4.547e+02	5.985
## 6340	1.015e+04	+	+			9.747
## 1740	8.085e+02	+	+	5.267e+01		6.960
## 30403	-6.688e+03		+			7.579
## 5871	-3.062e+04		+	8.049e+01	-1.503e+01	5.449e+02
## 21703	-5.922e+03		+	-7.026e+01		8.140
## 30183	-3.243e+04		+	-2.856e+01	4.403e+02	7.189
## 14824	-3.115e+04	+	+	8.679e+01	6.106e+02	7.796
## 14055	-3.045e+04		+	7.490e+01	5.200e+02	6.800
## 10978	-1.918e+04	+			4.588e+02	6.966
## 5831	-1.572e+03		+	8.781e+01		8.635
## 26059	-9.665e+03		+	9.381e+00		7.948
## 18156	-2.472e+04	+	+	4.823e+00	4.534e+02	5.843
## 18152	-2.516e+04	+	+	1.067e+01	4.613e+02	5.917
## 7843	-8.774e+04		+		1.860e+03	
## 14056	-3.140e+04	+	+	1.140e+02	5.297e+02	6.173
## 5872	-3.089e+04	+	+	1.075e+02	1.369e-01	5.281e+02
## 1991	-9.643e+02		+	8.332e+01		8.687
## 5835	-8.058e+01		+	2.945e+01		8.092
## 28583	-8.873e+04		+	1.904e+01	1.495e+03	
## 23023	-3.439e+04		+	1.239e+02	-5.395e+01	7.996e+02
## 1988	4.000e+03	+	+			8.556
## 32675	-8.797e+04		+		1.490e+03	
## 10436	1.010e+04	+	+			9.855
## 32683	-7.961e+04		+	7.237e+01	1.300e+03	
## 14311	-3.360e+04		+	7.717e+01	5.469e+02	7.005
## 18928	-3.160e+04	+	+	1.120e+02	-3.422e+01	7.621e+02
## 18408	-2.907e+04	+	+	1.224e+01	4.675e+02	6.036
## 21707	-7.565e+03		+	-9.985e+00		8.361
## 18412	-2.857e+04	+	+	4.245e+00	4.599e+02	5.970
## 26596	-2.862e+04	+	+		4.660e+02	6.044
## 1260	-2.645e+04	+	+	1.533e+01	5.047e+02	7.269
## 28591	-7.971e+04		+	-9.578e+00	7.164e+01	1.301e+03
## 21740	-2.935e+04	+	+	-2.301e+01	4.375e+02	7.011
## 27366	-2.625e+04	+		1.747e+02	7.148e+02	7.313
## 1256	-2.808e+04	+	+	3.409e+01	5.326e+02	7.473
## 7849	-7.461e+04			8.063e+01	1.414e+03	
## 3757	-7.304e+04			-4.690e+01	8.900e+01	1.401e+03
## 22220	-5.200e+03	+	+	1.179e+01		6.826
## 18672	-2.728e+04	+	+	1.002e+02	-3.613e+01	7.536e+02
## 22216	-5.477e+03	+	+	2.702e+01		7.056
## 5832	-2.012e+03	+	+	1.264e+02		8.063
## 5612	-3.259e+04	+	+	1.663e+01	5.547e+02	7.362
## 29924	-2.921e+04	+	+		3.913e+02	6.653

## 9444	-2.654e+04	+	+		5.353e+02	7.512
## 9667	2.500e+03		+			9.642
## 31204	-2.681e+04	+	+		6.665e+02	8.088
## 5836	-2.216e+02	+	+	4.670e+01		7.167
## 26860	-2.442e+04	+	+	-3.691e+01	6.914e+02	8.551
## 1227	-9.198e+02		+	4.270e+01		8.604
## 5571	8.369e+02		+			9.829
## 6127	-3.454e+04		+	9.673e+01 -1.010e+01	5.635e+02	7.110
## 28329	-7.702e+04			7.960e+01	1.319e+03	
## 26856	-2.663e+04	+	+	8.904e+01	6.557e+02	8.084
## 25828	-2.670e+04	+	+		3.938e+02	6.740
## 10179	3.018e+03		+			8.869
## 30659	-8.576e+03		+			7.809
## 14059	-2.743e+04		+	-4.353e+00	5.384e+02	6.963
## 14831	-3.467e+04		+	1.075e+02 -6.482e+01	7.494e+02	9.191
## 22475	-8.342e+03		+	-2.178e+00		7.869
## 22767	-3.008e+04		+	1.117e+02 -5.748e+01	7.941e+02	9.359
## 22471	-8.360e+03		+	-2.606e+00		7.830
## 17640	-2.408e+04	+	+	-5.403e+01	3.970e+02	6.792
## 20137	-7.529e+04			8.472e+01	1.431e+03	
## 22219	-4.692e+03		+	-4.143e+00		7.840
## 21736	-2.775e+04	+	+	-2.476e+01	3.994e+02	6.707
## 22215	-4.693e+03		+	-6.029e+00		7.765
## 16047	-7.763e+04		+	5.056e+01 9.462e+01	1.409e+03	
## 5315	2.288e+03		+			9.689
## 10736	-3.178e+04	+	+	9.502e+01 -4.453e+01	7.104e+02	8.508
## 26308	-3.790e+03	+	+			6.929
## 29892	-9.857e+03	+	+			7.496
## 6084	2.543e+03	+	+			8.588
## 6596	8.640e+03	+	+			9.932
## 11943	-9.400e+04		+	1.460e+02	1.824e+03	
## 17644	-2.639e+04	+	+	-1.018e+01	4.231e+02	6.940
## 23266	-1.670e+04	+			6.991e+02	7.720
## 16041	-7.462e+04			9.653e+01	1.366e+03	
## 25796	-7.201e+03	+	+			7.590
## 30955	-2.652e+04		+	-5.585e+01	7.244e+02	9.216
## 26863	-2.982e+04		+	1.018e+02 -5.574e+01	7.510e+02	9.175
## 10985	-2.145e+04			-4.531e+01	5.592e+02	8.125
## 14019	2.633e+03		+			8.784
## 32423	-8.694e+04		+	1.968e+01	1.476e+03	
## 1776	-2.644e+04	+	+	5.361e+01 1.470e+01	5.025e+02	5.969
## 19181	-2.485e+04			1.466e+02 -3.152e+01	8.315e+02	8.433
## 9960	-2.765e+04	+	+	7.145e+01	5.296e+02	6.209
## 14315	-3.038e+04		+	2.488e+00	5.527e+02	7.056
## 17608	-3.122e+03	+	+	-7.817e+01		7.679
## 5615	-3.650e+04		+	7.308e+01 -1.857e+00	5.781e+02	7.852
## 9708	-3.026e+04	+	+	2.347e+01	5.303e+02	7.164
## 27112	-3.001e+04	+	+	9.898e+01	6.968e+02	8.140
## 9447	-2.779e+04		+	1.887e+01	5.271e+02	7.714
## 5352	-3.175e+04	+	+	6.761e+01	5.453e+02	7.447
## 9451	-2.691e+04		+	5.758e+00	5.170e+02	7.650
## 1263	-2.794e+04		+	2.020e+01 3.686e+00	5.201e+02	7.666
## 19429	-2.506e+04			1.395e+02	7.762e+02	8.060
## 24239	-7.407e+04		+	-2.499e+01 8.304e+01	1.334e+03	

## 21704	-6.646e+03	+	+	-4.925e+01			7.599
## 14576	-3.178e+04	+	+	1.219e+02	-5.750e+01	7.148e+02	8.633
## 22476	-8.430e+03	+	+		1.201e+01		6.951
## 4007	-9.496e+04		+	1.268e+02		1.856e+03	
## 18124	-2.946e+03	+	+		2.611e+01		6.656
## 22472	-8.690e+03	+	+	2.685e+01			7.184
## 30151	-9.678e+03		+	-5.465e+01			8.121
## 30660	-8.223e+03	+	+				7.120
## 9964	-2.462e+04	+	+		2.045e+01	5.013e+02	5.960
## 21967	-9.939e+03		+	-5.291e+01	-2.521e+00		8.127
## 26347	-2.662e+04		+		-1.414e+01	4.628e+02	6.463
## 9704	-3.223e+04	+	+	3.695e+01		5.747e+02	7.506
## 1736	1.868e+03	+	+	8.195e+01			8.101
## 14312	-3.406e+04	+	+	1.116e+02		5.523e+02	6.423
## 21708	-8.219e+03	+	+		1.879e+00		7.601
## 2252	9.157e+03	+	+		1.781e+01		9.312
## 10945	5.321e+03						8.978
## 19426	-1.665e+04	+				7.032e+02	7.745
## 25835	-2.784e+04		+		-2.438e+01	4.297e+02	7.362
## 6087	-3.926e+03		+	1.067e+02			8.836
## 2248	8.901e+03	+	+	4.544e+01			9.659
## 28300	-2.127e+04	+	+		1.655e+02		
## 13540	-2.866e+04	+	+			5.502e+02	7.531
## 26343	-2.643e+04		+	6.398e-01		4.472e+02	6.290
## 11949	-7.674e+04			1.655e+01	9.318e+01	1.385e+03	
## 14060	-2.657e+04	+	+		1.266e+01	5.202e+02	6.145
## 19178	-1.628e+04	+			-1.210e+00	7.104e+02	7.743
## 12201	-7.592e+04				9.669e+01	1.378e+03	
## 25831	-2.495e+04		+	-5.959e+01		3.862e+02	7.080
## 17612	-6.034e+03	+	+		1.346e+01		7.513
## 1479	-1.128e+03		+	6.826e+01			9.582
## 27119	-3.266e+04		+	1.090e+02	-4.689e+01	7.768e+02	9.082
## 23269	-2.374e+04			1.279e+02		7.863e+02	8.074
## 27369	-1.982e+04				-1.648e+01	6.820e+02	8.181
## 1996	-1.242e+03	+	+		5.740e+01		7.125
## 17647	-2.488e+04		+	-5.663e+01	-1.727e+01	4.246e+02	7.329
## 30155	-1.128e+04		+		-3.545e+00		8.222
## 27116	-2.689e+04	+	+		-2.922e+01	7.157e+02	8.506
## 5356	-2.876e+04	+	+		1.005e+01	5.310e+02	7.385
## 25799	-5.189e+03		+	-8.137e+01			7.908
## 24486	-7.806e+04	+		9.897e+01		1.483e+03	
## 18628	9.740e+03	+	+				9.574
## 9711	-3.175e+04		+	1.885e+01	1.374e+01	5.442e+02	7.497
## 6128	-3.437e+04	+	+	1.195e+02	3.096e+00	5.463e+02	6.317
## 32431	-7.739e+04		+	-1.026e+01	6.760e+01	1.284e+03	
## 6091	-2.181e+03		+		3.659e+01		8.157
## 14531	7.947e+03		+				10.260
## 27617	-1.926e+04					6.660e+02	7.938
## 18120	-1.348e+03	+	+	-1.493e+01			7.135
## 18380	-6.408e+03	+	+		2.585e+01		6.792
## 9675	-3.336e+03		+		5.364e+01		8.481
## 26603	-2.960e+04		+		-7.236e+00	4.779e+02	6.561
## 31457	-1.965e+04					6.644e+02	7.988
## 18415	-2.974e+04		+	3.004e+00	-7.935e+00	4.774e+02	6.556

##	26599	-2.950e+04		+	-4.570e-01		4.699e+02	6.474
##	26088	-2.922e+04	+	+	-3.956e+01		4.328e+02	6.807
##	31211	-2.893e+04		+		-4.654e+01	7.467e+02	9.113
##	26819	4.916e+03		+				9.841
##	30188	-3.364e+04	+	+		-1.693e+01	4.593e+02	6.939
##	2508	6.664e+03	+	+		2.530e+01		9.336
##	2504	6.168e+03	+	+	6.732e+01			9.825
##	23270	-2.422e+04	+		1.678e+02		7.732e+02	7.510
##	1220	4.258e+03	+	+				9.377
##	26092	-3.090e+04	+	+		-4.312e+00	4.464e+02	6.869
##	1476	2.569e+03	+	+				9.574
##	10439	5.903e+03		+	5.447e+01			10.140
##	1743	-6.052e+02		+	3.704e+01	3.335e+01		7.774
##	18159	-2.569e+04		+	-3.918e-01	-9.418e+00	4.727e+02	6.526
##	17904	-2.959e+04	+	+	-3.603e+01	-6.086e+00	4.283e+02	6.835
##	22000	-3.370e+04	+	+	-2.322e+00	-1.990e+01	4.511e+02	6.932
##	30184	-3.274e+04	+	+	-1.118e+01		4.356e+02	6.726
##	18884	6.450e+03	+	+				9.581
##	2032	-3.035e+04	+	+	6.863e+01	1.724e+01	5.230e+02	6.120
##	10216	-3.053e+04	+	+	7.010e+01		5.532e+02	6.470
##	3745	-8.759e+04					1.824e+03	
##	9931	6.094e+02		+		3.764e+01		7.747
##	22768	-2.999e+04	+	+	1.259e+02	-4.504e+01	7.663e+02	8.678
##	1223	1.711e+03		+	4.118e+01			9.472
##	26564	-5.571e+03	+	+				7.209
##	13800	-3.569e+04	+	+	6.838e+01		5.868e+02	7.479
##	24495	-7.770e+04		+	-2.431e+01	8.529e+01	1.330e+03	
##	10220	-2.758e+04	+	+		2.479e+01	5.175e+02	6.144
##	18376	-4.856e+03	+	+	-1.373e+01			7.267
##	31207	-3.149e+04		+	9.782e+01		7.046e+02	8.641
##	10692	9.147e+03	+	+				9.962
##	17615	-3.575e+03		+	-8.853e+01	5.783e+00		7.950
##	9924	5.452e+03	+	+				8.299
##	9411	3.803e+03		+				9.520
##	30951	-2.787e+04		+	8.555e+01		6.614e+02	8.638
##	14275	1.311e+03		+				9.049
##	23024	-3.408e+04	+	+	1.363e+02	-4.280e+01	7.740e+02	8.642
##	25803	-7.484e+03		+		-3.507e+00		8.026
##	10443	8.124e+03		+		4.377e+00		10.110
##	30443	-2.891e+04		+		-3.052e+01	4.738e+02	6.832
##	14020	3.868e+03	+	+				8.355
##	29931	-3.060e+04		+		-3.954e+01	4.494e+02	7.636
##	13804	-3.235e+04	+	+		1.815e+01	5.551e+02	7.272
##	26095	-2.986e+04		+	-4.247e+01	-1.008e+01	4.493e+02	7.189
##	5579	-4.149e+03		+		4.766e+01		8.774
##	14832	-3.436e+04	+	+	1.231e+02	-5.201e+01	7.300e+02	8.572
##	10946	6.962e+03	+					8.547
##	27373	-2.851e+04			1.730e+02	-3.561e+01	7.721e+02	8.268
##	6088	-4.012e+03	+	+	1.392e+02			8.291
##	1484	-3.529e+03	+	+		6.102e+01		8.121
##	30440	-2.990e+04	+	+	5.599e+01		4.434e+02	5.736
##	14316	-2.935e+04	+	+		1.709e+01	5.350e+02	6.315
##	17872	-8.013e+03	+	+	-6.755e+01	1.861e+01		7.380
##	1520	-3.270e+04	+	+	4.978e+01	1.689e+01	5.366e+02	7.257

## 22511	-3.320e+04		+	3.442e+01	-2.613e+01	4.965e+02	6.963
## 6092	-2.033e+03	+	+		5.137e+01		7.305
## 10981	-2.324e+04			4.648e+01		4.603e+02	7.294
## 28321	-8.637e+04					1.514e+03	
## 19430	-2.433e+04	+		1.622e+02		7.704e+02	7.571
## 26311	-3.843e+03		+	-2.258e+01			7.424
## 13763	1.175e+03		+				9.792
## 24231	-8.549e+04		+	9.567e+00		1.595e+03	
## 26315	-4.665e+03		+		4.952e+00		7.366
## 30699	-3.183e+04		+		-2.349e+01	4.886e+02	6.925
## 21743	-2.854e+04		+	-3.160e+01	-3.305e+01	4.512e+02	7.621
## 30444	-2.812e+04	+	+		-1.449e+01	4.496e+02	5.956
## 9967	-2.777e+04		+	5.288e+01	1.265e-01	5.227e+02	6.639
## 30952	-2.858e+04	+	+	1.086e+02		6.544e+02	8.027
## 9927	9.578e+02		+	7.102e+01			8.475
## 7847	-9.158e+04		+	1.128e+02		1.825e+03	
## 22255	-2.920e+04		+	3.131e+01	-2.776e+01	4.920e+02	6.936
## 30956	-2.579e+04	+	+		-4.311e+01	6.952e+02	8.574
## 19182	-2.378e+04	+		1.615e+02	-1.709e+01	8.033e+02	7.783
## 12195	-9.048e+04		+			1.889e+03	
## 30439	-2.911e+04		+	2.271e+01		4.446e+02	6.449
## 10187	-1.523e+03		+		4.487e+01		7.869
## 14532	9.383e+03	+	+				9.852
## 15073	-2.108e+04					4.592e+02	7.415
## 26056	-6.897e+03	+	+	-6.448e+01			7.709
## 6599	4.233e+03		+	5.998e+01			10.250
## 11233	-2.081e+04					4.596e+02	7.378
## 6343	7.054e+03		+	3.423e+01			10.120
## 13543	-3.049e+04		+	3.693e+01		5.339e+02	7.829
## 22256	-2.942e+04	+	+	5.666e+01	-1.291e+01	4.727e+02	6.049
## 5359	-3.137e+04		+	4.849e+01	-8.064e+00	5.513e+02	7.947
## 1999	-3.451e+03		+	5.283e+01	3.876e+01		7.873
## 8105	-7.517e+04				9.685e+01	1.376e+03	
## 26060	-9.621e+03	+	+		1.848e+01		7.466
## 30695	-3.225e+04		+	2.189e+01		4.675e+02	6.637
## 22979	5.045e+03		+				10.080
## 22723	8.438e+03		+				10.130
## 14787	7.074e+03		+				10.340
## 6347	8.843e+03		+		-9.395e-01		10.180
## 13547	-2.898e+04		+		-2.499e+00	5.434e+02	7.902
## 21968	-1.078e+04	+	+	-3.762e+01	6.925e+00		7.498
## 8099	-9.028e+04		+			1.891e+03	
## 10223	-3.061e+04		+	4.927e+01	7.264e+00	5.369e+02	6.735
## 30152	-1.025e+04	+	+	-3.651e+01			7.635
## 1992	-3.928e+02	+	+	9.698e+01			8.345
## 23273	-1.821e+04				-1.751e+01	7.424e+02	8.386
## 27075	3.871e+03		+				9.904
## 19433	-1.833e+04				-1.220e+01	7.311e+02	8.301
## 29927	-2.769e+04		+	-4.271e+01		3.897e+02	7.184
## 10982	-2.311e+04	+		8.143e+01		4.590e+02	6.749
## 10986	-1.986e+04	+			-3.109e+01	5.270e+02	7.543
## 23521	-1.843e+04					7.144e+02	8.169
## 16035	-8.866e+04		+			1.867e+03	
## 30156	-1.167e+04	+	+		6.965e+00		7.550



## 6603	6.284e+03		+		8.640e+00		10.130
## 5323	-1.549e+03		+		3.778e+01		8.842
## 10695	4.629e+03		+	6.228e+01			10.210
## 31461	-2.693e+04			1.495e+02		7.249e+02	7.864
## 1228	-9.131e+02	+	+		5.319e+01		8.094
## 1487	-4.744e+03		+	3.071e+01	4.940e+01		8.571
## 31458	-1.851e+04	+				6.404e+02	7.566
## 29895	-7.714e+03		+	-6.497e+01			8.018
## 6344	6.857e+03	+	+	6.906e+01			9.629
## 18383	-5.974e+03		+	-2.967e+01	1.394e+01		7.456
## 15074	-1.956e+04	+				4.555e+02	6.983
## 31208	-3.186e+04	+	+	1.179e+02		6.950e+02	8.084
## 4013	-7.511e+04			-2.082e+01	9.855e+01	1.381e+03	
## 27621	-2.648e+04			1.461e+02		7.255e+02	7.834
## 26571	-6.822e+03		+		1.210e+01		7.487
## 20393	-7.638e+04				9.383e+01	1.383e+03	
## 18127	-2.206e+03		+	-3.270e+01	1.226e+01		7.418
## 5316	3.058e+03	+	+				9.450
## 26567	-5.622e+03		+	-2.469e+01			7.648
## 13807	-3.509e+04		+	4.624e+01	2.073e+00	5.750e+02	7.776
## 20108	-1.479e+04	+	+		1.907e+02		
## 26063	-7.522e+03		+	-7.506e+01	1.228e+01		7.842
## 26820	5.172e+03	+	+				9.320
## 20129	-8.513e+04					1.651e+03	
## 5840	-3.785e+03	+	+	9.791e+01	3.578e+01		7.217
## 31462	-2.746e+04	+		1.901e+02		7.107e+02	7.292
## 10989	-2.749e+04			1.149e+02	-6.291e+01	5.982e+02	8.174
## 29899	-9.175e+03		+		-1.665e+01		8.308
## 27618	-1.766e+04	+				6.469e+02	7.483
## 10699	6.379e+03		+		1.187e+01		10.020
## 26344	-2.617e+04	+	+	1.541e+01		4.471e+02	5.792
## 26348	-2.561e+04	+	+		1.295e-01	4.442e+02	5.791
## 30191	-3.353e+04		+	-1.736e+01	-2.610e+01	4.749e+02	7.478
## 5575	-3.392e+03		+	8.655e+01			9.712
## 1744	-8.737e+02	+	+	4.822e+01	4.770e+01		6.970
## 18887	4.745e+03		+	4.118e+01			10.070
## 2511	4.865e+03		+	4.450e+01	7.971e+00		10.030
## 22512	-3.302e+04	+	+	5.683e+01	-1.298e+01	4.788e+02	6.165
## 26864	-2.907e+04	+	+	1.066e+02	-4.388e+01	7.274e+02	8.640
## 16303	-7.927e+04		+	4.660e+01	9.998e+01	1.418e+03	
## 22724	8.166e+03	+	+				9.496
## 6348	8.567e+03	+	+		1.533e+01		9.380
## 30408	-7.538e+03	+	+	3.332e+01			6.859
## 5616	-3.650e+04	+	+	8.694e+01	7.447e+00	5.667e+02	7.382
## 5839	-2.577e+03		+	6.880e+01	2.084e+01		8.178
## 30696	-3.257e+04	+	+	5.172e+01		4.636e+02	5.977
## 18631	8.599e+03		+	2.819e+01			10.110
## 18891	5.597e+03		+		7.240e+00		9.931
## 2255	8.309e+03		+	2.423e+01	4.173e-01		10.050
## 30959	-3.190e+04		+	1.183e+02	-6.520e+01	7.667e+02	9.359
## 30412	-6.748e+03	+	+		5.841e+00		6.747
## 5572	1.517e+03	+	+				9.634
## 27370	-1.824e+04	+			-2.289e+00	6.498e+02	7.600
## 10440	6.546e+03	+	+	7.341e+01			9.747

##	18635	9.254e+03		+		3.162e+00		10.040
##	10180	4.037e+03	+	+				8.600
##	9932	7.599e+02	+	+		5.274e+01		6.960
##	30411	-6.361e+03		+		-1.030e+01		7.740
##	21711	-5.662e+03		+	-6.797e+01	-7.017e+00		8.245
##	11234	-1.879e+04	+				4.566e+02	6.897
##	14063	-3.123e+04		+	8.857e+01	-1.563e+01	5.476e+02	7.045
##	30700	-3.083e+04	+	+		-9.736e+00	4.653e+02	6.126
##	30407	-6.685e+03		+	-1.311e-01			7.579
##	24487	-8.923e+04		+	1.111e+01		1.598e+03	
##	10183	-4.667e+02		+	7.357e+01			8.734
##	14023	-1.925e+03		+	9.320e+01			8.626
##	6600	4.296e+03	+	+	8.923e+01			9.792
##	31212	-2.812e+04	+	+		-3.535e+01	7.186e+02	8.529
##	32396	-2.248e+04	+	+		1.607e+02		
##	29932	-3.002e+04	+	+		-2.743e+01	4.273e+02	6.997
##	7853	-7.137e+04			-5.781e+01	9.117e+01	1.386e+03	
##	10444	8.164e+03	+	+		1.851e+01		9.413
##	18160	-2.506e+04	+	+	9.412e+00	4.444e+00	4.556e+02	5.849
##	9671	2.703e+02		+	4.650e+01			9.575
##	5319	-5.509e+02		+	5.944e+01			9.602
##	9668	3.003e+03	+	+				9.523
##	14276	2.549e+03	+	+				8.642
##	14027	-9.527e+01		+		2.950e+01		8.091
##	32425	-7.585e+04				8.155e+01	1.311e+03	
##	27374	-2.746e+04	+		1.883e+02	-2.107e+01	7.432e+02	7.612
##	14064	-3.142e+04	+	+	1.143e+02	-4.254e-01	5.304e+02	6.180
##	9452	-2.617e+04	+	+		1.536e+01	5.032e+02	7.252
##	1264	-2.748e+04	+	+	2.611e+01	1.270e+01	5.071e+02	7.271
##	22980	5.042e+03	+	+				9.507
##	9448	-2.772e+04	+	+	2.966e+01		5.321e+02	7.468
##	25832	-2.469e+04	+	+	-5.083e+01		3.838e+02	6.731
##	9419	-7.180e+02		+		4.245e+01		8.591
##	25800	-5.051e+03	+	+	-7.227e+01			7.546
##	24233	-7.425e+04				8.648e+01	1.425e+03	
##	13507	2.507e+03		+				9.667
##	14319	-3.398e+04		+	8.443e+01	-8.328e+00	5.613e+02	7.133
##	21744	-2.864e+04	+	+	-1.680e+01	-2.212e+01	4.327e+02	6.997
##	1231	-1.193e+03		+	7.748e+00	4.191e+01		8.608
##	13771	-3.899e+03		+		4.858e+01		8.716
##	6604	6.230e+03	+	+		2.272e+01		9.397
##	25836	-2.706e+04	+	+		-1.457e+01	4.130e+02	6.926
##	31215	-3.467e+04		+	1.251e+02	-5.621e+01	7.919e+02	9.262
##	14024	-2.320e+03	+	+	1.311e+02			8.056
##	22224	-5.825e+03	+	+	2.377e+01	1.082e+01		6.855
##	18416	-2.897e+04	+	+	1.117e+01	3.795e+00	4.627e+02	5.977
##	29928	-2.831e+04	+	+	-2.190e+01		3.870e+02	6.650
##	20141	-7.302e+04			-4.733e+01	8.887e+01	1.400e+03	
##	26604	-2.854e+04	+	+		4.645e+00	4.608e+02	5.976
##	26600	-2.905e+04	+	+	1.203e+01		4.682e+02	6.042
##	27622	-2.585e+04	+		1.714e+02		7.134e+02	7.278
##	26316	-4.526e+03	+	+		2.003e+01		6.575
##	27120	-3.188e+04	+	+	1.131e+02	-3.644e+01	7.544e+02	8.599
##	12199	-9.558e+04		+	1.469e+02		1.844e+03	

## 14028	-1.733e+02	+	+	4.660e+01		7.168
## 29896	-8.474e+03	+	+	-4.378e+01		7.472
## 32679	-8.872e+04		+	1.902e+01	1.495e+03	
## 27329	9.861e+03					9.425
## 17648	-2.433e+04	+	+	-5.169e+01 -7.959e+00	4.089e+02	6.898
## 28333	-7.645e+04			-1.150e+01 8.067e+01	1.313e+03	
## 28585	-7.705e+04			8.022e+01	1.318e+03	
## 32687	-7.899e+04		+	-1.358e+01 7.308e+01	1.295e+03	
## 30667	-8.471e+03		+	-3.036e+00		7.855
## 30663	-8.518e+03		+	-1.985e+00		7.807
## 11241	-2.105e+04			-5.116e+01	5.688e+02	8.141
## 22479	-8.294e+03		+	-1.821e+00 -2.087e+00		7.866
## 9676	-3.238e+03	+	+	6.267e+01		8.029
## 23277	-2.588e+04			1.558e+02 -3.590e+01	8.353e+02	8.533
## 3749	-8.977e+04			8.605e+01	1.784e+03	
## 22223	-4.574e+03		+	-4.552e+00 -3.914e+00		7.831
## 29900	-9.697e+03	+	+	-4.511e+00		7.565
## 19437	-2.611e+04			1.560e+02 -2.679e+01	8.155e+02	8.389
## 14788	8.472e+03	+	+			9.957
## 26312	-3.578e+03	+	+	-7.801e+00		6.926
## 5580	-4.209e+03	+	+	5.811e+01		8.246
## 15081	-2.180e+04			-4.715e+01	5.616e+02	8.197
## 17616	-3.861e+03	+	+	-8.135e+01 1.571e+01		7.417
## 25804	-7.492e+03	+	+	7.167e+00		7.478
## 6095	-5.305e+03		+	8.334e+01 2.649e+01		8.264
## 23522	-1.698e+04	+			6.952e+02	7.734
## 23274	-1.679e+04	+		-3.259e+00	7.027e+02	7.769
## 9968	-2.709e+04	+	+	6.194e+01 1.397e+01	5.054e+02	5.965
## 16297	-7.471e+04			9.811e+01	1.363e+03	
## 16045	-7.493e+04			5.529e+00 9.572e+01	1.368e+03	
## 13544	-3.126e+04	+	+	6.156e+01	5.447e+02	7.441
## 9455	-2.759e+04		+	1.577e+01 4.065e+00	5.188e+02	7.657
## 14283	-2.196e+03		+	3.679e+01		8.206
## 16039	-9.398e+04		+	1.458e+02	1.824e+03	
## 23525	-2.557e+04			1.434e+02	7.749e+02	8.091
## 9712	-3.124e+04	+	+	2.296e+01 2.116e+01	5.327e+02	7.169
## 10949	2.999e+03			4.603e+01		8.884
## 5360	-3.159e+04	+	+	6.556e+01 2.936e+00	5.394e+02	7.401
## 10188	-1.236e+03	+	+	5.775e+01		7.162
## 1480	-8.575e+02	+	+	7.513e+01		9.430
## 19137	1.770e+04					9.923
## 5324	-1.765e+03	+	+	5.032e+01		8.232
## 21712	-6.792e+03	+	+	-5.024e+01 3.715e+00		7.538
## 2000	-3.471e+03	+	+	6.165e+01 5.124e+01		7.144
## 25839	-2.572e+04		+	-5.148e+01 -2.165e+01	4.158e+02	7.311
## 14279	-3.400e+03		+	9.604e+01		8.890
## 30915	4.128e+03		+			9.891
## 18128	-2.444e+03	+	+	-2.059e+01 2.671e+01		6.634
## 10953	6.495e+03			-1.048e+01		9.227
## 15041	5.019e+03					9.005
## 14535	4.746e+03		+	6.290e+01		10.190
## 9928	1.426e+03	+	+	8.855e+01		8.092
## 22480	-9.048e+03	+	+	2.352e+01 1.105e+01		6.979
## 30159	-9.655e+03		+	-5.435e+01 -8.470e-01		8.133

## 30668	-8.592e+03	+	+	1.095e+01		6.932
## 30960	-3.174e+04	+	+	1.321e+02	-5.266e+01	7.403e+02 8.688
## 30664	-9.047e+03	+	+	2.846e+01		7.127
## 11201	5.404e+03					8.953
## 2256	7.854e+03	+	+	3.544e+01	1.452e+01	9.330
## 27076	4.184e+03	+	+			9.424
## 13548	-2.839e+04	+	+		9.959e+00	5.292e+02 7.362
## 26351	-2.685e+04		+	6.129e+00	-1.445e+01	4.643e+02 6.468
## 11937	-8.868e+04					1.838e+03
## 1224	1.984e+03	+	+	5.119e+01		9.272
## 27625	-1.954e+04				-2.146e+01	6.876e+02 8.192
## 6096	-6.082e+03	+	+	1.084e+02	3.955e+01	7.369
## 8103	-9.500e+04		+	1.270e+02		1.856e+03
## 10990	-2.647e+04	+		1.286e+02	-4.939e+01	5.674e+02 7.540
## 18636	8.933e+03	+	+		1.658e+01	9.296
## 28304	-1.993e+04	+	+	-4.856e+01	1.663e+02	
## 19434	-1.664e+04	+			9.724e-01	7.020e+02 7.731
## 18632	8.567e+03	+	+	4.089e+01		9.597
## 25807	-5.181e+03		+	-8.129e+01	-2.595e-01	7.911
## 12205	-7.685e+04			1.726e+01	9.429e+01	1.383e+03
## 14320	-3.386e+04	+	+	1.081e+02	4.614e+00	5.444e+02 6.344
## 31465	-2.008e+04				-1.806e+01	6.820e+02 8.227
## 28556	-2.175e+04	+	+		1.677e+02	
## 10696	5.304e+03	+	+	7.901e+01		9.849
## 9412	4.501e+03	+	+			9.349
## 2512	4.614e+03	+	+	5.378e+01	2.052e+01	9.363
## 9679	-3.455e+03		+	3.203e+00	5.332e+01	8.483
## 10950	3.055e+03	+		8.118e+01		8.331
## 23278	-2.551e+04	+		1.826e+02	-2.216e+01	8.042e+02 7.827
## 26823	3.798e+03		+	3.649e+01		9.869
## 31713	-1.942e+04					6.647e+02 7.957
## 15042	6.359e+03	+				8.553
## 23526	-2.548e+04	+		1.773e+02		7.656e+02 7.540
## 14539	7.849e+03		+		8.968e-01	10.240
## 18384	-5.934e+03	+	+	-1.932e+01	2.641e+01	6.771
## 10700	6.497e+03	+	+		2.483e+01	9.376
## 7841	-8.678e+04					1.817e+03
## 26572	-6.542e+03	+	+		2.497e+01	6.776
## 26827	5.209e+03		+		-9.696e+00	9.973
## 18888	4.906e+03	+	+	5.206e+01		9.611
## 26096	-2.930e+04	+	+	-3.879e+01	-2.481e+00	4.361e+02 6.838
## 13764	1.911e+03	+	+			9.583
## 18892	5.476e+03	+	+		1.934e+01	9.257
## 26607	-2.968e+04		+	2.348e+00	-7.359e+00	4.784e+02 6.563
## 30916	3.844e+03	+	+			9.255
## 9935	-9.687e+02		+	4.310e+01	3.299e+01	7.773
## 4001	-8.678e+04					1.812e+03
## 10224	-2.984e+04	+	+	5.731e+01	1.875e+01	5.212e+02 6.147
## 20364	-1.774e+04	+	+		1.924e+02	
## 9415	2.085e+03		+	3.606e+01		9.466
## 30192	-3.343e+04	+	+	-4.925e+00	-1.665e+01	4.579e+02 6.935
## 24204	-1.613e+04	+	+		1.854e+02	
## 14536	4.728e+03	+	+	9.439e+01		9.713
## 10447	5.977e+03		+	5.528e+01	-1.009e+00	10.160

## 27330	1.044e+04	+				8.917
## 2793	-1.783e+04			-7.739e+01	5.855e+02	8.482
## 5583	-6.083e+03		+	5.124e+01	4.222e+01	8.825
## 14284	-2.048e+03	+	+		5.162e+01	7.353
## 13808	-3.506e+04	+	+	5.987e+01	1.169e+01	5.633e+02
## 28577	-8.503e+04					1.505e+03
## 13767	-2.004e+03		+	6.436e+01		9.709
## 26568	-5.251e+03	+	+	-1.191e+01		7.205
## 30447	-3.042e+04		+	3.824e+01	-3.307e+01	4.835e+02
## 11202	7.274e+03	+				8.454
## 15078	-2.432e+04	+		9.693e+01		4.550e+02
## 29935	-2.948e+04		+	-2.589e+01	-3.785e+01	4.420e+02
## 31469	-2.941e+04			1.812e+02	-3.958e+01	7.763e+02
## 28325	-8.848e+04			5.453e+01		1.532e+03
## 1488	-4.870e+03	+	+	3.664e+01	5.771e+01	8.130
## 19138	1.818e+04	+				9.396
## 14280	-3.559e+03	+	+	1.297e+02		8.343
## 10954	6.469e+03	+			4.780e+00	8.422
## 31216	-3.437e+04	+	+	1.375e+02	-4.510e+01	7.661e+02
## 32417	-8.575e+04					1.512e+03
## 5576	-3.442e+03	+	+	1.051e+02		9.442
## 11941	-9.364e+04			1.463e+02		1.787e+03
## 30448	-3.058e+04	+	+	6.311e+01	-1.810e+01	4.647e+02
## 15077	-2.362e+04			4.924e+01		4.592e+02
## 27629	-2.821e+04			1.707e+02	-3.860e+01	7.746e+02
## 15082	-2.028e+04	+			-3.213e+01	5.259e+02
## 5320	-7.660e+02	+	+	8.282e+01		9.288
## 26064	-7.642e+03	+	+	-6.936e+01	2.082e+01	7.387
## 14791	3.444e+03		+	7.091e+01		10.270
## 19438	-2.488e+04	+		1.693e+02	-1.331e+01	7.902e+02
## 11237	-2.326e+04			4.668e+01		4.604e+02
## 31171	3.072e+03		+			9.955
## 26319	-4.030e+03		+	-2.448e+01	5.978e+00	7.332
## 10191	-2.957e+03		+	3.943e+01	4.058e+01	7.892
## 13772	-3.950e+03	+	+		5.966e+01	8.156
## 14540	7.712e+03	+	+		1.614e+01	9.467
## 30703	-3.317e+04		+	3.402e+01	-2.579e+01	4.971e+02
## 15329	-2.101e+04					4.586e+02
## 11242	-1.932e+04	+			-3.757e+01	5.373e+02
## 13551	-3.096e+04		+	4.333e+01	-7.655e+00	5.498e+02
## 3724	-6.368e+03	+	+		2.490e+02	
## 8109	-7.335e+04			-3.174e+01	1.014e+02	1.363e+03
## 22983	3.472e+03		+	5.059e+01		10.130
## 16291	-9.017e+04		+			1.887e+03
## 3041	-1.925e+04					4.362e+02
## 6607	4.041e+03		+	5.782e+01	2.677e+00	10.190
## 10184	3.663e+01	+	+	8.804e+01		8.393
## 6351	7.398e+03		+	3.856e+01	-5.106e+00	10.230
## 13515	-1.305e+03		+		3.732e+01	8.832
## 22727	7.304e+03		+	3.773e+01		10.160
## 24489	-7.522e+04				9.629e+01	1.374e+03
## 9420	-6.687e+02	+	+		5.307e+01	8.070
## 5327	-2.617e+03		+	2.927e+01	3.453e+01	8.872
## 13508	3.359e+03	+	+			9.413

## 27079	2.505e+03			+	4.414e+01			9.939
## 14795	6.125e+03			+		8.448e+00		10.150
## 31714	-1.796e+04	+					6.396e+02	7.475
## 23529	-1.861e+04					-1.434e+01	7.312e+02	8.355
## 1232	-1.454e+03	+	+		1.533e+01	5.175e+01		8.098
## 22731	8.554e+03			+		-2.622e+00		10.170
## 30160	-1.049e+04	+	+		-3.909e+01	8.641e+00		7.503
## 22987	4.965e+03			+		1.714e+00		10.060
## 15085	-2.857e+04				1.253e+02	-6.724e+01	6.053e+02	8.285
## 29903	-7.392e+03			+	-5.999e+01	-1.360e+01		8.209
## 11238	-2.270e+04	+			7.809e+01		4.576e+02	6.713
## 1761	-2.773e+04						5.514e+02	6.177
## 15330	-1.912e+04	+					4.528e+02	6.902
## 20112	-1.297e+04	+	+		-7.156e+01	1.912e+02		
## 31470	-2.904e+04	+			2.080e+02	-2.584e+01	7.452e+02	7.657
## 27083	3.888e+03			+		-5.236e-01		9.912
## 20385	-8.598e+04						1.641e+03	
## 10703	4.147e+03			+	5.726e+01	6.321e+00		10.080
## 31717	-2.692e+04				1.494e+02		7.248e+02	7.864
## 26824	3.659e+03	+	+		4.963e+01			9.343
## 6352	6.224e+03	+	+		6.221e+01	9.315e+00		9.418
## 24225	-8.465e+04						1.650e+03	
## 11245	-2.700e+04				1.120e+02	-6.749e+01	6.054e+02	8.186
## 20397	-7.491e+04				-2.962e+01	9.603e+01	1.366e+03	
## 26575	-6.077e+03			+	-2.898e+01	1.334e+01		7.448
## 22728	6.297e+03	+	+		6.177e+01			9.527
## 31466	-1.863e+04	+				-4.094e+00	6.448e+02	7.628
## 19884	-7.460e+04	+	+			1.127e+02	1.087e+03	
## 20133	-8.591e+04				2.051e+01		1.659e+03	
## 14032	-4.021e+03	+	+		1.018e+02	3.554e+01		7.217
## 9936	-1.201e+03	+	+		5.366e+01	4.735e+01		6.971
## 31718	-2.698e+04	+			1.863e+02		7.088e+02	7.249
## 26828	5.063e+03	+	+			3.766e+00		9.261
## 27626	-1.783e+04	+				-8.129e+00	6.558e+02	7.596
## 14031	-2.885e+03			+	7.394e+01	2.057e+01		8.176
## 26352	-2.618e+04	+	+		1.559e+01	-5.723e-01	4.478e+02	5.800
## 18895	4.503e+03			+	3.947e+01	5.595e+00		9.989
## 22732	7.691e+03	+	+			1.050e+01		9.322
## 2786	-1.396e+04	+					4.060e+02	6.671
## 30416	-7.633e+03	+	+		3.187e+01	4.360e+00		6.783
## 10448	5.663e+03	+	+		6.440e+01	1.262e+01		9.459
## 31172	2.912e+03	+	+					9.359
## 27333	7.391e+03				8.280e+01			9.423
## 18639	8.517e+03			+	2.757e+01	1.981e+00		10.080
## 9672	5.293e+02	+	+		5.333e+01			9.425
## 14792	3.544e+03	+	+		9.947e+01			9.813
## 30704	-3.303e+04	+	+		5.691e+01	-1.305e+01	4.787e+02	6.164
## 22984	2.805e+03	+	+		7.188e+01			9.543
## 30415	-6.476e+03			+	4.179e+00	-1.054e+01		7.747
## 6608	3.190e+03	+	+		7.830e+01	1.544e+01		9.445
## 13511	-1.121e+02			+	5.334e+01			9.596
## 29936	-2.952e+04	+	+		-1.156e+01	-2.676e+01	4.242e+02	6.987
## 24237	-7.141e+04				-5.626e+01	9.165e+01	1.388e+03	
## 2785	-1.572e+04						4.038e+02	7.180

## 2794	-1.622e+04	+		-6.266e+01	5.524e+02	7.885
## 3042	-1.728e+04	+			4.330e+02	7.043
## 12193	-8.659e+04				1.806e+03	
## 9456	-2.705e+04	+	+	2.082e+01 1.325e+01	5.054e+02	7.257
## 32652	-2.289e+04	+	+		1.626e+02	
## 3049	-1.957e+04			-5.735e+01	5.595e+02	8.357
## 9423	-7.542e+02		+	9.747e-01 4.235e+01		8.592
## 27630	-2.702e+04	+		1.854e+02 -2.502e+01	7.461e+02	7.608
## 15086	-2.819e+04	+		1.510e+02 -5.401e+01	5.730e+02	7.591
## 19393	1.523e+04					9.902
## 32400	-2.172e+04	+	+	-2.618e+01 1.613e+02		
## 25808	-5.377e+03	+	+	-7.466e+01 9.752e+00		7.393
## 25840	-2.515e+04	+	+	-4.687e+01 -1.230e+01	4.007e+02	6.888
## 32429	-7.478e+04			-2.065e+01 8.354e+01	1.300e+03	
## 5584	-6.753e+03	+	+	6.731e+01 5.170e+01		8.276
## 22988	4.404e+03	+	+		1.354e+01	9.283
## 32681	-7.590e+04				8.268e+01	1.310e+03
## 13775	-4.804e+03		+	2.373e+01 4.602e+01		8.742
## 14796	6.103e+03	+	+		2.240e+01	9.429
## 31425	9.551e+03					9.448
## 27585	1.008e+04					9.397
## 23533	-2.699e+04			1.640e+02 -3.120e+01	8.201e+02	8.486
## 24460	-1.890e+04	+	+		1.872e+02	
## 15337	-2.141e+04			-5.350e+01	5.720e+02	8.220
## 26320	-4.193e+03	+	+	-1.286e+01 2.047e+01		6.563
## 27337	9.748e+03				4.812e+00	9.352
## 29904	-8.406e+03	+	+	-4.297e+01 -2.635e+00		7.513
## 27334	7.110e+03	+		1.142e+02		8.844
## 15046	1.533e+03	+		9.755e+01		8.295
## 7845	-8.912e+04			8.209e+01	1.781e+03	
## 14287	-4.806e+03		+	6.969e+01 2.831e+01		8.285
## 26608	-2.893e+04	+	+	1.073e+01 4.155e+00	4.633e+02	5.982
## 4005	-9.040e+04			9.262e+01	1.788e+03	
## 9680	-3.570e+03	+	+	8.948e+00 6.184e+01		8.032
## 3009	5.627e+03					8.999
## 10957	4.106e+03			6.700e+01 -1.933e+01		9.301
## 2754	9.043e+03	+				8.096
## 28589	-7.650e+04			-1.111e+01 8.115e+01	1.312e+03	
## 16295	-9.556e+04		+	1.467e+02	1.844e+03	
## 30671	-8.450e+03		+	-7.518e-01 -2.993e+00		7.854
## 5328	-3.540e+03	+	+	4.838e+01 4.554e+01		8.253
## 13516	-1.453e+03	+	+		5.007e+01	8.203
## 23233	1.713e+04					9.950
## 19141	1.681e+04			4.041e+01		9.943
## 15045	2.483e+03			4.922e+01		8.908
## 10192	-3.013e+03	+	+	4.911e+01 5.278e+01		7.170
## 19145	1.741e+04				9.604e+00	9.774
## 16033	-8.781e+04				1.831e+03	
## 23530	-1.701e+04	+		-1.803e+00	6.974e+02	7.761
## 13552	-3.105e+04	+	+	5.893e+01 3.594e+00	5.373e+02	7.383
## 2753	7.172e+03					8.596
## 13768	-2.050e+03	+	+	8.289e+01		9.438
## 11205	3.090e+03			4.492e+01		8.876
## 16301	-7.507e+04			6.346e+00 9.721e+01	1.366e+03	

##	15049	6.303e+03			-1.186e+01		9.290
##	30919	2.695e+03		+	4.523e+01		9.928
##	11209	6.946e+03			-1.317e+01		9.245
##	30923	4.523e+03		+	-1.542e+01		10.100
##	15297	5.102e+03					8.978
##	27080	2.473e+03	+	+	5.562e+01		9.452
##	11246	-2.582e+04	+		1.255e+02	-5.467e+01	5.756e+02 7.537
##	14288	-5.621e+03	+	+	9.571e+01	4.110e+01	7.395
##	9416	2.392e+03	+	+	4.572e+01		9.264
##	6889	-1.864e+04			-7.965e+01	5.891e+02	8.604
##	31426	9.646e+03	+				8.900
##	14543	5.158e+03		+	6.828e+01	-6.237e+00	10.330
##	23234	1.696e+04	+				9.359
##	30672	-9.279e+03	+	+	2.515e+01	9.754e+00	6.959
##	1762	-2.646e+04	+				5.482e+02 5.875
##	27084	3.816e+03	+	+		1.170e+01	9.243
##	31721	-1.980e+04			-2.349e+01	6.879e+02	8.244
##	18640	7.944e+03	+	+	3.687e+01	1.518e+01	9.340
##	10704	3.938e+03	+	+	6.577e+01	1.884e+01	9.423
##	15298	6.691e+03	+				8.446
##	30920	1.629e+03	+	+	6.951e+01		9.284
##	11206	3.493e+03	+		7.669e+01		8.277
##	28560	-2.038e+04	+	+	-5.048e+01	1.687e+02	
##	8097	-8.612e+04					1.807e+03
##	10958	3.379e+03	+		8.661e+01	-5.689e+00	8.465
##	23534	-2.634e+04	+		1.882e+02	-1.893e+01	7.935e+02 7.806
##	20368	-1.591e+04	+	+	-7.235e+01	1.929e+02	
##	27338	9.987e+03	+			2.163e+01	8.541
##	15050	5.988e+03	+			3.637e+00	8.458
##	26831	4.026e+03		+	4.061e+01	-1.175e+01	10.030
##	23980	-7.603e+04	+	+		1.067e+02	1.091e+03
##	18896	4.156e+03	+	+	4.749e+01	1.758e+01	9.314
##	27586	1.095e+04	+				8.832
##	19142	1.668e+04	+		7.036e+01		9.386
##	3010	7.439e+03	+				8.517
##	26576	-6.073e+03	+	+	-1.837e+01	2.562e+01	6.759
##	19146	1.743e+04	+			2.700e+01	8.915
##	19394	1.630e+04	+				9.413
##	12197	-9.170e+04			1.325e+02		1.770e+03
##	28581	-8.686e+04			4.386e+01		1.521e+03
##	30924	3.898e+03	+	+		-2.024e+00	9.287
##	24208	-1.480e+04	+	+	-4.888e+01	1.861e+02	
##	5857	-2.915e+04					5.566e+02 6.284
##	2797	-1.783e+04			-8.070e-03	-7.739e+01	5.855e+02 8.482
##	32673	-8.447e+04					1.504e+03
##	14544	4.216e+03	+	+	8.854e+01	7.732e+00	9.537
##	15338	-1.970e+04	+			-3.955e+01	5.375e+02 7.579
##	6882	-1.482e+04	+				4.036e+02 6.712
##	32421	-8.779e+04			5.074e+01		1.529e+03
##	11210	7.171e+03	+			9.428e-01	8.431
##	7820	-6.857e+03	+	+		2.483e+02	
##	15334	-2.384e+04	+		9.308e+01		4.532e+02 6.684
##	2017	-2.913e+04					5.641e+02 6.298
##	31725	-2.910e+04			1.789e+02	-4.308e+01	7.792e+02 8.373



## 16037	-9.292e+04			1.422e+02		1.783e+03	
## 13512	-2.503e+02	+	+	7.586e+01			9.278
## 11916	-7.013e+03	+	+		2.502e+02		
## 9953	-2.867e+04					5.625e+02	6.205
## 31175	1.374e+03		+	5.309e+01			9.999
## 13776	-5.460e+03	+	+	3.952e+01	5.580e+01		8.179
## 3980	-7.430e+03	+	+		2.532e+02		
## 15333	-2.364e+04			4.941e+01		4.592e+02	7.320
## 2789	-1.171e+04			-9.510e+01		4.122e+02	7.409
## 6890	-1.705e+04	+			-6.232e+01	5.493e+02	7.919
## 19628	-6.947e+04	+	+		1.113e+02	1.084e+03	
## 3050	-1.795e+04	+			-4.495e+01	5.303e+02	7.807
## 1765	-2.630e+04			-3.916e+01		5.567e+02	6.282
## 7137	-1.958e+04					4.348e+02	7.546
## 31179	3.244e+03		+		-6.113e+00		10.040
## 14799	3.362e+03		+	6.991e+01	1.176e+00		10.240
## 18145	-2.751e+04					5.229e+02	6.057
## 1769	-2.753e+04				1.086e+01	5.297e+02	5.982
## 3045	-1.801e+04			-2.445e+01		4.365e+02	7.546
## 2761	1.165e+04				-4.229e+01		9.655
## 13519	-2.139e+03		+	2.190e+01	3.495e+01		8.856
## 3728	-7.808e+03	+	+	3.851e+01	2.455e+02		
## 9424	-9.506e+02	+	+	7.607e+00	5.236e+01		8.073
## 24493	-7.321e+04			-3.873e+01	9.934e+01	1.351e+03	
## 6850	8.036e+03	+					8.130
## 15341	-2.808e+04			1.226e+02	-7.239e+01	6.135e+02	8.304
## 22991	3.502e+03		+	5.089e+01	-8.505e-01		10.140
## 22735	7.459e+03		+	3.945e+01	-4.656e+00		10.240
## 3500	-7.290e+04	+	+		1.578e+02	1.247e+03	
## 2790	-1.161e+04	+		-5.938e+01		4.110e+02	6.858
## 24481	-8.550e+04					1.640e+03	
## 7138	-1.770e+04	+				4.290e+02	7.046
## 20389	-8.731e+04			3.163e+01		1.653e+03	
## 31722	-1.820e+04	+			-1.091e+01	6.513e+02	7.626
## 31726	-2.855e+04	+		2.050e+02	-3.096e+01	7.489e+02	7.654
## 27087	2.566e+03		+	4.506e+01	-2.728e+00		9.976
## 5858	-2.814e+04	+				5.548e+02	5.931
## 19888	-7.218e+04	+	+	-5.352e+01	1.148e+02	1.066e+03	
## 24229	-8.533e+04			1.727e+01		1.658e+03	
## 31176	5.053e+02	+	+	7.499e+01			9.391
## 22736	6.017e+03	+	+	5.930e+01	7.854e+00		9.395
## 26832	3.628e+03	+	+	4.917e+01	1.527e+00		9.319
## 31430	5.611e+03	+		1.310e+02			8.812
## 28076	-7.470e+04	+	+		1.119e+02	1.084e+03	
## 31429	6.874e+03			8.655e+01			9.454
## 6881	-1.627e+04					4.025e+02	7.243
## 2757	1.135e+04			-8.839e+01			8.836
## 19397	1.336e+04			6.437e+01			9.930
## 27589	7.520e+03			8.138e+01			9.413
## 27341	7.404e+03			8.485e+01	-3.192e+00		9.471
## 7145	-2.010e+04				-6.050e+01	5.641e+02	8.464
## 14800	2.584e+03	+	+	8.904e+01	1.396e+01		9.499
## 16289	-8.583e+04					1.801e+03	
## 15342	-2.752e+04	+		1.484e+02	-6.044e+01	5.828e+02	7.589

## 2762	1.158e+04	+		-2.629e+01		8.821
## 31180	2.743e+03	+	+	5.902e+00		9.269
## 19401	1.439e+04			1.785e+01		9.624
## 22992	2.411e+03	+	+	6.862e+01	1.054e+01	9.367
## 23489	1.478e+04					9.927
## 3053	-2.133e+04			3.423e+01	-6.257e+01	5.704e+02 8.379
## 2798	-1.676e+04	+		1.165e+01	-6.483e+01	5.565e+02 7.890
## 3244	-6.871e+04	+	+		1.507e+02	1.224e+03
## 3046	-1.730e+04	+		3.956e-01		4.330e+02 7.042
## 2758	1.138e+04	+		-5.253e+01		8.278
## 3017	7.948e+03				-1.986e+01	9.440
## 7105	5.173e+03					9.037
## 32685	-7.485e+04			-2.001e+01	8.444e+01	1.299e+03
## 1729	4.130e+03					8.099
## 31681	9.774e+03					9.421
## 31433	9.489e+03				3.211e+00	9.399
## 32656	-2.208e+04	+	+	-2.814e+01	1.634e+02	
## 15302	2.019e+03	+		9.259e+01		8.230
## 15053	3.589e+03			7.425e+01	-2.214e+01	9.393
## 27342	7.042e+03	+		1.073e+02	1.289e+01	8.624
## 27590	7.586e+03	+		1.097e+02		8.789
## 6849	6.525e+03					8.656
## 27593	1.001e+04				2.469e+00	9.363
## 23238	1.484e+04	+		8.968e+01		9.340
## 3013	6.827e+03			-2.341e+01		9.038
## 15054	2.037e+03	+		1.072e+02	-9.620e+00	8.521
## 8101	-8.978e+04			8.903e+01		1.785e+03
## 24464	-1.753e+04	+	+	-5.077e+01	1.880e+02	
## 1770	-2.572e+04	+			2.638e+01	4.948e+02 5.333
## 23724	-7.112e+04	+	+		1.048e+02	1.089e+03
## 23237	1.606e+04			4.560e+01		9.976
## 13520	-2.962e+03	+	+	3.951e+01	4.621e+01	8.226
## 11213	4.529e+03			6.533e+01	-2.128e+01	9.313
## 7106	6.757e+03	+				8.506
## 23241	1.695e+04				7.264e+00	9.836
## 19149	1.670e+04			3.672e+01	6.335e+00	9.843
## 18146	-2.603e+04	+				5.043e+02 5.667
## 9954	-2.731e+04	+				5.576e+02 5.913
## 2018	-2.759e+04	+				5.577e+02 5.989
## 15301	2.577e+03			4.808e+01		8.899
## 23242	1.635e+04	+			2.411e+01	8.932
## 15305	6.782e+03				-1.486e+01	9.313
## 30927	2.933e+03		+	5.271e+01	-1.853e+01	10.190
## 31682	1.018e+04	+				8.803
## 23490	1.543e+04	+				9.376
## 19398	1.383e+04	+		8.865e+01		9.405
## 31434	9.282e+03	+			1.933e+01	8.565
## 1766	-2.586e+04	+		-1.826e+01		5.509e+02 5.937
## 19402	1.489e+04	+			3.317e+01	8.826
## 26337	-2.900e+04					4.869e+02 5.868
## 6893	-1.941e+04			1.564e+01	-8.283e+01	5.951e+02 8.624
## 6113	-3.026e+04					5.673e+02 6.381
## 18401	-2.944e+04					5.023e+02 6.079
## 27088	2.262e+03	+	+	5.291e+01	9.360e+00	9.306

## 14049	-2.984e+04				5.655e+02	6.299
## 22241	-2.897e+04				5.181e+02	6.129
## 19150	1.629e+04	+		5.965e+01 2.250e+01		8.987
## 15306	6.800e+03	+		-1.017e+00		8.470
## 27820	-7.123e+04	+	+	1.030e+02	1.053e+03	
## 7146	-1.843e+04	+		-4.711e+01	5.307e+02	7.847
## 11214	4.070e+03	+		8.416e+01 -8.692e+00		8.472
## 11692	-7.223e+04	+	+	1.565e+02	1.245e+03	
## 2025	-2.929e+04			2.609e+01	5.177e+02	5.882
## 27594	1.044e+04	+		1.786e+01		8.544
## 18149	-2.364e+04			-9.549e+01	4.834e+02	6.094
## 5861	-2.811e+04			-2.638e+01	5.599e+02	6.348
## 30928	1.717e+03	+	+	7.151e+01 -5.749e+00		9.374
## 5865	-2.897e+04			8.350e+00	5.398e+02	6.131
## 3018	8.182e+03	+		-6.839e+00		8.684
## 3014	7.348e+03	+		1.855e+00		8.513
## 19876	-8.827e+04	+	+		1.432e+03	
## 16293	-9.102e+04			1.287e+02	1.767e+03	
## 23984	-7.449e+04	+	+	-3.295e+01 1.082e+02	1.078e+03	
## 6886	-1.319e+04	+		-3.929e+01	4.071e+02	6.832
## 9961	-2.857e+04			1.918e+01	5.270e+02	5.867
## 16012	-7.407e+03	+	+	2.494e+02		
## 32677	-8.620e+04			4.027e+01	1.518e+03	
## 32172	-7.613e+04	+	+	1.058e+02	1.088e+03	
## 8076	-7.797e+03	+	+	2.521e+02		
## 1773	-2.484e+04			-6.771e+01 2.403e+01	5.126e+02	5.927
## 10209	-2.919e+04				5.659e+02	6.277
## 7824	-9.180e+03	+	+	6.013e+01 2.427e+02		
## 2021	-2.843e+04			-1.488e+01	5.648e+02	6.325
## 18113	-5.217e+02					7.387
## 11920	-9.503e+03	+	+	6.302e+01 2.448e+02		
## 28298	-1.806e+04	+		1.694e+02		
## 22242	-2.771e+04	+			4.897e+02	5.626
## 6857	1.107e+04			-4.417e+01		9.774
## 9957	-2.793e+04			-1.658e+01	5.632e+02	6.245
## 6858	1.056e+04	+		-2.615e+01		8.851
## 19632	-6.649e+04	+	+	-6.714e+01 1.139e+02	1.058e+03	
## 6885	-1.232e+04			-9.032e+01	4.108e+02	7.445
## 7596	-7.380e+04	+	+	1.559e+02	1.258e+03	
## 5866	-2.739e+04	+		2.688e+01	5.004e+02	5.379
## 12172	-7.506e+03	+	+	2.525e+02		
## 6894	-1.901e+04	+		4.063e+01 -6.985e+01	5.632e+02	7.940
## 3054	-2.016e+04	+		4.380e+01 -5.126e+01	5.434e+02	7.819
## 1737	3.860e+02			3.829e+01		7.143
## 1730	5.243e+03	+				7.775
## 2765	1.293e+04			-4.481e+01 -3.445e+01		9.580
## 3984	-9.128e+03	+	+	4.400e+01 2.494e+02		
## 18153	-2.746e+04			5.521e+00	5.184e+02	5.985
## 31183	1.522e+03		+	5.672e+01 -9.388e+00		10.130
## 7141	-1.851e+04			-2.065e+01	4.351e+02	7.577
## 6854	9.514e+03	+		-3.176e+01		8.237
## 23972	-8.917e+04	+	+		1.413e+03	
## 14050	-2.861e+04	+			5.604e+02	5.953
## 6114	-2.872e+04	+			5.599e+02	5.995

##	3504	-7.512e+04	+	+	4.680e+01	1.533e+02	1.256e+03	
##	5862	-2.856e+04	+		1.126e+01		5.533e+02	5.894
##	7340	-6.987e+04	+	+		1.487e+02	1.237e+03	
##	24485	-8.673e+04			2.844e+01		1.651e+03	
##	1738	3.583e+02	+			5.502e+01		6.259
##	7142	-1.848e+04	+		1.592e+01		4.286e+02	7.011
##	26338	-2.751e+04	+				4.688e+02	5.482
##	5825	3.099e+03						8.213
##	6853	1.060e+04			-8.324e+01			8.869
##	26305	-4.936e+03						7.016
##	31686	6.139e+03	+		1.261e+02			8.747
##	2026	-2.740e+04	+			3.955e+01	4.854e+02	5.272
##	23493	1.270e+04			6.895e+01			9.962
##	28080	-7.228e+04	+	+	-5.313e+01	1.141e+02	1.064e+03	
##	31438	5.604e+03	+		1.262e+02	8.349e+00		8.670
##	31916	-7.283e+04	+	+		9.678e+01	1.058e+03	
##	18114	7.235e+01	+					6.889
##	7149	-2.256e+04			4.634e+01	-6.798e+01	5.794e+02	8.507
##	19405	1.291e+04			5.791e+01	1.372e+01		9.713
##	31184	4.679e+02	+	+	7.429e+01	2.104e+00		9.359
##	18117	2.221e+03			-1.437e+02			7.290
##	31437	6.862e+03			9.074e+01	-6.093e+00		9.548
##	9962	-2.675e+04	+			3.456e+01	4.923e+02	5.222
##	31685	7.006e+03			8.509e+01			9.443
##	18402	-2.782e+04	+				4.886e+02	5.724
##	2766	1.238e+04	+		-2.790e+01	-2.174e+01		8.792
##	27597	7.586e+03			8.371e+01	-4.452e+00		9.476
##	1985	3.688e+03						8.208
##	7113	7.690e+03				-2.228e+01		9.538
##	23497	1.412e+04				1.576e+01		9.677
##	9921	3.936e+03						8.141
##	23494	1.232e+04	+		1.055e+02			9.359
##	1774	-2.351e+04	+		-5.735e+01	3.693e+01	4.817e+02	5.312
##	30433	-3.031e+04					4.839e+02	5.944
##	1733	5.268e+03			-2.579e+01			8.180
##	18369	-4.149e+03						7.349
##	18150	-2.309e+04	+		-7.622e+01		4.745e+02	5.733
##	22497	-3.074e+04					4.987e+02	6.146
##	3021	8.139e+03			-5.337e+00	-1.916e+01		9.433
##	11436	-6.836e+04	+	+		1.501e+02	1.222e+03	
##	3248	-6.980e+04	+	+	2.398e+01	1.483e+02	1.228e+03	
##	7109	6.180e+03			-1.920e+01			9.067
##	18154	-2.565e+04	+			2.139e+01	4.844e+02	5.338
##	23246	1.462e+04	+		8.040e+01	1.753e+01		9.031
##	26341	-2.571e+04			-7.672e+01		4.595e+02	5.920
##	15310	2.847e+03	+		1.049e+02	-1.349e+01		8.531
##	31689	9.760e+03				5.221e-01		9.413
##	15309	4.047e+03			7.258e+01	-2.439e+01		9.410
##	23498	1.424e+04	+			2.978e+01		8.852
##	27598	7.435e+03	+		1.051e+02	1.031e+01		8.625
##	22245	-2.541e+04			-8.452e+01		4.835e+02	6.154
##	5826	4.015e+03	+					7.850
##	19620	-8.306e+04	+	+			1.424e+03	
##	23728	-6.905e+04	+	+	-4.498e+01	1.068e+02	1.071e+03	

##	23245	1.603e+04		4.371e+01	2.973e+00		9.928
##	19406	1.293e+04	+	7.766e+01	2.848e+01		8.902
##	22210	-2.550e+03	+				6.806
##	18405	-2.612e+04		-7.474e+01		4.745e+02	6.104
##	22209	-2.331e+03					7.450
##	7114	7.720e+03	+		-8.969e+00		8.724
##	15788	-7.319e+04	+	+	1.543e+02	1.256e+03	
##	10210	-2.765e+04	+			5.597e+02	5.963
##	7110	5.839e+03	+	1.822e+01			8.465
##	26593	-2.974e+04				4.851e+02	5.939
##	9958	-2.751e+04	+	4.779e+00		5.574e+02	5.898
##	6121	-3.029e+04			2.201e+01	5.278e+02	6.022
##	2022	-2.760e+04	+	3.765e-01		5.577e+02	5.988
##	1993	-2.370e+03			5.513e+01		6.998
##	30434	-2.902e+04	+			4.574e+02	5.456
##	18409	-2.947e+04			1.603e+01	4.873e+02	5.871
##	31690	9.804e+03	+		1.453e+01		8.570
##	26345	-2.895e+04			4.545e+00	4.833e+02	5.809
##	26306	-4.273e+03	+				6.534
##	14057	-2.968e+04			1.567e+01	5.363e+02	6.017
##	14305	-3.030e+04				5.686e+02	6.364
##	1741	2.871e+03		-9.400e+01	5.535e+01		7.015
##	6117	-3.009e+04		-3.630e+00		5.674e+02	6.387
##	7150	-2.188e+04	+	6.710e+01	-5.709e+01	5.507e+02	7.871
##	5834	-9.714e+02	+		5.582e+01		6.313
##	2029	-2.728e+04		-4.403e+01	3.243e+01	5.083e+02	5.861
##	5869	-2.679e+04		-4.959e+01	1.836e+01	5.258e+02	6.069
##	14053	-2.957e+04		-5.789e+00		5.657e+02	6.312
##	28068	-8.823e+04	+	+		1.385e+03	
##	22249	-2.900e+04			-1.957e+00	5.197e+02	6.155
##	10217	-2.936e+04			2.643e+01	5.190e+02	5.854
##	23716	-8.415e+04	+	+		1.405e+03	
##	18157	-2.317e+04		-1.042e+02	1.439e+01	4.679e+02	5.909
##	27824	-6.849e+04	+	+	-6.061e+01	1.056e+02	1.030e+03
##	28302	-1.567e+04	+	-9.344e+01	1.745e+02		
##	11914	-6.766e+03	+		2.312e+02		
##	22498	-2.913e+04	+			4.772e+02	5.676
##	9929	-8.571e+02			4.690e+01		7.016
##	16016	-1.077e+04	+	+	8.299e+01	2.421e+02	
##	9965	-2.655e+04		-4.466e+01	2.588e+01	5.164e+02	5.858
##	18121	-1.206e+03			2.031e+01		7.079
##	5833	-3.830e+02			3.661e+01		7.288
##	32394	-1.887e+04	+		1.674e+02		
##	27812	-8.423e+04	+	+		1.336e+03	
##	11696	-7.325e+04	+	+	2.110e+01	1.545e+02	
##	3022	7.875e+03	+	8.595e+00	-7.894e+00		8.690
##	6122	-2.849e+04	+		3.667e+01	4.928e+02	5.329
##	26309	-1.987e+03		-1.170e+02			6.997
##	22246	-2.567e+04	+	-5.017e+01		4.710e+02	5.672
##	1994	-2.108e+03	+		6.934e+01		6.169
##	18118	2.314e+03	+	-1.220e+02			6.879
##	8080	-1.034e+04	+	+	6.429e+01	2.464e+02	
##	14058	-2.804e+04	+		3.296e+01	4.981e+02	5.293
##	10213	-2.875e+04		-9.200e+00		5.661e+02	6.296

##	22250	-2.740e+04	+		1.506e+01	4.761e+02	5.396
##	19880	-8.766e+04	+	+ -1.502e+01		1.428e+03	
##	16268	-7.852e+03	+	+	2.515e+02		
##	1249	-3.077e+04				5.725e+02	7.376
##	6861	1.207e+04		-3.286e+01	-3.825e+01		9.708
##	18370	-3.106e+03	+				6.912
##	7600	-7.709e+04	+	+ 6.672e+01	1.491e+02	1.272e+03	
##	32176	-7.459e+04	+	+ -3.253e+01	1.074e+02	1.076e+03	
##	30401	-6.454e+03					7.088
##	1742	2.464e+03	+	-7.961e+01	6.861e+01		6.195
##	9922	5.074e+03	+				7.815
##	1986	4.952e+03	+				7.850
##	9930	-8.653e+02	+		6.343e+01		6.137
##	5870	-2.637e+04	+	-2.400e+01	3.127e+01	4.946e+02	5.368
##	28554	-1.805e+04	+		1.693e+02		
##	6862	1.059e+04	+	-9.480e-01	-2.599e+01		8.850
##	1734	5.390e+03	+	-3.540e+00			7.789
##	12176	-9.898e+03	+	+ 6.142e+01	2.470e+02		
##	30402	-6.471e+03	+				6.480
##	18373	-1.091e+03		-1.194e+02			7.277
##	18122	-1.104e+03	+		3.822e+01		6.215
##	3722	-3.644e+03	+		2.173e+02		
##	1505	-3.372e+04				6.021e+02	7.500
##	32164	-8.911e+04	+	+		1.370e+03	
##	22213	4.657e+02		-1.327e+02			7.351
##	31908	-8.522e+04	+	+		1.321e+03	
##	14054	-2.999e+04	+	3.126e+01		5.591e+02	5.860
##	17889	-3.362e+04				4.664e+02	6.935
##	22465	-5.699e+03					7.410
##	18125	1.452e+03		-1.594e+02	3.167e+01		6.800
##	6118	-2.988e+04	+	2.536e+01		5.587e+02	5.936
##	14306	-2.875e+04	+			5.614e+02	5.976
##	26561	-5.825e+03					7.087
##	26342	-2.519e+04	+	-5.656e+01		4.499e+02	5.548
##	26346	-2.714e+04	+		2.023e+01	4.504e+02	5.174
##	6081	2.794e+03					8.296
##	14017	3.001e+03					8.240
##	26313	-5.471e+03			1.773e+01		6.753
##	26594	-2.808e+04	+			4.684e+02	5.548
##	7344	-7.208e+04	+	+ 4.629e+01	1.438e+02	1.246e+03	
##	18410	-2.759e+04	+		3.007e+01	4.579e+02	5.271
##	5829	3.741e+03		-1.372e+01			8.252
##	18377	-5.755e+03			3.251e+01		6.851
##	23976	-8.956e+04	+	+ 9.554e+00		1.416e+03	
##	15532	-6.944e+04	+	+	1.477e+02	1.235e+03	
##	2030	-2.581e+04	+	-3.559e+01	4.442e+01	4.785e+02	5.266
##	10218	-2.746e+04	+		4.011e+01	4.867e+02	5.231
##	18406	-2.529e+04	+	-5.947e+01		4.674e+02	5.768
##	18158	-2.207e+04	+	-8.993e+01	2.800e+01	4.431e+02	5.315
##	30437	-2.737e+04		-6.661e+01		4.604e+02	5.984
##	9966	-2.532e+04	+	-3.247e+01	3.910e+01	4.853e+02	5.229
##	22466	-5.121e+03	+				6.831
##	22214	-5.219e+02	+	-9.509e+01			6.808
##	23501	1.242e+04		6.339e+01	1.066e+01		9.789

##	30689	-3.100e+04				4.822e+02	6.010
##	31694	6.092e+03	+	1.237e+02	4.731e+00		8.673
##	10177	3.711e+03					8.200
##	1989	4.152e+03		-9.457e+00			8.227
##	22501	-2.778e+04		-6.457e+01		4.749e+02	6.163
##	9925	4.475e+03		-1.151e+01			8.171
##	31920	-7.102e+04	+	+ -3.863e+01	9.870e+01	1.043e+03	
##	23502	1.169e+04	+	9.524e+01	2.331e+01		8.951
##	31693	7.071e+03		8.948e+01	-7.683e+00		9.555
##	22218	-3.364e+03	+		3.131e+01		6.260
##	17637	-2.075e+04		-2.077e+02		4.097e+02	7.095
##	30441	-3.035e+04			-2.511e+00	4.859e+02	5.978
##	1708	-4.877e+04	+	+	1.372e+02	8.499e+02	
##	7117	7.565e+03		3.380e+00	-2.275e+01		9.543
##	26310	-1.967e+03	+	-9.449e+01			6.574
##	22505	-3.069e+04			8.488e+00	4.909e+02	6.033
##	26314	-5.219e+03	+		3.522e+01		5.925
##	26597	-2.664e+04		-6.931e+01		4.607e+02	5.974
##	1997	-1.689e+01		-6.819e+01	6.414e+01		6.934
##	17893	-2.607e+04		-1.522e+02		4.041e+02	6.966
##	1253	-2.691e+04		-9.775e+01		5.809e+02	7.598
##	18413	-2.569e+04		-8.547e+01	2.196e+01	4.498e+02	5.823
##	26349	-2.527e+04		-8.424e+01	1.185e+01	4.473e+02	5.772
##	6089	-2.742e+03			5.237e+01		7.125
##	3978	-6.851e+03	+		2.332e+02		
##	18126	1.215e+03	+	-1.397e+02	4.625e+01		6.063
##	5830	2.880e+03	+	2.543e+01			7.755
##	22217	-2.659e+03			1.299e+01		7.249
##	6090	-2.769e+03	+		6.706e+01		6.236
##	11440	-6.925e+04	+	+ 1.845e+01	1.483e+02	1.226e+03	
##	14018	3.973e+03	+				7.863
##	6082	3.973e+03	+				7.862
##	18378	-5.223e+03	+		4.796e+01		6.071
##	17605	1.699e+03		-2.512e+02			7.929
##	22253	-2.512e+04		-8.897e+01	6.656e+00	4.764e+02	6.066
##	26601	-2.974e+04			1.179e+01	4.753e+02	5.797
##	6125	-2.886e+04		-2.946e+01	2.660e+01	5.207e+02	5.996
##	10214	-2.804e+04	+	8.735e+00		5.594e+02	5.941
##	14026	-1.805e+03	+		6.223e+01		6.215
##	14313	-3.032e+04			2.238e+01	5.286e+02	5.997
##	17861	-4.030e+03		-1.941e+02			7.785
##	5837	1.980e+03		-8.146e+01	5.185e+01		7.138
##	10185	-2.372e+03			5.546e+01		6.979
##	7118	6.626e+03	+	2.981e+01	-1.276e+01		8.749
##	19624	-8.192e+04	+	+ -2.879e+01		1.417e+03	
##	9933	1.583e+03		-7.443e+01	5.713e+01		6.963
##	30442	-2.872e+04	+		1.422e+01	4.447e+02	5.240
##	5838	5.115e+02	+	-5.015e+01	6.429e+01		6.267
##	26562	-4.879e+03	+				6.601
##	15792	-7.525e+04	+	+ 4.105e+01	1.502e+02	1.265e+03	
##	30438	-2.767e+04	+	-3.161e+01		4.472e+02	5.494
##	30690	-2.939e+04	+			4.573e+02	5.502
##	14025	-1.362e+03			4.444e+01		7.155
##	30405	-3.582e+03		-1.071e+02			7.062

## 14061	-2.828e+04		-2.919e+01	2.030e+01	5.287e+02	6.000
## 17857	-9.556e+03					7.912
## 18374	-6.035e+02	+	-1.023e+02			6.899
## 17633	-3.009e+04				5.054e+02	7.098
## 14309	-3.036e+04		1.300e+00		5.686e+02	6.361
## 10221	-2.753e+04		-3.961e+01	3.199e+01	5.100e+02	5.847
## 22506	-2.889e+04	+		2.282e+01	4.545e+02	5.335
## 32398	-1.663e+04	+	-8.164e+01	1.723e+02		
## 26317	-2.443e+03		-1.321e+02	2.765e+01		6.584
## 18381	-2.669e+03		-1.347e+02	3.986e+01		6.657
## 1513	-3.357e+04			3.565e+01	5.301e+02	6.960
## 16010	-7.104e+03	+		2.311e+02		
## 3726	-6.391e+02	+	-1.008e+02	2.312e+02		
## 20106	-6.850e+03	+		1.917e+02		
## 1250	-3.003e+04	+			5.701e+02	7.224
## 9441	-3.163e+04				5.809e+02	7.424
## 5345	-3.200e+04				5.806e+02	7.439
## 22502	-2.755e+04	+	-3.618e+01		4.648e+02	5.705
## 1998	-1.731e+02	+	-5.629e+01	7.636e+01		6.140
## 11918	-5.846e+03	+	-2.565e+01	2.341e+02		
## 22469	-2.722e+03		-1.093e+02			7.336
## 12170	-7.084e+03	+		2.329e+02		
## 26565	-2.813e+03		-1.101e+02			7.050
## 28072	-8.767e+04	+	+ -1.364e+01		1.381e+03	
## 23720	-8.403e+04	+	+ -2.788e+00		1.404e+03	
## 28558	-1.554e+04	+	-9.414e+01	1.737e+02		
## 18092	-4.846e+04	+	+	1.115e+02	7.729e+02	
## 22254	-2.481e+04	+	-6.137e+01	2.009e+01	4.486e+02	5.375
## 10186	-2.108e+03	+		6.989e+01		6.136
## 30657	-7.278e+03					7.154
## 14314	-2.852e+04	+		3.714e+01	4.937e+02	5.297
## 5804	-5.101e+04	+	+	1.340e+02	8.739e+02	
## 30410	-7.127e+03	+		2.884e+01		5.984
## 16272	-1.109e+04	+	+ 8.128e+01	2.440e+02		
## 9934	1.024e+03	+	-5.763e+01	7.076e+01		6.127
## 32650	-1.876e+04	+		1.665e+02		
## 1257	-3.063e+04			5.186e+00	5.609e+02	7.293
## 6126	-2.812e+04	+	-7.883e+00	3.779e+01	4.912e+02	5.327
## 7818	-4.319e+03	+		2.177e+02		
## 27816	-8.332e+04	+	+ -2.283e+01		1.331e+03	
## 30406	-4.620e+03	+	-6.894e+01			6.513
## 14062	-2.792e+04	+	-2.674e+00	3.335e+01	4.974e+02	5.293
## 20362	-1.237e+04	+		2.007e+02		
## 21985	-3.486e+04				4.671e+02	6.969
## 5601	-3.458e+04				6.076e+02	7.544
## 30409	-6.703e+03			1.097e+01		6.921
## 9697	-3.362e+04				6.012e+02	7.485
## 1509	-3.169e+04		-4.118e+01		6.016e+02	7.576
## 22221	1.267e+02		-1.469e+02	2.515e+01		6.952
## 9926	4.568e+03	+	1.131e+01			7.778
## 1506	-3.315e+04	+			5.994e+02	7.400
## 10178	4.988e+03	+				7.837
## 1990	4.612e+03	+	7.216e+00			7.832
## 17890	-3.275e+04	+			4.564e+02	6.760



## 22473	-6.750e+03			2.547e+01		7.012
## 22188	-5.117e+04	+	+	1.016e+02	7.850e+02	
## 30658	-6.853e+03	+				6.526
## 26569	-6.903e+03			2.628e+01		6.719
## 25797	-3.007e+03			-2.186e+02		7.661
## 25825	-3.151e+04				4.481e+02	6.890
## 22474	-6.720e+03	+		4.043e+01		6.130
## 1964	-5.167e+04	+	+	1.424e+02	8.709e+02	
## 26350	-2.418e+04	+		-6.983e+01	2.550e+01	4.222e+02
## 20110	-3.996e+03	+		-1.655e+02	1.980e+02	
## 26081	-3.369e+04				4.548e+02	6.895
## 25829	-2.281e+04			-1.850e+02	3.785e+02	6.944
## 17897	-3.358e+04			1.012e+01	4.550e+02	6.819
## 22222	-1.158e+03	+		-1.126e+02	3.881e+01	6.130
## 18414	-2.445e+04	+		-7.321e+01	3.445e+01	4.273e+02
## 26602	-2.785e+04	+		2.578e+01	4.448e+02	5.183
## 14310	-3.031e+04	+		3.365e+01	5.604e+02	5.888
## 26318	-2.659e+03	+		-1.126e+02	4.220e+01	5.851
## 26598	-2.584e+04	+		-5.228e+01	4.510e+02	5.598
## 32168	-8.955e+04	+	+	1.054e+01	1.372e+03	
## 14273	2.814e+03					8.291
## 6085	2.733e+03			1.198e+00		8.294
## 22470	-3.034e+03	+		-7.845e+01		6.829
## 14021	3.063e+03			-1.270e+00		8.243
## 31912	-8.530e+04	+	+	2.040e+00	1.322e+03	
## 18382	-2.567e+03	+		-1.179e+02	5.309e+01	5.967
## 2732	-4.959e+04	+	+	1.075e+02	1.031e+03	
## 18348	-5.214e+04	+	+	1.130e+02	7.843e+02	
## 10222	-2.618e+04	+		-2.856e+01	4.387e+01	4.808e+02
## 21733	-2.211e+04			-2.022e+02	4.125e+02	7.124
## 1261	-2.472e+04			-1.328e+02	3.057e+01	5.155e+02
## 30693	-2.826e+04			-5.944e+01	4.615e+02	6.036
## 15536	-7.143e+04	+	+	3.971e+01	1.438e+02	1.243e+03
## 17638	-2.037e+04	+		-2.000e+02	4.029e+02	6.926
## 17869	-5.805e+03			-2.062e+02	3.896e+01	7.240
## 30445	-2.716e+04			-6.960e+01	4.291e+00	4.559e+02
## 10181	4.017e+03			-6.315e+00		8.214
## 22509	-2.735e+04			-7.254e+01	1.438e+01	4.587e+02
## 26570	-6.408e+03	+		4.167e+01		5.926
## 21989	-2.738e+04			-1.469e+02	4.068e+02	6.994
## 30697	-3.097e+04			4.182e+00	4.788e+02	5.958
## 17645	-2.051e+04			-2.112e+02	5.770e+00	4.022e+02
## 17606	1.709e+03	+		-2.412e+02		7.714
## 5349	-2.807e+04			-9.133e+01	5.864e+02	7.630
## 17901	-2.553e+04			-1.615e+02	2.090e+01	3.767e+02
## 1712	-5.061e+04	+	+	4.882e+01	1.321e+02	8.525e+02
## 1254	-2.672e+04	+		-8.990e+01	5.786e+02	7.476
## 17894	-2.567e+04	+		-1.468e+02	3.986e+02	6.830
## 6093	-6.427e+02			-5.863e+01	6.068e+01	7.044
## 17613	9.801e+02			-2.624e+02	2.413e+01	7.601
## 3982	-4.337e+03	+		-6.885e+01	2.404e+02	
## 21701	5.748e+02			-2.463e+02		7.961
## 25793	-9.205e+03					7.755
## 26566	-2.490e+03	+		-9.079e+01		6.620

## 26605	-2.622e+04			-7.878e+01	1.787e+01	4.425e+02	5.763
## 17634	-2.905e+04	+				4.907e+02	6.857
## 9900	-4.900e+04	+	+		1.372e+02	8.515e+02	
## 17858	-9.103e+03	+					7.665
## 9445	-2.735e+04			-9.156e+01		5.823e+02	7.595
## 26085	-2.621e+04			-1.505e+02		3.969e+02	6.938
## 8074	-7.147e+03	+			2.325e+02		
## 21729	-3.150e+04					5.057e+02	7.134
## 10189	-2.946e+01			-6.783e+01	6.411e+01		6.934
## 22444	-5.458e+04	+	+		1.033e+02	7.954e+02	
## 17862	-3.899e+03	+		-1.869e+02			7.608
## 17865	-1.116e+04				2.946e+01		7.507
## 21957	-5.113e+03			-1.894e+02			7.817
## 21953	-1.074e+04						7.948
## 26049	-1.101e+04						7.772
## 17601	-3.507e+03						8.179
## 5346	-3.147e+04	+				5.805e+02	7.254
## 14022	2.225e+03	+		3.741e+01			7.747
## 14281	-2.735e+03				5.269e+01		7.107
## 26053	-5.248e+03			-1.884e+02			7.687
## 20366	-9.210e+03	+		-1.349e+02	2.045e+02		
## 6094	-1.616e+03	+		-3.218e+01	7.123e+01		6.215
## 6086	2.410e+03	+		3.199e+01			7.783
## 10924	-5.164e+04	+	+		1.093e+02	1.043e+03	
## 1517	-2.953e+04			-8.077e+01	4.653e+01	5.071e+02	6.945
## 14282	-2.761e+03	+			6.750e+01		6.211
## 24202	-8.116e+03	+			1.887e+02		
## 14274	3.999e+03	+					7.855
## 14029	8.309e+02			-6.393e+01	5.369e+01		7.083
## 1514	-3.252e+04	+			4.327e+01	5.100e+02	6.669
## 14030	-7.155e+02	+		-3.141e+01	6.630e+01		6.205
## 30413	-3.718e+03			-1.200e+02	2.126e+01		6.736
## 6060	-5.351e+04	+	+		1.389e+02	8.915e+02	
## 14317	-2.908e+04			-2.536e+01	2.620e+01	5.222e+02	5.983
## 26284	-4.942e+04	+	+		1.036e+02	7.559e+02	
## 30446	-2.685e+04	+		-4.199e+01	1.772e+01	4.281e+02	5.237
## 9442	-3.088e+04	+				5.780e+02	7.281
## 17641	-3.028e+04				-1.384e+01	5.195e+02	7.249
## 30661	-4.378e+03			-1.004e+02			7.113
## 30698	-2.917e+04	+			1.833e+01	4.409e+02	5.245
## 22477	-3.700e+03			-1.244e+02	3.367e+01		6.800
## 1217	3.481e+03						9.214
## 13537	-3.264e+04					5.874e+02	7.475
## 26573	-3.807e+03			-1.252e+02	3.435e+01		6.564
## 30694	-2.812e+04	+		-2.873e+01		4.481e+02	5.531
## 9705	-3.347e+04				3.512e+01	5.303e+02	6.955
## 5609	-3.425e+04				3.384e+01	5.380e+02	7.022
## 21986	-3.405e+04	+				4.523e+02	6.720
## 1258	-2.953e+04	+			1.388e+01	5.385e+02	6.972
## 9449	-3.143e+04				1.280e+01	5.536e+02	7.226
## 22510	-2.673e+04	+		-4.839e+01	2.617e+01	4.345e+02	5.324
## 7822	-1.513e+03	+		-8.802e+01	2.298e+02		
## 5808	-5.480e+04	+	+	9.109e+01	1.240e+02	8.826e+02	
## 30414	-4.950e+03	+		-8.624e+01	3.491e+01		5.921

## 5353	-3.189e+04			3.615e+00	5.725e+02	7.380
## 1481	-5.795e+03			7.083e+01		7.873
## 16014	-6.518e+03	+	-1.579e+01	2.328e+02		
## 16266	-7.333e+03	+		2.323e+02		
## 32654	-1.643e+04	+	-8.259e+01	1.708e+02		
## 28292	-2.383e+04	+	+			
## 10190	-2.986e+02	+	-5.264e+01	7.616e+01		6.127
## 30380	-5.212e+04	+	+	9.365e+01	7.681e+02	
## 25826	-3.048e+04	+			4.335e+02	6.651
## 5602	-3.404e+04	+			6.055e+02	7.412
## 6828	-5.096e+04	+	+	1.050e+02	1.043e+03	
## 30665	-7.916e+03			1.913e+01		6.879
## 24458	-1.308e+04	+		1.979e+02		
## 9701	-3.076e+04		-5.710e+01		6.002e+02	7.586
## 22478	-4.396e+03	+	-9.490e+01	4.549e+01		6.039
## 13793	-3.453e+04				6.070e+02	7.532
## 30666	-7.946e+03	+		3.393e+01		5.982
## 29921	-3.281e+04				4.494e+02	6.928
## 12174	-6.177e+03	+	-2.456e+01	2.355e+02		
## 25798	-3.041e+03	+	-2.081e+02			7.437
## 18096	-4.764e+04	+	+	-2.105e+01	1.121e+02	7.671e+02
## 9698	-3.304e+04	+			5.985e+02	7.385
## 5605	-3.274e+04		-3.564e+01		6.066e+02	7.606
## 30177	-3.492e+04				4.560e+02	6.931
## 1510	-3.144e+04	+	-3.619e+01		5.994e+02	7.481
## 14318	-2.850e+04	+	-5.876e-01	3.722e+01	4.936e+02	5.297
## 29893	-4.072e+03		-2.141e+02			7.694
## 17898	-3.253e+04	+		1.775e+01	4.347e+02	6.528
## 21993	-3.481e+04			4.461e+00	4.620e+02	6.918
## 13996	-5.109e+04	+	+	1.340e+02	8.745e+02	
## 30662	-4.960e+03	+	-6.659e+01			6.545
## 26082	-3.281e+04	+			4.432e+02	6.710
## 25830	-2.244e+04	+	-1.766e+02		3.710e+02	6.766
## 29925	-2.411e+04		-1.798e+02		3.815e+02	6.974
## 25805	-3.370e+03		-2.287e+02	1.864e+01		7.418
## 10928	-5.914e+04	+	+	1.618e+02	9.288e+01	1.065e+03
## 10182	4.375e+03	+	1.319e+01			7.802
## 25833	-3.174e+04			-1.530e+01	4.632e+02	7.056
## 2736	-5.431e+04	+	+	1.087e+02	9.624e+01	1.044e+03
## 24206	-5.121e+03	+	-1.520e+02	1.954e+02		
## 32388	-2.553e+04	+	+			
## 1473	2.498e+03					9.395
## 1968	-5.407e+04	+	+	6.024e+01	1.364e+02	8.750e+02
## 26606	-2.501e+04	+	-6.562e+01	3.020e+01	4.188e+02	5.183
## 21734	-2.215e+04	+	-1.880e+02		4.036e+02	6.883
## 26089	-3.366e+04			7.911e+00	4.472e+02	6.809
## 21730	-3.067e+04	+			4.848e+02	6.807
## 19883	-8.976e+04		+	1.073e+02	1.308e+03	
## 25837	-2.270e+04		-1.866e+02	2.439e+00	3.755e+02	6.918
## 22192	-5.187e+04	+	+	1.696e+01	1.009e+02	7.899e+02
## 19116	-4.941e+04	+	+	1.216e+02	1.087e+03	
## 10156	-5.171e+04	+	+	1.430e+02	8.712e+02	
## 26574	-3.791e+03	+	-1.074e+02	4.739e+01		5.855
## 25794	-8.832e+03	+				7.435

## 17870	-5.952e+03	+	-1.982e+02	4.627e+01		6.885
## 1262	-2.394e+04	+	-1.286e+02	3.743e+01	4.973e+02	6.907
## 2988	-5.136e+04	+	+	1.112e+02	1.042e+03	
## 1229	3.682e+03		-1.688e+02	6.806e+01		8.063
## 21954	-1.068e+04	+				7.614
## 1225	-7.524e+02			3.931e+01		8.301
## 17602	-3.183e+03	+				7.843
## 21702	-2.235e+01	+	-2.294e+02			7.672
## 14277	2.631e+03		3.653e+00			8.283
## 17866	-1.109e+04	+		3.878e+01		7.063
## 22180	-6.247e+04	+	+		1.071e+03	
## 17614	7.598e+02	+	-2.536e+02	3.195e+01		7.224
## 21990	-2.727e+04	+	-1.363e+02		3.993e+02	6.790
## 5357	-2.576e+04		-1.254e+02	2.827e+01	5.246e+02	7.242
## 15020	-5.272e+04	+	+	1.069e+02	1.053e+03	
## 29889	-1.041e+04					7.794
## 9453	-2.533e+04		-1.244e+02	3.120e+01	5.162e+02	7.174
## 17646	-1.981e+04	+	-2.065e+02	1.246e+01	3.859e+02	6.769
## 26540	-5.214e+04	+	+	1.093e+02	7.755e+02	
## 5350	-2.831e+04	+	-7.683e+01		5.854e+02	7.463
## 21965	-6.409e+03		-2.019e+02	3.573e+01		7.308
## 1221	7.421e+03		-8.828e+01			9.439
## 21741	-2.208e+04		-2.025e+02	4.736e-01	4.119e+02	7.118
## 21697	-4.889e+03					8.216
## 26061	-6.389e+03		-2.019e+02	3.612e+01		7.223
## 26050	-1.061e+04	+				7.509
## 21958	-5.448e+03	+	-1.766e+02			7.570
## 17902	-2.483e+04	+	-1.572e+02	2.725e+01	3.611e+02	6.477
## 18352	-5.136e+04	+	+	-2.013e+01	1.136e+02	7.788e+02
## 30701	-2.792e+04		-6.537e+01	1.000e+01	4.513e+02	5.914
## 21997	-2.679e+04		-1.548e+02	1.616e+01	3.853e+02	6.807
## 1485	-1.807e+03		-1.140e+02	8.403e+01		7.796
## 30145	-1.215e+04					7.810
## 21709	1.587e+02		-2.566e+02	2.034e+01		7.679
## 30181	-2.750e+04		-1.453e+02		4.000e+02	6.967
## 21961	-1.190e+04			2.490e+01		7.599
## 13541	-2.843e+04		-8.621e+01		5.875e+02	7.627
## 21737	-3.194e+04			-2.022e+01	5.263e+02	7.359
## 26057	-1.206e+04			2.441e+01		7.463
## 9446	-2.715e+04	+	-8.386e+01		5.800e+02	7.473
## 9709	-2.840e+04		-1.002e+02	4.829e+01	5.019e+02	6.933
## 6832	-5.757e+04	+	+	1.449e+02	8.934e+01	1.064e+03
## 26086	-2.581e+04	+	-1.447e+02		3.903e+02	6.794
## 26054	-5.191e+03	+	-1.805e+02			7.494
## 1518	-2.875e+04	+	-7.686e+01	5.314e+01	4.894e+02	6.674
## 1482	-5.807e+03	+		8.008e+01		7.394
## 26093	-2.563e+04		-1.601e+02	1.989e+01	3.741e+02	6.725
## 25801	-9.225e+03			5.934e-01		7.747
## 6064	-5.782e+04	+	+	9.987e+01	1.283e+02	9.021e+02
## 30149	-6.307e+03		-1.839e+02			7.720
## 9904	-5.135e+04	+	+	5.863e+01	1.312e+02	8.556e+02
## 13538	-3.203e+04	+			5.860e+02	7.297
## 8078	-4.909e+03	+	-5.963e+01	2.389e+02		
## 17642	-2.917e+04	+		-5.203e+00	4.966e+02	6.924

## 1218	4.119e+03	+					9.041
## 15024	-6.209e+04	+	+	1.946e+02	8.642e+01	1.083e+03	
## 14285	-6.462e+02			-5.853e+01	6.067e+01		7.044
## 5354	-3.096e+04	+			1.444e+01	5.478e+02	6.993
## 18913	-2.294e+04					7.470e+02	9.079
## 5610	-3.336e+04	+			4.222e+01	5.178e+02	6.699
## 17609	-3.706e+03				5.055e+00		8.113
## 29922	-3.198e+04	+				4.295e+02	6.609
## 24462	-9.965e+03	+		-1.249e+02	2.022e+02		
## 18084	-6.041e+04	+	+			1.092e+03	
## 30636	-5.459e+04	+	+		9.934e+01	7.860e+02	
## 5613	-3.021e+04			-7.613e+01	4.473e+01	5.136e+02	6.987
## 9450	-3.033e+04	+			2.128e+01	5.317e+02	6.910
## 9706	-3.242e+04	+			4.272e+01	5.103e+02	6.665
## 9409	3.227e+03						9.267
## 14278	2.176e+03	+		3.788e+01			7.753
## 5313	2.957e+03						9.277
## 30669	-4.902e+03			-1.144e+02	2.781e+01		6.709
## 14286	-1.746e+03	+		-2.840e+01	7.102e+01		6.201
## 19120	-5.652e+04	+	+	1.667e+02	1.140e+02	1.145e+03	
## 30372	-6.258e+04	+	+			1.010e+03	
## 22448	-5.526e+04	+	+	1.647e+01	1.027e+02	8.002e+02	
## 13545	-3.242e+04				1.067e+01	5.643e+02	7.307
## 13801	-3.420e+04				3.310e+01	5.390e+02	7.022
## 14252	-5.359e+04	+	+		1.396e+02	8.923e+02	
## 11180	-5.179e+04	+	+		1.096e+02	1.044e+03	
## 27308	-5.159e+04	+	+		1.101e+02	1.046e+03	
## 18657	-1.941e+04					7.952e+02	9.187
## 30702	-2.738e+04	+		-3.965e+01	2.139e+01	4.255e+02	5.242
## 29894	-4.727e+03	+		-1.966e+02			7.397
## 30178	-3.410e+04	+				4.393e+02	6.670
## 21994	-3.384e+04	+			1.274e+01	4.369e+02	6.554
## 9673	-5.686e+03				7.032e+01		7.868
## 26288	-4.894e+04	+	+	-1.217e+01	1.040e+02	7.527e+02	
## 21698	-5.210e+03	+					7.778
## 1226	-8.823e+02	+			5.008e+01		7.771
## 29890	-1.059e+04	+					7.384
## 5577	-5.892e+03				7.037e+01		7.901
## 30670	-5.754e+03	+		-8.310e+01	3.919e+01		5.921
## 22436	-6.584e+04	+	+			1.086e+03	
## 13794	-3.397e+04	+				6.049e+02	7.397
## 29926	-2.419e+04	+		-1.649e+02		3.718e+02	6.724
## 25806	-3.562e+03	+		-2.201e+02	2.640e+01		7.048
## 14000	-5.544e+04	+	+	9.965e+01	1.232e+02	8.852e+02	
## 13797	-3.184e+04			-5.176e+01		6.054e+02	7.618
## 29929	-3.328e+04				-2.134e+01	4.707e+02	7.164
## 7084	-5.247e+04	+	+		1.083e+02	1.053e+03	
## 23212	-5.070e+04	+	+		1.165e+02	1.087e+03	
## 5606	-3.277e+04	+		-2.566e+01		6.050e+02	7.469
## 9702	-3.055e+04	+		-5.210e+01		5.981e+02	7.497
## 26276	-6.059e+04	+	+			1.027e+03	
## 25834	-3.063e+04	+			-6.817e+00	4.411e+02	6.738
## 1230	3.359e+03	+		-1.608e+02	7.605e+01		7.613
## 28548	-2.302e+04	+	+				

##	2992	-5.661e+04	+	+	1.163e+02	9.951e+01	1.057e+03	
##	30384	-5.323e+04	+	+	2.631e+01	9.248e+01	7.753e+02	
##	9417	-2.135e+03				4.768e+01		8.207
##	16270	-6.758e+03	+		-1.516e+01	2.339e+02		
##	10920	-7.475e+04	+	+	2.498e+02		1.474e+03	
##	29901	-4.226e+03			-2.226e+02	1.475e+01		7.498
##	1474	3.013e+03	+					9.261
##	28296	-2.334e+04	+	+	-1.759e+01			
##	9665	2.555e+03						9.377
##	26090	-3.261e+04	+			1.552e+01	4.267e+02	6.516
##	30185	-3.489e+04				2.108e+00	4.539e+02	6.907
##	1477	4.585e+03			-4.297e+01			9.473
##	19887	-8.516e+04		+	-9.617e+01	1.111e+02	1.266e+03	
##	21962	-1.226e+04	+			3.400e+01		7.091
##	3499	-8.810e+04		+		1.528e+02	1.470e+03	
##	5569	2.150e+03						9.436
##	25838	-2.199e+04	+		-1.818e+02	9.176e+00	3.590e+02	6.652
##	29933	-2.427e+04			-1.778e+02	-2.861e+00	3.851e+02	7.005
##	30146	-1.217e+04	+					7.459
##	21966	-7.055e+03	+		-1.888e+02	4.240e+01		6.915
##	18340	-6.404e+04	+	+			1.107e+03	
##	27312	-5.942e+04	+	+	1.793e+02	1.009e+02	1.105e+03	
##	21710	-6.673e+02	+		-2.414e+02	2.779e+01		7.251
##	32644	-2.468e+04	+	+				
##	5358	-2.549e+04	+		-1.149e+02	3.530e+01	5.079e+02	6.928
##	26849	-2.146e+04					7.085e+02	9.036
##	23216	-5.942e+04	+	+	1.965e+02	1.061e+02	1.156e+03	
##	21738	-3.093e+04	+			-1.019e+01	4.962e+02	6.937
##	1486	-2.075e+03	+		-1.066e+02	9.170e+01		7.360
##	2728	-7.019e+04	+	+	1.965e+02		1.467e+03	
##	21742	-2.176e+04	+		-1.923e+02	7.551e+00	3.932e+02	6.789
##	5321	-1.160e+03				3.876e+01		8.370
##	15016	-7.699e+04	+	+	2.820e+02		1.461e+03	
##	19372	-5.089e+04	+	+		1.227e+02	1.088e+03	
##	25802	-9.191e+03	+			1.106e+01		7.272
##	10160	-5.389e+04	+	+	5.518e+01	1.373e+02	8.749e+02	
##	2724	-6.450e+04	+	+			1.540e+03	
##	17610	-3.787e+03	+			1.608e+01		7.600
##	11184	-5.920e+04	+	+	1.617e+02	9.305e+01	1.065e+03	
##	10465	-2.245e+04					5.062e+02	8.541
##	26058	-1.198e+04	+			3.377e+01		7.022
##	26062	-6.541e+03	+		-1.940e+02	4.341e+01		6.867
##	9421	3.239e+03			-1.622e+02	6.859e+01		8.053
##	9454	-2.457e+04	+		-1.198e+02	3.812e+01	4.980e+02	6.892
##	5325	3.595e+03			-1.676e+02	6.779e+01		8.074
##	32392	-2.599e+04	+	+	1.604e+01			
##	6824	-7.274e+04	+	+	2.325e+02		1.455e+03	
##	23979	-8.925e+04		+		1.085e+02	1.303e+03	
##	21998	-2.642e+04	+		-1.460e+02	2.258e+01	3.682e+02	6.502
##	9677	-8.512e+02			-1.355e+02	8.558e+01		7.773
##	1222	7.482e+03	+		-7.909e+01			9.287
##	28075	-8.983e+04		+		1.067e+02	1.305e+03	
##	22184	-6.451e+04	+	+	5.509e+01		1.081e+03	
##	5317	6.894e+03			-8.420e+01			9.469

##	30150	-6.762e+03	+	-1.701e+02			7.455
##	2529	-2.375e+04				5.269e+02	8.466
##	30182	-2.741e+04	+	-1.342e+02		3.907e+02	6.754
##	13549	-2.627e+04		-1.181e+02	2.890e+01	5.250e+02	7.228
##	9413	7.487e+03		-8.943e+01			9.438
##	29897	-1.028e+04			-4.556e+00		7.854
##	30157	-7.042e+03		-1.974e+02	3.264e+01		7.291
##	13542	-2.862e+04	+	-7.241e+01		5.864e+02	7.461
##	5314	3.480e+03	+				9.091
##	21705	-4.876e+03			-4.320e-01		8.222
##	9710	-2.766e+04	+	-9.598e+01	5.470e+01	4.847e+02	6.668
##	30153	-1.285e+04			1.962e+01		7.556
##	1707	-6.136e+04		+	1.319e+02	1.042e+03	
##	26094	-2.494e+04	+	-1.557e+02	2.618e+01	3.583e+02	6.473
##	7088	-5.956e+04	+	+	1.508e+02	9.249e+01	1.075e+03
##	10721	-2.438e+04				5.287e+02	8.567
##	5581	-1.745e+03		-1.148e+02	8.429e+01		7.786
##	5578	-6.131e+03	+		7.971e+01		7.425
##	13546	-3.148e+04	+		2.058e+01	5.411e+02	6.939
##	26544	-5.151e+04	+	+	-1.641e+01	1.099e+02	7.712e+02
##	9674	-5.700e+03	+		7.955e+01		7.390
##	28299	-2.811e+04		+	1.774e+02		
##	30189	-2.691e+04		-1.532e+02	1.497e+01	3.824e+02	6.804
##	5614	-2.988e+04	+	-6.712e+01	5.107e+01	4.981e+02	6.696
##	19875	-1.025e+05		+		1.631e+03	
##	9410	3.866e+03	+				9.096
##	31404	-5.281e+04	+	+	1.054e+02	1.047e+03	
##	15276	-5.280e+04	+	+	1.071e+02	1.053e+03	
##	3236	-9.161e+04	+	+		1.972e+03	
##	13805	-2.912e+04		-9.543e+01	4.636e+01	5.088e+02	6.977
##	10473	-2.369e+04			-5.605e+01	6.429e+02	9.332
##	27105	-2.328e+04				7.168e+02	9.030
##	13802	-3.331e+04	+		4.153e+01	5.186e+02	6.696
##	18914	-2.227e+04	+			7.397e+02	8.937
##	19627	-8.465e+04		+	1.053e+02	1.317e+03	
##	30628	-6.474e+04	+	+		1.032e+03	
##	13505	2.787e+03					9.318
##	19852	-2.881e+04	+	+	2.106e+02		
##	29930	-3.228e+04	+		-1.155e+01	4.421e+02	6.755
##	14256	-5.765e+04	+	+	9.488e+01	1.292e+02	9.020e+02
##	18921	-2.308e+04			-8.951e+00	7.594e+02	9.182
##	9418	-2.227e+03	+		5.806e+01		7.688
##	10916	-6.664e+04	+	+		1.558e+03	
##	1706	-4.734e+04	+		1.245e+02	8.074e+02	
##	18665	-2.024e+04			-3.038e+01	8.323e+02	9.524
##	23009	-2.284e+04				7.472e+02	9.074
##	18917	-2.337e+04		8.287e+00		7.509e+02	9.075
##	31408	-6.227e+04	+	+	2.086e+02	9.324e+01	1.116e+03
##	18658	-1.861e+04	+			7.834e+02	8.986
##	5322	-1.678e+03	+		5.108e+01		7.801
##	30376	-6.498e+04	+	+	6.477e+01	1.020e+03	
##	19376	-5.809e+04	+	+	1.677e+02	1.150e+02	1.147e+03
##	6820	-6.565e+04	+	+		1.540e+03	
##	18088	-6.079e+04	+	+	1.056e+01	1.094e+03	

## 15280	-6.204e+04	+	+	1.947e+02	8.628e+01	1.083e+03	
## 11691	-8.737e+04		+		1.514e+02	1.467e+03	
## 29902	-5.023e+03	+		-2.077e+02	2.218e+01		7.073
## 30640	-5.546e+04	+	+	2.105e+01	9.837e+01	7.917e+02	
## 18661	-1.713e+04			-4.841e+01		7.690e+02	9.205
## 3498	-7.399e+04	+			1.616e+02	1.215e+03	
## 26532	-6.292e+04	+	+			1.051e+03	
## 13769	-5.802e+03				6.973e+01		7.902
## 22753	-1.941e+04					7.952e+02	9.187
## 30186	-3.393e+04	+			1.032e+01	4.284e+02	6.542
## 3492	-9.568e+04	+	+			2.018e+03	
## 21706	-5.574e+03	+			1.106e+01		7.612
## 3243	-8.385e+04		+		1.440e+02	1.453e+03	
## 13798	-3.188e+04	+		-4.173e+01		6.039e+02	7.485
## 18091	-6.099e+04		+		1.056e+02	9.621e+02	
## 29898	-1.077e+04	+			6.420e+00		7.290
## 3240	-9.636e+04	+	+	1.572e+02		1.921e+03	
## 1963	-6.459e+04		+		1.386e+02	1.062e+03	
## 22440	-6.788e+04	+	+	5.526e+01		1.096e+03	
## 27564	-5.175e+04	+	+		1.106e+02	1.047e+03	
## 29934	-2.395e+04	+		-1.675e+02	4.247e+00	3.663e+02	6.672
## 5326	2.742e+03	+		-1.525e+02	7.522e+01		7.636
## 9669	5.482e+03			-5.989e+01			9.479
## 18060	-1.355e+04	+	+		1.798e+02		
## 23468	-5.203e+04	+	+		1.176e+02	1.088e+03	
## 9422	2.870e+03	+		-1.535e+02	7.666e+01		7.602
## 5570	2.609e+03	+					9.285
## 9666	3.072e+03	+					9.242
## 3496	-1.017e+05	+	+	1.808e+02		1.965e+03	
## 18347	-6.490e+04		+		1.077e+02	9.678e+02	
## 2537	-2.429e+04				-4.474e+01	6.304e+02	9.095
## 13513	-2.366e+03				4.688e+01		8.262
## 10466	-2.132e+04	+				5.040e+02	8.306
## 1478	4.731e+03	+		-3.654e+01			9.342
## 10469	-1.787e+04			-8.888e+01		5.038e+02	8.679
## 13761	2.169e+03						9.421
## 30154	-1.319e+04	+			2.874e+01		7.049
## 26280	-6.136e+04	+	+	2.155e+01		1.030e+03	
## 26857	-2.237e+04				-3.215e+01	7.463e+02	9.391
## 5573	4.130e+03			-3.962e+01			9.501
## 9678	-1.146e+03	+		-1.276e+02	9.303e+01		7.346
## 27304	-7.307e+04	+	+	2.241e+02		1.396e+03	
## 26850	-2.066e+04	+				6.967e+02	8.836
## 7595	-8.688e+04		+		1.543e+02	1.454e+03	
## 28552	-2.260e+04	+	+	-1.540e+01			
## 27300	-6.466e+04	+	+			1.354e+03	
## 2533	-1.871e+04			-9.420e+01		5.214e+02	8.624
## 19856	-2.429e+04	+	+	-1.572e+02	2.112e+02		
## 11176	-7.392e+04	+	+	2.494e+02		1.463e+03	
## 7332	-9.269e+04	+	+			1.976e+03	
## 30158	-7.722e+03	+		-1.839e+02	3.920e+01		6.895
## 9898	-4.831e+04	+			1.347e+02	7.924e+02	
## 23983	-8.421e+04		+	-1.005e+02	1.130e+02	1.258e+03	
## 28303	-2.410e+04		+	-1.366e+02	1.793e+02		



## 10729	-2.484e+04			-4.102e+01	6.236e+02	9.140
## 13550	-2.599e+04	+		-1.077e+02	3.592e+01	5.083e+02 6.915
## 3503	-8.856e+04		+	9.357e+00	1.519e+02	1.472e+03
## 5582	-2.433e+03	+		-1.016e+02	9.095e+01	7.379
## 28079	-8.520e+04		+	-9.603e+01	1.109e+02	1.265e+03
## 18344	-6.446e+04	+	+	1.181e+01		1.109e+03
## 2984	-7.209e+04	+	+	2.036e+02		1.486e+03
## 26853	-2.024e+04			-2.465e+01	6.975e+02	9.050
## 2530	-2.271e+04	+			5.238e+02	8.273
## 19108	-6.342e+04	+	+		1.466e+03	
## 5318	6.590e+03	+		-6.915e+01		9.293
## 30945	-2.138e+04				7.085e+02	9.032
## 23472	-6.079e+04	+	+	1.968e+02	1.072e+02	1.157e+03
## 15012	-6.752e+04	+	+			1.557e+03
## 31400	-7.530e+04	+	+	2.559e+02		1.383e+03
## 5802	-4.901e+04	+			1.257e+02	8.149e+02
## 13517	3.175e+03			-1.614e+02	6.835e+01	8.063
## 7336	-9.851e+04	+	+	1.838e+02		1.917e+03
## 10433	7.493e+03					10.120
## 14561	-2.243e+04				5.061e+02	8.539
## 19112	-7.141e+04	+	+	2.141e+02		1.510e+03
## 19596	-2.387e+04	+	+		2.089e+02	
## 27819	-8.653e+04		+		9.604e+01	1.280e+03
## 2980	-6.549e+04	+	+			1.552e+03
## 1962	-4.920e+04	+			1.401e+02	7.906e+02
## 22156	-1.556e+04	+	+		1.716e+02	
## 27568	-5.952e+04	+	+	1.791e+02	1.012e+02	1.106e+03
## 9414	7.556e+03	+		-8.037e+01		9.287
## 15272	-7.606e+04	+	+	2.817e+02		1.449e+03
## 32648	-2.521e+04	+	+	1.865e+01		
## 23948	-3.000e+04	+	+		2.053e+02	
## 13773	-8.230e+02			-1.358e+02	8.570e+01	7.768
## 7080	-7.436e+04	+	+	2.383e+02		1.471e+03
## 30190	-2.656e+04	+		-1.441e+02	2.125e+01	3.648e+02 6.497
## 10722	-2.336e+04	+			5.256e+02	8.378
## 13509	6.996e+03			-8.600e+01		9.469
## 19631	-7.928e+04		+	-1.143e+02	1.098e+02	1.267e+03
## 23208	-7.380e+04	+	+	2.478e+02		1.492e+03
## 13506	3.332e+03	+				9.130
## 11684	-9.472e+04	+	+		2.008e+03	
## 13806	-2.881e+04	+		-8.621e+01	5.259e+01	4.936e+02 6.691
## 6625	-2.379e+04				5.270e+02	8.469
## 32171	-8.932e+04		+		1.079e+02	1.301e+03
## 19882	-7.510e+04	+			1.393e+02	1.144e+03
## 7592	-1.036e+05	+	+	2.056e+02		1.960e+03
## 10725	-2.138e+04			-5.505e+01	5.253e+02	8.651
## 13770	-6.040e+03	+			7.911e+01	7.423
## 28067	-1.025e+05		+			1.589e+03
## 20107	-2.075e+04		+		2.073e+02	
## 32395	-2.709e+04		+		1.797e+02	
## 9899	-6.170e+04		+		1.320e+02	1.044e+03
## 28555	-2.899e+04		+		1.816e+02	
## 18316	-1.642e+04	+	+		1.821e+02	
## 1711	-6.195e+04		+	1.436e+01	1.304e+02	1.043e+03

## 5803	-6.169e+04		+		1.316e+02	1.046e+03	
## 1710	-4.454e+04	+		-6.994e+01	1.369e+02	7.899e+02	
## 11428	-9.064e+04	+	+			1.962e+03	
## 28044	-3.088e+04	+	+		2.005e+02		
## 19879	-9.996e+04		+	-5.826e+01		1.613e+03	
## 7588	-9.653e+04	+	+			2.019e+03	
## 10474	-2.291e+04	+			-5.017e+01	6.272e+02	9.114
## 13514	-2.755e+03	+			5.802e+01		7.723
## 14817	-2.432e+04					5.286e+02	8.563
## 27106	-2.259e+04	+				7.074e+02	8.877
## 26283	-6.193e+04		+		9.600e+01	9.378e+02	
## 27788	-2.897e+04	+	+		1.905e+02		
## 2497	7.485e+03						10.100
## 26252	-1.584e+04	+	+		1.673e+02		
## 10477	-2.175e+04			-3.536e+01	-5.059e+01	6.286e+02	9.310
## 27113	-2.354e+04				-1.397e+01	7.326e+02	9.185
## 23971	-1.027e+05		+			1.632e+03	
## 14569	-2.388e+04				-5.668e+01	6.449e+02	9.351
## 30632	-6.703e+04	+	+	6.284e+01		1.042e+03	
## 31396	-6.548e+04	+	+			1.339e+03	
## 18666	-1.946e+04	+			-2.449e+01	8.159e+02	9.303
## 31201	-2.317e+04					7.168e+02	9.024
## 27109	-2.383e+04			1.043e+01		7.216e+02	9.025
## 18918	-2.302e+04	+		1.486e+01		7.466e+02	8.925
## 18922	-2.236e+04	+			-3.902e+00	7.455e+02	8.988
## 23010	-2.232e+04	+				7.393e+02	8.935
## 23204	-6.433e+04	+	+			1.445e+03	
## 23723	-8.419e+04		+		1.063e+02	1.313e+03	
## 31660	-5.288e+04	+	+		1.056e+02	1.048e+03	
## 3242	-7.264e+04	+			1.292e+02	1.298e+03	
## 18090	-4.731e+04	+			1.213e+02	8.009e+02	
## 1676	-7.984e+03	+	+		2.370e+02		
## 5800	-7.629e+04	+	+	2.228e+02		1.404e+03	
## 18662	-1.684e+04	+		-3.899e+01		7.632e+02	9.016
## 18669	-1.877e+04			-2.927e+01	-2.710e+01	8.124e+02	9.499
## 19600	-1.915e+04	+	+	-1.696e+02	2.095e+02		
## 10689	6.972e+03						10.200
## 18925	-2.382e+04			1.399e+01	-1.019e+01	7.677e+02	9.189
## 22761	-2.038e+04				-3.095e+01	8.327e+02	9.536
## 23017	-2.300e+04				-8.564e+00	7.590e+02	9.174
## 22754	-1.881e+04	+				7.815e+02	8.979
## 23013	-2.324e+04			7.609e+00		7.508e+02	9.070
## 11172	-6.575e+04	+	+			1.547e+03	
## 20363	-2.465e+04		+		2.093e+02		
## 19619	-9.722e+04		+			1.634e+03	
## 15787	-8.635e+04		+		1.527e+02	1.453e+03	
## 7076	-6.638e+04	+	+			1.549e+03	
## 11688	-1.003e+05	+	+	1.592e+02		1.964e+03	
## 1700	-6.843e+04	+	+			1.485e+03	
## 22757	-1.706e+04			-4.879e+01		7.689e+02	9.203
## 3502	-7.210e+04	+		-3.421e+01	1.663e+02	1.202e+03	
## 11690	-7.395e+04	+			1.608e+02	1.217e+03	
## 31664	-6.226e+04	+	+	2.087e+02	9.319e+01	1.116e+03	
## 7594	-7.426e+04	+			1.613e+02	1.218e+03	

## 11695	-8.641e+04		+ -1.873e+01	1.532e+02	1.462e+03	
## 18095	-5.828e+04		+ -6.475e+01	1.076e+02	9.411e+02	
## 18064	-1.135e+04	+	+ -8.424e+01	1.802e+02		
## 7339	-8.276e+04		+	1.452e+02	1.439e+03	
## 10470	-1.763e+04	+	-7.488e+01		5.023e+02	8.458
## 22187	-6.206e+04		+	1.032e+02	9.718e+02	
## 22412	-1.821e+04	+	+	1.740e+02		
## 13762	2.639e+03	+				9.266
## 9670	5.598e+03	+	-5.336e+01			9.354
## 26536	-6.362e+04	+	+ 1.995e+01		1.054e+03	
## 30348	-1.784e+04	+	+	1.591e+02		
## 26282	-4.855e+04	+		1.149e+02	7.345e+02	
## 23692	-2.526e+04	+	+	2.031e+02		
## 13994	-4.960e+04	+		1.345e+02	8.005e+02	
## 13765	5.001e+03		-5.654e+01			9.510
## 10155	-6.463e+04		+	1.392e+02	1.062e+03	
## 1967	-6.584e+04		+ 2.939e+01	1.357e+02	1.065e+03	
## 3247	-8.292e+04		+ -1.918e+01	1.460e+02	1.449e+03	
## 1704	-7.246e+04	+	+ 1.764e+02		1.410e+03	
## 11435	-8.367e+04		+	1.437e+02	1.452e+03	
## 2541	-2.081e+04		-6.290e+01	-3.561e+01	6.056e+02	9.072
## 20111	-1.631e+04		+ -1.651e+02	2.079e+02		
## 13518	2.329e+03	+	-1.464e+02	7.577e+01		7.626
## 6059	-6.472e+04		+	1.385e+02	1.063e+03	
## 5574	4.003e+03	+	-2.871e+01			9.346
## 23952	-2.575e+04	+	+ -1.412e+02	2.066e+02		
## 11432	-9.584e+04	+	+ 1.520e+02		1.919e+03	
## 2281	-2.060e+04			-8.898e+01	6.894e+02	9.562
## 2538	-2.355e+04	+		-3.952e+01	6.163e+02	8.897
## 18351	-6.231e+04		+ -6.179e+01	1.095e+02	9.477e+02	
## 27811	-9.835e+04		+		1.540e+03	
## 26539	-6.486e+04		+	1.031e+02	9.563e+02	
## 10434	8.525e+03	+				9.871
## 15780	-9.557e+04	+	+		2.009e+03	
## 26858	-2.161e+04	+		-2.642e+01	7.307e+02	9.176
## 10437	1.209e+04		-9.221e+01			10.260
## 22443	-6.591e+04		+	1.053e+02	9.769e+02	
## 14562	-2.154e+04	+			5.047e+02	8.305
## 5796	-7.057e+04	+	+		1.496e+03	
## 6058	-5.032e+04	+		1.386e+02	7.996e+02	
## 2534	-1.836e+04	+	-8.482e+01		5.193e+02	8.449
## 6633	-2.449e+04			-4.559e+01	6.329e+02	9.120
## 13774	-1.523e+03	+	-1.224e+02	9.223e+01		7.366
## 14565	-1.773e+04		-8.963e+01		5.035e+02	8.674
## 27792	-2.429e+04	+	+ -1.550e+02	1.924e+02		
## 28048	-2.629e+04	+	+ -1.512e+02	2.022e+02		
## 15524	-9.158e+04	+	+		1.963e+03	
## 32399	-2.254e+04		+ -1.478e+02	1.822e+02		
## 30953	-2.242e+04			-3.235e+01	7.465e+02	9.395
## 26861	-2.232e+04		-9.714e-01	-3.204e+01	7.457e+02	9.390
## 27823	-8.141e+04		+ -1.069e+02	1.008e+02	1.235e+03	
## 30946	-2.078e+04	+			6.959e+02	8.832
## 26854	-1.997e+04	+	-1.452e+01		6.906e+02	8.850
## 10154	-4.896e+04	+		1.396e+02	7.881e+02	

##	2277	-8.389e+03			-2.080e+02		4.709e+02	8.659
##	6629	-1.863e+04			-9.467e+01		5.212e+02	8.621
##	27560	-7.229e+04	+	+	2.239e+02		1.386e+03	
##	28559	-2.495e+04			+ -1.395e+02	1.838e+02		
##	10730	-2.410e+04	+			-3.574e+01	6.093e+02	8.939
##	9902	-4.730e+04	+		-2.337e+01	1.381e+02	7.877e+02	
##	31884	-3.028e+04	+	+		1.851e+02		
##	27556	-6.386e+04	+	+			1.345e+03	
##	18083	-7.190e+04		+			1.258e+03	
##	7599	-8.687e+04		+	-1.817e-01	1.543e+02	1.454e+03	
##	15784	-1.021e+05	+	+	1.834e+02		1.958e+03	
##	32140	-3.207e+04	+	+		1.951e+02		
##	18346	-4.939e+04	+			1.306e+02	7.630e+02	
##	13510	6.729e+03	+		-7.158e+01			9.293
##	20367	-2.023e+04		+	-1.637e+02	2.098e+02		
##	10733	-2.369e+04			-2.061e+01	-3.815e+01	6.157e+02	9.131
##	22186	-4.907e+04	+			1.167e+02	7.965e+02	
##	5806	-4.717e+04	+		-4.171e+01	1.330e+02	8.036e+02	
##	2501	1.257e+04			-1.016e+02			10.250
##	14825	-2.493e+04				-4.140e+01	6.247e+02	9.150
##	6626	-2.292e+04	+				5.242e+02	8.272
##	26817	9.802e+03						10.320
##	19364	-6.466e+04	+	+			1.469e+03	
##	18881	1.286e+04						10.600
##	1966	-4.734e+04	+		-4.114e+01	1.456e+02	7.822e+02	
##	10441	8.673e+03				-9.656e+00		10.330
##	30949	-2.010e+04			-2.539e+01		6.972e+02	9.044
##	19886	-7.051e+04	+		-8.810e+01	1.456e+02	1.092e+03	
##	14529	7.547e+03						10.120
##	22160	-1.406e+04	+	+	-5.310e+01	1.723e+02		
##	32175	-8.425e+04		+	-1.004e+02	1.127e+02	1.257e+03	
##	15268	-6.655e+04	+	+			1.544e+03	
##	11434	-7.312e+04	+			1.402e+02	1.270e+03	
##	19368	-7.279e+04	+	+	2.152e+02		1.514e+03	
##	15528	-9.782e+04	+	+	1.770e+02		1.914e+03	
##	31656	-7.442e+04	+	+	2.559e+02		1.372e+03	
##	10726	-2.103e+04	+		-4.449e+01		5.232e+02	8.463
##	26275	-7.182e+04		+			1.182e+03	
##	3246	-6.704e+04	+		-1.046e+02	1.476e+02	1.247e+03	
##	2498	8.401e+03	+					9.881
##	31915	-8.606e+04		+		9.710e+01	1.276e+03	
##	26508	-1.725e+04	+	+		1.729e+02		
##	14818	-2.348e+04	+				5.259e+02	8.377
##	24203	-1.972e+04		+		2.096e+02		
##	18320	-1.422e+04	+	+	-8.428e+01	1.825e+02		
##	5772	-8.783e+03	+	+		2.367e+02		
##	17836	-6.346e+04	+	+		1.275e+02	7.941e+02	
##	23978	-7.556e+04	+			1.376e+02	1.144e+03	
##	18339	-7.582e+04		+			1.269e+03	
##	18094	-4.316e+04	+		-1.015e+02	1.283e+02	7.527e+02	
##	23727	-7.836e+04		+	-1.186e+02	1.117e+02	1.259e+03	
##	28074	-7.538e+04	+			1.362e+02	1.127e+03	
##	2285	-1.381e+04			-1.339e+02	-6.236e+01	6.270e+02	9.437
##	23464	-7.497e+04	+	+	2.485e+02		1.495e+03	

##	32651	-2.797e+04		+		1.840e+02		
##	23696	-2.080e+04	+	+	-1.522e+02	2.046e+02		
##	28071	-1.000e+05			+	-5.711e+01	1.571e+03	
##	14821	-2.123e+04				-5.585e+01	5.250e+02	8.645
##	9903	-6.285e+04			+	2.694e+01	1.292e+02	1.047e+03
##	26256	-1.387e+04	+	+	-7.142e+01	1.682e+02		
##	13995	-6.195e+04			+		1.318e+02	1.047e+03
##	10690	7.870e+03	+					9.991
##	1932	-9.262e+03	+	+		2.421e+02		
##	30378	-5.016e+04	+			1.108e+02	7.328e+02	
##	26287	-5.966e+04			+	-5.350e+01	9.796e+01	9.213e+02
##	32163	-1.026e+05			+			1.589e+03
##	14570	-2.316e+04	+			-5.048e+01	6.288e+02	9.117
##	10478	-2.121e+04	+		-3.161e+01	-4.553e+01	6.151e+02	9.103
##	30379	-6.306e+04		+		9.336e+01	9.477e+02	
##	5807	-6.251e+04		+	1.779e+01	1.297e+02	1.049e+03	
##	2505	7.071e+03				3.301e+00		10.030
##	6593	7.488e+03						10.100
##	7338	-7.325e+04	+			1.295e+02	1.300e+03	
##	27114	-2.282e+04	+			-8.902e+00	7.184e+02	8.989
##	6056	-7.869e+04	+	+	2.313e+02		1.428e+03	
##	27110	-2.348e+04	+		1.757e+01		7.151e+02	8.861
##	31202	-2.264e+04	+				7.071e+02	8.875
##	10693	1.020e+04			-6.346e+01			10.290
##	23975	-1.001e+05		+	-5.733e+01		1.614e+03	
##	19626	-7.305e+04	+			1.178e+02	1.271e+03	
##	14573	-2.197e+04			-3.376e+01	-5.128e+01	6.307e+02	9.325
##	13992	-7.721e+04	+	+	2.369e+02		1.403e+03	
##	27117	-2.459e+04			1.958e+01	-1.583e+01	7.437e+02	9.195
##	22762	-1.972e+04	+			-2.518e+01	8.147e+02	9.304
##	3723	-1.142e+04		+		2.737e+02		
##	18670	-1.821e+04	+		-2.533e+01	-2.184e+01	7.993e+02	9.288
##	31209	-2.347e+04				-1.358e+01	7.322e+02	9.177
##	1680	-9.283e+03	+	+	3.693e+01	2.334e+02		
##	24196	-1.454e+04	+	+				
##	24459	-2.361e+04		+		2.117e+02		
##	19623	-9.399e+04		+	-7.661e+01		1.611e+03	
##	31205	-2.368e+04			9.635e+00		7.212e+02	9.019
##	18926	-2.328e+04	+		1.749e+01	-5.336e+00	7.556e+02	8.992
##	23014	-2.314e+04	+		1.597e+01		7.465e+02	8.921
##	23018	-2.242e+04	+			-4.196e+00	7.454e+02	8.990
##	31652	-6.460e+04	+	+			1.328e+03	
##	23460	-6.541e+04	+	+			1.449e+03	
##	9868	-8.035e+03	+	+		2.371e+02		
##	27073	8.431e+03						10.330
##	21932	-6.617e+04	+	+		1.178e+02	8.093e+02	
##	10697	6.143e+03				6.598e+00		10.070
##	20100	-1.223e+04	+	+				
##	22758	-1.710e+04	+		-3.659e+01		7.630e+02	9.008
##	14785	7.060e+03						10.200
##	22765	-1.891e+04			-2.836e+01	-2.757e+01	8.133e+02	9.507
##	1956	-7.020e+04	+	+			1.507e+03	
##	27818	-7.481e+04	+			1.129e+02	1.163e+03	
##	23021	-2.374e+04			1.344e+01	-9.849e+00	7.671e+02	9.182

##	30604	-1.908e+04	+	+	1.644e+02		
##	1960	-7.522e+04	+	+	1.866e+02	1.436e+03	
##	24207	-1.472e+04		+	-1.766e+02	2.108e+02	
##	23715	-9.747e+04		+			1.635e+03
##	26286	-4.563e+04	+		-6.918e+01	1.201e+02	7.067e+02
##	9892	-6.863e+04	+	+			1.486e+03
##	13766	4.857e+03	+		-4.557e+01		9.359
##	11694	-7.147e+04	+		-4.467e+01	1.665e+02	1.201e+03
##	31888	-2.594e+04	+	+	-1.376e+02	1.876e+02	
##	10438	1.225e+04	+		-7.774e+01		10.020
##	9896	-7.354e+04	+	+	1.928e+02		1.408e+03
##	2245	1.919e+04			-2.042e+02		10.140
##	15786	-7.423e+04	+			1.603e+02	1.220e+03
##	15791	-8.490e+04		+	-2.695e+01	1.554e+02	1.446e+03
##	7598	-7.255e+04	+		-2.999e+01	1.654e+02	1.206e+03
##	2273	-1.749e+04					4.624e+02
##	22191	-5.939e+04		+	-5.925e+01	1.054e+02	9.508e+02
##	26538	-4.921e+04	+			1.199e+02	7.301e+02
##	22416	-1.669e+04	+	+	-5.437e+01	1.747e+02	
##	32144	-2.779e+04	+	+	-1.351e+02	1.975e+02	
##	22442	-5.073e+04	+			1.254e+02	7.632e+02
##	2282	-1.976e+04	+			-8.244e+01	6.722e+02
##	14250	-5.004e+04	+			1.382e+02	7.969e+02
##	14566	-1.789e+04	+		-7.248e+01		5.028e+02
##	18625	1.995e+04					8.452
##	2542	-2.030e+04	+		-5.997e+01	-3.124e+01	5.938e+02
##	7343	-8.131e+04		+	-2.822e+01	1.482e+02	8.891
##	6377	-2.125e+04				-9.028e+01	1.432e+03
##	30352	-1.667e+04	+	+	-3.957e+01	1.599e+02	6.948e+02
##	13998	-4.966e+04	+		1.288e+00	1.343e+02	9.619
##	15531	-8.266e+04		+		1.450e+02	8.008e+02
##	2278	-8.187e+03	+		-1.924e+02		1.439e+03
##	27815	-9.538e+04		+	-7.011e+01		4.695e+02
##	10159	-6.563e+04		+	2.363e+01	1.367e+02	8.424
##	6637	-2.099e+04			-6.155e+01	-3.624e+01	1.520e+03
##	6063	-6.624e+04		+	3.185e+01	1.351e+02	1.065e+03
##	14251	-6.480e+04		+		1.390e+02	6.074e+02
##	6634	-2.380e+04	+			-4.012e+01	9.086
##	26543	-6.245e+04		+	-5.741e+01	1.053e+02	1.069e+03
##	11439	-8.245e+04		+	-2.396e+01	1.460e+02	1.064e+03
##	26818	1.018e+04	+				6.183e+02
##	14530	8.369e+03	+				8.905
##	6052	-7.195e+04	+	+			6.183e+02
##	22179	-7.362e+04		+			8.905
##	22447	-6.334e+04		+	-5.660e+01	1.075e+02	10.030
##	30635	-6.589e+04		+		1.006e+02	9.872
##	10442	8.665e+03	+			-1.226e+00	1.513e+03
##	14533	1.228e+04			-9.331e+01		1.264e+03
##	26821	1.248e+04			-8.957e+01		1.264e+03
##	10445	1.194e+04			-9.449e+01	2.190e+00	9.569e+02
##	6062	-4.943e+04	+		-1.857e+01	1.412e+02	9.655e+02
##	26531	-7.459e+04		+			9.900
##	32655	-2.338e+04		+	-1.510e+02	1.869e+02	10.250
##	30954	-2.178e+04	+			-2.691e+01	10.300
							10.210
							7.954e+02
							1.210e+03
							7.303e+02
							9.178

## 31907	-9.851e+04		+			1.541e+03	
## 26862	-2.176e+04	+		3.035e+00	-2.675e+01	7.324e+02	9.177
## 13988	-7.062e+04	+	+			1.496e+03	
## 6630	-1.859e+04	+		-8.263e+01		5.197e+02	8.444
## 19630	-6.552e+04	+		-1.492e+02	1.309e+02	1.168e+03	
## 28290	-2.209e+04	+					
## 24463	-1.863e+04		+	-1.755e+02	2.128e+02		
## 18350	-4.590e+04	+		-8.021e+01	1.352e+02	7.288e+02	
## 1705	-6.007e+04				1.143e+02	1.016e+03	
## 22190	-4.571e+04	+		-7.720e+01	1.225e+02	7.604e+02	
## 18882	1.333e+04	+					10.370
## 18885	1.504e+04			-7.472e+01			10.570
## 2502	1.282e+04	+		-9.156e+01			10.060
## 18889	1.138e+04				2.908e+01		10.190
## 10158	-4.808e+04	+		-1.995e+01	1.423e+02	7.842e+02	
## 30957	-2.239e+04			-4.994e-01	-3.229e+01	7.462e+02	9.395
## 6373	-8.412e+03			-2.078e+02		4.710e+02	8.660
## 30950	-2.016e+04	+		-1.275e+01		6.906e+02	8.845
## 31919	-8.049e+04		+	-1.112e+02	1.026e+02	1.227e+03	
## 17580	-5.882e+04	+	+		1.264e+02	7.820e+02	
## 30371	-7.347e+04		+			1.189e+03	
## 2509	1.119e+04			-1.157e+02	1.660e+01		9.920
## 11438	-6.908e+04	+		-7.330e+01	1.504e+02	1.241e+03	
## 18087	-7.062e+04		+	-3.319e+01		1.250e+03	
## 14826	-2.427e+04	+			-3.618e+01	6.107e+02	8.944
## 10734	-2.315e+04	+		-1.720e+01	-3.346e+01	6.030e+02	8.936
## 22435	-7.750e+04		+			1.275e+03	
## 6597	1.270e+04			-1.025e+02			10.240
## 17840	-5.936e+04	+	+	-9.185e+01	1.300e+02	7.649e+02	
## 26825	9.892e+03				-3.796e+00		10.370
## 30913	9.882e+03						10.320
## 28297	-2.461e+04				1.721e+02		
## 22977	1.293e+04						10.600
## 15530	-7.356e+04	+			1.399e+02	1.273e+03	
## 14829	-2.379e+04			-1.989e+01	-3.850e+01	6.167e+02	9.138
## 14537	8.689e+03				-9.561e+00		10.330
## 6028	-9.877e+03	+	+		2.413e+02		
## 23982	-7.114e+04	+		-8.296e+01	1.439e+02	1.095e+03	
## 28078	-7.090e+04	+		-8.510e+01	1.428e+02	1.080e+03	
## 26512	-1.520e+04	+	+	-7.586e+01	1.741e+02		
## 28546	-1.933e+04	+					
## 5776	-1.129e+04	+	+	6.779e+01	2.300e+02		
## 7819	-1.040e+04		+		2.729e+02		
## 7342	-6.791e+04	+		-9.609e+01	1.463e+02	1.252e+03	
## 2274	-1.612e+04	+				4.612e+02	7.920
## 18629	2.276e+04			-1.379e+02			10.750
## 2506	7.130e+03	+			1.078e+01		9.633
## 6594	8.239e+03	+					9.882
## 28301	-1.922e+04			-1.943e+02	1.825e+02		
## 26279	-7.104e+04		+	-2.033e+01		1.178e+03	
## 14822	-2.120e+04	+		-4.287e+01		5.234e+02	8.459
## 2286	-1.328e+04	+		-1.305e+02	-5.759e+01	6.143e+02	9.242
## 3979	-1.306e+04		+		2.800e+02		
## 21676	-6.175e+04	+	+		1.163e+02	7.981e+02	

## 26028	-6.335e+04	+	+	1.303e+02	8.009e+02	
## 32170	-7.584e+04	+		1.345e+02	1.127e+03	
## 18343	-7.466e+04		+	-2.983e+01	1.262e+03	
## 13964	-8.773e+03	+	+	2.367e+02		
## 9897	-6.086e+04			1.263e+02	9.934e+02	
## 27822	-6.863e+04	+		-1.183e+02	1.239e+02	1.094e+03
## 6381	-1.438e+04			-1.295e+02	-6.392e+01	6.319e+02 9.472
## 1961	-6.193e+04			1.349e+02	9.855e+02	
## 11915	-1.220e+04		+	2.751e+02		
## 10694	1.043e+04	+		-5.217e+01		10.080
## 2731	-6.423e+04		+	9.803e+01	1.266e+03	
## 2241	9.754e+03					9.698
## 23722	-7.385e+04	+		1.157e+02	1.268e+03	
## 10698	6.201e+03	+		1.410e+01		9.668
## 30382	-4.812e+04	+		-4.543e+01	1.145e+02	7.146e+02
## 1936	-1.089e+04	+	+	4.444e+01	2.381e+02	
## 30634	-5.057e+04	+		1.144e+02	7.297e+02	
## 20356	-1.453e+04	+	+			
## 10124	-9.280e+03	+	+	2.428e+02		
## 24452	-1.662e+04	+	+			
## 13999	-6.339e+04		+	3.018e+01	1.285e+02	1.052e+03
## 27074	8.837e+03	+				10.080
## 14786	7.774e+03	+				9.991
## 30383	-6.089e+04		+	-4.734e+01	9.546e+01	9.317e+02
## 32167	-1.001e+05		+	-5.644e+01		1.572e+03
## 14574	-2.168e+04	+		-2.689e+01	-4.649e+01	6.183e+02 9.108
## 10701	8.967e+03			-7.646e+01	1.502e+01	9.989
## 6601	7.078e+03			3.352e+00		10.030
## 14248	-7.874e+04	+	+	2.378e+02		1.422e+03
## 14789	1.039e+04			-6.461e+01		10.280
## 27077	1.041e+04			-6.201e+01		10.310
## 10923	-6.627e+04		+	1.002e+02	1.275e+03	
## 27118	-2.405e+04	+		2.320e+01	-1.095e+01	7.310e+02 8.995
## 18626	2.025e+04	+				10.530
## 31210	-2.288e+04	+		-9.203e+00	7.183e+02	8.991
## 2246	1.931e+04	+		-1.883e+02		9.895
## 31206	-2.360e+04	+		1.861e+01		7.151e+02 8.858
## 21936	-6.314e+04	+	+	-6.441e+01	1.201e+02	7.879e+02
## 31914	-7.548e+04	+		1.111e+02	1.162e+03	
## 22766	-1.862e+04	+		-2.156e+01	-2.284e+01	8.006e+02 9.291
## 27081	7.924e+03			1.597e+01		10.120
## 3727	-1.010e+04		+	-3.418e+01	2.766e+02	
## 9872	-9.569e+03	+	+	4.168e+01	2.331e+02	
## 31213	-2.452e+04			1.910e+01	-1.553e+01	7.431e+02 9.189
## 31169	8.546e+03					10.320
## 14793	6.194e+03			7.045e+00		10.050
## 30124	-6.606e+04	+	+	1.203e+02	8.154e+02	
## 20104	-1.087e+04	+	+	-5.316e+01		
## 1709	-5.547e+04			-1.042e+02	1.331e+02	9.830e+02
## 23022	-2.344e+04	+		1.904e+01	-5.849e+00	7.564e+02 8.995
## 23719	-9.417e+04		+	-7.564e+01	1.611e+03	
## 32386	-2.327e+04	+				
## 24200	-1.414e+04	+	+	-1.467e+01		
## 10148	-7.022e+04	+	+		1.507e+03	



## 30608	-1.779e+04	+	+	-4.467e+01	1.655e+02		
## 6378	-2.040e+04	+			-8.211e+01	6.741e+02	9.324
## 26542	-4.636e+04	+		-6.560e+01	1.243e+02	7.042e+02	
## 10152	-7.529e+04	+	+	1.942e+02		1.430e+03	
## 2253	1.977e+04			-1.925e+02	-9.670e+00		10.340
## 6369	-1.785e+04					4.636e+02	8.258
## 22446	-4.801e+04	+		-5.972e+01	1.293e+02	7.377e+02	
## 10446	1.164e+04	+		-8.602e+01	8.834e+00		9.829
## 6341	1.924e+04			-2.045e+02			10.140
## 14534	1.208e+04	+		-7.589e+01			10.020
## 26822	1.242e+04	+		-7.662e+01			10.040
## 15790	-7.193e+04	+		-4.044e+01	1.656e+02	1.204e+03	
## 18890	1.154e+04	+			3.751e+01		9.775
## 30627	-7.624e+04		+			1.216e+03	
## 18633	1.979e+04				4.735e+00		10.790
## 32642	-2.050e+04	+					
## 22721	1.988e+04						10.850
## 26274	-6.154e+04	+				1.013e+03	
## 14254	-5.019e+04	+		3.132e+00	1.378e+02	7.976e+02	
## 18893	1.367e+04			-8.762e+01	3.422e+01		10.070
## 6638	-2.070e+04	+		-5.592e+01	-3.222e+01	5.967e+02	8.897
## 6374	-8.683e+03	+		-1.875e+02		4.705e+02	8.415
## 17584	-5.405e+04	+	+	-1.091e+02	1.293e+02	7.476e+02	
## 2242	1.107e+04	+					9.375
## 2249	1.458e+04				-4.181e+01		10.660
## 15535	-8.092e+04		+	-3.228e+01	1.482e+02	1.430e+03	
## 30914	9.939e+03	+					10.020
## 14255	-6.603e+04		+	2.609e+01	1.361e+02	1.069e+03	
## 26826	1.006e+04	+			5.586e+00		9.941
## 18886	1.520e+04	+		-6.590e+01			10.370
## 32397	-1.712e+04			-2.083e+02	1.861e+02		
## 30639	-6.355e+04		+	-5.183e+01	1.030e+02	9.481e+02	
## 14538	8.525e+03	+			-1.372e+00		9.904
## 31911	-9.545e+04		+	-6.971e+01		1.520e+03	
## 23726	-6.652e+04	+		-1.408e+02	1.287e+02	1.171e+03	
## 32393	-2.321e+04				1.743e+02		
## 22183	-7.277e+04		+	-2.101e+01		1.259e+03	
## 18082	-6.091e+04	+				1.115e+03	
## 2510	1.099e+04	+		-1.087e+02	2.247e+01		9.573
## 14244	-7.202e+04	+	+			1.515e+03	
## 30917	1.267e+04			-9.064e+01			10.290
## 14541	1.209e+04			-9.641e+01	2.893e+00		10.190
## 26829	1.245e+04			-9.240e+01	4.722e+00		10.230
## 18089	-6.003e+04				1.106e+02	1.008e+03	
## 26281	-6.095e+04				1.036e+02	9.237e+02	
## 5801	-6.021e+04				1.143e+02	1.018e+03	
## 25772	-5.956e+04	+	+		1.206e+02	7.686e+02	
## 8075	-1.209e+04		+		2.796e+02		
## 2700	-2.319e+03	+	+		2.327e+02		
## 26535	-7.376e+04		+	-2.140e+01		1.205e+03	
## 1699	-7.968e+04		+			1.644e+03	
## 1452	-6.570e+04	+	+		1.869e+02	9.759e+02	
## 30958	-2.211e+04	+		6.215e+00	-2.759e+01	7.337e+02	9.180
## 16011	-1.120e+04		+		2.744e+02		

## 10922	-4.883e+04	+		1.105e+02	9.367e+02	
## 22978	1.314e+04	+				10.370
## 28294	-2.230e+04	+	8.905e+00			
## 22985	1.153e+04			3.015e+01		10.160
## 22981	1.520e+04		-7.560e+01			10.560
## 6598	1.265e+04	+	-8.983e+01			10.050
## 2987	-6.654e+04		+	1.036e+02	1.277e+03	
## 18630	2.275e+04	+	-1.256e+02			10.500
## 15534	-6.979e+04	+	-6.672e+01	1.492e+02	1.246e+03	
## 6605	1.134e+04		-1.178e+02	1.747e+01		9.891
## 3212	-1.198e+04	+	+	3.020e+02		
## 6032	-1.266e+04	+	+	7.327e+01	2.344e+02	
## 6370	-1.681e+04	+			4.641e+02	7.927
## 28553	-2.532e+04			1.781e+02		
## 30375	-7.313e+04		+	-8.533e+00	1.187e+03	
## 14830	-2.349e+04	+	-1.380e+01	-3.431e+01	6.055e+02	8.942
## 26032	-5.912e+04	+	+	-9.432e+01	1.333e+02	7.720e+02
## 19115	-6.392e+04		+	1.145e+02	1.329e+03	
## 30921	9.951e+03			-3.483e+00		10.360
## 22439	-7.677e+04		+	-1.778e+01	1.270e+03	
## 10153	-6.170e+04			1.344e+02	9.830e+02	
## 3497	-8.800e+04			1.554e+02	1.427e+03	
## 30370	-6.299e+04	+			9.985e+02	
## 1674	-6.431e+03	+		2.082e+02		
## 14220	-9.911e+03	+	+	2.421e+02		
## 29868	-6.250e+04	+	+	1.104e+02	7.846e+02	
## 21680	-5.803e+04	+	+	-8.051e+01	1.191e+02	7.715e+02
## 18637	2.237e+04		-1.468e+02	1.699e+01		10.510
## 22178	-6.250e+04	+			1.094e+03	
## 18345	-6.207e+04			1.230e+02	9.493e+02	
## 1965	-5.868e+04		-6.748e+01	1.440e+02	9.685e+02	
## 7823	-8.194e+03		+	-5.551e+01	2.776e+02	
## 32174	-7.154e+04	+	-7.986e+01	1.410e+02	1.082e+03	
## 9901	-5.831e+04		-5.491e+01	1.343e+02	9.795e+02	
## 6602	7.014e+03	+		1.045e+01		9.641
## 1196	-6.152e+04	+	+	1.807e+02	9.495e+02	
## 28550	-1.891e+04	+	-1.605e+01			
## 22725	2.286e+04		-1.385e+02			10.740
## 13968	-1.152e+04	+	+	7.155e+01	2.298e+02	
## 9644	-6.463e+04	+	+	1.864e+02	9.667e+02	
## 6382	-1.409e+04	+	-1.223e+02	-5.896e+01	6.191e+02	9.248
## 28557	-1.980e+04		-1.904e+02	1.864e+02		
## 3468	-1.463e+04	+	+	3.106e+02		
## 10927	-7.191e+04		+	1.148e+02	8.834e+01	1.295e+03
## 10702	8.734e+03	+	-6.868e+01	2.115e+01		9.627
## 12171	-1.314e+04		+	2.793e+02		
## 13993	-6.050e+04			1.264e+02	9.894e+02	
## 31918	-6.954e+04	+	-1.107e+02	1.218e+02	1.098e+03	
## 19114	-4.539e+04	+		1.430e+02	1.155e+03	
## 26250	-1.478e+04	+		1.665e+02		
## 6057	-6.156e+04			1.352e+02	9.810e+02	
## 6337	9.517e+03					9.720
## 21924	-7.973e+04	+	+		1.143e+03	
## 2735	-6.694e+04		+	5.847e+01	9.184e+01	1.276e+03

##	3983	-1.206e+04		+	-2.513e+01	2.820e+02		
##	27082	8.127e+03	+			2.437e+01	9.720	
##	14790	1.032e+04	+		-5.099e+01		10.080	
##	27078	1.046e+04	+		-5.194e+01		10.090	
##	27810	-8.913e+04	+				1.449e+03	
##	30638	-4.859e+04	+		-4.345e+01	1.177e+02	7.126e+02	
##	19874	-9.119e+04	+				1.538e+03	
##	6827	-6.364e+04		+		9.876e+01	1.259e+03	
##	14794	6.139e+03	+			1.389e+01	9.673	
##	27306	-4.758e+04	+			1.372e+02	1.049e+03	
##	18093	-5.337e+04			-1.473e+02	1.212e+02	9.283e+02	
##	10128	-1.070e+04	+	+	3.899e+01	2.390e+02		
##	11919	-1.183e+04		+	-9.183e+00	2.758e+02		
##	10892	-3.681e+03	+	+		2.355e+02		
##	1703	-8.335e+04		+	1.408e+02		1.591e+03	
##	20360	-1.316e+04	+	+	-5.365e+01			
##	31170	8.691e+03	+				10.070	
##	27085	1.004e+04			-7.125e+01	2.110e+01	10.030	
##	14797	9.152e+03			-7.901e+01	1.610e+01	9.953	
##	18634	1.978e+04	+			1.501e+01	10.300	
##	22722	1.977e+04	+				10.520	
##	19618	-8.782e+04	+				1.587e+03	
##	6342	1.894e+04	+		-1.841e+02		9.889	
##	9866	-8.463e+03	+			2.183e+02		
##	24456	-1.619e+04	+	+	-1.583e+01			
##	31173	1.061e+04			-6.312e+01		10.300	
##	2254	1.950e+04	+		-1.847e+02	-3.284e+00	9.967	
##	15019	-6.544e+04		+		1.013e+02	1.264e+03	
##	11179	-6.693e+04		+		1.021e+02	1.278e+03	
##	30128	-6.290e+04	+	+	-6.676e+01	1.230e+02	7.941e+02	
##	31214	-2.423e+04	+		2.490e+01	-1.152e+01	7.318e+02	8.998
##	2250	1.452e+04	+			-3.233e+01	10.190	
##	2723	-7.731e+04		+			1.723e+03	
##	27307	-6.618e+04		+		1.018e+02	1.281e+03	
##	31177	8.072e+03				1.700e+01	10.100	
##	17828	-7.759e+04	+	+			1.159e+03	
##	5805	-5.473e+04			-1.090e+02	1.339e+02	9.762e+02	
##	1930	-9.842e+03	+			2.257e+02		
##	10926	-5.550e+04	+		1.300e+02	9.196e+01	9.774e+02	
##	18894	1.359e+04	+		-7.873e+01	4.143e+01	9.708	
##	26285	-5.586e+04			-1.103e+02	1.123e+02	8.729e+02	
##	32390	-2.404e+04	+		2.982e+01			
##	27310	-5.665e+04	+		1.844e+02	1.190e+02	1.141e+03	
##	26530	-6.003e+04	+				1.004e+03	
##	6796	-2.973e+03	+	+		2.318e+02		
##	6349	1.977e+04			-1.925e+02	-9.672e+00	10.340	
##	6338	1.059e+04	+				9.391	
##	19881	-8.909e+04				1.317e+02	1.351e+03	
##	26830	1.234e+04	+		-8.303e+01	1.242e+01	9.856	
##	25776	-5.497e+04	+	+	-1.033e+02	1.240e+02	7.373e+02	
##	14542	1.151e+04	+		-8.413e+01	8.546e+00	9.833	
##	1678	-3.299e+03	+		-1.146e+02	2.256e+02		
##	3491	-1.097e+05		+			2.209e+03	
##	30918	1.223e+04	+		-7.489e+01		10.040	

## 5548	-6.735e+04	+	+	1.851e+02	9.956e+02	
## 26278	-6.210e+04	+		1.651e+01	1.017e+03	
## 1955	-8.214e+04		+		1.674e+03	
## 22729	1.975e+04			4.554e+00		10.790
## 11913	-1.079e+04			2.504e+02		
## 26537	-6.178e+04			1.118e+02	9.134e+02	
## 22986	1.146e+04	+		3.715e+01		9.777
## 26254	-1.127e+04	+		-1.475e+02	1.735e+02	
## 10915	-7.951e+04		+		1.740e+03	
## 30631	-7.585e+04		+	-9.603e+00	1.214e+03	
## 22989	1.397e+04			-9.031e+01	3.599e+01	10.030
## 6345	1.433e+04			-4.243e+01		10.700
## 18338	-6.216e+04	+			1.109e+03	
## 3235	-1.052e+05		+		2.160e+03	
## 32646	-2.065e+04	+		5.455e+00		
## 19118	-5.228e+04	+		1.455e+02	1.293e+02	1.241e+03
## 5770	-7.581e+03	+		2.100e+02		
## 32649	-2.394e+04			1.811e+02		
## 2704	-5.228e+03	+	+	7.700e+01	2.258e+02	
## 10919	-8.658e+04		+	1.993e+02		1.681e+03
## 18058	-8.435e+03	+		1.829e+02		
## 18349	-5.644e+04			-1.190e+02	1.301e+02	8.919e+02
## 27276	-9.697e+03	+	+	1.974e+02		
## 18086	-6.025e+04	+		-1.980e+01		1.109e+03
## 11660	-1.405e+04	+	+	3.089e+02		
## 18062	-4.888e+03	+		-1.983e+02	1.893e+02	
## 32653	-1.777e+04			-2.040e+02	1.906e+02	
## 30922	9.841e+03	+		5.004e+00		9.942
## 22982	1.505e+04	+		-6.461e+01		10.370
## 22185	-6.027e+04			1.102e+02	1.010e+03	
## 19084	-4.056e+03	+	+	2.194e+02		
## 11178	-4.824e+04	+		1.036e+02	9.474e+02	
## 30346	-1.650e+04	+		1.622e+02		
## 21668	-7.522e+04	+	+		1.128e+03	
## 5795	-8.071e+04		+		1.654e+03	
## 7593	-8.616e+04			1.569e+02	1.405e+03	
## 16267	-1.215e+04		+	2.788e+02		
## 30377	-6.107e+04			1.034e+02	9.245e+02	
## 19119	-6.912e+04		+	1.149e+02	1.091e+02	1.374e+03
## 20365	-1.324e+04			-2.339e+02	2.186e+02	
## 6606	1.092e+04	+		-1.075e+02	2.224e+01	9.576
## 1456	-6.763e+04	+	+	4.585e+01	1.825e+02	9.807e+02
## 30925	1.266e+04			-9.426e+01	5.748e+00	10.210
## 19371	-6.598e+04		+	1.163e+02	1.327e+03	
## 5292	-6.350e+04	+	+	1.789e+02	9.725e+02	
## 9891	-8.000e+04		+		1.646e+03	
## 2956	-3.068e+03	+	+	2.356e+02		
## 15018	-4.920e+04	+		1.103e+02	9.373e+02	
## 18314	-1.406e+04	+		1.920e+02		
## 13740	-6.647e+04	+	+	1.844e+02	9.889e+02	
## 18638	2.218e+04	+		-1.365e+02	2.494e+01	10.110
## 8079	-1.018e+04		+	-4.670e+01	2.834e+02	
## 2991	-6.991e+04		+	7.004e+01	9.648e+01	1.290e+03
## 7308	-1.235e+04	+	+	3.017e+02		

##	20109	-5.971e+03		-2.823e+02	2.100e+02		
##	1698	-6.971e+04	+			1.454e+03	
##	28066	-9.095e+04	+			1.461e+03	
##	30626	-6.121e+04	+			9.864e+02	
##	16015	-9.954e+03		+ -2.985e+01	2.768e+02		
##	22726	2.244e+04	+	-1.229e+02			10.490
##	2727	-8.193e+04		+ 1.431e+02		1.677e+03	
##	3501	-8.433e+04		-6.342e+01	1.641e+02	1.400e+03	
##	11404	-1.154e+04	+	+	3.007e+02		
##	7083	-6.589e+04		+	1.045e+02	1.269e+03	
##	10157	-5.937e+04		-4.905e+01	1.411e+02	9.712e+02	
##	29872	-5.901e+04	+	+ -7.428e+01	1.135e+02	7.611e+02	
##	3216	-1.095e+04	+	+ -2.762e+01	3.042e+02		
##	9388	-6.063e+04	+	+	1.798e+02	9.430e+02	
##	14224	-1.248e+04	+	+ 6.786e+01	2.354e+02		
##	30374	-6.456e+04	+	4.470e+01		1.008e+03	
##	1959	-8.680e+04		+ 1.553e+02		1.622e+03	
##	11689	-8.793e+04			1.543e+02	1.429e+03	
##	14249	-6.121e+04			1.348e+02	9.772e+02	
##	22434	-6.333e+04	+			1.090e+03	
##	10896	-8.587e+03	+	+ 1.227e+02	2.251e+02		
##	23211	-6.304e+04		+	1.165e+02	1.322e+03	
##	6061	-5.765e+04		-7.373e+01	1.455e+02	9.583e+02	
##	22182	-6.286e+04	+	1.048e+01		1.097e+03	
##	22441	-6.197e+04			1.232e+02	9.485e+02	
##	31906	-8.973e+04	+			1.441e+03	
##	22733	2.257e+04		-1.484e+02	1.790e+01		10.490
##	13997	-5.742e+04		-6.037e+01	1.354e+02	9.711e+02	
##	26506	-1.597e+04	+		1.730e+02		
##	17804	-2.764e+04	+	+	1.980e+02		
##	23970	-9.168e+04	+			1.529e+03	
##	1200	-6.239e+04	+	+ 2.175e+01	1.785e+02	9.515e+02	
##	23714	-8.854e+04	+			1.575e+03	
##	17572	-7.290e+04	+	+		1.144e+03	
##	7564	-1.488e+04	+	+	3.102e+02		
##	20361	-1.924e+04			2.130e+02		
##	3495	-1.148e+05		+ 1.425e+02		2.173e+03	
##	19370	-4.613e+04	+		1.476e+02	1.133e+03	
##	1702	-7.081e+04	+	1.347e+02		1.364e+03	
##	3977	-1.192e+04			2.579e+02		
##	9648	-6.498e+04	+	+ 8.092e+00	1.857e+02	9.677e+02	
##	14988	-4.174e+03	+	+	2.346e+02		
##	23915	-6.764e+04		+	-1.687e+02	7.614e+02	10.950
##	23210	-4.582e+04	+		1.419e+02	1.151e+03	
##	27086	9.969e+03	+	-6.249e+01	2.831e+01		9.670
##	11683	-1.086e+05		+		2.198e+03	
##	30116	-7.942e+04	+	+		1.120e+03	
##	9895	-8.453e+04		+ 1.597e+02		1.588e+03	
##	27311	-7.216e+04		+ 1.291e+02	9.493e+01	1.329e+03	
##	18318	-1.011e+04	+	-1.661e+02	1.958e+02		
##	11183	-7.247e+04		+ 1.138e+02	9.021e+01	1.298e+03	
##	13962	-9.200e+03	+		2.189e+02		
##	5799	-8.531e+04		+ 1.529e+02		1.601e+03	
##	16009	-9.606e+03			2.493e+02		

## 14798	8.691e+03	+	-6.801e+01	2.102e+01		9.629
## 3472	-1.425e+04	+	+ -9.669e+00	3.113e+02		
## 26273	-7.171e+04				1.161e+03	
## 15023	-7.117e+04		+ 1.103e+02	8.950e+01	1.288e+03	
## 21928	-7.864e+04	+	+ -2.538e+01		1.137e+03	
## 12175	-1.266e+04		+ -1.201e+01	2.803e+02		
## 17835	-7.772e+04		+	1.230e+02	9.899e+02	
## 27562	-4.711e+04	+		1.307e+02	1.055e+03	
## 9870	-6.277e+03	+	-6.625e+01	2.265e+02		
## 10122	-9.718e+03	+		2.249e+02		
## 19885	-8.230e+04		-1.236e+02	1.407e+02	1.272e+03	
## 31178	8.042e+03	+		2.400e+01		9.722
## 22154	-1.051e+04	+		1.777e+02		
## 27814	-8.816e+04	+	-2.381e+01		1.441e+03	
## 1934	-7.018e+03	+	-8.065e+01	2.347e+02		
## 6831	-6.637e+04		+ 5.488e+01	9.272e+01	1.270e+03	
## 27299	-7.788e+04		+		1.560e+03	
## 22189	-5.300e+04		-1.492e+02	1.219e+02	9.255e+02	
## 6026	-1.038e+04	+		2.253e+02		
## 31174	1.034e+04	+	-5.083e+01			10.080
## 31402	-4.788e+04	+		1.364e+02	1.047e+03	
## 19878	-9.108e+04	+	-2.422e+00		1.537e+03	
## 19622	-8.559e+04	+	-5.670e+01		1.561e+03	
## 3725	-1.127e+03		-1.937e+02	2.598e+02		
## 29860	-7.536e+04	+	+		1.071e+03	
## 22730	1.936e+04	+		1.402e+01		10.300
## 6346	1.401e+04	+		-3.189e+01		10.190
## 2979	-7.925e+04		+		1.746e+03	
## 31181	1.033e+04		-7.376e+01	2.277e+01		9.996
## 11917	-6.536e+03		-1.151e+02	2.626e+02		
## 11148	-3.418e+03	+	+	2.343e+02		
## 15022	-5.694e+04	+	1.468e+02	8.919e+01	9.836e+02	
## 3721	-7.109e+03			2.340e+02		
## 26020	-7.725e+04	+	+		1.134e+03	
## 6350	1.916e+04	+	-1.798e+02	-3.874e+00		9.975
## 17832	-7.509e+04	+	+ -5.967e+01		1.145e+03	
## 6800	-7.098e+03	+	+ 1.056e+02	2.222e+02		
## 3239	-1.089e+05		+ 1.125e+02		2.128e+03	
## 24461	-1.118e+04		-2.476e+02	2.226e+02		
## 3241	-8.749e+04			1.169e+02	1.540e+03	
## 26541	-5.689e+04		-1.041e+02	1.190e+02	8.667e+02	
## 15275	-6.610e+04		+	1.032e+02	1.267e+03	
## 10918	-7.256e+04	+	2.560e+02		1.381e+03	
## 30350	-1.314e+04	+	-1.272e+02	1.690e+02		
## 23916	-6.793e+04	+	+	-1.782e+02	7.993e+02	11.470
## 11182	-5.480e+04	+	1.266e+02	8.627e+01	9.858e+02	
## 23977	-8.745e+04			1.349e+02	1.338e+03	
## 19107	-7.673e+04		+		1.680e+03	
## 31406	-5.794e+04	+	1.989e+02	1.161e+02	1.144e+03	
## 5774	-4.694e+03	+	-9.456e+01	2.238e+02		
## 31403	-6.528e+04		+	1.038e+02	1.273e+03	
## 27563	-6.683e+04		+	1.040e+02	1.285e+03	
## 6819	-7.719e+04		+		1.722e+03	
## 22410	-1.538e+04	+		1.869e+02		

##	23180	-5.319e+03	+	+	2.144e+02		
##	31372	-1.085e+04	+	+	1.928e+02		
##	12169	-1.215e+04			2.576e+02		
##	5798	-7.356e+04	+		1.676e+02	1.360e+03	
##	22158	-6.796e+03	+		-1.776e+02	1.847e+02	
##	18081	-7.149e+04				1.280e+03	
##	30381	-5.553e+04			-1.120e+02	1.129e+02	8.704e+02
##	24205	-3.871e+03			-2.963e+02	2.135e+02	
##	5552	-7.061e+04	+	+	7.102e+01	1.780e+02	1.006e+03
##	22990	1.360e+04	+		-7.883e+01	4.146e+01	9.708
##	17808	-2.277e+04	+	+	-1.604e+02	1.977e+02	
##	21900	-2.945e+04	+	+		1.905e+02	
##	19820	-6.535e+04	+	+		-1.668e+02	7.795e+02 11.410
##	27566	-5.613e+04	+		1.810e+02	1.144e+02	1.144e+03
##	26534	-6.031e+04	+		7.525e+00		1.006e+03
##	25764	-7.309e+04	+	+			1.085e+03
##	28073	-8.935e+04				1.289e+02	1.335e+03
##	3981	-6.434e+03			-1.451e+02	2.722e+02	
##	5794	-7.133e+04	+				1.466e+03
##	23214	-5.372e+04	+		1.615e+02	1.261e+02	1.244e+03
##	19374	-5.394e+04	+		1.583e+02	1.347e+02	1.217e+03
##	19375	-7.134e+04		+	1.173e+02	1.107e+02	1.373e+03
##	7052	-3.582e+03	+	+		2.343e+02	
##	6051	-8.306e+04		+			1.683e+03
##	26510	-1.234e+04	+		-1.427e+02	1.785e+02	
##	1954	-6.630e+04	+				1.407e+03
##	30926	1.220e+04	+		-8.146e+01	1.202e+01	9.858
##	7587	-1.092e+05		+			2.205e+03
##	7597	-8.143e+04			-7.817e+01	1.678e+02	1.369e+03
##	10147	-8.215e+04		+			1.674e+03
##	30633	-6.176e+04				1.118e+02	9.132e+02
##	13484	-6.260e+04	+	+		1.777e+02	9.665e+02
##	27280	-1.232e+04	+	+	8.609e+01	1.953e+02	
##	11427	-1.045e+05		+			2.153e+03
##	17548	-2.368e+04	+	+		1.958e+02	
##	18342	-6.182e+04	+		-8.767e+00		1.107e+03
##	8073	-1.087e+04				2.574e+02	
##	27303	-8.480e+04		+	1.721e+02		1.599e+03
##	15756	-1.432e+04	+	+		3.083e+02	
##	7331	-1.048e+05		+			2.157e+03
##	2960	-6.237e+03	+	+	8.131e+01	2.287e+02	
##	15011	-7.920e+04		+			1.738e+03
##	22445	-5.583e+04			-1.220e+02	1.313e+02	8.869e+02
##	30602	-1.735e+04	+			1.674e+02	
##	14992	-1.025e+04	+	+	1.483e+02	2.218e+02	
##	11171	-7.947e+04		+			1.740e+03
##	15274	-4.861e+04	+			1.027e+02	9.490e+02
##	32162	-9.143e+04	+				1.454e+03
##	16013	-4.416e+03			-1.364e+02	2.636e+02	
##	7821	1.050e+03			-2.163e+02	2.607e+02	
##	2983	-8.478e+04		+	1.552e+02		1.703e+03
##	19340	-5.384e+03	+	+		2.205e+02	
##	19088	-5.840e+03	+	+	6.363e+01	2.185e+02	
##	5296	-6.567e+04	+	+	4.903e+01	1.738e+02	9.794e+02

## 21672	-7.348e+04	+	+	-4.156e+01		1.118e+03	
## 13987	-8.096e+04			+		1.655e+03	
## 18059	-1.886e+04			+	1.943e+02		
## 11664	-1.250e+04	+	+	-3.893e+01	3.117e+02		
## 15785	-8.614e+04				1.560e+02	1.407e+03	
## 3245	-7.921e+04			-1.445e+02	1.427e+02	1.460e+03	
## 15015	-8.669e+04		+	2.000e+02		1.682e+03	
## 11175	-8.663e+04		+	1.993e+02		1.682e+03	
## 27532	-9.404e+03	+	+		1.957e+02		
## 23467	-6.508e+04		+		1.183e+02	1.319e+03	
## 13744	-6.805e+04	+	+	3.368e+01	1.810e+02	9.943e+02	
## 24457	-1.784e+04				2.159e+02		
## 11687	-1.131e+05		+	1.185e+02		2.170e+03	
## 22734	2.198e+04	+		-1.344e+02	2.440e+01		10.110
## 9894	-7.343e+04	+		1.772e+02		1.366e+03	
## 9890	-6.987e+04	+				1.456e+03	
## 23215	-6.832e+04		+	1.104e+02	1.106e+02	1.368e+03	
## 3234	-9.495e+04	+				1.985e+03	
## 16271	-1.079e+04		+	-3.305e+01	2.815e+02		
## 15500	-1.187e+04	+	+		3.001e+02		
## 11693	-8.340e+04			-7.760e+01	1.644e+02	1.397e+03	
## 17839	-7.151e+04		+	-1.302e+02	1.266e+02	9.431e+02	
## 6055	-8.869e+04		+	1.671e+02		1.633e+03	
## 20105	-1.129e+04				2.000e+02		
## 30630	-6.256e+04	+		3.497e+01		9.943e+02	
## 11433	-8.784e+04				1.297e+02	1.505e+03	
## 28070	-9.106e+04	+		2.500e+00		1.462e+03	
## 7312	-1.176e+04	+	+	-1.532e+01	3.030e+02		
## 14253	-5.835e+04			-5.529e+01	1.426e+02	9.610e+02	
## 7087	-6.926e+04		+	6.591e+01	9.753e+01	1.283e+03	
## 24427	-6.922e+04		+		-1.678e+02	8.399e+02	10.380
## 19111	-8.318e+04		+	1.612e+02		1.720e+03	
## 11408	-9.939e+03	+	+	-4.030e+01	3.036e+02		
## 2730	-4.591e+04	+			7.887e+01	9.919e+02	
## 17576	-6.977e+04	+	+	-7.687e+01		1.126e+03	
## 32107	-6.793e+04		+		-1.763e+02	7.307e+02	10.990
## 8077	-4.388e+03			-1.666e+02	2.738e+02		
## 6823	-8.221e+04		+	1.449e+02		1.678e+03	
## 22414	-1.151e+04	+		-1.497e+02	1.915e+02		
## 10151	-8.688e+04		+	1.622e+02		1.617e+03	
## 11174	-6.862e+04	+		2.309e+02		1.344e+03	
## 9392	-6.087e+04	+	+	5.569e+00	1.792e+02	9.437e+02	
## 16265	-1.105e+04				2.571e+02		
## 22438	-6.407e+04	+		1.877e+01		1.095e+03	
## 18315	-2.237e+04		+		1.967e+02		
## 17552	-1.851e+04	+	+	-1.753e+02	1.956e+02		
## 23981	-7.988e+04			-1.334e+02	1.452e+02	1.251e+03	
## 13991	-8.641e+04		+	1.711e+02		1.598e+03	
## 23718	-8.674e+04	+		-4.458e+01		1.555e+03	
## 7817	-6.003e+03				2.324e+02		
## 21644	-2.566e+04	+	+		1.880e+02		
## 19819	-6.392e+04		+		-1.478e+02	7.138e+02	10.590
## 26251	-2.168e+04		+		1.775e+02		
## 14218	-1.023e+04	+			2.245e+02		



## 11152	-8.306e+03	+	+	1.236e+02	2.236e+02		
## 31910	-8.919e+04	+		-1.316e+01		1.437e+03	
## 25996	-2.779e+04	+	+		1.968e+02		
## 1958	-6.995e+04	+		1.267e+02		1.358e+03	
## 13966	-7.476e+03	+		-4.917e+01	2.249e+02		
## 30369	-7.256e+04					1.164e+03	
## 23974	-9.200e+04	+		7.336e+00		1.532e+03	
## 23466	-4.644e+04	+			1.462e+02	1.131e+03	
## 10126	-7.599e+03	+		-6.127e+01	2.319e+02		
## 21904	-2.498e+04	+	+	-1.395e+02	1.912e+02		
## 6030	-7.977e+03	+		-6.567e+01	2.327e+02		
## 26277	-7.068e+04			-2.722e+01		1.154e+03	
## 26529	-7.116e+04					1.159e+03	
## 15014	-7.381e+04	+		2.736e+02		1.373e+03	
## 23919	-6.703e+04		+	-1.437e+01	-1.677e+02	7.566e+02	10.920
## 7568	-1.491e+04	+	+	6.630e-01	3.101e+02		
## 30120	-7.842e+04	+	+	-2.330e+01		1.115e+03	
## 7591	-1.147e+05		+	1.416e+02		2.172e+03	
## 31182	9.948e+03	+		-6.225e+01	2.823e+01		9.670
## 15779	-1.084e+05		+			2.196e+03	
## 15244	-3.869e+03	+	+		2.332e+02		
## 27567	-7.276e+04		+	1.286e+02	9.715e+01	1.333e+03	
## 21931	-7.852e+04		+		1.212e+02	9.971e+02	
## 6050	-6.744e+04	+				1.410e+03	
## 26027	-7.764e+04		+		1.252e+02	9.955e+02	
## 31407	-7.136e+04		+	1.247e+02	9.648e+01	1.322e+03	
## 12173	-7.980e+03			-1.091e+02	2.684e+02		
## 31658	-4.742e+04	+			1.292e+02	1.054e+03	
## 15279	-7.173e+04		+	1.092e+02	9.142e+01	1.291e+03	
## 28077	-8.262e+04			-1.213e+02	1.385e+02	1.263e+03	
## 18063	-1.447e+04		+	-1.594e+02	1.943e+02		
## 18337	-7.330e+04					1.265e+03	
## 32108	-6.822e+04	+	+		-1.859e+02	7.683e+02	11.510
## 13990	-7.592e+04	+		2.062e+02		1.362e+03	
## 7337	-8.622e+04				1.171e+02	1.527e+03	
## 29864	-7.397e+04	+	+	-3.280e+01		1.064e+03	
## 15278	-5.625e+04	+		1.441e+02	8.261e+01	9.935e+02	
## 19363	-7.866e+04		+			1.683e+03	
## 27817	-8.952e+04				1.010e+02	1.390e+03	
## 1697	-7.923e+04					1.590e+03	
## 27302	-7.468e+04	+		2.874e+02		1.477e+03	
## 26024	-7.487e+04	+	+	-5.727e+01		1.121e+03	
## 31395	-7.770e+04		+			1.559e+03	
## 31376	-1.441e+04	+	+	1.111e+02	1.894e+02		
## 27555	-7.791e+04		+			1.560e+03	
## 19625	-8.788e+04				1.062e+02	1.515e+03	
## 10914	-6.466e+04	+				1.480e+03	
## 28012	-6.566e+04	+	+		-1.747e+02	7.479e+02	11.450
## 18085	-6.896e+04			-6.709e+01		1.255e+03	
## 7075	-7.911e+04		+			1.745e+03	
## 2986	-4.782e+04	+			1.007e+02	9.567e+02	
## 25740	-2.565e+04	+	+		1.855e+02		
## 30606	-1.394e+04	+		-1.241e+02	1.733e+02		
## 10146	-6.597e+04	+				1.402e+03	

## 23184	-7.965e+03	+	+	8.894e+01	2.124e+02	
## 19629	-7.736e+04			-1.949e+02	1.239e+02	1.369e+03
## 7056	-7.928e+03	+	+	1.087e+02	2.248e+02	
## 3238	-9.746e+04	+		1.079e+02		1.937e+03
## 22177	-7.250e+04					1.282e+03
## 30637	-5.642e+04			-1.064e+02	1.200e+02	8.630e+02
## 11431	-1.085e+05		+	1.081e+02		2.126e+03
## 7335	-1.088e+05		+	1.119e+02		2.127e+03
## 32169	-8.772e+04				1.321e+02	1.323e+03
## 31662	-5.741e+04	+		1.957e+02	1.106e+02	1.148e+03
## 17579	-7.338e+04		+		1.214e+02	9.898e+02
## 2220	-5.831e+04	+	+		1.491e+02	1.109e+03
## 23920	-6.708e+04	+	+	-1.996e+01	-1.768e+02	7.927e+02 11.440
## 25768	-7.034e+04	+	+	-6.723e+01		1.070e+03
## 6054	-7.225e+04	+		1.555e+02		1.351e+03
## 24428	-6.927e+04	+	+		-1.761e+02	8.633e+02 10.890
## 11170	-6.035e+04	+				1.416e+03
## 23436	-6.504e+03	+	+		2.154e+02	
## 23203	-7.667e+04		+			1.680e+03
## 19824	-6.313e+04	+	+	-5.466e+01	-1.633e+02	7.623e+02 11.330
## 31659	-6.593e+04		+		1.061e+02	1.278e+03
## 23470	-5.512e+04	+		1.719e+02	1.313e+02	1.222e+03
## 18319	-1.801e+04		+	-1.572e+02	1.968e+02	
## 30092	-2.964e+04	+	+		1.889e+02	
## 26000	-2.277e+04	+	+	-1.604e+02	1.978e+02	
## 13986	-7.118e+04	+				1.464e+03
## 31628	-1.051e+04	+	+		1.908e+02	
## 2476	-6.200e+04	+	+		1.555e+02	1.129e+03
## 32619	-6.999e+04		+		-1.782e+02	8.067e+02 10.320
## 7341	-7.660e+04			-1.588e+02	1.456e+02	1.434e+03
## 21648	-2.086e+04	+	+	-1.533e+02	1.889e+02	
## 11437	-8.128e+04			-1.125e+02	1.457e+02	1.454e+03
## 15789	-8.062e+04			-9.110e+01	1.681e+02	1.367e+03
## 20332	-6.689e+04	+	+		-1.633e+02	8.489e+02 10.750
## 16269	-5.939e+03			-1.303e+02	2.700e+02	
## 14243	-8.309e+04		+			1.683e+03
## 10150	-7.036e+04	+		1.586e+02		1.338e+03
## 23471	-7.050e+04		+	1.126e+02	1.124e+02	1.366e+03
## 13488	-6.411e+04	+	+	3.228e+01	1.745e+02	9.716e+02
## 26255	-1.756e+04		+	-1.416e+02	1.789e+02	
## 24201	-9.946e+03				2.023e+02	
## 15270	-6.978e+04	+		2.485e+02		1.334e+03
## 15523	-1.042e+05		+			2.150e+03
## 27821	-8.055e+04			-1.615e+02	1.165e+02	1.288e+03
## 6826	-4.673e+04	+			7.968e+01	9.909e+02
## 30340	-1.713e+04	+	+			
## 27536	-1.202e+04	+	+	8.696e+01	1.935e+02	
## 28291	-3.130e+04		+			
## 19344	-7.205e+03	+	+	6.440e+01	2.195e+02	
## 26507	-2.338e+04		+		1.845e+02	
## 15529	-8.627e+04				1.309e+02	1.486e+03
## 15760	-1.319e+04	+	+	-2.811e+01	3.104e+02	
## 7330	-9.553e+04	+				1.988e+03
## 31399	-8.492e+04		+	1.729e+02		1.599e+03

##	22155	-1.862e+04		+		1.948e+02			
##	27559	-8.487e+04		+	1.721e+02			1.600e+03	
##	20331	-6.603e+04		+		-1.457e+02		8.063e+02	9.885
##	3490	-9.630e+04		+				2.002e+03	
##	32166	-9.196e+04		+	1.198e+01			1.458e+03	
##	29836	-2.766e+04		+	+	1.776e+02			
##	15267	-7.916e+04		+				1.737e+03	
##	15248	-9.923e+03		+	+	1.497e+02	2.199e+02		
##	19367	-8.531e+04			+	1.639e+02		1.724e+03	
##	25744	-2.049e+04		+	+	-1.658e+02	1.868e+02		
##	7079	-8.504e+04			+	1.569e+02		1.704e+03	
##	11426	-9.443e+04		+				1.978e+03	
##	1675	-1.268e+04			+	2.610e+02			
##	32363	-6.801e+04			+	-1.924e+02		8.175e+02	10.350
##	2722	-5.909e+04		+				1.405e+03	
##	15271	-8.674e+04			+	2.000e+02		1.682e+03	
##	26031	-7.131e+04			+	-1.324e+02	1.296e+02	9.497e+02	
##	27558	-7.080e+04		+		2.639e+02		1.446e+03	
##	28011	-6.422e+04			+	-1.557e+02		6.824e+02	10.630
##	14247	-8.874e+04			+	1.736e+02		1.627e+03	
##	21935	-7.203e+04			+	-1.281e+02	1.256e+02	9.476e+02	
##	20098	-6.620e+03		+					
##	1701	-8.057e+04				9.641e+01		1.533e+03	
##	15783	-1.131e+05			+	1.183e+02		2.170e+03	
##	15504	-1.073e+04		+	+	-2.824e+01	3.022e+02		
##	24431	-7.118e+04			+	4.696e+01	-1.717e+02	8.564e+02	10.470
##	17583	-6.626e+04			+	-1.523e+02	1.256e+02	9.350e+02	
##	2734	-4.530e+04		+		-1.265e+01	8.112e+01	9.872e+02	
##	1451	-8.042e+04			+	1.846e+02		1.184e+03	
##	19823	-6.150e+04			+	-5.979e+01	-1.442e+02	6.952e+02	10.500
##	3494	-1.021e+05		+		1.582e+02		1.959e+03	
##	23207	-8.344e+04			+	1.628e+02		1.721e+03	
##	32111	-6.738e+04			+	-1.298e+01	-1.753e+02	7.264e+02	10.960
##	22411	-2.210e+04			+	1.974e+02			
##	19110	-7.124e+04		+		2.506e+02		1.636e+03	
##	14222	-8.575e+03		+		-4.594e+01	2.298e+02		
##	14246	-7.264e+04		+		1.868e+02		1.331e+03	
##	14242	-6.709e+04		+				1.405e+03	
##	19873	-1.037e+05						1.714e+03	
##	31398	-7.594e+04		+		3.052e+02		1.470e+03	
##	32173	-8.019e+04				-1.311e+02	1.430e+02	1.242e+03	
##	30625	-7.198e+04						1.161e+03	
##	30347	-2.152e+04		+		1.780e+02			
##	30373	-7.166e+04				-2.235e+01		1.158e+03	
##	26533	-6.983e+04				-3.226e+01		1.149e+03	
##	32620	-7.002e+04		+	+		-1.861e+02	8.304e+02	10.820
##	17827	-9.096e+04			+			1.337e+03	
##	26244	-1.407e+04		+	+				
##	30096	-2.504e+04		+	+	-1.391e+02	1.908e+02		
##	22433	-7.417e+04						1.267e+03	
##	18341	-7.128e+04				-4.822e+01		1.249e+03	
##	6316	-5.959e+04		+	+	1.469e+02		1.123e+03	
##	1953	-7.761e+04						1.568e+03	
##	31851	-6.427e+04		+		-1.962e+02		7.135e+02	11.340

## 31913	-8.818e+04			1.033e+02	1.380e+03	
## 30123	-7.843e+04		+	1.234e+02	1.003e+03	
## 25771	-7.418e+04		+	1.139e+02	9.702e+02	
## 7334	-9.861e+04	+		1.204e+02	1.936e+03	
## 24171	-6.557e+04		+	-1.777e+02	8.895e+02	10.490
## 9889	-7.984e+04				1.598e+03	
## 28524	-6.768e+04	+	+	-1.737e+02	8.153e+02	10.680
## 23721	-8.666e+04			1.083e+02	1.508e+03	
## 23725	-7.517e+04			-2.043e+02	1.276e+02	1.352e+03
## 22159	-1.384e+04		+	-1.637e+02	1.956e+02	
## 7082	-4.831e+04	+		9.958e+01	9.586e+02	
## 5793	-7.934e+04				1.591e+03	
## 15010	-6.504e+04	+			1.480e+03	
## 9643	-7.934e+04		+	1.841e+02	1.175e+03	
## 23659	-6.251e+04		+	-1.820e+02	7.886e+02	11.340
## 31663	-7.195e+04		+	1.240e+02	9.877e+01	1.326e+03
## 27298	-6.390e+04	+			1.408e+03	
## 22181	-7.003e+04			-6.166e+01	1.259e+03	
## 24194	-8.665e+03	+				
## 32112	-6.743e+04	+	+	-1.857e+01	-1.846e+02	7.623e+02 11.480
## 10921	-6.293e+04				9.830e+01	1.172e+03
## 26511	-1.919e+04		+	-1.462e+02	1.862e+02	
## 28016	-6.350e+04	+	+	-5.314e+01	-1.713e+02	7.314e+02 11.370
## 28523	-6.688e+04		+		-1.569e+02	7.719e+02 9.825
## 6572	-6.302e+04	+	+		1.533e+02	1.141e+03
## 23459	-7.858e+04		+			1.682e+03
## 29840	-2.295e+04	+	+	-1.432e+02	1.797e+02	
## 15533	-7.866e+04			-1.254e+02	1.489e+02	1.426e+03
## 15266	-6.069e+04	+				1.414e+03
## 11430	-9.861e+04	+		1.234e+02		1.940e+03
## 2990	-4.929e+04	+		2.852e+01	9.669e+01	9.656e+02
## 31632	-1.407e+04	+	+	1.125e+02	1.871e+02	
## 31651	-7.773e+04		+			1.560e+03
## 23440	-9.162e+03	+	+	8.916e+01	2.135e+02	
## 27809	-1.016e+05					1.636e+03
## 21675	-7.417e+04		+		1.196e+02	9.969e+02
## 10412	-5.904e+04	+	+		1.503e+02	1.113e+03
## 2726	-6.106e+04	+		1.077e+02		1.345e+03
## 18604	-5.827e+04	+	+		1.424e+02	1.084e+03
## 2224	-6.009e+04	+	+	3.900e+01	1.452e+02	1.116e+03
## 15527	-1.084e+05		+	1.076e+02		2.126e+03
## 27554	-5.998e+04	+				1.375e+03
## 18860	-6.212e+04	+	+		1.443e+02	1.086e+03
## 24432	-7.082e+04	+	+	3.731e+01	-1.790e+02	8.761e+02 10.950
## 22415	-1.735e+04		+	-1.618e+02	1.981e+02	
## 32364	-6.798e+04	+	+		-1.999e+02	8.392e+02 10.790
## 19106	-6.211e+04	+				1.553e+03
## 2480	-6.485e+04	+	+	5.991e+01	1.497e+02	1.140e+03
## 1931	-1.438e+04		+		2.678e+02	
## 31917	-7.833e+04			-1.709e+02	1.203e+02	1.270e+03
## 28295	-2.811e+04		+	-1.094e+02		
## 31852	-6.450e+04	+	+		-2.057e+02	7.494e+02 11.850
## 32623	-7.220e+04		+	5.271e+01	-1.827e+02	8.248e+02 10.420
## 9893	-8.329e+04			1.418e+02		1.535e+03

## 31654	-7.198e+04	+	2.818e+02		1.437e+03	
## 10668	-6.179e+04	+	+	1.552e+02	1.128e+03	
## 11682	-9.590e+04	+			1.997e+03	
## 1195	-7.636e+04		+	1.771e+02	1.165e+03	
## 19854	-1.958e+04	+	-2.377e+02	2.391e+02		
## 19617	-1.005e+05				1.789e+03	
## 6818	-5.997e+04	+			1.408e+03	
## 20336	-6.658e+04	+	+	-7.685e+00 -1.628e+02	8.464e+02	10.730
## 23660	-6.272e+04	+	+	-1.911e+02	8.246e+02	11.840
## 28267	-6.484e+04		+	-1.710e+02	7.825e+02	9.848
## 30351	-1.703e+04		+	-1.452e+02 1.800e+02		
## 23206	-7.269e+04	+		2.709e+02	1.624e+03	
## 28268	-6.550e+04	+	+	-1.875e+02	8.238e+02	10.650
## 5771	-1.186e+04		+	2.599e+02		
## 7586	-9.666e+04	+			2.003e+03	
## 22148	-1.173e+04	+	+			
## 28065	-1.035e+05				1.644e+03	
## 15522	-9.490e+04	+			1.979e+03	
## 20102	-5.173e+03	+		-8.370e+01		
## 6830	-4.726e+04	+		1.065e+01 7.781e+01	9.949e+02	
## 27756	-6.171e+04	+	+	-1.945e+02	7.274e+02	11.800
## 30596	-1.704e+04	+	+			
## 30344	-1.713e+04	+	+	7.616e-02		
## 30603	-2.317e+04		+	1.851e+02		
## 28547	-3.091e+04		+			
## 27305	-6.177e+04			1.241e+02	1.282e+03	
## 32387	-3.098e+04		+			
## 20354	-8.821e+03	+				
## 20335	-6.577e+04		+	-6.593e+00 -1.453e+02	8.041e+02	9.874
## 25775	-6.732e+04		+	-1.447e+02 1.189e+02	9.206e+02	
## 9867	-1.285e+04		+	2.612e+02		
## 28015	-6.186e+04		+	-5.829e+01 -1.520e+02	6.646e+02	10.540
## 5797	-8.137e+04			1.012e+02	1.538e+03	
## 1679	-1.216e+04		+	-1.431e+01 2.623e+02		
## 31655	-8.499e+04		+	1.729e+02	1.600e+03	
## 2978	-5.962e+04	+			1.413e+03	
## 1957	-8.084e+04			9.907e+01	1.535e+03	
## 32367	-6.996e+04		+	4.669e+01 -1.964e+02	8.336e+02	10.440
## 19113	-5.970e+04			1.302e+02	1.407e+03	
## 23463	-8.555e+04		+	1.654e+02	1.724e+03	
## 7590	-1.030e+05	+		1.680e+02	1.957e+03	
## 23883	-3.644e+04		+	-1.230e+02		12.120
## 24172	-6.553e+04	+	+	-1.852e+02	9.111e+02	10.930
## 30127	-7.179e+04		+	-1.305e+02 1.286e+02	9.538e+02	
## 19564	-5.982e+04	+	+	-1.792e+02	8.041e+02	11.790
## 17831	-8.658e+04		+	-9.796e+01	1.310e+03	
## 5547	-7.928e+04		+	1.853e+02	1.169e+03	
## 21923	-9.269e+04		+		1.344e+03	
## 10145	-7.729e+04				1.563e+03	
## 21679	-6.667e+04		+	-1.507e+02 1.248e+02	9.386e+02	
## 1455	-8.114e+04		+	1.617e+01 1.830e+02	1.186e+03	
## 19855	-2.940e+04		+	-2.363e+02 2.295e+02		
## 11686	-1.016e+05	+		1.502e+02	1.959e+03	
## 23969	-1.031e+05				1.712e+03	

## 19877	-1.018e+05			-3.954e+01		1.697e+03
## 19850	-2.589e+04	+			2.337e+02	
## 19366	-7.143e+04	+			2.520e+02	1.635e+03
## 26019	-9.060e+04		+			1.310e+03
## 30629	-7.080e+04				-2.746e+01	1.153e+03
## 6822	-6.268e+04	+			1.303e+02	1.337e+03
## 26248	-1.278e+04	+	+		-4.656e+01	
## 22437	-7.227e+04				-4.331e+01	1.252e+03
## 20075	-6.222e+04		+		-1.552e+02	8.561e+02 9.978
## 20076	-6.291e+04	+	+		-1.719e+02	8.973e+02 10.780
## 6320	-6.264e+04	+	+		6.363e+01 1.403e+02	1.136e+03
## 19851	-3.658e+04		+		2.296e+02	
## 22700	-5.964e+04	+	+		1.371e+02	1.087e+03
## 26500	-1.404e+04	+	+			
## 6049	-7.784e+04					1.570e+03
## 15017	-6.150e+04				9.940e+01	1.157e+03
## 32624	-7.183e+04	+	+		4.312e+01 -1.896e+02	8.448e+02 10.890
## 10925	-6.746e+04				8.280e+01 8.624e+01	1.203e+03
## 27755	-6.034e+04		+		-1.755e+02	6.632e+02 10.990
## 14508	-6.013e+04	+	+		1.479e+02	1.126e+03
## 13985	-7.984e+04					1.598e+03
## 31855	-6.278e+04		+		-3.569e+01 -1.935e+02	7.018e+02 11.280
## 31394	-6.424e+04	+				1.401e+03
## 29867	-7.501e+04		+		1.121e+02	9.777e+02
## 15526	-9.960e+04	+			1.339e+02	1.939e+03
## 17571	-8.652e+04		+			1.333e+03
## 7086	-5.074e+04	+			4.611e+01 9.302e+01	9.733e+02
## 22956	-6.330e+04	+	+		1.392e+02	1.090e+03
## 24198	-7.547e+03	+			-5.716e+01	
## 24450	-1.031e+04	+				
## 23663	-6.064e+04		+		-4.543e+01 -1.786e+02	7.731e+02 11.260
## 24175	-6.691e+04		+		3.246e+01 -1.804e+02	9.011e+02 10.550
## 13739	-7.857e+04		+		1.847e+02	1.165e+03
## 23907	-6.687e+04		+			5.341e+02 9.190
## 6576	-6.711e+04	+	+		8.230e+01 1.450e+02	1.158e+03
## 9647	-7.828e+04		+		-2.300e+01 1.863e+02	1.171e+03
## 18052	-8.250e+03	+	+			
## 27813	-9.850e+04				-7.074e+01	1.607e+03
## 19811	-6.412e+04		+			5.193e+02 9.083
## 2982	-6.451e+04	+			1.393e+02	1.368e+03
## 28528	-6.762e+04	+	+		-1.565e+00 -1.736e+02	8.148e+02 10.670
## 28046	-2.296e+04	+			-2.212e+02 2.256e+02	
## 11177	-6.275e+04				9.521e+01	1.178e+03
## 19563	-5.847e+04		+		-1.605e+02	7.396e+02 10.980
## 32075	-3.915e+04		+		-1.396e+02	12.110
## 19787	-3.487e+04		+		-1.071e+02	11.740
## 26253	-1.412e+04				-2.263e+02 1.798e+02	
## 26796	-5.965e+04	+	+		1.359e+02	1.058e+03
## 30607	-1.859e+04		+		-1.504e+02 1.875e+02	
## 10890	-3.970e+03	+			2.128e+02	
## 19621	-9.593e+04				-1.054e+02	1.734e+03
## 6027	-1.357e+04		+		2.669e+02	
## 31905	-1.010e+05					1.633e+03
## 31650	-6.027e+04	+				1.365e+03

## 23202	-6.256e+04	+				1.542e+03	
## 14764	-6.278e+04	+	+		1.529e+02	1.140e+03	
## 19788	-3.389e+04	+	+		-1.190e+02		12.470
## 28527	-6.687e+04		+	-2.123e-01	-1.569e+02	7.718e+02	9.825
## 10416	-6.166e+04	+	+	5.359e+01	1.451e+02	1.123e+03	
## 27309	-6.871e+04			1.315e+02	1.107e+02	1.355e+03	
## 10149	-8.133e+04			1.284e+02		1.518e+03	
## 19362	-6.106e+04	+				1.560e+03	
## 28042	-2.959e+04	+			2.173e+02		
## 18608	-5.960e+04	+	+	2.871e+01	1.412e+02	1.095e+03	
## 22404	-1.367e+04	+	+				
## 26249	-1.993e+04				1.693e+02		
## 18864	-6.408e+04	+	+	4.156e+01	1.425e+02	1.102e+03	
## 23884	-3.551e+04	+	+		-1.283e+02		12.540
## 27790	-1.984e+04	+		-2.589e+02	2.065e+02		
## 10123	-1.440e+04		+		2.683e+02		
## 13989	-8.396e+04			1.455e+02		1.539e+03	
## 32368	-6.956e+04	+	+	3.789e+01	-2.031e+02	8.519e+02	10.860
## 19812	-6.514e+04	+	+			5.478e+02	9.522
## 9387	-7.573e+04		+		1.764e+02	1.161e+03	
## 1935	-1.424e+04		+	-3.783e+00	2.681e+02		
## 27052	-6.221e+04	+	+		1.435e+02	1.083e+03	
## 15778	-9.628e+04	+				1.997e+03	
## 31856	-6.278e+04	+	+	-4.134e+01	-2.026e+02	7.361e+02	11.780
## 25763	-8.651e+04		+			1.263e+03	
## 10672	-6.457e+04	+	+	5.646e+01	1.498e+02	1.139e+03	
## 31401	-6.004e+04				1.269e+02	1.270e+03	
## 5291	-7.539e+04		+		1.778e+02	1.153e+03	
## 32391	-2.753e+04		+	-1.136e+02			
## 28551	-2.778e+04		+	-1.086e+02			
## 1199	-7.579e+04		+	-1.328e+01	1.785e+02	1.163e+03	
## 23713	-1.000e+05					1.788e+03	
## 23664	-6.061e+04	+	+	-5.109e+01	-1.873e+02	8.075e+02	11.750
## 3233	-1.065e+05					2.144e+03	
## 19369	-6.069e+04				1.388e+02	1.362e+03	
## 27760	-5.863e+04	+	+	-7.751e+01	-1.891e+02	7.037e+02	11.670
## 23950	-1.982e+04	+		-2.354e+02	2.384e+02		
## 7074	-6.004e+04	+				1.409e+03	
## 13963	-1.204e+04		+		2.601e+02		
## 5775	-1.067e+04		+	-3.118e+01	2.627e+02		
## 3436	-6.478e+04	+	+		-1.118e+02	1.024e+03	12.100
## 23209	-5.808e+04				1.328e+02	1.399e+03	
## 20358	-7.114e+03	+		-7.140e+01			
## 32161	-1.029e+05					1.641e+03	
## 19117	-6.425e+04			8.894e+01	1.216e+02	1.466e+03	
## 28271	-6.457e+04		+	-6.675e+00	-1.706e+02	7.803e+02	9.837
## 28069	-1.019e+05			-3.527e+01		1.629e+03	
## 22152	-1.103e+04	+	+	-2.473e+01			
## 23462	-7.264e+04	+		2.706e+02		1.624e+03	
## 23887	-3.385e+04		+	-9.039e+01	-1.183e+02		11.920
## 27780	-3.281e+04	+	+				
## 28272	-6.517e+04	+	+	-8.243e+00	-1.869e+02	8.211e+02	10.640
## 19568	-5.635e+04	+	+	-8.806e+01	-1.734e+02	7.758e+02	11.640
## 27979	-3.754e+04		+		-1.234e+02		11.720

## 18317	-1.348e+04			-2.435e+02	2.071e+02		
## 30600	-1.705e+04	+	+	3.655e-01			
## 23951	-2.773e+04			+ -2.462e+02	2.326e+02		
## 10917	-8.320e+04			2.023e+02		1.576e+03	
## 31876	-3.467e+04	+	+				
## 27561	-6.166e+04				1.219e+02	1.285e+03	
## 3948	-6.689e+04	+	+		-1.155e+02	1.082e+03	11.110
## 21927	-8.853e+04			+ -8.914e+01		1.318e+03	
## 18061	-6.633e+03			-2.911e+02	1.990e+02		
## 27980	-3.664e+04	+	+		-1.361e+02		12.470
## 6053	-8.158e+04			1.033e+02		1.539e+03	
## 29871	-6.781e+04			+ -1.427e+02	1.179e+02	9.248e+02	
## 9871	-1.257e+04			+ -7.392e+00	2.619e+02		
## 32643	-3.059e+04			+			
## 1164	-1.647e+04	+	+		2.990e+02		
## 28047	-3.165e+04			+ -2.293e+02	2.193e+02		
## 15782	-1.025e+05	+		1.596e+02		1.957e+03	
## 20323	-6.698e+04			+		6.382e+02	8.191
## 26023	-8.635e+04			+ -9.552e+01		1.285e+03	
## 30115	-9.232e+04			+		1.318e+03	
## 8043	-6.869e+04			+	-1.091e+02	1.089e+03	10.600
## 17575	-8.127e+04			+ -1.201e+02		1.299e+03	
## 24176	-6.651e+04	+	+	2.365e+01	-1.870e+02	9.193e+02	10.970
## 32076	-3.826e+04	+	+		-1.454e+02		12.540
## 28043	-3.899e+04			+	2.175e+02		
## 14241	-7.741e+04					1.564e+03	
## 8047	-7.758e+04			+ 2.103e+02	-1.387e+02	1.111e+03	10.950
## 5551	-7.972e+04			+ 8.724e+00	1.845e+02	1.171e+03	
## 24419	-6.935e+04			+		6.440e+02	8.363
## 10913	-7.606e+04					1.642e+03	
## 23908	-6.703e+04	+	+			5.507e+02	9.469
## 1420	-1.900e+04	+	+		3.072e+02		
## 7078	-6.572e+04	+		1.579e+02		1.358e+03	
## 23946	-2.637e+04	+			2.320e+02		
## 19815	-5.922e+04			+ -1.207e+02		4.916e+02	8.980
## 23973	-1.010e+05			-4.278e+01		1.694e+03	
## 19791	-3.142e+04			+ -1.239e+02	-1.017e+02		11.490
## 19599	-2.345e+04			+ -2.546e+02	2.283e+02		
## 18308	-1.043e+04	+	+				
## 3466	-1.597e+04	+			3.010e+02		
## 17834	-6.521e+04	+			1.612e+02	7.753e+02	
## 21667	-8.822e+04			+		1.339e+03	
## 23947	-3.550e+04			+	2.320e+02		
## 30892	-6.096e+04	+	+		1.308e+02	1.063e+03	
## 27759	-5.707e+04			+ -8.230e+01	-1.700e+02	6.383e+02	10.860
## 15021	-6.560e+04			7.141e+01	8.885e+01	1.185e+03	
## 23911	-6.284e+04			+ -9.580e+01		5.113e+02	9.102
## 19792	-3.042e+04	+	+	+ -1.247e+02	-1.136e+02		12.220
## 7532	-6.668e+04	+	+		-1.177e+02	1.051e+03	12.180
## 8044	-6.879e+04	+	+		-1.231e+02	1.106e+03	11.240
## 19779	-4.123e+04			+			10.320
## 14512	-6.400e+04	+	+	7.622e+01	1.403e+02	1.142e+03	
## 26509	-1.588e+04			-2.169e+02	1.880e+02		
## 19567	-5.483e+04			+ -9.270e+01	-1.546e+02	7.103e+02	10.830



## 26504	-1.277e+04	+	+	-4.653e+01			
## 20079	-6.134e+04			+	-2.229e+01	-1.536e+02	8.485e+02 9.941
## 18313	-1.977e+04					2.025e+02	
## 7787	-6.597e+04		+			-1.236e+02	1.098e+03 10.650
## 9612	-1.832e+04	+	+			3.055e+02	
## 1450	-6.619e+04	+				2.017e+02	8.920e+02
## 20080	-6.197e+04	+	+	-2.378e+01	-1.702e+02		8.892e+02 10.750
## 22704	-6.202e+04	+	+	4.995e+01	1.345e+02		1.107e+03
## 18056	-6.306e+03	+	+	-7.411e+01			
## 15273	-6.138e+04					9.683e+01	1.162e+03
## 27786	-2.720e+04	+				1.928e+02	
## 11181	-6.723e+04			8.124e+01	8.395e+01		1.207e+03
## 27791	-2.940e+04		+	-2.362e+02	2.080e+02		
## 23875	-4.322e+04		+				10.450
## 32079	-3.672e+04		+	-8.280e+01	-1.348e+02		11.930
## 26505	-2.183e+04					1.802e+02	
## 30349	-1.286e+04			-2.344e+02	1.821e+02		
## 24395	-3.545e+04		+		-1.259e+02		12.150
## 24454	-9.102e+03	+		-4.755e+01			
## 19816	-6.016e+04	+	+	-1.228e+02			5.198e+02 9.420
## 22960	-6.629e+04	+	+	6.140e+01	1.361e+02		1.114e+03
## 1929	-1.431e+04					2.491e+02	
## 31909	-9.765e+04			-7.413e+01			1.603e+03
## 13743	-7.710e+04		+	-2.900e+01	1.875e+02		1.159e+03
## 17838	-5.612e+04	+		-1.796e+02	1.708e+02		6.882e+02
## 3947	-6.591e+04		+		-9.268e+01		1.047e+03 10.150
## 32099	-6.687e+04		+				5.339e+02 9.189
## 28003	-6.415e+04		+				5.147e+02 9.079
## 14986	-4.298e+03	+				2.127e+02	
## 10894	-5.816e+03	+		5.086e+01	2.073e+02		
## 8048	-7.691e+04	+	+	1.926e+02	-1.487e+02		1.125e+03 11.500
## 19598	-8.606e+03	+		-3.297e+02	2.286e+02		
## 31405	-6.664e+04			1.197e+02	1.142e+02		1.339e+03
## 23717	-9.518e+04			-1.085e+02			1.731e+03
## 31148	-6.338e+04	+	+		1.385e+02		1.087e+03
## 25767	-8.175e+04		+	-1.090e+02			1.235e+03
## 3952	-7.275e+04	+	+	1.468e+02	-1.337e+02		1.092e+03 11.290
## 31819	-3.627e+04		+		-1.596e+02		12.430
## 14768	-6.676e+04	+	+	7.810e+01	1.452e+02		1.157e+03
## 3692	-6.368e+04	+	+		-1.293e+02		1.088e+03 11.090
## 27787	-3.691e+04		+			2.059e+02	
## 32142	-2.324e+04	+		-2.186e+02	2.248e+02		
## 11146	-3.533e+03	+				2.106e+02	
## 23458	-6.137e+04	+					1.550e+03
## 23888	-3.269e+04	+	+	-9.735e+01	-1.234e+02		12.350
## 1673	-9.639e+03					2.252e+02	
## 19595	-3.092e+04		+			2.284e+02	
## 27274	-4.602e+03	+				2.091e+02	
## 3489	-1.086e+05						2.172e+03
## 9865	-1.208e+04					2.373e+02	
## 26800	-6.127e+04	+	+	3.450e+01	1.343e+02		1.071e+03
## 1677	-4.528e+03			-1.803e+02	2.515e+02		
## 6031	-1.273e+04		+	-2.127e+01	2.687e+02		
## 14219	-1.359e+04		+			2.673e+02	

## 11628	-6.450e+04	+	+	-1.101e+02	1.028e+03	11.960
## 28289	-2.880e+04					
## 20324	-6.762e+04	+	+		6.528e+02	8.620
## 29859	-8.815e+04		+		1.270e+03	
## 19373	-6.643e+04			1.089e+02 1.297e+02	1.426e+03	
## 7531	-6.618e+04		+	-9.944e+01	1.018e+03	11.500
## 27784	-2.891e+04	+	+	-1.305e+02		
## 14245	-8.201e+04			1.322e+02	1.522e+03	
## 3440	-6.910e+04	+	+	1.053e+02 -1.236e+02	1.034e+03	12.200
## 30345	-1.936e+04			1.704e+02		
## 23465	-5.900e+04			1.423e+02	1.350e+03	
## 7791	-7.324e+04		+	1.783e+02 -1.499e+02	1.117e+03	10.960
## 32138	-3.007e+04	+		2.156e+02		
## 27565	-6.863e+04			1.308e+02 1.098e+02	1.356e+03	
## 28036	-3.399e+04	+	+			
## 32587	-3.839e+04		+	-1.427e+02		11.960
## 3237	-1.082e+05			6.264e+01	2.121e+03	
## 11169	-7.329e+04				1.601e+03	
## 27983	-3.421e+04		+	-1.168e+02 -1.177e+02		11.490
## 3470	-1.078e+04	+		-1.414e+02 3.140e+02		
## 7788	-6.589e+04	+	+	-1.369e+02	1.114e+03	11.230
## 22408	-1.296e+04	+	+	-2.538e+01		
## 13483	-7.490e+04		+	1.770e+02	1.150e+03	
## 9391	-7.446e+04		+	-2.779e+01 1.791e+02	1.157e+03	
## 31886	-2.035e+04	+		-2.540e+02 2.053e+02		
## 27984	-3.329e+04	+	+	-1.173e+02 -1.305e+02		12.230
## 7329	-1.053e+05				2.134e+03	
## 10127	-1.401e+04		+	-1.035e+01 2.693e+02		
## 28004	-6.515e+04	+	+		5.461e+02	9.520
## 19780	-4.102e+04	+	+			10.750
## 32132	-3.580e+04	+	+			
## 5295	-7.439e+04		+	-2.058e+01 1.799e+02	1.148e+03	
## 11173	-8.058e+04			1.832e+02	1.553e+03	
## 27056	-6.420e+04	+	+	4.205e+01 1.415e+02	1.099e+03	
## 19783	-3.647e+04		+	-1.564e+02		10.100
## 23213	-6.224e+04			7.748e+01 1.250e+02	1.450e+03	
## 3691	-6.295e+04		+	-1.071e+02	1.054e+03	10.190
## 31657	-5.998e+04			1.254e+02	1.272e+03	
## 3428	-6.475e+04	+	+		7.924e+02	10.520
## 22413	-1.208e+04			-2.523e+02 2.100e+02		
## 11425	-1.065e+05				2.144e+03	
## 31880	-3.149e+04	+	+	-1.021e+02		
## 9356	-1.568e+04	+	+	2.967e+02		
## 3939	-6.663e+04		+		8.698e+02	8.866
## 7536	-7.276e+04	+	+	1.402e+02 -1.345e+02	1.068e+03	12.320
## 32647	-2.720e+04		+	-1.128e+02		
## 22157	-5.296e+03			-2.995e+02 2.014e+02		
## 13967	-1.110e+04		+	-2.392e+01 2.622e+02		
## 20299	-3.378e+04		+	-1.073e+02		11.630
## 32143	-2.995e+04		+	-2.393e+02 2.225e+02		
## 2729	-6.052e+04			6.370e+01	1.243e+03	
## 32165	-1.010e+05			-3.866e+01	1.625e+03	
## 27301	-8.508e+04			2.294e+02	1.661e+03	
## 3951	-7.218e+04	+	+	1.564e+02 -1.126e+02	1.058e+03	10.360

##	15724	-6.648e+04	+	+	-1.162e+02	1.056e+03	12.030
##	2985	-6.229e+04			9.234e+01	1.186e+03	
##	30119	-8.828e+04		+	-8.684e+01	1.294e+03	
##	1933	-9.527e+03			-1.325e+02	2.631e+02	
##	23912	-6.272e+04	+	+	-1.027e+02	5.270e+02	9.388
##	15013	-8.240e+04			1.978e+02	1.572e+03	
##	5260	-1.692e+04	+	+	2.996e+02		
##	20327	-6.376e+04		+	-7.979e+01	6.180e+02	8.126
##	8035	-6.893e+04		+		8.784e+02	9.042
##	12140	-6.664e+04	+	+	-1.149e+02	1.080e+03	11.110
##	21671	-8.312e+04		+	-1.118e+02	1.307e+03	
##	3435	-6.300e+04		+	-8.423e+01	9.657e+02	11.170
##	32080	-3.559e+04	+	+	-8.980e+01	-1.404e+02	12.360
##	28515	-6.739e+04		+		6.174e+02	8.108
##	23695	-2.178e+04		+	-2.645e+02	2.314e+02	
##	24420	-6.938e+04	+	+		6.521e+02	8.601
##	23879	-3.897e+04		+	-1.347e+02		10.250
##	18057	-1.229e+04			1.905e+02		
##	32331	-3.589e+04		+	-1.570e+02		12.010
##	1168	-1.641e+04	+	+	-1.744e+00	2.992e+02	
##	3940	-6.747e+04	+	+		8.638e+02	9.338
##	21930	-6.638e+04	+		1.576e+02	7.782e+02	
##	7535	-7.309e+04		+	1.588e+02	-1.194e+02	1.040e+03
##	32139	-3.790e+04		+	2.200e+02		11.700
##	15009	-7.502e+04				1.634e+03	
##	16235	-6.839e+04		+	-1.086e+02	1.086e+03	10.610
##	27723	-3.452e+04		+	-1.434e+02		12.040
##	3493	-1.137e+05			1.270e+02	2.143e+03	
##	28491	-3.680e+04		+	-1.247e+02		11.450
##	2721	-7.041e+04				1.566e+03	
##	3180	-6.020e+04	+	+	-1.290e+02	1.015e+03	12.330
##	18312	-8.482e+03	+	+	-7.404e+01		
##	5516	-1.931e+04	+	+	3.075e+02		
##	26026	-6.523e+04	+		1.566e+02	7.593e+02	
##	27297	-7.556e+04				1.591e+03	
##	32611	-6.964e+04		+		6.272e+02	8.293
##	24423	-6.715e+04		+	-5.276e+01	6.304e+02	8.315
##	20300	-3.309e+04	+	+	-1.200e+02		12.410
##	27724	-3.361e+04	+	+	-1.561e+02		12.770
##	9869	-7.759e+03			-1.273e+02	2.523e+02	
##	3427	-6.330e+04		+		7.912e+02	10.080
##	7792	-7.248e+04	+	+	1.613e+02	-1.593e+02	1.130e+03
##	15723	-6.597e+04		+	-9.851e+01	1.025e+03	11.360
##	1424	-1.968e+04	+	+	1.822e+01	3.057e+02	
##	27971	-4.296e+04		+			10.200
##	31820	-3.539e+04	+	+	-1.654e+02		12.850
##	16239	-7.730e+04		+	2.060e+02	-1.379e+02	1.110e+03
##	1454	-6.262e+04	+		-7.326e+01	2.112e+02	8.727e+02
##	32100	-6.702e+04	+	+		5.517e+02	9.470
##	24396	-3.478e+04	+	+	-1.312e+02		12.560
##	7523	-6.597e+04		+		8.084e+02	10.190
##	28007	-5.926e+04		+	-1.209e+02	4.859e+02	8.974
##	23876	-4.276e+04	+	+			10.700
##		cylnr drnmb drvwh engnl engnt fltyp			syml	whlbs df	logLik

## 4067	+	+	+	+	+		23	-1883.730
## 3811	+		+	+	+		22	-1885.147
## 3812	+		+	+	+		23	-1884.141
## 3819	+		+	+	+		23	-1884.221
## 4068	+	+	+	+	+		24	-1882.996
## 4075	+	+	+	+	+		24	-1883.011
## 7908	+		+	+	+	+	24	-1883.260
## 12003	+		+	+	+	1.747e+02	23	-1884.692
## 8163	+	+	+	+	+	+	24	-1883.409
## 7907	+		+	+	+	+	23	-1884.806
## 8164	+	+	+	+	+	+	25	-1882.224
## 4071	+	+	+	+	+		24	-1883.584
## 7915	+		+	+	+	+	24	-1883.642
## 3820	+		+	+	+		24	-1883.655
## 20451	+	+	+	+	+		22.24000	24 -1883.687
## 12259	+	+	+	+	+	4.604e+01	24	-1883.704
## 12004	+		+	+	+	1.633e+02	24	-1883.740
## 8171	+	+	+	+	+	+	25	-1882.485
## 12011	+		+	+	+	1.660e+02	24	-1883.807
## 3815	+		+	+	+		23	-1885.092
## 20195	+		+	+	+		-7.11400	23 -1885.143
## 3555	+	+		+	+		21	-1887.669
## 4079	+	+	+	+	+		25	-1882.566
## 4076	+	+	+	+	+		25	-1882.600
## 3823	+		+	+	+		24	-1883.907
## 7916	+		+	+	+	+	25	-1882.646
## 3816	+		+	+	+		24	-1883.976
## 20459	+	+	+	+	+		61.00000	25 -1882.721
## 4072	+	+	+	+	+		25	-1882.728
## 20203	+		+	+	+		33.44000	24 -1884.131
## 20196	+		+	+	+		9.06200	24 -1884.133
## 20452	+	+	+	+	+		34.33000	25 -1882.893
## 7912	+		+	+	+	+	25	-1882.902
## 16100	+		+	+	+	1.432e+02	25	-1882.952
## 12260	+	+	+	+	+	5.011e+01	25	-1882.965
## 12267	+	+	+	+	+	4.905e+01	25	-1882.982
## 8172	+	+	+	+	+	+	26	-1881.715
## 8168	+	+	+	+	+	+	26	-1881.742
## 16099	+		+	+	+	1.650e+02	24	-1884.400
## 7919	+		+	+	+	+	25	-1883.118
## 8175	+	+	+	+	+	+	26	-1881.807
## 3563	+	+		+	+		22	-1887.030
## 7920	+		+	+	+	+	26	-1881.883
## 8167	+	+	+	+	+	+	25	-1883.198
## 12007	+		+	+	+	2.043e+02	24	-1884.510
## 24292	+		+	+	+	+	19.19000	25 -1883.227
## 12015	+		+	+	+	2.186e+02	25	-1883.235
## 3824	+		+	+	+		25	-1883.268
## 12012	+		+	+	+	1.591e+02	25	-1883.273
## 28395	+		+	+	+	2.746e+02	93.28000	25 -1883.283
## 16107	+		+	+	+	1.518e+02	25	-1883.295
## 28387	+		+	+	+	2.167e+02	35.11000	24 -1884.605
## 24547	+	+	+	+	+	+	25.04000	25 -1883.354
## 24548	+	+	+	+	+	+	43.10000	26 -1882.063

## 12008	+		+	+	+	2.033e+02	25	-1883.394	
## 16355	+	+	+	+	+	+ 3.503e+01	25	-1883.394	
## 4080	+	+	+	+	+		26	-1882.090	
## 24555	+	+	+	+	+	71.27000	26	-1882.092	
## 7911	+		+	+	+		24	-1884.707	
## 19939	+	+		+	+	66.37000	22	-1887.274	
## 8176	+	+	+	+	+		27	-1880.817	
## 24299	+		+	+	+	44.15000	25	-1883.487	
## 19947	+	+		+	+	109.20000	23	-1886.083	
## 3556	+	+		+	+		22	-1887.354	
## 24291	+		+	+	+	-4.16500	24	-1884.804	
## 12263	+	+	+	+	+	7.568e+01	25	-1883.519	
## 16356	+	+	+	+	+	+ 3.348e+01	26	-1882.211	
## 7651	+	+		+	+		22	-1887.379	
## 20204	+		+	+	+	37.75000	25	-1883.540	
## 28388	+		+	+	+	2.265e+02	53.61000	25	-1883.541
## 20455	+	+	+	+	+	4.10200	25	-1883.583	
## 20460	+	+	+	+	+	63.15000	26	-1882.289	
## 28643	+	+	+	+	+	8.938e+01	36.73000	25	-1883.609
## 16108	+		+	+	+	+ 1.370e+02	26	-1882.362	
## 11747	+	+		+	+	-1.059e+02	22	-1887.529	
## 16104	+		+	+	+	+ 1.924e+02	26	-1882.376	
## 24300	+		+	+	+		54.15000	26	-1882.412
## 3299	+			+	+		20	-1890.097	
## 20199	+		+	+	+	-24.57000	24	-1885.049	
## 12271	+	+	+	+	+	1.026e+02	26	-1882.446	
## 16363	+	+	+	+	+	+ 3.519e+01	26	-1882.470	
## 3559	+	+		+	+		22	-1887.634	
## 20463	+	+	+	+	+	36.28000	26	-1882.480	
## 16111	+		+	+	+	+ 2.122e+02	26	-1882.481	
## 28651	+	+	+	+	+	1.565e+02	90.12000	26	-1882.489
## 12268	+	+	+	+	+	5.154e+01	26	-1882.568	
## 24556	+	+	+	+	+		77.86000	27	-1881.245
## 20207	+		+	+	+	9.07400	25	-1883.902	
## 16112	+		+	+	+	+ 2.047e+02	27	-1881.283	
## 12016	+		+	+	+	2.151e+02	26	-1882.613	
## 12264	+	+	+	+	+	9.044e+01	26	-1882.634	
## 20200	+		+	+	+	-13.85000	25	-1883.963	
## 32491	+		+	+	+	+ 2.700e+02	102.70000	26	-1882.662
## 7659	+	+		+	+		23	-1886.576	
## 32484	+		+	+	+	+ 2.144e+02	61.01000	26	-1882.692
## 28396	+		+	+	+	2.717e+02	96.89000	26	-1882.706
## 20456	+	+	+	+	+	11.39000	26	-1882.719	
## 3307	+			+	+		21	-1889.186	
## 28644	+	+	+	+	+	1.130e+02	53.04000	26	-1882.768
## 24043	+	+		+	+		119.80000	24	-1885.446
## 16103	+		+	+	+	+ 1.984e+02	25	-1884.157	
## 24296	+		+	+	+	-12.17000	26	-1882.891	
## 7652	+	+		+	+		23	-1886.796	
## 19940	+	+		+	+	77.01000	23	-1886.833	
## 32492	+		+	+	+	+ 2.642e+02	111.30000	27	-1881.614
## 3567	+	+		+	+		23	-1886.848	
## 28399	+		+	+	+	2.853e+02	68.03000	26	-1882.988
## 16360	+	+	+	+	+	+ 8.357e+01	27	-1881.661	

## 32483	+		+	+	+	2.082e+02	36.22000	25	-1884.308
## 11755	+	+		+	+	-1.024e+02		23	-1886.897
## 3564	+	+		+	+			23	-1886.907
## 16367	+	+	+	+	+	9.723e+01		27	-1881.698
## 24559	+	+	+	+	+		40.68000	27	-1881.699
## 16364	+	+	+	+	+	3.386e+01		27	-1881.701
## 24035	+	+		+	+		69.69000	23	-1886.944
## 24552	+	+	+	+	+		12.04000	27	-1881.732
## 24303	+		+	+	+		13.78000	26	-1883.106
## 16359	+	+	+	+	+	6.844e+01		26	-1883.145
## 3300	+			+	+			21	-1889.578
## 28391	+		+	+	+	2.203e+02	16.80000	25	-1884.494
## 24304	+		+	+	+		18.38000	27	-1881.860
## 24551	+	+	+	+	+		2.85100	26	-1883.198
## 32747	+	+	+	+	+	1.524e+02	99.54000	27	-1881.871
## 20208	+		+	+	+		11.01000	26	-1883.260
## 12272	+	+	+	+	+	1.092e+02		27	-1881.953
## 32740	+	+	+	+	+	1.043e+02	60.27000	27	-1881.956
## 32739	+	+	+	+	+	7.962e+01	37.88000	26	-1883.292
## 19948	+	+		+	+		111.80000	24	-1885.917
## 11748	+	+		+	+	-1.094e+02		23	-1887.204
## 15843	+	+		+	+	-1.157e+02		23	-1887.211
## 20464	+	+	+	+	+		36.37000	27	-1882.004
## 28392	+		+	+	+	2.318e+02	29.98000	26	-1883.341
## 24295	+		+	+	+		-25.75000	25	-1884.660
## 16368	+	+	+	+	+	1.050e+02		28	-1880.689
## 7395	+			+	+			21	-1889.778
## 28652	+	+	+	+	+	1.632e+02	93.57000	27	-1882.036
## 24560	+	+	+	+	+		42.34000	28	-1880.698
## 28131	+	+		+	+	-3.054e+01	61.09000	23	-1887.265
## 19943	+	+		+	+		70.50000	23	-1887.267
## 3560	+	+		+	+			23	-1887.284
## 7655	+	+		+	+			23	-1887.316
## 28139	+	+		+	+	4.525e+01	118.20000	24	-1886.063
## 19951	+	+		+	+		105.60000	24	-1886.076
## 28647	+	+	+	+	+	9.314e+01	18.62000	26	-1883.498
## 7403	+			+	+			22	-1888.665
## 19691	+			+	+		79.78000	22	-1888.679
## 32495	+		+	+	+	2.829e+02	72.18000	27	-1882.200
## 24036	+	+		+	+		86.51000	24	-1886.142
## 28655	+	+	+	+	+	1.683e+02	65.80000	27	-1882.212
## 3779	+		+	+	+			21	-1889.972
## 19683	+			+	+		33.19000	21	-1889.997
## 11491	+			+	+	7.408e+01		21	-1890.017
## 11751	+	+		+	+	-9.931e+01		23	-1887.516
## 32496	+		+	+	+	2.789e+02	75.92000	28	-1880.969
## 32488	+		+	+	+	2.204e+02	29.44000	27	-1882.325
## 7660	+	+		+	+			24	-1886.264
## 7663	+	+		+	+			24	-1886.275
## 32748	+	+	+	+	+	1.607e+02	107.80000	28	-1880.997
## 3303	+			+	+			21	-1890.096
## 28400	+		+	+	+	2.832e+02	69.51000	27	-1882.353
## 24044	+	+		+	+		126.80000	25	-1885.004
## 7396	+			+	+			22	-1888.902

## 15851	+	+		+	+	+ -1.142e+02		24 -1886.411
## 3308	+			+	+			22 -1888.971
## 4035	+	+	+	+	+			22 -1889.020
## 28648	+	+	+	+	+	1.191e+02	30.21000	27 -1882.581
## 3311	+			+	+			22 -1889.117
## 11499	+			+	+	6.688e+01		22 -1889.120
## 15844	+	+		+	+	+ -1.252e+02		24 -1886.599
## 7656	+	+		+	+	+		24 -1886.640
## 3780	+		+	+	+			22 -1889.221
## 3568	+	+		+	+			24 -1886.706
## 24047	+	+		+	+	+	111.70000	25 -1885.408
## 32751	+	+	+	+	+	+ 1.670e+02	69.94000	28 -1881.433
## 20419	+	+	+	+	+		103.00000	23 -1888.000
## 32235	+	+		+	+	+ 4.488e+01	128.70000	25 -1885.427
## 23787	+			+	+	+	91.07000	23 -1888.010
## 32487	+		+	+	+	+ 2.119e+02	14.10000	26 -1884.146
## 11756	+	+		+	+	-1.052e+02		24 -1886.768
## 11759	+	+		+	+	-8.026e+01		24 -1886.770
## 19684	+			+	+		47.15000	22 -1889.381
## 28132	+	+		+	+	-1.919e+01	73.64000	24 -1886.829
## 19944	+	+		+	+		78.53000	24 -1886.832
## 27883	+			+	+	2.215e+02	128.90000	23 -1888.145
## 20163	+		+	+	+		73.61000	22 -1889.425
## 32744	+	+	+	+	+	+ 1.117e+02	29.68000	28 -1881.609
## 7404	+			+	+	+		23 -1888.192
## 32227	+	+		+	+	+ -3.814e+01	63.13000	24 -1886.930
## 24039	+	+		+	+	+	70.96000	24 -1886.943
## 11492	+			+	+	6.233e+01		22 -1889.521
## 3809	+		+	+	+			18 -1894.481
## 28656	+	+	+	+	+	1.764e+02	67.32000	28 -1881.708
## 7875	+		+	+	+	+		22 -1889.566
## 3304	+			+	+			22 -1889.571
## 32752	+	+	+	+	+	+ 1.786e+02	73.69000	29 -1880.392
## 7876	+		+	+	+	+		23 -1888.317
## 28355	+		+	+	+	3.121e+02	127.60000	23 -1888.322
## 32743	+	+	+	+	+	+ 8.337e+01	15.87000	27 -1883.130
## 11971	+		+	+	+	1.558e+02		22 -1889.626
## 23779	+			+	+	+	36.73000	22 -1889.656
## 19692	+			+	+		83.77000	23 -1888.413
## 20164	+		+	+	+		89.73000	23 -1888.422
## 3810	+		+	+	+			19 -1893.418
## 15587	+			+	+	+ 6.475e+01		22 -1889.717
## 11752	+	+		+	+	-9.839e+01		24 -1887.167
## 15847	+	+		+	+	+ -1.059e+02		24 -1887.181
## 7664	+	+		+	+	+		25 -1885.884
## 4036	+	+	+	+	+			23 -1888.469
## 27875	+			+	+	1.512e+02	63.01000	22 -1889.743
## 28140	+	+		+	+	4.537e+01	120.80000	25 -1885.897
## 19952	+	+		+	+		107.40000	25 -1885.906
## 20420	+	+	+	+	+		115.00000	24 -1887.210
## 7399	+			+	+	+		22 -1889.776
## 7407	+			+	+	+		23 -1888.510
## 28356	+		+	+	+	3.215e+02	145.90000	24 -1887.241
## 3783	+		+	+	+			22 -1889.801

## 28135	+	+		+	+	-3.082e+01	65.22000	24	-1887.258
## 3817	+		+	+	+			19	-1893.596
## 23780	+			+	+	+	57.95000	23	-1888.606
## 15595	+			+	+	+ 5.391e+01		23	-1888.622
## 19907	+	+		+	+		149.20000	21	-1891.149
## 24260	+		+	+	+	+	98.88000	24	-1887.345
## 8131	+	+	+	+	+	+		23	-1888.630
## 28143	+	+		+	+	4.657e+01	114.60000	25	-1886.055
## 15852	+	+		+	+	+ -1.217e+02		25	-1886.077
## 12001	+		+	+	+	2.030e+02		19	-1893.672
## 19695	+			+	+		79.72000	23	-1888.679
## 23788	+			+	+	+	100.50000	24	-1887.399
## 19687	+			+	+		42.16000	22	-1889.965
## 3787	+		+	+	+			22	-1889.972
## 32228	+	+		+	+	+ -2.592e+01	81.98000	25	-1886.135
## 24040	+	+		+	+	+	82.75000	25	-1886.135
## 4039	+	+	+	+	+			23	-1888.727
## 11495	+			+	+	7.697e+01		22	-1890.015
## 31979	+			+	+	+ 2.194e+02	139.70000	24	-1887.483
## 15855	+	+		+	+	+ -8.575e+01		25	-1886.186
## 24516	+	+	+	+	+	+	122.80000	25	-1886.215
## 24048	+	+		+	+	+	116.50000	26	-1884.940
## 32452	+		+	+	+	+ 3.062e+02	151.80000	25	-1886.266
## 24515	+	+	+	+	+	+	105.00000	24	-1887.565
## 7400	+			+	+	+		23	-1888.849
## 15588	+			+	+	+ 4.365e+01		23	-1888.874
## 28611	+	+	+	+	+	2.044e+02	131.70000	24	-1887.595
## 32236	+	+		+	+	+ 4.500e+01	135.80000	26	-1884.985
## 3312	+			+	+			23	-1888.883
## 3784	+		+	+	+			23	-1888.900
## 11500	+			+	+	6.009e+01		23	-1888.918
## 11972	+		+	+	+	1.453e+02		23	-1888.919
## 8132	+	+	+	+	+	+		24	-1887.654
## 24259	+		+	+	+	+	75.83000	23	-1888.983
## 12227	+	+	+	+	+	4.982e+01		23	-1888.992
## 4043	+	+	+	+	+			23	-1889.003
## 11503	+			+	+	8.831e+01		23	-1889.008
## 12002	+		+	+	+	1.802e+02		20	-1892.782
## 7880	+		+	+	+	+		24	-1887.734
## 4065	+	+	+	+	+			19	-1894.026
## 15848	+	+		+	+	+ -1.078e+02		25	-1886.499
## 27876	+			+	+	1.563e+02	78.18000	23	-1889.108
## 3788	+		+	+	+			23	-1889.148
## 20193	+		+	+	+		-53.22000	19	-1894.156
## 20427	+	+	+	+	+		120.40000	24	-1887.877
## 27884	+			+	+	2.176e+02	131.90000	24	-1887.897
## 11760	+	+		+	+	-8.189e+01		25	-1886.625
## 3818	+		+	+	+			20	-1893.004
## 28363	+		+	+	+	3.499e+02	165.30000	24	-1887.954
## 32451	+		+	+	+	+ 3.014e+02	127.70000	24	-1887.954
## 7408	+			+	+	+		24	-1887.960
## 16067	+		+	+	+	+ 1.449e+02		23	-1889.267
## 20423	+	+	+	+	+		98.44000	24	-1887.992
## 32239	+	+		+	+	+ 4.781e+01	121.00000	26	-1885.386



## 11975	+		+	+	+	1.979e+02		23	-1889.280
## 23791	+			+	+	+	86.20000	24	-1887.997
## 7906	+		+	+	+	+		20	-1893.049
## 20171	+		+	+	+		92.52000	23	-1889.285
## 28612	+	+	+	+	+	2.280e+02	147.80000	25	-1886.706
## 4040	+	+	+	+	+			24	-1888.029
## 7879	+		+	+	+	+		23	-1889.317
## 3813	+		+	+	+			19	-1894.313
## 19688	+			+	+		52.67000	23	-1889.368
## 16068	+		+	+	+	1.244e+02		24	-1888.095
## 19908	+	+		+	+		159.90000	22	-1890.658
## 7905	+		+	+	+	+		19	-1894.401
## 28136	+	+		+	+	-1.934e+01	75.18000	25	-1886.828
## 12009	+		+	+	+	1.521e+02		20	-1893.183
## 4066	+	+	+	+	+			20	-1893.185
## 20167	+		+	+	+		69.79000	23	-1889.420
## 31971	+			+	+	1.441e+02	65.02000	23	-1889.425
## 27887	+			+	+	2.223e+02	127.10000	24	-1888.143
## 15596	+			+	+	3.983e+01		24	-1888.168
## 31980	+			+	+	2.126e+02	147.40000	25	-1886.901
## 20194	+		+	+	+		-37.94000	20	-1893.256
## 11496	+			+	+	7.117e+01		23	-1889.501
## 32231	+	+		+	+	-3.819e+01	64.42000	25	-1886.929
## 24003	+	+		+	+	+	152.20000	22	-1890.783
## 8136	+	+	+	+	+	+		25	-1886.936
## 8135	+	+	+	+	+	+		24	-1888.238
## 7883	+		+	+	+	+		23	-1889.555
## 7884	+		+	+	+	+		24	-1888.280
## 28359	+		+	+	+	3.142e+02	121.00000	24	-1888.305
## 3814	+		+	+	+			20	-1893.388
## 11979	+		+	+	+	1.562e+02		23	-1889.626
## 4044	+	+	+	+	+			24	-1888.343
## 3523	+	+		+	+			20	-1893.406
## 23783	+			+	+	+	42.66000	23	-1889.642
## 31972	+			+	+	1.467e+02	86.84000	24	-1888.364
## 32708	+	+	+	+	+	2.158e+02	153.60000	26	-1885.759
## 11976	+		+	+	+	1.969e+02		24	-1888.380
## 20168	+		+	+	+		80.58000	24	-1888.391
## 15856	+	+		+	+	-8.996e+01		26	-1885.785
## 20172	+		+	+	+		95.80000	24	-1888.406
## 7913	+		+	+	+	+		20	-1893.460
## 28364	+		+	+	+	3.437e+02	167.20000	25	-1887.112
## 19696	+			+	+		82.66000	24	-1888.413
## 15599	+			+	+	8.192e+01		24	-1888.416
## 15591	+			+	+	7.120e+01		23	-1889.706
## 27879	+			+	+	1.497e+02	70.92000	23	-1889.717
## 12228	+	+	+	+	+	5.349e+01		24	-1888.436
## 19915	+	+		+	+		169.50000	22	-1890.993
## 4073	+	+	+	+	+			20	-1893.504
## 19911	+	+		+	+		164.50000	22	-1891.025
## 20424	+	+	+	+	+		105.80000	25	-1887.178
## 28099	+	+		+	+	1.091e+02	164.80000	22	-1891.029
## 28360	+		+	+	+	3.257e+02	134.10000	25	-1887.183
## 20428	+	+	+	+	+		121.30000	25	-1887.192

## 28144	+	+		+	+		4.695e+01	116.50000	26	-1885.885
## 3791	+		+	+	+				23	-1889.783
## 32707	+	+	+	+	+	+	1.921e+02	131.90000	25	-1887.207
## 24264	+		+	+	+	+		80.72000	25	-1887.217
## 20201	+		+	+	+			-10.56000	20	-1893.587
## 3821	+		+	+	+				20	-1893.593
## 16072	+		+	+	+	+	1.852e+02		25	-1887.269
## 24268	+		+	+	+	+		112.30000	25	-1887.271
## 16097	+		+	+	+	+	1.987e+02		20	-1893.633
## 12257	+	+	+	+	+		1.780e+02		20	-1893.654
## 23784	+			+	+	+		57.58000	24	-1888.606
## 24004	+	+		+	+	+		169.00000	23	-1889.892
## 16323	+	+	+	+	+	+	3.732e+01		24	-1888.614
## 19651	+			+	+			115.60000	20	-1893.667
## 24523	+	+	+	+	+	+		130.50000	25	-1887.318
## 28385	+		+	+	+		1.995e+02	-2.38500	20	-1893.672
## 12005	+		+	+	+		2.040e+02		20	-1893.672
## 8139	+	+	+	+	+	+			24	-1888.629
## 28619	+	+	+	+	+		2.440e+02	163.40000	25	-1887.332
## 32460	+		+	+	+	+	3.357e+02	181.50000	26	-1886.024
## 12231	+	+	+	+	+		9.173e+01		24	-1888.636
## 23792	+			+	+	+		92.81000	25	-1887.365
## 24520	+	+	+	+	+	+		104.90000	26	-1886.091
## 32459	+		+	+	+	+	3.458e+02	174.70000	25	-1887.404
## 32456	+		+	+	+	+	3.122e+02	132.00000	26	-1886.096
## 24267	+		+	+	+	+		103.10000	24	-1888.711
## 16098	+		+	+	+	+	1.649e+02		21	-1892.525
## 4047	+	+	+	+	+				24	-1888.726
## 32232	+	+		+	+	+	-2.562e+01	78.32000	26	-1886.129
## 24524	+	+	+	+	+	+		136.10000	26	-1886.141
## 31983	+			+	+	+	2.223e+02	133.60000	25	-1887.458
## 3267	+			+	+				19	-1895.056
## 12010	+		+	+	+		1.507e+02		21	-1892.596
## 11504	+			+	+		8.293e+01		24	-1888.787
## 15592	+			+	+	+	5.967e+01		24	-1888.800
## 7914	+		+	+	+	+			21	-1892.638
## 16071	+		+	+	+	+	1.911e+02		24	-1888.830
## 24519	+	+	+	+	+	+		96.04000	25	-1887.535
## 11980	+		+	+	+		1.479e+02		24	-1888.835
## 32240	+	+		+	+	+	4.879e+01	126.00000	27	-1884.917
## 8140	+	+	+	+	+	+			25	-1887.579
## 28615	+	+	+	+	+		2.065e+02	125.60000	25	-1887.581
## 20449	+	+	+	+	+			-31.28000	20	-1893.936
## 3792	+		+	+	+				24	-1888.886
## 8161	+	+	+	+	+	+			20	-1893.972
## 12006	+		+	+	+		2.050e+02		21	-1892.735
## 16324	+	+	+	+	+	+	3.590e+01		25	-1887.640
## 4069	+	+	+	+	+				20	-1894.006
## 24263	+		+	+	+	+		67.47000	24	-1888.959
## 28386	+		+	+	+		1.988e+02	12.70000	21	-1892.770
## 12258	+	+	+	+	+		1.849e+02		21	-1892.781
## 12235	+	+	+	+	+		4.931e+01		24	-1888.976
## 7888	+		+	+	+	+			25	-1887.732
## 24289	+		+	+	+	+		-51.45000	20	-1894.099

## 8162	+	+	+	+	+	+			21	-1892.890
## 27843	+			+	+		2.610e+02	159.30000	21	-1892.904
## 20197	+		+	+	+			-46.88000	20	-1894.148
## 27880	+			+	+		1.554e+02	82.69000	24	-1889.099
## 4074	+	+	+	+	+				21	-1892.941
## 24290	+		+	+	+	+		-30.73000	21	-1892.944
## 20431	+	+	+	+	+			114.20000	25	-1887.860
## 3822	+		+	+	+				21	-1892.987
## 15600	+			+	+	+	7.144e+01		25	-1887.888
## 20202	+		+	+	+			-10.37000	21	-1892.995
## 27888	+			+	+		2.188e+02	129.20000	25	-1887.892
## 19652	+			+	+			129.50000	21	-1893.001
## 28367	+		+	+	+		3.554e+02	156.10000	25	-1887.907
## 12232	+	+	+	+	+		1.056e+02		25	-1887.907
## 7909	+		+	+	+	+			20	-1894.259
## 32455	+		+	+	+	+	3.043e+02	117.30000	25	-1887.912
## 28620	+	+	+	+	+		2.496e+02	165.40000	26	-1886.618
## 28100	+	+		+	+		1.198e+02	177.30000	23	-1890.513
## 7887	+		+	+	+	+			24	-1889.231
## 24011	+	+		+	+	+		179.70000	23	-1890.517
## 7910	+		+	+	+	+			21	-1893.047
## 11983	+		+	+	+		1.996e+02		24	-1889.254
## 16075	+		+	+	+	+	1.438e+02		24	-1889.262
## 28616	+	+	+	+	+		2.325e+02	136.90000	26	-1886.656
## 12013	+		+	+	+		1.836e+02		21	-1893.077
## 20175	+		+	+	+			86.85000	24	-1889.271
## 28393	+		+	+	+		2.034e+02	42.02000	21	-1893.080
## 19912	+	+		+	+			172.40000	23	-1890.570
## 16105	+		+	+	+	+	1.431e+02		21	-1893.099
## 4048	+	+	+	+	+				25	-1887.997
## 19916	+	+		+	+			171.80000	23	-1890.599
## 7619	+	+		+	+	+			21	-1893.133
## 20450	+	+	+	+	+			-22.61000	21	-1893.138
## 16076	+		+	+	+	+	1.267e+02		25	-1888.051
## 12265	+	+	+	+	+		1.672e+02		21	-1893.175
## 4070	+	+	+	+	+				21	-1893.185
## 3524	+	+		+	+				21	-1893.198
## 32715	+	+	+	+	+	+	2.405e+02	172.80000	26	-1886.785
## 32195	+	+		+	+	+	1.008e+02	166.60000	23	-1890.680
## 31975	+			+	+	+	1.432e+02	70.16000	24	-1889.414
## 24007	+	+		+	+	+		164.70000	23	-1890.698
## 16328	+	+	+	+	+	+	9.799e+01		26	-1886.831
## 20198	+		+	+	+			-42.53000	21	-1893.251
## 16327	+	+	+	+	+	+	8.318e+01		25	-1888.162
## 31984	+			+	+	+	2.166e+02	138.80000	26	-1886.850
## 3531	+	+		+	+				21	-1893.287
## 23747	+			+	+	+		118.80000	21	-1893.290
## 28107	+	+		+	+		1.536e+02	198.20000	23	-1890.773
## 8143	+	+	+	+	+	+			25	-1888.200
## 11715	+	+		+	+		-8.956e+01		21	-1893.311
## 32716	+	+	+	+	+	+	2.466e+02	179.50000	27	-1885.575
## 3527	+	+		+	+				21	-1893.326
## 32712	+	+	+	+	+	+	2.230e+02	134.70000	27	-1885.605
## 8144	+	+	+	+	+	+			26	-1886.936

## 8169	+	+	+	+	+	+		21	-1893.392	
## 23748	+			+	+	+	139.80000	22	-1892.153	
## 12236	+	+	+	+	+		5.253e+01	25	-1888.312	
## 19919	+	+		+	+		181.50000	23	-1890.895	
## 28103	+	+		+	+		1.048e+02	23	-1890.915	
## 7917	+		+	+	+	+		21	-1893.442	
## 28368	+		+	+	+		3.507e+02	26	-1887.031	
## 19659	+			+	+		140.10000	21	-1893.452	
## 24297	+		+	+	+	+	-4.73200	21	-1893.458	
## 3268	+			+	+			20	-1894.703	
## 27844	+			+	+		2.650e+02	22	-1892.210	
## 31976	+			+	+	+	1.469e+02	25	-1888.364	
## 20176	+		+	+	+		86.81000	25	-1888.370	
## 11984	+		+	+	+		1.959e+02	25	-1888.372	
## 19655	+			+	+		135.00000	21	-1893.479	
## 4077	+	+	+	+	+			21	-1893.483	
## 20457	+	+	+	+	+		-0.90890	21	-1893.504	
## 7363	+			+	+	+		20	-1894.759	
## 32464	+		+	+	+	+	3.471e+02	27	-1885.787	
## 24272	+		+	+	+	+	94.52000	26	-1887.114	
## 20432	+	+	+	+	+		112.20000	26	-1887.155	
## 20205	+		+	+	+		-16.63000	21	-1893.574	
## 32196	+	+		+	+	+	1.112e+02	24	-1889.767	
## 16106	+		+	+	+	+	1.336e+02	22	-1892.322	
## 24012	+	+		+	+	+	186.70000	24	-1889.769	
## 32711	+	+	+	+	+	+	1.951e+02	26	-1887.168	
## 16353	+	+	+	+	+	+	1.746e+02	21	-1893.616	
## 16101	+		+	+	+	+	2.020e+02	21	-1893.632	
## 32481	+		+	+	+	+	1.960e+02	-1.78300	21	-1893.633
## 12261	+	+	+	+	+		1.809e+02	21	-1893.653	
## 28641	+	+	+	+	+		1.768e+02	-0.92170	21	-1893.654
## 24008	+	+		+	+	+	176.20000	24	-1889.861	
## 28389	+		+	+	+		2.004e+02	-3.45900	21	-1893.672
## 24527	+	+	+	+	+	+	119.10000	26	-1887.255	
## 27851	+			+	+		3.105e+02	205.10000	22	-1892.428
## 16080	+		+	+	+	+	1.859e+02		26	-1887.265
## 16102	+		+	+	+	+	1.992e+02		22	-1892.430
## 12014	+		+	+	+		1.898e+02		22	-1892.432
## 32463	+		+	+	+	+	3.541e+02	161.10000	26	-1887.291
## 28623	+	+	+	+	+		2.496e+02	155.20000	26	-1887.293
## 16331	+	+	+	+	+	+	3.731e+01		25	-1888.613
## 24528	+	+	+	+	+	+		118.60000	27	-1885.989
## 12239	+	+	+	+	+		9.344e+01		25	-1888.632
## 28394	+		+	+	+		2.017e+02	41.77000	22	-1892.494
## 11459	+			+	+		6.264e+01		20	-1895.001
## 24271	+		+	+	+	+		92.07000	25	-1888.653
## 32482	+		+	+	+	+	1.894e+02	16.97000	22	-1892.504
## 16354	+	+	+	+	+	+	1.769e+02		22	-1892.520
## 3275	+			+	+				20	-1895.031
## 3271	+			+	+				20	-1895.046
## 7918	+		+	+	+	+			22	-1892.558
## 31939	+			+	+	+	2.531e+02	161.00000	22	-1892.572
## 12266	+	+	+	+	+		1.766e+02		22	-1892.573
## 16079	+		+	+	+	+	1.939e+02		25	-1888.729

## 8170	+	+	+	+	+	+			22	-1892.612
## 24545	+	+	+	+	+	+		-30.17000	21	-1893.889
## 24298	+		+	+	+	+		-0.27560	22	-1892.638
## 20453	+	+	+	+	+			-31.74000	21	-1893.936
## 31940	+			+	+	+	2.537e+02	182.10000	23	-1891.423
## 8165	+	+	+	+	+	+			21	-1893.959
## 7620	+	+		+	+	+			22	-1892.715
## 16332	+	+	+	+	+	+	3.565e+01		26	-1887.564
## 28390	+		+	+	+		2.077e+02	2.57500	22	-1892.735
## 12262	+	+	+	+	+		2.039e+02		22	-1892.735
## 27847	+			+	+		2.544e+02	175.50000	22	-1892.756
## 28642	+	+	+	+	+		2.019e+02	12.55000	22	-1892.770
## 24293	+		+	+	+	+		-46.78000	21	-1894.094
## 32203	+	+		+	+	+	1.546e+02	208.60000	24	-1890.292
## 24546	+	+	+	+	+	+		-18.06000	22	-1892.860
## 19656	+			+	+			145.40000	22	-1892.868
## 7364	+			+	+	+			21	-1894.125
## 8166	+	+	+	+	+	+			22	-1892.877
## 4078	+	+	+	+	+				22	-1892.899
## 24294	+		+	+	+	+		-41.35000	22	-1892.917
## 19660	+			+	+			143.70000	22	-1892.921
## 28108	+	+		+	+		1.505e+02	199.80000	24	-1890.387
## 20458	+	+	+	+	+			-2.55600	22	-1892.940
## 23755	+			+	+	+		151.00000	22	-1892.946
## 16109	+		+	+	+	+	1.782e+02		22	-1892.956
## 20206	+		+	+	+			-20.90000	22	-1892.957
## 3532	+	+		+	+				22	-1892.960
## 32489	+		+	+	+	+	1.981e+02	45.83000	22	-1892.978
## 28104	+	+		+	+		1.158e+02	188.50000	24	-1890.435
## 7623	+	+		+	+	+			22	-1893.014
## 15811	+	+		+	+	+	-9.930e+01		22	-1893.017
## 24015	+	+		+	+	+		188.10000	24	-1890.464
## 28397	+		+	+	+		2.155e+02	32.01000	22	-1893.023
## 28624	+	+	+	+	+		2.573e+02	154.40000	27	-1886.549
## 12240	+	+	+	+	+		1.019e+02		26	-1887.884
## 7627	+	+		+	+	+			22	-1893.058
## 28649	+	+	+	+	+		2.224e+02	42.76000	22	-1893.069
## 12269	+	+	+	+	+		1.949e+02		22	-1893.072
## 19920	+	+		+	+			182.30000	24	-1890.523
## 3528	+	+		+	+				22	-1893.077
## 16361	+	+	+	+	+	+	1.614e+02		22	-1893.087
## 11716	+	+		+	+		-9.239e+01		22	-1893.096
## 20454	+	+	+	+	+			-30.72000	22	-1893.119
## 23751	+			+	+	+		135.30000	22	-1893.153
## 32199	+	+		+	+	+	9.755e+01	178.10000	24	-1890.603
## 32719	+	+	+	+	+	+	2.494e+02	160.10000	27	-1886.686
## 11723	+	+		+	+		-9.209e+01		22	-1893.186
## 31947	+			+	+	+	3.100e+02	215.80000	23	-1891.921
## 32720	+	+	+	+	+	+	2.599e+02	161.20000	28	-1885.363
## 27852	+			+	+		3.020e+02	206.70000	23	-1891.949
## 28111	+	+		+	+		1.470e+02	207.70000	24	-1890.694
## 3535	+	+		+	+				22	-1893.248
## 11719	+	+		+	+		-7.616e+01		22	-1893.260
## 23756	+			+	+	+		160.40000	23	-1891.995

## 16335	+	+	+	+	+	+	8.868e+01		26	-1888.115
## 19663	+			+	+			155.50000	22	-1893.302
## 16110	+		+	+	+	+	1.815e+02		23	-1892.050
## 16336	+	+	+	+	+	+	9.799e+01		27	-1886.831
## 3276	+			+	+				21	-1894.587
## 8173	+	+	+	+	+	+			22	-1893.350
## 23752	+			+	+	+		149.90000	23	-1892.096
## 27848	+			+	+		2.594e+02	186.90000	23	-1892.111
## 24553	+	+	+	+	+	+		3.50800	22	-1893.392
## 32204	+	+		+	+	+	1.506e+02	214.80000	25	-1889.555
## 11460	+			+	+		5.257e+01		21	-1894.664
## 3272	+			+	+				21	-1894.665
## 24301	+		+	+	+	+		-13.55000	22	-1893.429
## 32490	+		+	+	+	+	1.918e+02	48.59000	23	-1892.185
## 15555	+			+	+	+	5.336e+01		21	-1894.720
## 7367	+			+	+	+			21	-1894.732
## 20461	+	+	+	+	+			-8.82700	22	-1893.478
## 7371	+			+	+	+			21	-1894.752
## 16362	+	+	+	+	+	+	1.675e+02		23	-1892.281
## 32200	+	+		+	+	+	1.091e+02	191.30000	25	-1889.740
## 31948	+			+	+	+	2.977e+02	222.20000	24	-1891.042
## 24016	+	+		+	+	+		191.80000	25	-1889.749
## 27855	+			+	+		3.026e+02	215.50000	23	-1892.335
## 16357	+	+	+	+	+	+	1.791e+02		22	-1893.613
## 32737	+	+	+	+	+	+	1.741e+02	-0.37310	22	-1893.616
## 32485	+		+	+	+	+	1.978e+02	-3.93100	22	-1893.631
## 28645	+	+	+	+	+		1.776e+02	-3.16700	22	-1893.652
## 28398	+		+	+	+		2.180e+02	28.24000	23	-1892.390
## 12270	+	+	+	+	+		2.114e+02		23	-1892.415
## 16358	+	+	+	+	+	+	2.032e+02		23	-1892.429
## 32486	+		+	+	+	+	2.018e+02	2.41000	23	-1892.429
## 3777	+		+	+	+				17	-1899.847
## 11467	+			+	+		6.418e+01		21	-1894.974
## 11463	+			+	+		7.322e+01		21	-1894.975
## 31943	+			+	+	+	2.479e+02	174.70000	23	-1892.464
## 28650	+	+	+	+	+		2.321e+02	42.95000	23	-1892.465
## 7624	+	+		+	+	+			23	-1892.492
## 32738	+	+	+	+	+	+	1.991e+02	16.52000	23	-1892.501
## 3279	+			+	+				21	-1895.028
## 8174	+	+	+	+	+	+			23	-1892.503
## 7628	+	+		+	+	+			23	-1892.516
## 24302	+		+	+	+	+		-16.54000	23	-1892.539
## 15812	+	+		+	+	+	-1.074e+02		23	-1892.578
## 3778	+		+	+	+				18	-1898.819
## 24554	+	+	+	+	+	+		4.95800	23	-1892.610
## 24549	+	+	+	+	+	+		-31.85000	22	-1893.888
## 31944	+			+	+	+	2.506e+02	189.80000	24	-1891.385
## 3553	+	+		+	+				17	-1900.115
## 28646	+	+	+	+	+		2.066e+02	2.58400	23	-1892.735
## 7368	+			+	+	+			22	-1894.016
## 7372	+			+	+	+			22	-1894.035
## 19664	+			+	+			157.20000	23	-1892.804
## 24550	+	+	+	+	+	+		-30.78000	23	-1892.810
## 32207	+	+		+	+	+	1.500e+02	214.90000	25	-1890.254

## 15556	+			+	+	+	3.476e+01		22	-1894.108
## 11724	+	+		+	+		-9.694e+01		23	-1892.848
## 23759	+			+	+	+		162.40000	23	-1892.856
## 20462	+	+	+	+	+			-14.12000	23	-1892.886
## 32493	+		+	+	+	+	2.122e+02	34.14000	23	-1892.894
## 3536	+	+		+	+				23	-1892.904
## 28112	+	+		+	+		1.448e+02	208.10000	25	-1890.327
## 15815	+	+		+	+	+	-8.285e+01		23	-1892.936
## 15819	+	+		+	+	+	-1.006e+02		23	-1892.938
## 16365	+	+	+	+	+	+	1.929e+02		23	-1892.948
## 32745	+	+	+	+	+	+	2.212e+02	46.85000	23	-1892.961
## 7631	+	+		+	+	+			23	-1892.980
## 11969	+		+	+	+		1.847e+02		18	-1899.212
## 11720	+	+		+	+		-7.521e+01		23	-1893.012
## 28653	+	+	+	+	+		2.308e+02	32.91000	23	-1893.015
## 3305	+			+	+				17	-1900.565
## 31951	+			+	+	+	3.043e+02	222.80000	24	-1891.874
## 3297	+			+	+				16	-1901.762
## 27856	+			+	+		2.954e+02	215.70000	24	-1891.880
## 11727	+	+		+	+		-8.363e+01		23	-1893.169
## 23760	+			+	+	+		167.80000	24	-1891.956
## 11468	+			+	+		5.415e+01		22	-1894.546
## 32494	+		+	+	+	+	2.125e+02	31.21000	24	-1891.998
## 28353	+		+	+	+		3.455e+02	105.70000	19	-1898.290
## 16366	+	+	+	+	+	+	2.117e+02		24	-1892.016
## 3280	+			+	+				22	-1894.575
## 11464	+			+	+		6.813e+01		22	-1894.604
## 11970	+		+	+	+		1.615e+02		19	-1898.334
## 4033	+	+	+	+	+				18	-1899.554
## 24557	+	+	+	+	+	+		-6.53200	23	-1893.348
## 28354	+		+	+	+		3.401e+02	119.50000	20	-1897.161
## 15559	+			+	+	+	6.736e+01		22	-1894.672
## 32746	+	+	+	+	+	+	2.320e+02	50.44000	24	-1892.134
## 7874	+		+	+	+	+			19	-1898.422
## 32208	+	+		+	+	+	1.480e+02	218.20000	26	-1889.543
## 15563	+			+	+	+	5.447e+01		22	-1894.711
## 7375	+			+	+	+			22	-1894.730
## 3301	+			+	+				17	-1900.895
## 3781	+		+	+	+				18	-1899.729
## 7873	+		+	+	+	+			18	-1899.751
## 3561	+	+		+	+				18	-1899.752
## 20161	+		+	+	+			27.37000	18	-1899.753
## 20162	+		+	+	+			42.69000	19	-1898.595
## 31952	+			+	+	+	2.947e+02	226.10000	25	-1891.028
## 32741	+	+	+	+	+	+	1.753e+02	-3.63900	23	-1893.612
## 3785	+		+	+	+				18	-1899.845
## 3554	+	+		+	+				18	-1899.856
## 28654	+	+	+	+	+		2.437e+02	29.71000	24	-1892.368
## 15820	+	+		+	+	+	-1.110e+02		24	-1892.369
## 7632	+	+		+	+	+			24	-1892.379
## 11471	+			+	+		7.202e+01		22	-1894.960
## 15816	+	+		+	+	+	-8.431e+01		24	-1892.411
## 4034	+	+	+	+	+				19	-1898.697
## 32742	+	+	+	+	+	+	2.057e+02	2.38000	24	-1892.429

## 11489	+			+	+	1.864e+02		17 -1901.126
## 3557	+	+		+	+			18 -1899.949
## 3786	+		+	+	+			19 -1898.745
## 24558	+	+	+	+	+	+	-11.33000	24 -1892.495
## 3782	+		+	+	+			19 -1898.808
## 3298	+			+	+			17 -1901.259
## 19937	+	+		+	+		18.33000	18 -1900.085
## 7649	+	+		+	+	+		18 -1900.099
## 11745	+	+		+	+	7.530e+00		18 -1900.114
## 7376	+			+	+	+		23 -1893.968
## 15560	+			+	+	5.694e+01		23 -1893.973
## 15564	+			+	+	3.656e+01		23 -1894.017
## 11728	+	+		+	+	-8.616e+01		24 -1892.819
## 11497	+			+	+	1.208e+02		18 -1900.320
## 3309	+			+	+			18 -1900.349
## 16065	+		+	+	+	1.795e+02		19 -1899.156
## 32749	+	+	+	+	+	2.313e+02	35.31000	24 -1892.882
## 11977	+		+	+	+	1.993e+02		19 -1899.171
## 15823	+	+		+	+	-8.757e+01		24 -1892.893
## 20417	+	+	+	+	+		59.76000	19 -1899.192
## 3306	+			+	+			18 -1900.413
## 19681	+			+	+		-36.61000	17 -1901.617
## 12225	+	+	+	+	+	1.761e+02		19 -1899.210
## 11973	+		+	+	+	1.885e+02		19 -1899.211
## 7401	+			+	+	+		18 -1900.468
## 32450	+		+	+	+	3.268e+02	123.00000	21 -1896.793
## 16066	+		+	+	+	1.447e+02		20 -1898.039
## 7393	+			+	+	+		17 -1901.710
## 19689	+			+	+		23.99000	18 -1900.519
## 11978	+		+	+	+	1.948e+02		20 -1898.094
## 24258	+		+	+	+	+	50.25000	20 -1898.115
## 20165	+		+	+	+		64.11000	19 -1899.374
## 28357	+		+	+	+	3.228e+02	123.30000	20 -1898.147
## 28361	+		+	+	+	3.517e+02	129.50000	20 -1898.164
## 3302	+			+	+			18 -1900.617
## 32449	+		+	+	+	3.406e+02	106.10000	20 -1898.226
## 20418	+	+	+	+	+		67.60000	20 -1898.232
## 8129	+	+	+	+	+	+		19 -1899.482
## 28609	+	+	+	+	+	3.209e+02	107.20000	20 -1898.270
## 11493	+			+	+	1.110e+02		18 -1900.714
## 11974	+		+	+	+	1.895e+02		20 -1898.278
## 11472	+			+	+	6.462e+01		23 -1894.520
## 4041	+	+	+	+	+			19 -1899.517
## 11490	+			+	+	1.703e+02		18 -1900.732
## 32750	+	+	+	+	+	2.479e+02	33.32000	25 -1891.957
## 4037	+	+	+	+	+			19 -1899.538
## 19945	+	+		+	+		53.12000	19 -1899.539
## 12226	+	+	+	+	+	1.833e+02		20 -1898.321
## 7882	+		+	+	+	+		20 -1898.348
## 8130	+	+	+	+	+	+		20 -1898.354
## 28358	+		+	+	+	3.289e+02	127.90000	21 -1897.125
## 3562	+	+		+	+			19 -1899.622
## 28362	+		+	+	+	3.416e+02	124.50000	21 -1897.155
## 28610	+	+	+	+	+	3.452e+02	119.20000	21 -1897.160



## 20166	+		+	+	+		67.48000	20	-1898.410	
## 24257	+		+	+	+	+	29.42000	19	-1899.643	
## 7878	+		+	+	+	+		20	-1898.422	
## 19685	+			+	+		18.00000	18	-1900.871	
## 7877	+		+	+	+	+		19	-1899.658	
## 7397	+			+	+	+		18	-1900.881	
## 15567	+			+	+	+	6.714e+01	23	-1894.671	
## 20169	+		+	+	+		44.97000	19	-1899.677	
## 3565	+	+		+	+			19	-1899.709	
## 7657	+	+		+	+	+		19	-1899.711	
## 3789	+		+	+	+			19	-1899.713	
## 4042	+	+	+	+	+			20	-1898.505	
## 3558	+	+		+	+			19	-1899.745	
## 7881	+		+	+	+	+		19	-1899.745	
## 11753	+	+		+	+		-1.562e+00	19	-1899.752	
## 7650	+	+		+	+	+		19	-1899.769	
## 19941	+	+		+	+		46.87000	19	-1899.790	
## 19938	+	+		+	+		24.94000	19	-1899.801	
## 20170	+		+	+	+		42.33000	20	-1898.595	
## 7394	+			+	+	+		18	-1901.060	
## 11746	+	+		+	+		5.795e+00	19	-1899.856	
## 15824	+	+		+	+	+	-9.290e+01	25	-1892.281	
## 15585	+			+	+	+	1.831e+02	18	-1901.103	
## 27873	+			+	+		2.111e+02	16.57000	18	-1901.108
## 3790	+		+	+	+			20	-1898.684	
## 4038	+	+	+	+	+			20	-1898.696	
## 7653	+	+		+	+	+		19	-1899.940	
## 11749	+	+		+	+		-2.433e+01	19	-1899.942	
## 27881	+			+	+		2.189e+02	80.20000	19	-1899.966
## 19682	+			+	+		-25.50000	18	-1901.191	
## 24033	+	+		+	+	+	19.24000	19	-1900.065	
## 28129	+	+		+	+		4.341e+01	26.08000	19	-1900.068
## 15841	+	+		+	+	+	5.348e+00	19	-1900.098	
## 19693	+			+	+		53.56000	19	-1900.156	
## 11498	+			+	+		1.191e+02	19	-1900.174	
## 15568	+			+	+	+	5.468e+01	24	-1893.929	
## 20421	+	+	+	+	+		82.65000	20	-1898.988	
## 3310	+			+	+			19	-1900.220	
## 7402	+			+	+	+		19	-1900.222	
## 11501	+			+	+		9.151e+01	19	-1900.226	
## 15593	+			+	+	+	1.132e+02	19	-1900.256	
## 16074	+		+	+	+	+	1.772e+02	21	-1897.819	
## 7405	+			+	+	+		19	-1900.293	
## 24514	+	+	+	+	+	+	71.81000	21	-1897.829	
## 24513	+	+	+	+	+	+	60.88000	20	-1899.106	
## 16073	+		+	+	+	+	1.926e+02	20	-1899.126	
## 19690	+			+	+		24.74000	19	-1900.364	
## 23777	+			+	+	+	-34.96000	18	-1901.580	
## 16069	+		+	+	+	+	1.860e+02	20	-1899.153	
## 16321	+	+	+	+	+	+	1.720e+02	20	-1899.155	
## 12233	+	+	+	+	+		1.796e+02	20	-1899.159	
## 16070	+		+	+	+	+	1.832e+02	21	-1897.926	
## 11981	+		+	+	+		1.942e+02	20	-1899.169	
## 23785	+			+	+	+	29.86000	19	-1900.398	

## 20425	+	+	+	+	+		66.01000	20	-1899.179	
## 12229	+	+	+	+	+	1.797e+02		20	-1899.208	
## 11494	+			+	+	1.087e+02		19	-1900.443	
## 16322	+	+	+	+	+	+	1.744e+02	21	-1898.013	
## 24262	+		+	+	+	+	67.93000	21	-1898.017	
## 32458	+		+	+	+	+	3.291e+02	131.50000	22	-1896.777
## 32454	+		+	+	+	+	3.218e+02	127.00000	22	-1896.785
## 32706	+	+	+	+	+	+	3.397e+02	122.40000	22	-1896.788
## 7398	+			+	+	+			19	-1900.525
## 24261	+		+	+	+	+		63.99000	20	-1899.303
## 32457	+		+	+	+	+	3.465e+02	133.30000	21	-1898.068
## 27877	+			+	+		1.723e+02	55.09000	19	-1900.539
## 28365	+		+	+	+		3.317e+02	139.30000	21	-1898.072
## 11982	+		+	+	+		2.020e+02		21	-1898.089
## 12234	+	+	+	+	+		1.917e+02		21	-1898.094
## 32453	+		+	+	+	+	3.199e+02	122.70000	21	-1898.101
## 19686	+			+	+			22.49000	19	-1900.578
## 20173	+		+	+	+			71.83000	20	-1899.352
## 24266	+		+	+	+	+		53.61000	21	-1898.112
## 15586	+			+	+	+	1.594e+02		19	-1900.606
## 20422	+	+	+	+	+			82.87000	21	-1898.138
## 19949	+	+		+	+			70.32000	20	-1899.382
## 28613	+	+	+	+	+		3.089e+02	123.60000	21	-1898.140
## 28617	+	+	+	+	+		3.448e+02	129.20000	21	-1898.163
## 19946	+	+		+	+			53.46000	20	-1899.407
## 8138	+	+	+	+	+	+			21	-1898.191
## 32705	+	+	+	+	+	+	3.170e+02	107.60000	21	-1898.208
## 27874	+			+	+		2.104e+02	27.47000	19	-1900.682
## 8137	+	+	+	+	+	+			20	-1899.457
## 20426	+	+	+	+	+			60.79000	21	-1898.217
## 28137	+	+		+	+		9.410e+01	72.43000	20	-1899.464
## 24041	+	+		+	+	+		56.87000	20	-1899.470
## 8133	+	+	+	+	+	+			20	-1899.472
## 4045	+	+	+	+	+				20	-1899.472
## 15589	+			+	+	+	1.098e+02		19	-1900.704
## 12230	+	+	+	+	+		2.035e+02		21	-1898.272
## 7658	+	+		+	+	+			20	-1899.521
## 24265	+		+	+	+	+		51.21000	20	-1899.532
## 19942	+	+		+	+			49.91000	20	-1899.565
## 8134	+	+	+	+	+	+			21	-1898.336
## 7886	+		+	+	+	+			21	-1898.338
## 3566	+	+		+	+				20	-1899.588
## 28614	+	+	+	+	+		3.379e+02	127.70000	22	-1897.122
## 28366	+		+	+	+		3.302e+02	130.30000	22	-1897.124
## 11754	+	+		+	+		-1.318e+00		20	-1899.622
## 23781	+			+	+	+		18.42000	19	-1900.855
## 20174	+		+	+	+			63.17000	21	-1898.403
## 28618	+	+	+	+	+		3.513e+02	125.00000	22	-1897.152
## 7885	+		+	+	+	+			20	-1899.651
## 7661	+	+		+	+	+			20	-1899.678
## 7654	+	+		+	+	+			20	-1899.682
## 24034	+	+		+	+	+		28.44000	20	-1899.697
## 11757	+	+		+	+		-1.802e+01		20	-1899.706
## 15849	+	+		+	+	+	-5.477e+00		20	-1899.710

## 4046	+	+	+	+	+			21	-1898.492
## 11750	+	+		+	+	-2.042e+01		20	-1899.740
## 27885	+			+	+	1.926e+02	97.06000	20	-1899.741
## 15842	+	+		+	+	+ 1.914e-01		20	-1899.769
## 28130	+	+		+	+	5.320e+01	34.55000	20	-1899.776
## 28133	+	+		+	+	3.580e+01	53.03000	20	-1899.778
## 24037	+	+		+	+	+	47.15000	20	-1899.779
## 23778	+			+	+	+	-19.58000	19	-1901.020
## 27882	+			+	+	2.177e+02	80.63000	20	-1899.815
## 31969	+			+	+	+ 2.087e+02	17.33000	19	-1901.082
## 31977	+			+	+	+ 2.146e+02	84.39000	20	-1899.867
## 15845	+	+		+	+	+ -2.539e+01		20	-1899.933
## 19694	+			+	+		52.98000	20	-1900.031
## 15594	+			+	+	+ 1.070e+02		20	-1900.033
## 32225	+	+		+	+	+ 4.194e+01	26.70000	20	-1900.050
## 23789	+			+	+	+	56.52000	20	-1900.080
## 7406	+			+	+	+		20	-1900.094
## 11502	+			+	+	9.239e+01		20	-1900.095
## 23786	+			+	+	+	33.38000	20	-1900.135
## 24517	+	+	+	+	+	+	82.32000	21	-1898.926
## 15597	+			+	+	+ 8.796e+01		20	-1900.181
## 20429	+	+	+	+	+		84.39000	21	-1898.986
## 27878	+			+	+	1.758e+02	60.42000	20	-1900.232
## 24518	+	+	+	+	+	+	82.10000	22	-1897.786
## 16078	+		+	+	+	+ 1.944e+02		22	-1897.787
## 16330	+	+	+	+	+	+ 1.826e+02		22	-1897.818
## 24521	+	+	+	+	+	+	70.34000	21	-1899.078
## 24522	+	+	+	+	+	+	68.67000	22	-1897.826
## 16329	+	+	+	+	+	+ 1.754e+02		21	-1899.117
## 15590	+			+	+	+ 1.047e+02		20	-1900.364
## 16077	+		+	+	+	+ 1.909e+02		21	-1899.126
## 16325	+	+	+	+	+	+ 1.774e+02		21	-1899.151
## 12237	+	+	+	+	+	1.758e+02		21	-1899.157
## 16326	+	+	+	+	+	+ 2.027e+02		22	-1897.913
## 23782	+			+	+	+	24.49000	20	-1900.480
## 32461	+		+	+	+	+ 3.296e+02	141.40000	22	-1897.999
## 24042	+	+		+	+	+	59.24000	21	-1899.260
## 24269	+		+	+	+	+	74.65000	21	-1899.262
## 19950	+	+		+	+		69.66000	21	-1899.267
## 24270	+		+	+	+	+	67.55000	22	-1898.017
## 31973	+			+	+	+ 1.712e+02	55.20000	20	-1900.528
## 32714	+	+	+	+	+	+ 3.502e+02	132.60000	23	-1896.764
## 32462	+		+	+	+	+ 3.251e+02	133.50000	23	-1896.773
## 31970	+			+	+	+ 2.045e+02	31.37000	20	-1900.541
## 32710	+	+	+	+	+	+ 3.361e+02	126.70000	23	-1896.778
## 32713	+	+	+	+	+	+ 3.437e+02	133.20000	22	-1898.068
## 28141	+	+		+	+	8.307e+01	86.47000	21	-1899.324
## 28621	+	+	+	+	+	3.301e+02	139.10000	22	-1898.072
## 28138	+	+		+	+	9.505e+01	72.97000	21	-1899.329
## 24045	+	+		+	+	+	72.43000	21	-1899.333
## 12238	+	+	+	+	+	1.982e+02		22	-1898.089
## 32709	+	+	+	+	+	+ 3.062e+02	123.00000	22	-1898.094
## 20430	+	+	+	+	+		74.73000	22	-1898.110
## 32233	+	+		+	+	+ 9.397e+01	76.15000	21	-1899.394

## 8141	+	+	+	+	+	+		21	-1899.427	
## 8142	+	+	+	+	+	+		22	-1898.191	
## 24038	+	+		+	+	+	51.28000	21	-1899.493	
## 7662	+	+		+	+	+		21	-1899.504	
## 15850	+	+		+	+	+	-7.601e+00	21	-1899.521	
## 28134	+	+		+	+		4.537e+01	57.77000	21	-1899.547
## 11758	+	+		+	+		-1.599e+01		21	-1899.586
## 27886	+			+	+		1.929e+02	96.56000	21	-1899.614
## 31978	+			+	+	+	2.110e+02	86.89000	21	-1899.620
## 28622	+	+	+	+	+		3.423e+02	131.10000	23	-1897.119
## 31981	+			+	+	+	1.907e+02	99.44000	21	-1899.673
## 15853	+	+		+	+	+	-1.963e+01		21	-1899.674
## 32226	+	+		+	+	+	5.146e+01	37.71000	21	-1899.674
## 15846	+	+		+	+	+	-2.262e+01		21	-1899.677
## 32229	+	+		+	+	+	3.483e+01	53.14000	21	-1899.769
## 23790	+			+	+	+		57.22000	21	-1899.875
## 19905	+	+		+	+			113.60000	17	-1904.859
## 15598	+			+	+	+	8.684e+01		21	-1899.984
## 3265	+			+	+				15	-1907.345
## 3521	+	+		+	+				16	-1906.185
## 19909	+	+		+	+			156.50000	18	-1903.815
## 19653	+			+	+			127.70000	17	-1905.024
## 31974	+			+	+	+	1.730e+02	61.71000	21	-1900.145
## 24525	+	+	+	+	+	+		86.50000	22	-1898.918
## 24526	+	+	+	+	+	+		77.71000	23	-1897.778
## 16334	+	+	+	+	+	+	1.983e+02		23	-1897.787
## 27845	+			+	+		2.987e+02	179.80000	18	-1904.012
## 16333	+	+	+	+	+	+	1.745e+02		22	-1899.116
## 24046	+	+		+	+	+		72.80000	22	-1899.155
## 27841	+			+	+		3.764e+02	135.20000	17	-1905.320
## 32234	+	+		+	+	+	9.515e+01	78.77000	22	-1899.183
## 3269	+			+	+				16	-1906.527
## 28142	+	+		+	+		8.464e+01	86.10000	22	-1899.206
## 32717	+	+	+	+	+	+	3.310e+02	141.50000	23	-1897.999
## 32237	+	+		+	+	+	8.368e+01	88.72000	22	-1899.274
## 32718	+	+	+	+	+	+	3.466e+02	134.90000	24	-1896.759
## 31982	+			+	+	+	1.902e+02	100.00000	22	-1899.469
## 19906	+	+		+	+			120.10000	18	-1904.416
## 32230	+	+		+	+	+	4.440e+01	58.96000	22	-1899.475
## 28097	+	+		+	+		2.196e+02	145.60000	18	-1904.425
## 15854	+	+		+	+	+	-1.822e+01		22	-1899.500
## 11457	+			+	+		1.715e+02		16	-1906.836
## 3266	+			+	+				16	-1906.839
## 19649	+			+	+			54.14000	16	-1906.988
## 19654	+			+	+			131.50000	18	-1904.646
## 3522	+	+		+	+				17	-1905.888
## 27842	+			+	+		3.708e+02	145.20000	18	-1904.694
## 28101	+	+		+	+		1.883e+02	181.60000	19	-1903.496
## 19910	+	+		+	+			158.80000	19	-1903.520
## 3525	+	+		+	+				17	-1905.955
## 3529	+	+		+	+				17	-1905.961
## 27846	+			+	+		3.007e+02	184.00000	19	-1903.617
## 24001	+	+		+	+	+		114.60000	18	-1904.834
## 19913	+	+		+	+			121.10000	18	-1904.843

## 7361	+		+	+	+			16	-1907.317
## 3273	+		+	+				16	-1907.345
## 27849	+		+	+		3.909e+02	177.70000	18	-1904.970
## 7617	+	+	+	+	+			17	-1906.178
## 11713	+	+	+	+		2.327e+01		17	-1906.179
## 19661	+		+	+			139.30000	18	-1904.983
## 23749	+		+	+	+		128.20000	18	-1905.011
## 24005	+	+	+	+	+		156.70000	19	-1903.808
## 19917	+	+	+	+			155.80000	19	-1903.815
## 3270	+		+	+				17	-1906.240
## 27853	+		+	+		3.127e+02	201.90000	19	-1903.893
## 19650	+		+	+			65.79000	17	-1906.322
## 3277	+		+	+				17	-1906.357
## 28098	+	+	+	+		2.277e+02	153.50000	19	-1903.948
## 11461	+		+	+		9.261e+01		17	-1906.408
## 31941	+		+	+	+	2.980e+02	179.90000	19	-1904.006
## 11458	+		+	+		1.547e+02		17	-1906.428
## 31937	+		+	+	+	3.740e+02	136.00000	18	-1905.295
## 32238	+	+	+	+	+	8.610e+01	89.56000	23	-1899.092
## 7365	+		+	+	+			17	-1906.523
## 24002	+	+	+	+	+		123.80000	19	-1904.269
## 7362	+		+	+	+			17	-1906.690
## 3530	+	+	+	+				18	-1905.501
## 3533	+	+	+	+				18	-1905.524
## 28105	+	+	+	+		2.445e+02	167.10000	19	-1904.336
## 19657	+		+	+			86.01000	17	-1906.762
## 11465	+		+	+		1.846e+02		17	-1906.802
## 3274	+		+	+				17	-1906.807
## 28102	+	+	+	+		1.975e+02	185.30000	20	-1903.169
## 32193	+	+	+	+	+	2.181e+02	146.20000	19	-1904.407
## 15553	+		+	+	+	1.692e+02		17	-1906.825
## 19914	+	+	+	+			119.10000	19	-1904.416
## 3526	+	+	+	+				18	-1905.727
## 31938	+		+	+	+	3.632e+02	149.00000	19	-1904.519
## 23745	+		+	+	+		55.96000	17	-1906.939
## 27850	+		+	+		3.819e+02	174.50000	19	-1904.522
## 23750	+		+	+	+		133.50000	19	-1904.542
## 7618	+	+	+	+	+			18	-1905.820
## 19662	+		+	+			135.70000	19	-1904.641
## 11714	+	+	+	+		2.128e+01		18	-1905.883
## 24006	+	+	+	+	+		160.20000	20	-1903.445
## 28109	+	+	+	+		2.008e+02	190.90000	20	-1903.477
## 32197	+	+	+	+	+	1.876e+02	181.70000	20	-1903.491
## 3278	+		+	+				18	-1905.948
## 19918	+	+	+	+			152.20000	20	-1903.505
## 11721	+	+	+	+		2.874e+01		18	-1905.951
## 11717	+	+	+	+		-1.445e+01		18	-1905.953
## 7621	+	+	+	+	+			18	-1905.953
## 7625	+	+	+	+	+			18	-1905.959
## 31942	+		+	+	+	2.979e+02	185.20000	20	-1903.531
## 27854	+		+	+		3.096e+02	197.80000	20	-1903.570
## 24009	+	+	+	+	+		123.90000	19	-1904.810
## 23746	+		+	+	+		72.21000	18	-1906.078
## 3756	+		+	+	+			23	-1899.894

## 7369	+			+	+	+			17	-1907.316
## 31945	+			+	+	+	3.881e+02	181.30000	19	-1904.911
## 11462	+			+	+		9.021e+01		18	-1906.127
## 15809	+	+		+	+	+	2.187e+01		18	-1906.173
## 23757	+			+	+	+		141.20000	19	-1904.962
## 7366	+			+	+	+			18	-1906.179
## 11469	+			+	+		1.058e+02		18	-1906.203
## 19658	+			+	+			84.85000	18	-1906.236
## 24013	+	+		+	+	+		156.90000	20	-1903.808
## 32194	+	+		+	+	+	2.248e+02	156.60000	20	-1903.812
## 11466	+			+	+		1.789e+02		18	-1906.295
## 31949	+			+	+	+	3.123e+02	203.50000	20	-1903.876
## 15554	+			+	+	+	1.450e+02		18	-1906.334
## 3534	+	+		+	+				19	-1905.136
## 7373	+			+	+	+			18	-1906.357
## 28106	+	+		+	+		2.404e+02	164.40000	20	-1903.924
## 15557	+			+	+	+	9.200e+01		18	-1906.406
## 7370	+			+	+	+			18	-1906.655
## 7626	+	+		+	+	+			19	-1905.444
## 23753	+			+	+	+		91.25000	18	-1906.675
## 11722	+	+		+	+		2.808e+01		19	-1905.493
## 24010	+	+		+	+	+		125.00000	20	-1904.268
## 11725	+	+		+	+		-2.353e+01		19	-1905.518
## 7629	+	+		+	+	+			19	-1905.522
## 32201	+	+		+	+	+	2.449e+02	170.10000	20	-1904.302
## 31946	+			+	+	+	3.747e+02	180.90000	20	-1904.319
## 32198	+	+		+	+	+	1.964e+02	186.50000	21	-1903.097
## 15561	+			+	+	+	1.821e+02		18	-1906.795
## 28110	+	+		+	+		1.998e+02	187.10000	21	-1903.168
## 7622	+	+		+	+	+			19	-1905.685
## 7852	+		+	+	+	+			24	-1899.442
## 11718	+	+		+	+		-1.022e+01		19	-1905.726
## 20140	+		+	+	+			79.82000	24	-1899.453
## 4012	+	+	+	+	+				24	-1899.454
## 23758	+			+	+	+		139.70000	20	-1904.530
## 11470	+			+	+		1.069e+02		19	-1905.790
## 15810	+	+		+	+	+	1.628e+01		19	-1905.817
## 11948	+		+	+	+		1.539e+02		24	-1899.589
## 7374	+			+	+	+			19	-1905.902
## 24014	+	+		+	+	+		155.10000	21	-1903.436
## 32205	+	+		+	+	+	2.014e+02	192.20000	21	-1903.467
## 31950	+			+	+	+	3.078e+02	201.20000	21	-1903.471
## 15817	+	+		+	+	+	2.819e+01		19	-1905.951
## 15813	+	+		+	+	+	-1.494e+01		19	-1905.951
## 23754	+			+	+	+		94.20000	19	-1905.968
## 28332	+		+	+	+		3.295e+02	151.00000	25	-1898.398
## 3760	+		+	+	+				24	-1899.711
## 15558	+			+	+	+	8.683e+01		19	-1906.074
## 28324	+		+	+	+		4.167e+02	234.40000	24	-1899.921
## 15565	+			+	+	+	1.060e+02		19	-1906.203
## 15562	+			+	+	+	1.691e+02		19	-1906.205
## 32202	+	+		+	+	+	2.404e+02	170.30000	21	-1903.776
## 7630	+	+		+	+	+			20	-1905.116
## 20396	+	+	+	+	+			100.40000	25	-1898.780

## 11726	+	+		+	+	-1.964e+01		20	-1905.132	
## 24236	+		+	+	+	+	93.23000	25	-1898.849	
## 8108	+	+	+	+	+	+		25	-1899.061	
## 20132	+		+	+	+		160.00000	23	-1901.662	
## 15818	+	+		+	+	+	2.344e+01	20	-1905.438	
## 7856	+		+	+	+	+		25	-1899.091	
## 32428	+		+	+	+	+	3.242e+02	162.90000	26	-1897.822
## 32420	+		+	+	+	+	4.037e+02	241.70000	25	-1899.140
## 15821	+	+		+	+	+	-2.307e+01	20	-1905.516	
## 16044	+		+	+	+	+	1.382e+02	25	-1899.197	
## 4016	+	+	+	+	+			25	-1899.219	
## 11952	+		+	+	+	1.981e+02		25	-1899.238	
## 32206	+	+		+	+	+	2.015e+02	190.40000	22	-1903.094
## 15814	+	+		+	+	+	-1.205e+01	20	-1905.684	
## 12204	+	+	+	+	+	8.922e+01		25	-1899.371	
## 15566	+			+	+	+	1.038e+02	20	-1905.754	
## 20144	+		+	+	+		70.56000	25	-1899.423	
## 24228	+		+	+	+	+	170.30000	24	-1900.785	
## 19171	+		+		+		-133.70000	22	-1903.341	
## 28588	+	+	+	+	+	2.666e+02	149.60000	26	-1898.200	
## 24492	+	+	+	+	+	+	112.40000	26	-1898.228	
## 2788	+		+		+			22	-1903.401	
## 28336	+		+	+	+	3.349e+02	139.10000	26	-1898.337	
## 19175	+		+		+		-191.70000	23	-1902.238	
## 19176	+		+		+		-177.30000	24	-1900.984	
## 2787	+		+		+			21	-1904.804	
## 10980	+		+		+	2.955e+02		23	-1902.296	
## 10979	+		+		+	3.123e+02		22	-1903.583	
## 19172	+		+		+		-115.30000	23	-1902.329	
## 28328	+		+	+	+	4.219e+02	211.40000	25	-1899.760	
## 23272	+		+		+	+	-173.60000	25	-1899.771	
## 20388	+	+	+	+	+		180.70000	24	-1901.077	
## 6884	+		+		+	+		23	-1902.411	
## 28580	+	+	+	+	+	3.799e+02	235.90000	25	-1899.844	
## 3748	+		+	+	+			22	-1903.816	
## 16048	+		+	+	+	+	1.904e+02	26	-1898.653	
## 8112	+	+	+	+	+	+		26	-1898.656	
## 15822	+	+		+	+	+	-2.079e+01	21	-1905.111	
## 3043	+	+	+		+			22	-1903.885	
## 2795	+		+		+			22	-1903.901	
## 24240	+		+	+	+	+	76.96000	26	-1898.747	
## 20400	+	+	+	+	+		91.32000	26	-1898.751	
## 32424	+		+	+	+	+	4.097e+02	210.50000	26	-1898.834
## 3044	+	+	+		+			23	-1902.737	
## 10987	+		+		+	3.025e+02		23	-1902.747	
## 15076	+		+		+	+	2.723e+02	24	-1901.472	
## 3752	+		+	+	+			23	-1902.803	
## 10984	+		+		+	3.584e+02		24	-1901.521	
## 23268	+		+		+	+	-104.80000	24	-1901.529	
## 19427	+	+	+		+		-116.50000	23	-1902.816	
## 20136	+		+	+	+		139.50000	24	-1901.545	
## 24484	+	+	+	+	+	+	189.70000	25	-1900.252	
## 32684	+	+	+	+	+	+	2.656e+02	161.30000	27	-1897.649
## 32432	+		+	+	+	+	3.325e+02	144.90000	27	-1897.671

## 16300	+	+	+	+	+	+	7.702e+01	26	-1898.999
## 12208	+	+	+	+	+		1.353e+02	26	-1899.041
## 15080	+		+		+	+	3.441e+02	25	-1900.354
## 19183	+		+		+		-167.30000	24	-1901.652
## 19431	+	+	+		+		-175.00000	24	-1901.663
## 32676	+	+	+	+	+	+	3.699e+02 243.10000	26	-1899.074
## 10991	+		+		+		3.778e+02	24	-1901.691
## 27363	+		+		+		1.901e+02 -96.99000	23	-1902.995
## 2796	+		+		+			23	-1903.007
## 3754	+		+	+	+			19	-1908.003
## 19179	+		+		+		-110.30000	23	-1903.023
## 2792	+		+		+			23	-1903.056
## 23267	+		+		+	+	-130.80000	23	-1903.063
## 6888	+		+		+	+		24	-1901.782
## 23271	+		+		+	+	-192.40000	24	-1901.801
## 10983	+		+		+		3.632e+02	23	-1903.102
## 27368	+		+		+		2.176e+02 -136.50000	25	-1900.521
## 7848	+		+	+	+	+		24	-1901.823
## 24232	+		+	+	+	+	140.70000	25	-1900.530
## 7140	+	+	+		+	+		24	-1901.835
## 27367	+		+		+		2.040e+02 -153.70000	24	-1901.836
## 15088	+		+		+	+	3.567e+02	26	-1899.227
## 19432	+	+	+		+		-163.70000	25	-1900.555
## 3051	+	+	+		+			23	-1903.148
## 6892	+		+		+	+		24	-1901.894
## 23280	+		+		+	+	-152.90000	26	-1899.296
## 6883	+		+		+	+		22	-1904.464
## 10988	+		+		+		2.915e+02	24	-1901.927
## 19428	+	+	+		+		-101.50000	24	-1901.933
## 7844	+		+	+	+	+		23	-1903.217
## 27364	+		+		+		2.010e+02 -76.16000	24	-1901.939
## 31464	+		+		+	+	2.044e+02 -135.40000	26	-1899.359
## 23528	+	+	+		+	+	-161.00000	26	-1899.392
## 11235	+	+	+		+		2.392e+02	23	-1903.305
## 19184	+		+		+		-162.40000	25	-1900.729
## 10992	+		+		+		3.707e+02	25	-1900.731
## 15075	+		+		+	+	3.021e+02	23	-1903.323
## 2755	+		+		+			20	-1907.094
## 6891	+		+		+	+		23	-1903.328
## 24496	+	+	+	+	+	+	96.51000	27	-1898.132
## 6896	+		+		+	+		25	-1900.775
## 28592	+	+	+	+	+		2.728e+02 138.40000	27	-1898.147
## 2791	+		+		+			22	-1904.654
## 2799	+		+		+			23	-1903.390
## 11946	+		+	+	+		2.310e+02	20	-1907.166
## 2756	+		+		+			21	-1905.930
## 11236	+	+	+		+		2.413e+02	24	-1902.140
## 15087	+		+		+	+	3.700e+02	25	-1900.912
## 23279	+		+		+	+	-161.90000	25	-1900.914
## 11944	+		+	+	+		2.234e+02	24	-1902.219
## 19180	+		+		+		-103.50000	24	-1902.231
## 10947	+		+		+		2.915e+02	21	-1906.052
## 20392	+	+	+	+	+		160.20000	25	-1900.959
## 7139	+	+	+		+	+		23	-1903.562



## 3048	+	+	+		+					24	-1902.282
## 15083	+		+		+	+	2.876e+02			24	-1902.285
## 15084	+		+		+	+	2.663e+02			25	-1900.992
## 28584	+	+	+	+	+		3.859e+02	213.20000		26	-1899.687
## 11940	+		+	+	+		1.357e+02			23	-1903.588
## 27375	+		+		+		2.553e+02	-115.30000		25	-1901.037
## 3047	+	+	+		+					23	-1903.628
## 6852	+		+		+	+				22	-1904.926
## 7144	+	+	+		+	+				25	-1901.081
## 2800	+		+		+					24	-1902.380
## 4004	+	+	+	+	+					23	-1903.672
## 19439	+	+	+		+			-151.70000		25	-1901.105
## 3052	+	+	+		+					24	-1902.406
## 16304	+	+	+	+	+	+	1.326e+02			27	-1898.484
## 10948	+		+		+		2.753e+02			22	-1904.992
## 23524	+	+	+		+	+		-92.07000		25	-1901.175
## 31460	+		+		+	+	1.885e+02	-68.34000		25	-1901.183
## 3055	+	+	+		+					24	-1902.505
## 19435	+	+	+		+			-94.54000		24	-1902.522
## 23527	+	+	+		+	+		-175.80000		25	-1901.228
## 27371	+		+		+		2.267e+02	-61.77000		24	-1902.542
## 23523	+	+	+		+	+		-113.70000		24	-1902.543
## 4008	+	+	+	+	+					24	-1902.550
## 11243	+	+	+		+		2.417e+02			24	-1902.552
## 6895	+		+		+	+				24	-1902.553
## 16040	+		+	+	+	+	2.119e+02			25	-1901.293
## 23275	+		+		+	+		-101.20000		24	-1902.595
## 3011	+	+	+		+					21	-1906.417
## 24488	+	+	+	+	+	+		160.30000		26	-1900.001
## 7147	+	+	+		+	+				24	-1902.617
## 15332	+	+	+		+	+	2.214e+02			25	-1901.331
## 31472	+		+		+	+	2.485e+02	-102.40000		27	-1898.700
## 23276	+		+		+	+		-87.73000		25	-1901.342
## 11240	+	+	+		+		3.052e+02			25	-1901.371
## 7148	+	+	+		+	+				25	-1901.390
## 27619	+	+	+		+		1.153e+02	-97.60000		24	-1902.709
## 32680	+	+	+	+	+	+	3.774e+02	212.10000		27	-1898.774
## 27376	+		+		+		2.530e+02	-110.90000		26	-1900.120
## 31463	+		+		+	+	1.942e+02	-156.30000		25	-1901.436
## 7850	+		+	+	+	+				20	-1907.793
## 31459	+		+		+	+	1.816e+02	-95.89000		24	-1902.747
## 15079	+		+		+	+	3.564e+02			24	-1902.748
## 7152	+	+	+		+	+				26	-1900.148
## 10952	+		+		+		3.462e+02			23	-1904.052
## 4010	+	+	+	+	+					20	-1907.829
## 32688	+	+	+	+	+	+	2.758e+02	144.20000		28	-1897.511
## 11247	+	+	+		+		3.194e+02			25	-1901.514
## 11239	+	+	+		+		2.896e+02			24	-1902.817
## 15048	+		+		+	+	3.314e+02			24	-1902.819
## 27623	+	+	+		+		1.273e+02	-154.70000		25	-1901.530
## 6856	+		+		+	+				23	-1904.115
## 15336	+	+	+		+	+	2.947e+02			26	-1900.222
## 15044	+		+		+	+	2.517e+02			23	-1904.142
## 23536	+	+	+		+	+		-140.50000		27	-1898.923

## 10951	+		+		+	3.510e+02		22	-1905.421
## 2760	+		+		+			22	-1905.451
## 6851	+		+		+	+		21	-1906.708
## 3012	+	+	+		+			22	-1905.459
## 8104	+	+	+	+	+	+		25	-1901.609
## 19440	+	+	+		+		-148.90000	26	-1900.301
## 31471	+		+		+	+	2.528e+02 -110.50000	26	-1900.307
## 20138	+		+	+	+		-13.47000	20	-1907.990
## 3758	+		+	+	+			20	-1908.003
## 27624	+	+	+		+		1.589e+02 -138.00000	26	-1900.347
## 3056	+	+	+		+			25	-1901.661
## 6887	+		+		+	+		23	-1904.245
## 23535	+	+	+		+	+	-146.60000	26	-1900.378
## 7151	+	+	+		+	+		25	-1901.693
## 19139	+		+		+		-53.83000	21	-1906.823
## 2759	+		+		+			21	-1906.841
## 15331	+	+	+		+	+	2.279e+02	24	-1903.037
## 16036	+		+	+	+	+	1.173e+02	24	-1903.047
## 27372	+		+		+		2.235e+02 -55.67000	25	-1901.760
## 27620	+	+	+		+		1.425e+02 -77.68000	25	-1901.768
## 15344	+	+	+		+	+	3.177e+02	27	-1899.145
## 11244	+	+	+		+		2.427e+02	25	-1901.800
## 8100	+	+	+	+	+	+		24	-1903.107
## 28330	+		+	+	+		3.129e+02 67.49000	21	-1906.935
## 19436	+	+	+		+		-89.91000	25	-1901.837
## 31720	+	+	+		+	+	1.498e+02 -136.80000	27	-1899.205
## 15043	+		+		+	+	2.806e+02	22	-1905.744
## 7143	+	+	+		+	+		24	-1903.218
## 2763	+		+		+			21	-1907.030
## 11950	+		+	+	+		2.687e+02	21	-1907.034
## 11248	+	+	+		+		3.254e+02	26	-1900.623
## 16042	+		+	+	+	+	2.194e+02	21	-1907.050
## 7108	+	+	+		+	+		23	-1904.529
## 19140	+		+		+		-35.55000	22	-1905.814
## 11203	+	+	+		+		2.330e+02	22	-1905.880
## 12202	+	+	+	+	+		2.583e+02	21	-1907.144
## 15343	+	+	+		+	+	3.124e+02	26	-1900.738
## 2764	+		+		+			22	-1905.925
## 15339	+	+	+		+	+	2.270e+02	25	-1902.090
## 23531	+	+	+		+	+	-85.75000	25	-1902.106
## 31467	+		+		+	+	2.225e+02 -53.74000	25	-1902.131
## 27631	+	+	+		+		1.884e+02 -118.30000	26	-1900.825
## 10955	+		+		+		2.884e+02	22	-1906.011
## 12200	+	+	+	+	+		1.965e+02	25	-1902.182
## 3015	+	+	+		+			22	-1906.042
## 7107	+	+	+		+	+		22	-1906.045
## 15340	+	+	+		+	+	2.216e+02	26	-1900.883
## 27331	+		+		+		2.847e+02 -5.20500	22	-1906.050
## 31468	+		+		+	+	2.161e+02 -41.77000	26	-1900.898
## 12196	+	+	+	+	+		1.094e+02	24	-1903.553
## 23236	+		+		+	+	-26.03000	23	-1904.864
## 3016	+	+	+		+			23	-1904.865
## 7112	+	+	+		+	+		24	-1903.593
## 19143	+		+		+		-95.85000	22	-1906.149

## 23532	+	+	+		+	+	-75.43000	26	-1900.993	
## 2531	+	+			+			20	-1908.668	
## 27627	+	+	+		+	1.586e+02	-64.98000	25	-1902.325	
## 11204	+	+	+		+	2.348e+02		23	-1904.908	
## 23240	+		+		+	+	-79.41000	24	-1903.634	
## 31716	+	+	+		+	+	1.334e+02	-69.87000	26	-1901.029
## 6860	+		+		+	+		23	-1904.926	
## 19144	+		+		+		-81.37000	23	-1904.952	
## 27332	+		+		+	2.950e+02	15.36000	23	-1904.975	
## 10956	+		+		+	2.765e+02		23	-1904.981	
## 15047	+		+		+	+	3.437e+02	23	-1904.998	
## 31719	+	+	+		+	+	1.159e+02	-157.30000	26	-1901.118
## 19395	+	+	+		+		-36.56000	22	-1906.298	
## 15335	+	+	+		+	+	2.814e+02	25	-1902.451	
## 31715	+	+	+		+	+	1.057e+02	-96.49000	25	-1902.452
## 6855	+		+		+	+		22	-1906.364	
## 3019	+	+	+		+			22	-1906.395	
## 8106	+	+	+	+	+	+		21	-1907.670	
## 31728	+	+	+		+	+	2.018e+02	-104.70000	28	-1898.596
## 16296	+	+	+	+	+	+	1.888e+02	26	-1901.266	
## 23235	+		+		+	+		-51.66000	22	-1906.458
## 10959	+		+		+	3.549e+02		23	-1905.201	
## 27632	+	+	+		+	1.996e+02	-113.50000	27	-1899.985	
## 11207	+	+	+		+	2.915e+02		23	-1905.240	
## 11208	+	+	+		+	3.064e+02		24	-1903.970	
## 7854	+		+	+	+	+		21	-1907.783	
## 24234	+		+	+	+	+	-5.38300	21	-1907.791	
## 27336	+		+		+	3.144e+02	-30.05000	24	-1903.995	
## 27335	+		+		+	3.010e+02	-47.17000	23	-1905.281	
## 15056	+		+		+	+	3.340e+02	25	-1902.710	
## 4014	+	+	+	+	+			21	-1907.819	
## 20394	+	+	+	+	+		0.91170	21	-1907.829	
## 10960	+		+		+	3.478e+02		24	-1904.023	
## 6859	+		+		+	+		22	-1906.577	
## 6864	+		+		+	+		24	-1904.027	
## 31727	+	+	+		+	+	1.869e+02	-113.50000	27	-1900.100
## 15304	+	+	+		+	+	2.954e+02	25	-1902.751	
## 31432	+		+		+	+	2.990e+02	-30.68000	25	-1902.759
## 15300	+	+	+		+	+	2.143e+02	24	-1904.069	
## 2275	+				+			19	-1910.349	
## 2767	+		+		+			22	-1906.654	
## 31428	+		+		+	+	2.793e+02	21.71000	24	-1904.108
## 3755	+		+	+	+			22	-1906.679	
## 19396	+	+	+		+		-21.69000	23	-1905.417	
## 15052	+		+		+	+	2.520e+02	24	-1904.141	
## 2768	+		+		+			23	-1905.434	
## 3020	+	+	+		+			23	-1905.441	
## 20142	+		+	+	+		-15.96000	21	-1907.988	
## 27628	+	+	+		+	1.678e+02	-58.56000	26	-1901.615	
## 32426	+		+	+	+	+	3.059e+02	72.69000	22	-1906.784
## 2532	+	+			+			21	-1908.046	
## 19147	+		+		+		-52.74000	22	-1906.823	
## 7111	+	+	+		+	+		23	-1905.560	
## 15299	+	+	+		+	+	2.207e+02	23	-1905.564	

## 19399	+	+	+		+			-79.10000	23	-1905.584
## 16046	+		+	+	+	+	2.630e+02		22	-1906.856
## 16292	+	+	+	+	+	+	9.402e+01		25	-1903.019
## 28334	+		+	+	+		3.254e+02	57.26000	22	-1906.882
## 28586	+	+	+	+	+		3.466e+02	68.79000	22	-1906.904
## 23239	+		+		+	+		-97.82000	23	-1905.639
## 2539	+	+			+				21	-1908.171
## 15051	+		+		+	+	2.749e+02		23	-1905.654
## 17891	+	+		+				122.80000	17	-1913.145
## 2276	+				+				20	-1909.509
## 31427	+		+		+	+	2.740e+02	-5.04600	23	-1905.742
## 12206	+	+	+	+	+		2.919e+02		22	-1907.017
## 16298	+	+	+	+	+	+	2.522e+02		22	-1907.017
## 3746	+		+	+	+				18	-1911.968
## 19148	+		+		+			-47.22000	23	-1905.757
## 28322	+		+	+	+		3.538e+02	186.70000	20	-1909.547
## 1763	+		+	+					17	-1913.208
## 23492	+	+	+		+	+		-13.29000	24	-1904.513
## 7116	+	+	+		+	+			24	-1904.527
## 31723	+	+	+		+	+	1.550e+02	-56.96000	26	-1901.917
## 19400	+	+	+		+			-67.73000	24	-1904.529
## 18915	+	+			+			-63.46000	21	-1908.354
## 23496	+	+	+		+	+		-66.74000	25	-1903.263
## 11211	+	+	+		+		2.332e+02		23	-1905.856
## 20130	+		+	+	+			101.70000	19	-1910.869
## 27587	+	+	+		+		2.276e+02	-4.26900	23	-1905.879
## 2283	+				+				20	-1909.650
## 15055	+		+		+	+	3.475e+02		24	-1904.606
## 3023	+	+	+		+				23	-1905.919
## 6627	+	+			+	+			21	-1908.457
## 23491	+	+	+		+	+		-34.53000	23	-1905.938
## 4011	+	+	+	+	+				23	-1905.941
## 3750	+		+	+	+				19	-1910.964
## 1507	+	+		+					16	-1914.571
## 18659	+				+			-87.17000	20	-1909.745
## 7115	+	+	+		+	+			23	-1905.978
## 31724	+	+	+		+	+	1.654e+02	-44.60000	27	-1900.776
## 6863	+		+		+	+			23	-1906.006
## 27339	+		+		+		2.984e+02	8.04800	23	-1906.008
## 2019	+	+	+	+					18	-1912.225
## 10467	+				+		2.152e+02		20	-1909.784
## 10723	+	+			+		8.126e+01		21	-1908.599
## 15303	+	+	+		+	+	2.825e+02		24	-1904.805
## 2535	+	+			+				21	-1908.616
## 7120	+	+	+		+	+			25	-1903.532
## 31431	+		+		+	+	2.895e+02	-50.86000	24	-1904.835
## 19151	+		+		+			-89.66000	23	-1906.130
## 23244	+		+		+	+		-31.44000	24	-1904.852
## 3024	+	+	+		+				24	-1904.859
## 17859	+	+		+				168.30000	16	-1914.750
## 21987	+	+		+		+		132.10000	18	-1912.366
## 11212	+	+	+		+		2.347e+02		24	-1904.890
## 27588	+	+	+		+		2.545e+02	15.31000	24	-1904.891
## 23248	+		+		+	+		-77.09000	25	-1903.631

## 19152	+		+		+		-87.01000	24	-1904.935
## 28323	+		+	+	+	4.373e+02	227.80000	23	-1906.229
## 6628	+	+			+	+		22	-1907.502
## 5859	+		+	+		+		18	-1912.464
## 27340	+		+		+	2.914e+02	12.04000	24	-1904.973
## 11947	+		+	+	+	1.818e+02		23	-1906.280
## 19403	+	+	+		+		-36.59000	23	-1906.298
## 20139	+		+	+	+		76.12000	23	-1906.303
## 6372	+				+	+		21	-1908.870
## 11215	+	+	+		+	3.020e+02		24	-1905.061
## 6371	+				+	+		20	-1910.115
## 23495	+	+	+		+	+	-81.13000	24	-1905.077
## 8110	+	+	+	+	+	+		22	-1907.635
## 27591	+	+	+		+	2.431e+02	-46.36000	24	-1905.104
## 24490	+	+	+	+	+	+	6.58600	22	-1907.667
## 28331	+		+	+	+	3.610e+02	154.20000	24	-1905.116
## 23243	+		+		+	+	-43.70000	23	-1906.437
## 27343	+		+		+	3.252e+02	-27.26000	24	-1905.163
## 1251	+			+				15	-1916.274
## 27592	+	+	+		+	2.746e+02	-30.02000	25	-1903.913
## 11942	+		+	+	+	2.301e+02		20	-1910.270
## 24238	+		+	+	+	+	-12.59000	22	-1907.774
## 10468	+				+	1.977e+02		21	-1909.031
## 5860	+		+	+		+		19	-1911.504
## 6115	+	+	+	+		+		19	-1911.512
## 2540	+	+			+			22	-1907.792
## 11216	+	+	+		+	3.095e+02		25	-1903.949
## 20398	+	+	+	+	+		-4.75000	22	-1907.818
## 15312	+	+	+		+	+	3.018e+02	26	-1902.657
## 1764	+		+	+				18	-1912.763
## 18403	+	+	+	+			87.22000	19	-1911.554
## 21955	+	+		+		+	177.60000	17	-1913.976
## 28578	+	+	+	+	+	4.728e+02	175.60000	21	-1909.091
## 6635	+	+			+	+		22	-1907.836
## 20395	+	+	+	+	+		102.40000	24	-1905.285
## 27344	+		+		+	3.198e+02	-25.68000	25	-1903.989
## 7119	+	+	+		+	+		24	-1905.294
## 2279	+				+			20	-1910.346
## 18916	+	+			+		-50.38000	22	-1907.852
## 31688	+	+	+		+	+	2.630e+02	26	-1902.691
## 31440	+		+		+	+	3.161e+02	26	-1902.695
## 18660	+				+		-71.21000	21	-1909.116
## 10475	+				+	2.086e+02		21	-1909.117
## 5603	+	+		+		+		17	-1914.010
## 28326	+		+	+	+	3.837e+02	145.90000	21	-1909.132
## 31684	+	+	+		+	+	2.418e+02	25	-1904.035
## 2284	+				+			21	-1909.153
## 7851	+		+	+	+	+		23	-1906.633
## 9699	+	+		+		-2.291e+02		17	-1914.052
## 19404	+	+	+		+		-33.49000	24	-1905.359
## 15308	+	+	+		+	+	2.143e+02	25	-1904.066
## 18147	+		+	+			60.90000	18	-1912.869
## 3759	+		+	+	+			23	-1906.658
## 2536	+	+			+			22	-1907.932

## 31436	+		+		+	+	2.835e+02	25.86000	25	-1904.103
## 17892	+	+		+				130.60000	18	-1912.901
## 32430	+		+	+	+	+	3.218e+02	59.61000	23	-1906.692
## 21988	+	+		+		+		148.50000	19	-1911.693
## 2543	+	+			+				22	-1907.975
## 10724	+	+			+		7.387e+01		22	-1907.989
## 4002	+	+	+	+	+				19	-1911.719
## 32682	+	+	+	+	+	+	3.469e+02	74.58000	23	-1906.738
## 6379	+				+	+			21	-1909.265
## 17635	+			+				98.01000	16	-1915.359
## 20131	+		+	+	+			149.60000	22	-1908.033
## 18923	+	+			+			-41.27000	22	-1908.053
## 15307	+	+	+		+	+	2.200e+02		24	-1905.500
## 32418	+		+	+	+	+	3.442e+02	191.00000	21	-1909.314
## 24226	+		+	+	+	+		109.30000	20	-1910.563
## 7846	+		+	+	+	+			20	-1910.566
## 7842	+		+	+	+	+			19	-1911.810
## 10731	+	+			+		8.481e+01		22	-1908.096
## 16302	+	+	+	+	+	+	2.924e+02		23	-1906.828
## 23247	+		+		+	+		-83.81000	24	-1905.547
## 18919	+	+			+			-88.14000	22	-1908.107
## 31683	+	+	+		+	+	2.154e+02	-4.08600	24	-1905.563
## 19407	+	+	+		+			-73.86000	24	-1905.571
## 18667	+				+			-62.00000	21	-1909.381
## 28590	+	+	+	+	+		3.554e+02	58.97000	23	-1906.857
## 26083	+	+		+			-9.270e+01	110.80000	18	-1913.072
## 17895	+	+		+				135.40000	18	-1913.085
## 17899	+	+		+				132.20000	18	-1913.092
## 20134	+		+	+	+			67.52000	20	-1910.657
## 23011	+	+			+	+		-60.95000	22	-1908.167
## 11938	+		+	+	+		6.597e+01		19	-1911.896
## 1767	+		+	+					18	-1913.133
## 31435	+		+		+	+	2.946e+02	16.07000	24	-1905.640
## 2020	+	+	+	+					19	-1911.930
## 22499	+	+	+	+		+		95.27000	20	-1910.710
## 2280	+				+				21	-1909.473
## 9955	+		+	+			3.580e+01		18	-1913.193
## 1771	+		+	+					18	-1913.200
## 22244	+		+	+		+		90.06000	20	-1910.777
## 17603	+			+				142.40000	15	-1916.800
## 6116	+	+	+	+		+			20	-1910.791
## 22755	+				+	+		-84.46000	21	-1909.549
## 2287	+				+				21	-1909.556
## 22243	+		+	+		+		69.09000	19	-1912.027
## 26851	+				+		1.385e+02	-59.97000	21	-1909.570
## 18663	+				+			-108.40000	21	-1909.574
## 21956	+	+		+		+		193.90000	18	-1913.262
## 15311	+	+	+		+	+	2.954e+02		25	-1904.469
## 1511	+	+		+					17	-1914.469
## 1508	+	+		+					17	-1914.478
## 2023	+	+	+	+					19	-1912.063
## 17860	+	+		+				176.10000	17	-1914.481
## 14563	+				+	+	2.072e+02		21	-1909.593
## 23500	+	+	+		+	+		-18.99000	25	-1904.501

## 27107	+	+		+	-2.094e+00	-63.83000	22	-1908.354
## 5347	+			+	+		16	-1915.690
## 19408	+	+	+	+		-73.43000	25	-1904.512
## 10211	+	+	+	+	-1.173e+02		19	-1912.096
## 20386	+	+	+	+		101.20000	20	-1910.869
## 1515	+	+		+			17	-1914.519
## 6631	+	+		+	+		22	-1908.376
## 19169	+		+	+		-216.00000	18	-1913.327
## 1731	+		+	+			16	-1915.725
## 20387	+	+	+	+		176.50000	23	-1907.123
## 14819	+	+		+	7.292e+01		22	-1908.401
## 18371	+	+	+	+		132.50000	18	-1913.347
## 27595	+	+	+	+	2.407e+02	5.82900	24	-1905.854
## 12203	+	+	+	+	8.928e+01		24	-1905.864
## 23504	+	+	+	+	+	-64.66000	26	-1903.261
## 8107	+	+	+	+	+		24	-1905.879
## 31439	+		+	+	3.239e+02	-21.70000	25	-1904.581
## 6380	+			+	+		22	-1908.437
## 4015	+	+	+	+	+		24	-1905.892
## 21995	+	+		+	+	151.50000	19	-1912.173
## 18115	+		+	+		106.00000	17	-1914.596
## 21731	+			+	+	107.30000	17	-1914.597
## 22500	+	+	+	+	+	111.50000	21	-1909.710
## 6636	+	+		+	+		23	-1907.185
## 17863	+	+		+		186.80000	17	-1914.599
## 4006	+	+	+	+	+		20	-1910.957
## 2027	+	+	+	+			19	-1912.187
## 13795	+	+		+	-2.467e+02		18	-1913.408
## 10471	+			+	2.313e+02		21	-1909.729
## 23499	+	+	+	+	+	-27.89000	24	-1905.923
## 14564	+			+	1.787e+02		22	-1908.480
## 2243	+			+			18	-1913.427
## 31687	+	+	+	+	2.299e+02	-50.07000	25	-1904.646
## 2499	+	+		+			19	-1912.231
## 10727	+	+		+	9.922e+01		22	-1908.517
## 30179	+	+		+	-1.021e+02	119.00000	19	-1912.278
## 3747	+		+	+			21	-1909.807
## 6632	+	+		+	+		23	-1907.283
## 28579	+	+	+	+	3.726e+02	230.60000	24	-1906.005
## 5863	+		+	+	+		19	-1912.291
## 18148	+		+	+		72.29000	19	-1912.292
## 22756	+			+	+	-61.61000	22	-1908.578
## 28587	+	+	+	+	2.696e+02	152.10000	25	-1904.728
## 5864	+		+	+	+		20	-1911.085
## 17867	+	+		+		162.40000	17	-1914.736
## 26051	+	+		+	-2.139e+01	165.90000	17	-1914.746
## 12198	+	+	+	+	3.440e+02		21	-1909.865
## 21991	+	+		+	+	139.60000	19	-1912.344
## 23012	+	+		+	+	-41.83000	23	-1907.369
## 18404	+	+	+	+		95.34000	20	-1911.137
## 12194	+	+	+	+	2.412e+02		20	-1911.143
## 16038	+		+	+	2.232e+02		21	-1909.912
## 10476	+			+	1.964e+02		22	-1908.680
## 22212	+		+	+	+	134.40000	19	-1912.429

## 21699	+			+	+		151.60000	16	-1916.043
## 6119	+	+	+	+	+			20	-1911.220
## 11951	+		+	+	+	2.068e+02		24	-1906.176
## 22467	+	+	+	+	+		140.00000	19	-1912.458
## 5867	+		+	+	+			19	-1912.459
## 14051	+		+	+	+	1.830e+01		19	-1912.460
## 27596	+	+	+		+	2.479e+02	10.25000	25	-1904.885
## 14820	+	+			+	5.748e+01		23	-1907.468
## 1252	+			+				16	-1916.083
## 6376	+				+	+		22	-1908.760
## 5604	+	+		+	+			18	-1913.704
## 16043	+		+	+	+	1.873e+02		24	-1906.212
## 22211	+		+	+	+		113.70000	18	-1913.708
## 28327	+		+	+	+	4.388e+02	221.50000	24	-1906.218
## 3753	+		+	+	+			18	-1913.715
## 32422	+		+	+	+	3.762e+02	145.30000	22	-1908.780
## 32419	+		+	+	+	4.374e+02	227.70000	24	-1906.229
## 21732	+			+	+		127.40000	18	-1913.724
## 28582	+	+	+	+	+	4.839e+02	141.90000	22	-1908.789
## 14571	+				+	1.973e+02		22	-1908.789
## 32674	+	+	+	+	+	4.692e+02	179.70000	22	-1908.804
## 6639	+	+			+	+		23	-1907.535
## 18920	+	+			+		-77.10000	23	-1907.546
## 2544	+	+			+			23	-1907.561
## 24235	+		+	+	+	+	73.91000	24	-1906.285
## 14307	+	+	+	+		-1.361e+02		20	-1911.337
## 20143	+		+	+	+		82.41000	24	-1906.290
## 23503	+	+	+		+	+	-68.24000	25	-1904.996
## 6375	+				+	+		21	-1910.103
## 17636	+			+			108.40000	17	-1914.992
## 5827	+		+	+	+			17	-1915.009
## 27599	+	+	+		+	2.691e+02	-29.24000	25	-1905.017
## 10479	+				+	2.427e+02		22	-1908.873
## 5607	+	+		+	+			18	-1913.822
## 18664	+				+		-95.07000	22	-1908.885
## 1987	+	+	+	+				17	-1915.031
## 1768	+		+	+				19	-1912.614
## 24494	+	+	+	+	+	+	-2.65200	23	-1907.635
## 10472	+				+	2.213e+02		22	-1908.905
## 1255	+			+				16	-1916.255
## 9443	+			+		-3.792e+01		16	-1916.257
## 26852	+				+	1.442e+02	-42.69000	22	-1908.925
## 22468	+	+	+	+	+		156.00000	20	-1911.424
## 1259	+			+				16	-1916.266
## 18668	+				+		-55.31000	22	-1908.939
## 1772	+		+	+				19	-1912.669
## 32427	+		+	+	+	3.613e+02	151.90000	25	-1905.096
## 21959	+	+		+	+		191.20000	18	-1913.890
## 18927	+	+			+		-67.23000	23	-1907.697
## 28335	+		+	+	+	3.601e+02	155.90000	25	-1905.115
## 5868	+		+	+	+			20	-1911.467
## 18924	+	+			+		-36.06000	23	-1907.702
## 26339	+		+	+		1.292e+02	80.11000	19	-1912.707
## 19170	+		+		+		-202.70000	19	-1912.712



## 21700	+			+	+	171.50000	17	-1915.133
## 11945	+		+	+	+	2.588e+02	19	-1912.718
## 8098	+	+	+	+	+		20	-1911.490
## 24230	+		+	+	+	68.47000	21	-1910.249
## 10732	+	+			+	7.795e+01	23	-1907.729
## 6120	+	+	+	+	+		21	-1910.256
## 14052	+		+	+	+	-1.109e+00	20	-1911.504
## 9700	+	+		+		-2.311e+02	18	-1913.950
## 6123	+	+	+	+	+		20	-1911.511
## 2288	+				+		22	-1909.026
## 30147	+	+		+	+	-3.065e+01	174.20000	18 -1913.968
## 23019	+	+			+	-33.94000	23	-1907.757
## 9956	+		+	+		2.739e+01	19	-1912.755
## 21963	+	+		+	+	181.40000	18	-1913.971
## 18411	+	+	+	+		92.04000	20	-1911.540
## 2244	+				+		19	-1912.773
## 14827	+	+			+	7.459e+01	23	-1907.778
## 9707	+	+		+		-2.314e+02	18	-1913.990
## 26595	+	+	+	+		-2.254e+01	84.52000	20 -1911.549
## 18407	+	+	+	+		87.16000	20	-1911.554
## 5611	+	+		+	+		18	-1913.999
## 22763	+				+	-54.11000	22	-1909.062
## 19173	+		+		+	-263.50000	19	-1912.789
## 5348	+			+	+		17	-1915.209
## 27361	+		+		+	2.290e+02	-157.00000	19 -1912.797
## 18116	+		+	+		117.40000	18	-1914.012
## 27600	+	+	+		+	2.789e+02	-27.17000	26 -1903.910
## 17604	+			+		152.70000	16	-1916.410
## 9703	+	+		+		-2.174e+02	18	-1914.022
## 6383	+				+		22	-1909.089
## 26859	+				+	1.805e+02	-22.42000	22 -1909.091
## 17639	+			+		116.10000	17	-1915.243
## 10735	+	+			+	1.190e+02	23	-1907.833
## 10728	+	+			+	9.812e+01	23	-1907.835
## 18671	+				+	-85.45000	22	-1909.106
## 26084	+	+		+		-8.523e+01	119.40000	19 -1912.839
## 24491	+	+	+	+	+	99.96000	25	-1905.262
## 21996	+	+		+	+	160.20000	20	-1911.611
## 25827	+			+		9.938e+01	112.80000	17 -1915.265
## 27108	+	+			+	1.128e+01	-48.38000	23 -1907.851
## 30180	+	+		+	+	-9.175e+01	136.60000	20 -1911.621
## 18155	+		+	+		66.81000	19	-1912.850
## 20399	+	+	+	+	+	108.30000	25	-1905.273
## 17643	+			+		110.30000	17	-1915.273
## 31696	+	+	+		+	2.817e+02	-17.89000	27 -1902.640
## 17896	+	+		+		141.00000	19	-1912.858
## 23015	+	+			+	-87.82000	23	-1907.870
## 18151	+		+	+		62.11000	19	-1912.868
## 17900	+	+		+		134.70000	19	-1912.889
## 7855	+		+	+	+		24	-1906.621
## 21992	+	+		+	+	151.00000	20	-1911.690
## 18372	+	+	+	+		140.50000	19	-1912.920
## 1739	+		+	+			17	-1915.338
## 2024	+	+	+	+			20	-1911.694

## 31692	+	+	+		+	+	2.449e+02	24.12000	26	-1904.033
## 32686	+	+	+	+	+	+	3.591e+02	61.84000	24	-1906.653
## 10435	+				+		2.015e+02		19	-1912.947
## 1475	+	+		+					15	-1917.732
## 1732	+		+	+					17	-1915.372
## 17607	+			+				165.60000	16	-1916.576
## 2500	+	+			+				20	-1911.748
## 25795	+			+			1.496e+02	162.30000	16	-1916.585
## 5828	+		+	+		+			18	-1914.204
## 16034	+		+	+	+	+	5.364e+01		20	-1911.763
## 26087	+	+		+			-9.569e+01	123.50000	19	-1913.008
## 8102	+	+	+	+	+	+			21	-1910.551
## 2028	+	+	+	+					20	-1911.795
## 1219	+			+					14	-1918.975
## 20135	+		+	+	+			146.70000	23	-1908.031
## 24227	+		+	+	+	+		149.90000	23	-1908.032
## 24482	+	+	+	+	+	+		106.10000	21	-1910.559
## 27115	+	+			+		4.109e+01	-33.09000	23	-1908.040
## 10212	+	+	+	+			-1.141e+02		20	-1911.808
## 26091	+	+		+			-7.975e+01	119.90000	19	-1913.041
## 17903	+	+		+				142.30000	19	-1913.045
## 6640	+	+			+	+			24	-1906.769
## 14572	+				+	+	1.760e+02		23	-1908.058
## 22759	+				+	+		-108.00000	22	-1909.335
## 13796	+	+		+		+	-2.545e+02		19	-1913.062
## 22507	+	+	+	+		+		110.90000	21	-1910.592
## 3751	+		+	+	+				22	-1909.338
## 31691	+	+	+		+	+	2.376e+02	13.84000	25	-1905.489
## 14308	+	+	+	+		+	-1.368e+02		21	-1910.613
## 9959	+		+	+			6.022e+01		19	-1913.093
## 26307	+		+	+			1.709e+02	129.60000	18	-1914.315
## 27111	+	+			+		-7.048e-01	-88.26000	23	-1908.107
## 30436	+		+	+		+	1.204e+02	107.90000	21	-1910.634
## 26855	+				+		1.429e+02	-81.01000	22	-1909.387
## 30947	+				+	+	1.325e+02	-58.54000	22	-1909.389
## 30435	+		+	+		+	1.183e+02	86.55000	20	-1911.890
## 22251	+		+	+		+		86.05000	20	-1911.891
## 20390	+	+	+	+	+			70.71000	21	-1910.649
## 6083	+	+	+	+		+			18	-1914.341
## 1512	+	+		+					18	-1914.345
## 21739	+			+		+		130.10000	18	-1914.346
## 1775	+		+	+					19	-1913.132
## 17864	+	+		+				192.30000	18	-1914.359
## 6384	+				+	+			23	-1908.151
## 1735	+		+	+					17	-1915.570
## 1516	+	+		+					18	-1914.369
## 19174	+		+		+			-258.10000	20	-1911.929
## 10977	+		+		+		4.865e+02		18	-1914.374
## 31203	+	+			+	+	-8.329e+00	-62.39000	23	-1908.166
## 22503	+	+	+	+		+		88.06000	21	-1910.696
## 30691	+	+	+	+		+	-3.511e+01	91.09000	21	-1910.700
## 22248	+		+	+		+		74.34000	21	-1910.701
## 9963	+		+	+			3.649e+01		19	-1913.184
## 4003	+	+	+	+	+				22	-1909.458

## 16294	+	+	+	+	+	+	3.424e+02		22	-1909.464
## 17611	+			+				140.20000	16	-1916.799
## 6124	+	+	+	+		+			21	-1910.727
## 17868	+	+		+				164.40000	18	-1914.419
## 6339	+				+	+			19	-1913.205
## 5351	+			+		+			17	-1915.625
## 10215	+	+	+	+			-9.246e+01		20	-1911.987
## 23016	+	+			+	+		-72.58000	24	-1906.940
## 11939	+		+	+	+		1.638e+02		22	-1909.493
## 21960	+	+		+		+		202.50000	19	-1913.224
## 22760	+				+	+		-89.97000	23	-1908.231
## 22252	+		+	+		+		96.02000	21	-1910.757
## 1519	+	+		+					18	-1914.447
## 13539	+			+		+	-5.381e+01		17	-1915.657
## 14567	+				+	+	2.262e+02		22	-1909.513
## 22247	+		+	+		+		63.07000	20	-1912.016
## 14568	+				+	+	2.088e+02		23	-1908.252
## 21964	+	+		+		+		189.70000	19	-1913.255
## 6595	+	+			+	+			20	-1912.028
## 30148	+	+		+		+	-2.125e+01	191.40000	19	-1913.258
## 26052	+	+		+			-1.417e+01	174.50000	18	-1914.480
## 19425	+	+	+		+			-203.80000	19	-1913.267
## 19177	+		+		+			-202.30000	19	-1913.271
## 5355	+			+		+			17	-1915.689
## 1995	+	+	+	+					18	-1914.492
## 10219	+	+	+	+			-1.188e+02		20	-1912.054
## 14823	+	+			+	+	9.341e+01		23	-1908.289
## 2031	+	+	+	+					20	-1912.056
## 27365	+		+		+		2.713e+02	-202.30000	20	-1912.059
## 23265	+		+		+	+		-214.70000	19	-1913.300
## 29923	+			+		+	9.150e+01	120.80000	18	-1914.517
## 9923	+		+	+			1.435e+01		17	-1915.723
## 18379	+	+	+	+				123.00000	19	-1913.310
## 4009	+	+	+	+	+				19	-1913.311
## 22764	+				+	+		-41.53000	23	-1908.318
## 21735	+			+		+		120.20000	18	-1914.537
## 13799	+	+		+		+	-2.282e+02		19	-1913.327
## 18375	+	+	+	+				140.30000	19	-1913.328
## 31695	+	+	+		+	+	2.688e+02	-23.67000	26	-1904.440
## 26563	+	+	+	+			3.261e+01	136.00000	19	-1913.338
## 1483	+	+		+					16	-1916.947
## 26340	+		+	+			1.336e+02	92.27000	20	-1912.119
## 12207	+	+	+	+	+		1.141e+02		25	-1905.773
## 18123	+		+	+				97.82000	18	-1914.569
## 18119	+		+	+				115.00000	18	-1914.572
## 30187	+	+		+		+	-7.427e+01	140.00000	20	-1912.128
## 22504	+	+	+	+		+		95.69000	22	-1909.633
## 17871	+	+		+				179.70000	18	-1914.575
## 2503	+	+			+				20	-1912.139
## 16299	+	+	+	+	+	+	9.450e+01		25	-1905.792
## 26055	+	+		+			-2.843e+01	183.80000	18	-1914.592
## 10691	+	+			+		8.971e+01		20	-1912.150
## 10480	+				+		2.325e+02		23	-1908.397
## 32678	+	+	+	+	+	+	4.814e+02	141.00000	23	-1908.398

## 13803	+	+		+		+	-2.473e+02		19	-1913.394
## 21999	+	+		+		+		155.00000	20	-1912.167
## 20391	+	+	+	+	+			173.00000	24	-1907.120
## 24483	+	+	+	+	+	+		176.70000	24	-1907.123
## 18883	+	+			+			25.39000	20	-1912.174
## 5608	+	+		+		+			19	-1913.403
## 30948	+				+	+	1.353e+02	-35.05000	23	-1908.409
## 30404	+		+	+		+	1.606e+02	156.40000	20	-1912.176
## 2247	+				+				19	-1913.405
## 27362	+		+		+		2.285e+02	-143.80000	20	-1912.181
## 22508	+	+	+	+		+		117.50000	22	-1909.690
## 2507	+	+			+				20	-1912.189
## 16290	+	+	+	+	+	+	2.337e+02		21	-1910.950
## 8111	+	+	+	+	+	+			25	-1905.845
## 2251	+				+				19	-1913.425
## 14828	+	+			+	+	6.106e+01		24	-1907.146
## 23020	+	+			+	+		-23.63000	24	-1907.146
## 18627	+				+			1.43300	19	-1913.427
## 29891	+			+		+	1.417e+02	170.30000	17	-1915.848
## 14575	+				+	+	2.369e+02		23	-1908.436
## 30692	+	+	+	+		+	-1.546e+01	109.60000	22	-1909.708
## 6340	+				+	+			20	-1912.207
## 1740	+		+	+					18	-1914.671
## 30403	+		+	+		+	1.590e+02	135.50000	19	-1913.464
## 5871	+		+	+		+			20	-1912.242
## 21703	+			+		+		169.90000	17	-1915.897
## 30183	+	+		+		+	-1.037e+02	126.70000	20	-1912.253
## 14824	+	+			+	+	8.759e+01		24	-1907.206
## 14055	+		+	+		+	5.153e+01		20	-1912.262
## 10978	+		+		+		4.602e+02		19	-1913.491
## 5831	+		+	+		+			18	-1914.724
## 26059	+	+		+			-3.314e+01	157.50000	18	-1914.727
## 18156	+		+	+				69.56000	20	-1912.288
## 18152	+		+	+				68.92000	20	-1912.289
## 7843	+		+	+	+	+			22	-1909.801
## 14056	+		+	+		+	4.666e+01		21	-1911.061
## 5872	+		+	+		+			21	-1911.085
## 1991	+	+	+	+					18	-1914.773
## 5835	+		+	+		+			18	-1914.776
## 28583	+	+	+	+	+		3.742e+02	224.50000	25	-1905.994
## 23023	+	+			+	+		-62.47000	24	-1907.295
## 1988	+	+	+	+					18	-1914.793
## 32675	+	+	+	+	+	+	3.727e+02	230.50000	25	-1906.005
## 10436	+				+		1.856e+02		20	-1912.365
## 32683	+	+	+	+	+	+	2.697e+02	149.70000	26	-1904.705
## 14311	+	+	+	+		+	-1.027e+02		21	-1911.125
## 18928	+	+			+			-62.80000	24	-1907.318
## 18408	+	+	+	+				91.48000	21	-1911.132
## 21707	+			+		+		159.60000	17	-1916.021
## 18412	+	+	+	+				92.93000	21	-1911.133
## 26596	+	+	+	+			-7.643e+00	94.41000	21	-1911.136
## 1260	+			+					17	-1916.030
## 28591	+	+	+	+	+		2.681e+02	154.60000	26	-1904.726
## 21740	+			+		+		141.00000	19	-1913.618

## 27366	+		+		+	2.790e+02	-195.00000	21	-1911.150
## 1256	+			+				17	-1916.041
## 7849	+		+	+	+			19	-1913.624
## 3757	+		+	+	+			19	-1913.628
## 22220	+		+	+	+		126.00000	20	-1912.400
## 18672	+				+		-79.79000	23	-1908.634
## 22216	+		+	+	+		126.70000	20	-1912.409
## 5832	+		+	+	+			19	-1913.638
## 5612	+	+		+	+			19	-1913.640
## 29924	+			+	+	9.232e+01	141.10000	19	-1913.641
## 9444	+			+		-4.579e+01		17	-1916.059
## 9667	+	+		+		-2.238e+02		16	-1917.252
## 31204	+	+			+	5.126e+00	-40.92000	24	-1907.369
## 5836	+		+	+	+			19	-1913.652
## 26860	+				+	1.751e+02	-17.04000	23	-1908.665
## 1227	+			+				15	-1918.451
## 5571	+	+		+	+			16	-1917.276
## 6127	+	+	+	+	+			21	-1911.198
## 28329	+		+	+	+	3.505e+02	75.67000	20	-1912.442
## 26856	+				+	1.496e+02	-66.24000	23	-1908.678
## 25828	+			+		1.016e+02	123.50000	18	-1914.893
## 10179	+	+	+	+		-1.207e+02		18	-1914.897
## 30659	+	+	+	+	+	1.890e+01	142.10000	20	-1912.455
## 14059	+		+	+	+	1.754e+01		20	-1912.455
## 14831	+	+			+	1.141e+02		24	-1907.405
## 22475	+	+	+	+	+		141.70000	20	-1912.457
## 22767	+				+		-80.44000	23	-1908.690
## 22471	+	+	+	+	+		140.80000	20	-1912.458
## 17640	+			+			123.60000	18	-1914.906
## 20137	+		+	+	+		-15.05000	19	-1913.699
## 22219	+		+	+	+		116.90000	19	-1913.705
## 21736	+			+	+		134.10000	19	-1913.706
## 22215	+		+	+	+		115.50000	19	-1913.707
## 16047	+		+	+	+	2.087e+02		25	-1906.131
## 5315	+			+	+			15	-1918.493
## 10736	+	+			+	1.141e+02		24	-1907.430
## 26308	+		+	+		1.751e+02	141.70000	19	-1913.716
## 29892	+			+	+	1.416e+02	190.20000	18	-1914.937
## 6084	+	+	+	+	+			19	-1913.724
## 6596	+	+			+			21	-1911.261
## 11943	+		+	+	+	2.310e+02		23	-1908.752
## 17644	+			+			114.00000	18	-1914.971
## 23266	+		+		+		-197.00000	20	-1912.532
## 16041	+		+	+	+	2.712e+02		20	-1912.542
## 25796	+			+		1.513e+02	172.90000	17	-1916.189
## 30955	+				+	1.787e+02	-15.00000	23	-1908.777
## 26863	+				+	1.925e+02	-44.89000	23	-1908.778
## 10985	+		+		+	4.235e+02		19	-1913.789
## 14019	+		+	+	+	-3.137e+00		18	-1915.009
## 32423	+		+	+	+	4.388e+02	221.50000	25	-1906.218
## 1776	+		+	+				20	-1912.568
## 19181	+		+		+		-244.50000	20	-1912.574
## 9960	+		+	+		5.951e+01		20	-1912.576
## 14315	+	+	+	+	+	-1.362e+02		21	-1911.336

## 17608	+			+			172.90000	17	-1916.230
## 5615	+	+		+	+			19	-1913.821
## 9708	+	+		+		-2.351e+02		19	-1913.823
## 27112	+	+			+	1.363e+01	-74.71000	24	-1907.544
## 9447	+			+		-2.971e+01		17	-1916.245
## 5352	+			+	+			18	-1915.047
## 9451	+			+		-3.751e+01		17	-1916.249
## 1263	+			+				17	-1916.251
## 19429	+	+	+		+		-248.40000	20	-1912.614
## 24239	+		+	+	+		81.02000	25	-1906.267
## 21704	+			+	+		183.60000	18	-1915.062
## 14576	+				+	2.202e+02		24	-1907.584
## 22476	+	+	+	+	+		147.30000	21	-1911.394
## 4007	+	+	+	+	+			23	-1908.869
## 18124	+		+	+			99.48000	19	-1913.870
## 22472	+	+	+	+	+		148.30000	21	-1911.403
## 30151	+	+		+	+	-3.569e+01	187.50000	19	-1913.879
## 30660	+	+	+	+	+	3.815e+01	160.20000	21	-1911.412
## 9964	+		+	+		2.848e+01		20	-1912.659
## 21967	+	+		+	+		193.00000	19	-1913.888
## 26347	+		+	+		1.398e+02	90.53000	20	-1912.666
## 9704	+	+		+		-2.164e+02		19	-1913.902
## 1736	+		+	+				18	-1915.126
## 14312	+	+	+	+	+	-8.866e+01		22	-1910.185
## 21708	+			+	+		170.10000	18	-1915.132
## 2252	+				+			20	-1912.689
## 10945	+		+		+	4.577e+02		17	-1916.339
## 19426	+	+	+		+		-196.10000	20	-1912.693
## 25835	+			+		1.196e+02	130.80000	18	-1915.140
## 6087	+	+	+	+	+			19	-1913.925
## 2248	+				+			20	-1912.699
## 28300	+		+	+	+	4.611e+02	278.90000	24	-1907.650
## 13540	+			+	+	-7.150e+01		18	-1915.150
## 26343	+		+	+		1.293e+02	79.92000	20	-1912.707
## 11949	+		+	+	+	2.691e+02		20	-1912.709
## 14060	+		+	+	+	8.953e-02		21	-1911.467
## 19178	+		+		+		-201.70000	20	-1912.712
## 12201	+	+	+	+	+	2.475e+02		20	-1912.714
## 25831	+			+		9.339e+01	129.10000	18	-1915.160
## 17612	+			+			143.20000	17	-1916.371
## 1479	+	+		+				16	-1917.563
## 27119	+	+			+	5.083e+01	-57.39000	24	-1907.677
## 23269	+		+		+		-263.30000	20	-1912.731
## 27369	+		+		+	2.306e+02	-142.00000	20	-1912.733
## 1996	+	+	+	+				19	-1913.962
## 17647	+			+			125.10000	18	-1915.180
## 30155	+	+		+	+	-2.633e+01	177.50000	19	-1913.965
## 27116	+	+			+	4.131e+01	-27.84000	24	-1907.689
## 5356	+			+	+			18	-1915.186
## 25799	+			+		1.393e+02	182.60000	17	-1916.390
## 24486	+	+	+	+	+		70.15000	22	-1910.247
## 18628	+				+		17.40000	20	-1912.746
## 9711	+	+		+		-2.235e+02		19	-1913.978
## 6128	+	+	+	+	+			22	-1910.254

## 32431	+		+	+	+	+	3.600e+02	154.50000	26	-1905.093
## 6091	+	+	+	+		+			19	-1913.985
## 14531	+				+	+	1.935e+02		20	-1912.763
## 27617	+	+	+		+		2.559e+02	-158.30000	20	-1912.776
## 18120	+		+	+				121.80000	19	-1914.006
## 18380	+	+	+	+				122.80000	20	-1912.779
## 9675	+	+		+			-2.325e+02		17	-1916.426
## 26603	+	+	+	+			-1.575e+01	89.81000	21	-1911.538
## 31457	+		+		+	+	2.267e+02	-156.60000	20	-1912.782
## 18415	+	+	+	+				91.16000	21	-1911.540
## 26599	+	+	+	+			-2.259e+01	84.66000	21	-1911.549
## 26088	+	+		+			-8.806e+01	130.00000	20	-1912.792
## 31211	+	+			+	+	4.079e+01	-25.82000	24	-1907.744
## 26819	+				+		2.606e+02	45.10000	20	-1912.800
## 30188	+	+		+		+	-7.504e+01	148.60000	21	-1911.565
## 2508	+	+			+				21	-1911.579
## 2504	+	+			+				21	-1911.587
## 23270	+		+		+	+		-256.40000	21	-1911.589
## 1220	+			+					15	-1918.845
## 26092	+	+		+			-8.092e+01	122.30000	20	-1912.836
## 1476	+	+		+					16	-1917.673
## 10439	+				+		2.239e+02		20	-1912.845
## 1743	+		+	+					18	-1915.292
## 18159	+		+	+				66.92000	20	-1912.850
## 17904	+	+		+				143.90000	20	-1912.850
## 22000	+	+		+		+		160.80000	21	-1911.611
## 30184	+	+		+		+	-9.250e+01	139.40000	21	-1911.617
## 18884	+	+			+			38.52000	21	-1911.618
## 2032	+	+	+	+					21	-1911.630
## 10216	+	+	+	+			-8.208e+01		21	-1911.634
## 3745	+		+	+	+				17	-1916.535
## 9931	+		+	+			2.148e+01		18	-1915.333
## 22768	+				+	+		-70.38000	24	-1907.845
## 1223	+			+					15	-1918.913
## 26564	+	+	+	+			4.757e+01	145.80000	20	-1912.901
## 13800	+	+		+		+	-2.291e+02		20	-1912.901
## 24495	+	+	+	+	+	+		106.90000	26	-1905.245
## 10220	+	+	+	+			-1.164e+02		21	-1911.667
## 18376	+	+	+	+				144.60000	20	-1912.914
## 31207	+	+			+	+	-7.617e+00	-89.14000	24	-1907.869
## 10692	+	+			+		8.323e+01		21	-1911.678
## 17615	+			+				161.50000	17	-1916.568
## 9924	+		+	+			6.430e+00		18	-1915.372
## 9411	+			+			-5.360e+01		15	-1918.942
## 30951	+				+	+	1.367e+02	-81.83000	23	-1909.163
## 14275	+	+	+	+		+	-1.395e+02		19	-1914.163
## 23024	+	+			+	+		-54.22000	25	-1906.587
## 25803	+			+			1.530e+02	165.40000	17	-1916.583
## 10443	+				+		2.023e+02		20	-1912.942
## 30443	+		+	+		+	1.398e+02	109.80000	21	-1911.705
## 14020	+		+	+		+	-2.171e+01		19	-1914.198
## 29931	+			+		+	1.231e+02	151.20000	19	-1914.204
## 13804	+	+		+		+	-2.570e+02		20	-1912.986
## 26095	+	+		+			-8.482e+01	130.00000	20	-1912.987

## 5579	+	+		+	+			17	-1916.636
## 14832	+	+			+	+	1.050e+02	25	-1906.657
## 10946	+		+		+		4.312e+02	18	-1915.461
## 27373	+		+		+		2.826e+02	-178.30000	21 -1911.783
## 6088	+	+	+	+		+		20	-1913.041
## 1484	+	+		+				17	-1916.688
## 30440	+		+	+		+	1.257e+02	91.69000	22 -1910.546
## 14316	+	+	+	+		+	-1.378e+02		22 -1910.546
## 17872	+	+		+				180.20000	19 -1914.283
## 1520	+	+		+					19 -1914.284
## 22511	+	+	+	+		+		101.40000	22 -1910.558
## 6092	+	+	+	+		+			20 -1913.059
## 10981	+		+		+		5.236e+02		19 -1914.288
## 28321	+		+	+	+		3.838e+02	178.60000	19 -1914.294
## 19430	+	+	+		+			-246.60000	21 -1911.824
## 26311	+		+	+			1.683e+02	136.10000	19 -1914.301
## 13763	+	+		+		+	-2.399e+02		17 -1916.724
## 24231	+		+	+	+	+		146.80000	24 -1908.029
## 26315	+		+	+			1.667e+02	125.30000	19 -1914.310
## 30699	+	+	+	+		+	-1.417e+01	108.80000	22 -1910.590
## 21743	+			+		+		137.80000	19 -1914.317
## 30444	+		+	+		+	1.306e+02	118.10000	22 -1910.593
## 9967	+		+	+			6.019e+01		20 -1913.093
## 30952	+				+	+	1.409e+02	-62.90000	24 -1908.047
## 9927	+		+	+			4.748e+01		18 -1915.546
## 7847	+		+	+	+	+			23 -1909.338
## 22255	+		+	+		+		77.37000	21 -1911.864
## 30956	+				+	+	1.706e+02	-4.39600	24 -1908.057
## 19182	+		+		+			-248.20000	21 -1911.869
## 12195	+	+	+	+	+		1.083e+02		23 -1909.348
## 30439	+		+	+		+	1.204e+02	79.63000	21 -1911.876
## 10187	+	+	+	+			-1.255e+02		19 -1914.346
## 14532	+				+	+	1.673e+02		21 -1911.877
## 15073	+		+		+	+	4.830e+02		19 -1914.352
## 26056	+	+		+			-2.091e+01	190.10000	19 -1914.355
## 6599	+	+			+	+			21 -1911.900
## 11233	+	+	+		+		4.960e+02		19 -1914.372
## 6343	+				+	+			20 -1913.162
## 13543	+			+		+	-3.834e+01		18 -1915.609
## 22256	+		+	+		+		80.65000	22 -1910.669
## 5359	+			+		+			18 -1915.611
## 1999	+	+	+	+					19 -1914.396
## 8105	+	+	+	+	+	+			20 -1913.169
## 26060	+	+		+			-3.644e+01	159.00000	19 -1914.409
## 30695	+	+	+	+		+	-3.304e+01	84.42000	22 -1910.687
## 22979	+	+			+	+		27.71000	21 -1911.959
## 22723	+				+	+		3.93000	20 -1913.203
## 14787	+	+			+	+	8.141e+01		21 -1911.961
## 6347	+				+	+			20 -1913.204
## 13547	+			+		+	-5.413e+01		18 -1915.655
## 21968	+	+		+		+		197.80000	20 -1913.213
## 8099	+	+	+	+	+	+			23 -1909.449
## 10223	+	+	+	+			-9.589e+01		21 -1911.975
## 30152	+	+		+		+	-2.488e+01	199.80000	20 -1913.218



## 1992	+	+	+	+						19	-1914.450
## 23273	+		+		+	+		-198.90000		20	-1913.230
## 27075	+	+			+		1.505e+02	47.20000		21	-1911.988
## 19433	+	+	+		+			-195.40000		20	-1913.234
## 29927	+			+		+	8.744e+01	132.30000		19	-1914.463
## 10982	+		+		+		5.221e+02			20	-1913.235
## 10986	+		+		+		4.215e+02			20	-1913.240
## 23521	+	+	+		+	+		-203.00000		20	-1913.244
## 16035	+		+	+	+	+	1.662e+02			23	-1909.479
## 30156	+	+		+		+	-2.954e+01	185.40000		20	-1913.248
## 6603	+	+			+	+				21	-1912.007
## 5323	+			+		+				16	-1918.089
## 10695	+	+			+		1.130e+02			21	-1912.016
## 31461	+		+		+	+	2.684e+02	-202.80000		21	-1912.016
## 1228	+			+						16	-1918.097
## 1487	+	+		+						17	-1916.915
## 31458	+		+		+	+	2.210e+02	-140.60000		21	-1912.036
## 29895	+			+		+	1.339e+02	186.20000		18	-1915.724
## 6344	+				+	+				21	-1912.041
## 18383	+	+	+	+				131.20000		20	-1913.285
## 15074	+		+		+	+	4.450e+02			20	-1913.286
## 31208	+	+			+	+	7.132e+00	-71.33000		25	-1906.939
## 4013	+	+	+	+	+					20	-1913.295
## 27621	+	+	+		+		2.716e+02	-202.30000		21	-1912.059
## 26571	+	+	+	+			1.972e+01	125.70000		20	-1913.307
## 20393	+	+	+	+	+			7.96100		20	-1913.307
## 18127	+		+	+				106.90000		19	-1914.539
## 5316	+			+		+				16	-1918.146
## 26567	+	+	+	+			2.950e+01	143.20000		20	-1913.321
## 13807	+	+		+		+	-2.290e+02			20	-1913.326
## 20108	+		+	+	+			185.50000		23	-1909.563
## 26063	+	+		+			-4.417e+01	173.70000		19	-1914.560
## 26820	+				+		2.650e+02	62.07000		21	-1912.093
## 20129	+		+	+	+			85.97000		18	-1915.781
## 5840	+		+	+		+				20	-1913.341
## 31462	+		+		+	+	2.723e+02	-194.90000		22	-1910.845
## 10989	+		+		+		4.907e+02			20	-1913.345
## 29899	+			+		+	1.577e+02	185.80000		18	-1915.790
## 27618	+	+	+		+		2.801e+02	-145.70000		21	-1912.105
## 10699	+	+			+		8.840e+01			21	-1912.110
## 26344	+		+	+			1.352e+02	87.63000		21	-1912.112
## 26348	+		+	+			1.335e+02	92.18000		21	-1912.119
## 30191	+	+		+		+	-7.642e+01	143.90000		21	-1912.120
## 5575	+	+		+		+				17	-1917.008
## 1744	+		+	+						19	-1914.592
## 18887	+	+			+			15.32000		21	-1912.122
## 2511	+	+			+					21	-1912.123
## 22512	+	+	+	+		+		102.00000		23	-1909.600
## 26864	+				+		1.875e+02	-40.39000		24	-1908.320
## 16303	+	+	+	+	+	+	1.155e+02			26	-1905.724
## 22724	+				+	+		26.66000		21	-1912.144
## 6348	+				+	+				21	-1912.145
## 30408	+		+	+		+	1.642e+02	147.50000		21	-1912.145
## 5616	+	+		+		+				20	-1913.391

## 5839	+		+	+	+			19	-1914.621
## 30696	+	+	+	+	+	-9.721e+00	94.61000	23	-1909.632
## 18631	+				+		-5.67400	20	-1913.403
## 18891	+	+			+		19.55000	21	-1912.162
## 2255	+				+			20	-1913.405
## 30959	+				+	1.923e+02	-39.91000	24	-1908.361
## 30412	+		+	+	+	1.559e+02	151.60000	21	-1912.169
## 5572	+	+		+	+			17	-1917.061
## 27370	+		+		+	2.288e+02	-141.90000	21	-1912.180
## 10440	+				+	2.146e+02		21	-1912.182
## 18635	+				+		-1.17400	20	-1913.425
## 10180	+	+	+	+		-1.178e+02		19	-1914.666
## 9932	+		+	+		1.297e+01		19	-1914.669
## 30411	+		+	+	+	1.673e+02	144.60000	20	-1913.442
## 21711	+			+	+		174.90000	18	-1915.886
## 11234	+	+	+		+	5.020e+02		20	-1913.447
## 14063	+		+	+	+	5.486e+01		21	-1912.209
## 30700	+	+	+	+	+	-7.330e+00	116.40000	23	-1909.689
## 30407	+		+	+	+	1.590e+02	135.50000	20	-1913.464
## 24487	+	+	+	+	+		173.10000	25	-1907.119
## 10183	+	+	+	+		-8.743e+01		19	-1914.706
## 14023	+		+	+	+	3.872e+01		19	-1914.708
## 6600	+	+			+	+		22	-1910.984
## 31212	+	+			+	4.097e+01	-15.48000	25	-1907.133
## 32396	+		+	+	+	4.561e+02	290.80000	25	-1907.144
## 29932	+			+	+	1.142e+02	160.50000	20	-1913.495
## 7853	+		+	+	+			20	-1913.498
## 10444	+				+	1.872e+02		21	-1912.274
## 18160	+		+	+			66.80000	21	-1912.285
## 9671	+	+		+		-2.051e+02		17	-1917.177
## 5319	+			+	+			16	-1918.366
## 9668	+	+		+		-2.254e+02		17	-1917.186
## 14276	+	+	+	+	+	-1.402e+02		20	-1913.542
## 14027	+		+	+	+	4.254e+00		19	-1914.775
## 32425	+		+	+	+	3.551e+02	70.42000	21	-1912.306
## 27374	+		+		+	2.850e+02	-181.40000	22	-1911.059
## 14064	+		+	+	+	4.675e+01		22	-1911.061
## 9452	+			+		-4.595e+01		18	-1916.005
## 1264	+			+				18	-1916.006
## 22980	+	+			+		46.77000	22	-1911.071
## 9448	+			+		-3.331e+01		18	-1916.029
## 25832	+			+		9.645e+01	137.10000	19	-1914.817
## 9419	+			+		-4.785e+01		16	-1918.425
## 25800	+			+		1.422e+02	190.40000	18	-1916.035
## 24233	+		+	+	+		-20.70000	20	-1913.595
## 13507	+			+	+	-6.854e+01		16	-1918.440
## 14319	+	+	+	+	+	-9.915e+01		22	-1911.110
## 21744	+			+	+		145.00000	20	-1913.610
## 1231	+			+				16	-1918.449
## 13771	+	+		+	+	-2.452e+02		18	-1916.057
## 6604	+	+			+			22	-1911.125
## 25836	+			+		1.135e+02	133.40000	19	-1914.851
## 31215	+	+			+	5.191e+01	-52.41000	25	-1907.274
## 14024	+		+	+	+	3.381e+01		20	-1913.625

## 22224	+		+	+	+	119.90000	21	-1912.385
## 18416	+	+	+	+		89.66000	22	-1911.129
## 29928	+			+	+	9.023e+01	146.70000	20 -1913.627
## 20141	+		+	+	+	0.72580	20	-1913.628
## 26604	+	+	+	+		-1.159e+01	91.28000	22 -1911.132
## 26600	+	+	+	+		-6.235e+00	90.78000	22 -1911.132
## 27622	+	+	+		+	3.030e+02	-195.00000	22 -1911.133
## 26316	+		+	+		1.585e+02	125.60000	20 -1913.635
## 27120	+	+			+	5.143e+01	-52.84000	25 -1907.297
## 12199	+	+	+	+	+	1.742e+02		24 -1908.597
## 14028	+		+	+	+	-1.407e+01		20 -1913.649
## 29896	+			+	+	1.364e+02	200.30000	19 -1914.881
## 32679	+	+	+	+	+	3.742e+02	224.50000	26 -1905.994
## 27329	+		+		+	3.640e+02	-54.39000	18 -1916.107
## 17648	+			+			127.40000	19 -1914.893
## 28333	+		+	+	+	3.468e+02	78.55000	21 -1912.438
## 28585	+	+	+	+	+	3.444e+02	75.42000	21 -1912.441
## 32687	+	+	+	+	+	2.677e+02	153.10000	27 -1904.700
## 30667	+	+	+	+	+	2.198e+01	144.70000	21 -1912.453
## 30663	+	+	+	+	+	1.867e+01	142.60000	21 -1912.455
## 11241	+	+	+		+	4.792e+02		20 -1913.698
## 22479	+	+	+	+	+		142.20000	21 -1912.457
## 9676	+	+		+		-2.374e+02		18 -1916.143
## 23277	+		+		+		-241.60000	21 -1912.461
## 3749	+		+	+	+			18 -1916.147
## 22223	+		+	+	+		118.10000	20 -1913.704
## 29900	+			+	+	1.460e+02	194.20000	19 -1914.933
## 19437	+	+	+		+		-235.30000	21 -1912.465
## 14788	+	+			+	6.756e+01		22 -1911.215
## 26312	+		+	+		1.742e+02	143.80000	20 -1913.714
## 5580	+	+		+	+			18 -1916.166
## 15081	+		+		+	4.151e+02		20 -1913.728
## 17616	+			+			162.60000	18 -1916.176
## 25804	+			+		1.443e+02	166.90000	18 -1916.178
## 6095	+	+	+	+	+			20 -1913.758
## 23522	+	+	+		+		-192.50000	21 -1912.522
## 23274	+		+		+		-194.30000	21 -1912.529
## 9968	+		+	+		5.598e+01		21 -1912.534
## 16297	+	+	+	+	+	2.553e+02		21 -1912.535
## 16045	+		+	+	+	2.745e+02		21 -1912.541
## 13544	+			+	+	-4.740e+01		19 -1915.022
## 9455	+			+		-3.077e+01		18 -1916.241
## 14283	+	+	+	+	+	-1.411e+02		20 -1913.802
## 16039	+		+	+	+	2.311e+02		24 -1908.752
## 23525	+	+	+		+		-248.50000	21 -1912.561
## 9712	+	+		+		-2.256e+02		20 -1913.805
## 10949	+		+		+	4.944e+02		18 -1916.256
## 5360	+			+	+			19 -1915.045
## 10188	+	+	+	+		-1.224e+02		20 -1913.823
## 1480	+	+		+				17 -1917.472
## 19137	+		+		+		-137.60000	17 -1917.474
## 5324	+			+	+			17 -1917.475
## 21712	+			+	+		181.10000	19 -1915.059
## 2000	+	+	+	+				20 -1913.832

## 25839	+			+		1.121e+02	142.90000	19	-1915.064
## 14279	+	+	+	+		+ -9.788e+01		20	-1913.841
## 30915	+				+	+ 2.540e+02	46.31000	21	-1912.607
## 18128	+		+	+			105.20000	20	-1913.858
## 10953	+		+		+	4.416e+02		18	-1916.303
## 15041	+		+		+	+ 4.536e+02		18	-1916.308
## 14535	+				+	+ 2.186e+02		21	-1912.628
## 9928	+		+	+		4.666e+01		19	-1915.102
## 22480	+	+	+	+			141.30000	22	-1911.378
## 30159	+	+		+		+ -3.463e+01	188.20000	20	-1913.879
## 30668	+	+	+	+		+ 2.759e+01	151.10000	22	-1911.388
## 30960	+				+	+ 1.853e+02	-31.47000	25	-1907.537
## 30664	+	+	+	+		+ 4.188e+01	152.50000	22	-1911.389
## 11201	+	+	+		+	4.760e+02		18	-1916.331
## 2256	+				+			21	-1912.647
## 27076	+	+			+	1.629e+02	62.51000	22	-1911.400
## 13548	+			+		+ -7.125e+01		19	-1915.127
## 26351	+		+	+		1.406e+02	88.87000	21	-1912.664
## 11937	+		+	+	+	1.076e+02		18	-1916.351
## 1224	+			+				16	-1918.751
## 27625	+	+	+		+	2.769e+02	-139.80000	21	-1912.677
## 6096	+	+	+	+				21	-1912.678
## 8103	+	+	+	+	+			24	-1908.869
## 10990	+		+		+	4.965e+02		21	-1912.686
## 18636	+				+		4.82300	21	-1912.687
## 28304	+		+	+	+	4.532e+02	290.10000	25	-1907.582
## 19434	+	+	+		+		-196.80000	21	-1912.693
## 18632	+				+		7.45200	21	-1912.695
## 25807	+			+		1.396e+02	182.80000	18	-1916.390
## 12205	+	+	+	+	+	2.571e+02		21	-1912.704
## 14320	+	+	+	+		+ -9.046e+01		23	-1910.180
## 31465	+		+		+	+ 2.277e+02	-140.10000	21	-1912.707
## 28556	+	+	+	+	+	4.304e+02	278.90000	25	-1907.605
## 10696	+	+			+	1.122e+02		22	-1911.465
## 9412	+			+		-6.039e+01		16	-1918.804
## 2512	+	+			+			22	-1911.482
## 9679	+	+		+		-2.312e+02		18	-1916.425
## 10950	+		+		+	4.930e+02		19	-1915.212
## 23278	+		+		+		-243.40000	22	-1911.489
## 26823	+				+	2.644e+02	36.54000	21	-1912.759
## 31713	+	+	+		+	+ 2.541e+02	-158.00000	21	-1912.760
## 15042	+		+		+	+ 4.153e+02		19	-1915.232
## 23526	+	+	+		+		-246.30000	22	-1911.506
## 14539	+				+	+ 1.937e+02		21	-1912.763
## 18384	+	+	+	+			128.10000	21	-1912.768
## 10700	+	+			+	7.940e+01		22	-1911.516
## 7841	+		+	+	+			18	-1916.458
## 26572	+	+	+	+		2.304e+01	125.90000	21	-1912.775
## 26827	+				+	2.717e+02	54.97000	21	-1912.780
## 18888	+	+			+		26.19000	22	-1911.535
## 26096	+	+		+		-8.552e+01	131.40000	21	-1912.791
## 13764	+	+		+		+ -2.465e+02		18	-1916.478
## 18892	+	+			+		24.07000	22	-1911.538
## 26607	+	+	+	+		-1.539e+01	89.17000	22	-1911.538

## 30916	+			+	+	2.547e+02	69.19000	22	-1911.539
## 9935	+		+	+		4.070e+01		19	-1915.274
## 4001	+	+	+	+	+			18	-1916.500
## 10224	+	+	+	+		-8.964e+01		22	-1911.559
## 20364	+	+	+	+	+		205.50000	24	-1909.009
## 9415	+			+		-3.778e+01		16	-1918.898
## 30192	+	+		+	+	-7.565e+01	149.70000	22	-1911.564
## 24204	+		+	+	+		198.90000	24	-1909.025
## 14536	+				+	2.023e+02		22	-1911.579
## 10447	+				+	2.240e+02		21	-1912.844
## 27330	+		+		+	3.591e+02	-42.56000	19	-1915.320
## 2793	+		+		+			18	-1916.542
## 5583	+	+		+	+			18	-1916.551
## 14284	+	+	+	+	+	-1.426e+02		21	-1912.870
## 13808	+	+		+	+	-2.339e+02		21	-1912.872
## 28577	+	+	+	+	+	4.584e+02	171.60000	20	-1914.124
## 13767	+	+		+	+	-2.151e+02		18	-1916.582
## 26568	+	+	+	+		4.592e+01	149.20000	21	-1912.897
## 30447	+		+	+	+	1.451e+02	100.10000	22	-1911.664
## 11202	+	+	+		+	4.822e+02		19	-1915.398
## 15078	+		+		+	5.153e+02		21	-1912.933
## 29935	+			+	+	1.193e+02	156.90000	20	-1914.184
## 31469	+		+		+	2.794e+02	-176.40000	22	-1911.687
## 28325	+		+	+	+	3.991e+02	158.40000	20	-1914.197
## 1488	+	+		+				18	-1916.643
## 19138	+		+		+		-124.30000	18	-1916.661
## 14280	+	+	+	+	+	-8.417e+01		21	-1912.978
## 10954	+		+		+	4.378e+02		19	-1915.454
## 31216	+	+			+	5.321e+01	-43.91000	26	-1906.565
## 32417	+		+	+	+	3.874e+02	176.80000	20	-1914.235
## 5576	+	+		+	+			18	-1916.680
## 11941	+		+	+	+	2.325e+02		19	-1915.474
## 30448	+		+	+	+	1.390e+02	102.40000	23	-1910.484
## 15077	+		+		+	5.216e+02		20	-1914.256
## 27629	+	+	+		+	3.120e+02	-176.40000	22	-1911.759
## 15082	+		+		+	4.044e+02		21	-1913.018
## 5320	+			+	+			17	-1917.909
## 26064	+	+		+		-4.650e+01	173.80000	20	-1914.266
## 14791	+	+			+	1.071e+02		22	-1911.789
## 19438	+	+	+		+		-240.20000	22	-1911.789
## 11237	+	+	+		+	5.223e+02		20	-1914.288
## 31171	+	+			+	1.436e+02	48.42000	22	-1911.790
## 26319	+		+	+		1.630e+02	131.50000	20	-1914.293
## 10191	+	+	+	+		-1.072e+02		20	-1914.296
## 13772	+	+		+	+	-2.564e+02		19	-1915.531
## 14540	+				+	1.691e+02		22	-1911.808
## 30703	+	+	+	+	+	-8.904e+00	100.20000	23	-1910.558
## 15329	+	+	+		+	4.932e+02		20	-1914.350
## 11242	+	+	+		+	4.886e+02		21	-1913.109
## 13551	+			+	+	-3.663e+01		19	-1915.596
## 3724	+		+	+	+			22	-1911.874
## 8109	+	+	+	+	+			21	-1913.133
## 22983	+	+			+		15.48000	22	-1911.881
## 16291	+	+	+	+	+	1.107e+02		24	-1909.334

## 3041	+	+	+		+				18 -1916.834
## 6607	+	+			+	+			22 -1911.898
## 10184	+	+	+	+			-7.756e+01		20 -1914.398
## 6351	+				+	+			21 -1913.156
## 13515	+			+		+	-6.162e+01		17 -1918.046
## 22727	+				+	+		-5.46400	21 -1913.160
## 24489	+	+	+	+	+	+		2.49000	21 -1913.168
## 9420	+			+			-5.791e+01		17 -1918.059
## 5327	+			+		+			17 -1918.061
## 13508	+			+		+	-8.421e+01		17 -1918.067
## 27079	+	+			+		1.537e+02	36.86000	22 -1911.928
## 14795	+	+			+	+	8.086e+01		22 -1911.941
## 31714	+	+	+		+	+	2.779e+02	-142.60000	22 -1911.943
## 23529	+	+	+		+	+		-193.00000	21 -1913.200
## 1232	+			+					17 -1918.089
## 22731	+				+	+		6.13000	21 -1913.202
## 30160	+	+		+		+	-3.543e+01	192.90000	21 -1913.203
## 22987	+	+			+	+		26.30000	22 -1911.958
## 15085	+		+		+	+	4.843e+02		21 -1913.215
## 29903	+			+		+	1.476e+02	197.60000	19 -1915.686
## 11238	+	+	+		+		5.466e+02		21 -1913.217
## 1761	+		+	+					13 -1922.790
## 15330	+	+	+		+	+	4.937e+02		21 -1913.225
## 20112	+		+	+	+			204.40000	24 -1909.417
## 31470	+		+		+	+	2.793e+02	-178.20000	23 -1910.709
## 27083	+	+			+		1.513e+02	47.73000	22 -1911.988
## 20385	+	+	+	+	+			99.41000	19 -1915.717
## 10703	+	+			+		1.104e+02		22 -1912.005
## 31717	+	+	+		+	+	2.689e+02	-202.80000	22 -1912.016
## 26824	+				+		2.703e+02	50.89000	22 -1912.018
## 6352	+				+	+			22 -1912.019
## 24225	+		+	+	+	+		83.93000	19 -1915.747
## 11245	+	+	+		+		5.370e+02		21 -1913.278
## 20397	+	+	+	+	+			16.82000	21 -1913.280
## 26575	+	+	+	+			1.475e+01	133.10000	21 -1913.283
## 22728	+				+	+		12.21000	22 -1912.029
## 31466	+		+		+	+	2.213e+02	-137.20000	22 -1912.033
## 19884	+	+		+	+			195.20000	23 -1910.763
## 20133	+		+	+	+			76.98000	19 -1915.767
## 14032	+		+	+		+	2.725e+01		21 -1913.333
## 9936	+		+	+			3.668e+01		20 -1914.577
## 31718	+	+	+		+	+	3.018e+02	-194.80000	23 -1910.818
## 26828	+				+		2.608e+02	58.49000	22 -1912.090
## 27626	+	+	+		+		2.872e+02	-139.20000	22 -1912.091
## 14031	+		+	+		+	3.522e+01		20 -1914.607
## 26352	+		+	+			1.356e+02	87.96000	22 -1912.112
## 18895	+	+			+			11.22000	22 -1912.115
## 22732	+				+	+		18.48000	22 -1912.121
## 2786	+		+		+				18 -1917.071
## 30416	+		+	+		+	1.606e+02	144.20000	22 -1912.142
## 10448	+				+		2.121e+02		22 -1912.142
## 31172	+	+			+	+	1.550e+02	69.43000	23 -1910.873
## 27333	+		+		+		3.948e+02	-74.85000	19 -1915.870
## 18639	+				+			-7.15100	21 -1913.402

## 9672	+	+		+		-2.042e+02		18	-1917.089
## 14792	+	+			+	1.019e+02		23	-1910.883
## 30704	+	+	+	+		1.751e+00	102.30000	24	-1909.600
## 22984	+	+			+		30.35000	23	-1910.915
## 30415	+		+	+		1.680e+02	143.60000	21	-1913.441
## 6608	+	+			+			23	-1910.925
## 13511	+			+		-4.604e+01		17	-1918.344
## 29936	+			+		1.125e+02	163.00000	21	-1913.492
## 24237	+		+	+	+		-2.70000	21	-1913.497
## 2785	+		+		+			17	-1918.387
## 2794	+		+		+			19	-1915.981
## 3042	+	+	+		+			19	-1915.990
## 12193	+	+	+	+	+	2.322e+02		19	-1915.991
## 9456	+			+		-3.717e+01		19	-1915.991
## 32652	+	+	+	+	+	4.295e+02	290.60000	26	-1907.110
## 3049	+	+	+		+			19	-1916.004
## 9423	+			+		-4.744e+01		17	-1918.425
## 27630	+	+	+		+	3.267e+02	-178.80000	23	-1911.012
## 15086	+		+		+	4.863e+02		22	-1912.282
## 19393	+	+	+		+		-115.10000	18	-1917.228
## 32400	+		+	+	+	4.520e+02	296.40000	26	-1907.125
## 25808	+			+		1.323e+02	182.80000	19	-1916.016
## 25840	+			+		1.069e+02	144.30000	20	-1914.787
## 32429	+		+	+	+	3.487e+02	75.38000	22	-1912.293
## 5584	+	+		+				19	-1916.020
## 22988	+	+			+		36.38000	23	-1911.032
## 32681	+	+	+	+	+	3.441e+02	69.93000	22	-1912.303
## 13775	+	+		+		-2.358e+02		19	-1916.039
## 14796	+	+			+	6.461e+01		23	-1911.083
## 31425	+		+		+	3.604e+02	-54.18000	19	-1916.079
## 27585	+	+	+		+	3.885e+02	-55.61000	19	-1916.091
## 23533	+	+	+		+		-233.10000	22	-1912.366
## 24460	+	+	+	+	+		217.40000	25	-1908.516
## 15337	+	+	+		+	4.734e+02		21	-1913.627
## 26320	+		+	+		1.566e+02	128.90000	21	-1913.630
## 27337	+		+		+	3.625e+02	-59.50000	19	-1916.102
## 29904	+			+		1.390e+02	202.40000	20	-1914.880
## 27334	+		+		+	4.010e+02	-69.13000	20	-1914.880
## 15046	+		+		+	4.860e+02		20	-1914.881
## 7845	+		+	+	+			19	-1916.112
## 14287	+	+	+	+		-1.105e+02		21	-1913.651
## 26608	+	+	+	+		-9.920e+00	88.38000	23	-1911.129
## 4005	+	+	+	+	+			19	-1916.138
## 9680	+	+		+		-2.337e+02		19	-1916.141
## 3009	+	+	+		+			17	-1918.562
## 10957	+		+		+	4.816e+02		19	-1916.152
## 2754	+		+		+			17	-1918.575
## 28589	+	+	+	+	+	3.418e+02	78.25000	22	-1912.438
## 16295	+	+	+	+	+	1.743e+02		25	-1908.597
## 30671	+	+	+	+		2.185e+01	144.90000	22	-1912.453
## 5328	+			+				18	-1917.400
## 13516	+			+		-8.051e+01		18	-1917.402
## 23233	+		+		+		-136.00000	18	-1917.413
## 19141	+		+		+		-151.00000	18	-1917.416

## 15045	+		+		+	+	4.922e+02		19	-1916.214
## 10192	+	+	+	+			-9.957e+01		21	-1913.746
## 19145	+		+		+			-147.10000	18	-1917.452
## 16033	+		+	+	+	+	1.162e+02		19	-1916.245
## 23530	+	+	+		+	+		-191.30000	22	-1912.522
## 13552	+			+		+	-4.834e+01		20	-1915.019
## 2753	+		+		+				16	-1919.856
## 13768	+	+		+		+	-2.158e+02		19	-1916.249
## 11205	+	+	+		+		5.013e+02		19	-1916.254
## 16301	+	+	+	+	+	+	2.587e+02		22	-1912.534
## 15049	+		+		+	+	4.348e+02		19	-1916.264
## 30919	+				+	+	2.583e+02	35.77000	22	-1912.546
## 11209	+	+	+		+		4.704e+02		19	-1916.280
## 30923	+				+	+	2.711e+02	62.10000	22	-1912.558
## 15297	+	+	+		+	+	4.727e+02		19	-1916.300
## 27080	+	+			+		1.674e+02	49.98000	23	-1911.305
## 11246	+	+	+		+		5.541e+02		22	-1912.582
## 14288	+	+	+	+		+	-1.007e+02		22	-1912.589
## 9416	+			+			-4.102e+01		17	-1918.734
## 6889	+		+		+	+			19	-1916.329
## 31426	+		+		+	+	3.481e+02	-39.99000	20	-1915.107
## 14543	+				+	+	2.194e+02		22	-1912.618
## 23234	+		+		+	+		-118.30000	19	-1916.363
## 30672	+	+	+	+		+	3.205e+01	145.30000	23	-1911.370
## 1762	+		+	+					14	-1922.316
## 27084	+	+			+		1.470e+02	51.41000	23	-1911.373
## 31721	+	+	+		+	+	2.763e+02	-137.60000	22	-1912.646
## 18640	+				+			-3.08700	22	-1912.646
## 10704	+	+			+		1.044e+02		23	-1911.377
## 15298	+	+	+		+	+	4.735e+02		20	-1915.147
## 30920	+				+	+	2.613e+02	54.03000	23	-1911.393
## 11206	+	+	+		+		5.259e+02		20	-1915.180
## 28560	+	+	+	+	+		4.204e+02	290.50000	26	-1907.531
## 8097	+	+	+	+	+	+			19	-1916.431
## 10958	+		+		+		4.892e+02		20	-1915.203
## 23534	+	+	+		+	+		-237.10000	23	-1911.436
## 20368	+	+	+	+	+			224.60000	25	-1908.859
## 27338	+		+		+		3.522e+02	-64.35000	20	-1915.217
## 15050	+		+		+	+	4.204e+02		20	-1915.228
## 26831	+				+		2.783e+02	47.52000	22	-1912.730
## 23980	+	+		+	+	+		209.00000	24	-1910.182
## 18896	+	+			+			14.13000	23	-1911.469
## 27586	+	+	+		+		4.118e+02	-44.59000	20	-1915.244
## 19142	+		+		+			-146.60000	19	-1916.489
## 3010	+	+	+		+				18	-1917.706
## 26576	+	+	+	+			1.986e+01	130.60000	22	-1912.765
## 19146	+		+		+			-149.60000	19	-1916.501
## 19394	+	+	+		+			-108.30000	19	-1916.524
## 12197	+	+	+	+	+		3.086e+02		20	-1915.301
## 28581	+	+	+	+	+		4.632e+02	156.00000	21	-1914.063
## 30924	+				+	+	2.569e+02	71.14000	23	-1911.538
## 24208	+		+	+	+	+		210.90000	25	-1908.959
## 5857	+		+	+		+			14	-1922.485
## 2797	+		+		+				19	-1916.542



## 32673	+	+	+	+	+	+	4.604e+02	170.00000	21	-1914.072
## 14544	+				+	+	2.010e+02		23	-1911.564
## 15338	+	+	+		+	+	4.790e+02		22	-1912.851
## 6882	+		+		+	+			19	-1916.583
## 32421	+		+	+	+	+	4.012e+02	158.30000	21	-1914.152
## 11210	+	+	+		+		4.826e+02		20	-1915.397
## 7820	+		+	+	+	+			23	-1911.632
## 15334	+	+	+		+	+	5.452e+02		22	-1912.906
## 2017	+	+	+	+					14	-1922.596
## 31725	+	+	+		+	+	3.125e+02	-174.20000	23	-1911.658
## 16037	+		+	+	+	+	2.348e+02		20	-1915.427
## 13512	+			+		+	-5.436e+01		18	-1917.878
## 11916	+		+	+	+		1.332e+02		23	-1911.670
## 9953	+		+	+			9.948e+01		14	-1922.633
## 31175	+	+			+	+	1.470e+02	36.08000	23	-1911.704
## 13776	+	+		+		+	-2.412e+02		20	-1915.482
## 3980	+	+	+	+	+				23	-1911.721
## 15333	+	+	+		+	+	5.205e+02		21	-1914.256
## 2789	+		+		+				18	-1917.942
## 6890	+		+		+	+			20	-1915.500
## 19628	+			+	+			165.80000	22	-1913.006
## 3050	+	+	+		+				20	-1915.514
## 1765	+		+	+					14	-1922.710
## 7137	+	+	+		+	+			19	-1916.776
## 31179	+	+			+	+	1.520e+02	54.65000	23	-1911.783
## 14799	+	+			+	+	1.067e+02		23	-1911.788
## 18145	+		+	+				21.25000	14	-1922.737
## 1769	+		+	+					14	-1922.752
## 3045	+	+	+		+				19	-1916.810
## 2761	+		+		+				17	-1919.228
## 13519	+			+		+	-5.282e+01		18	-1918.032
## 3728	+		+	+	+				23	-1911.826
## 9424	+			+			-5.472e+01		18	-1918.058
## 24493	+	+	+	+	+	+		13.68000	22	-1913.123
## 6850	+		+		+	+			18	-1918.076
## 15341	+	+	+		+	+	5.341e+02		22	-1913.136
## 22991	+	+			+	+		16.11000	23	-1911.881
## 22735	+				+	+		-1.98700	22	-1913.156
## 3500	+	+		+	+				22	-1913.163
## 2790	+		+		+				19	-1916.905
## 24481	+	+	+	+	+	+		97.78000	20	-1915.678
## 7138	+	+	+		+	+			20	-1915.683
## 20389	+	+	+	+	+			87.66000	20	-1915.685
## 31722	+	+	+		+	+	2.873e+02	-133.70000	23	-1911.919
## 31726	+	+	+		+	+	3.310e+02	-174.80000	24	-1910.636
## 27087	+	+			+		1.576e+02	39.41000	23	-1911.927
## 5858	+		+	+		+			15	-1921.707
## 19888	+	+		+	+			208.70000	24	-1910.679
## 24229	+		+	+	+	+		76.49000	20	-1915.738
## 31176	+	+			+	+	1.603e+02	53.08000	24	-1910.702
## 22736	+				+	+		6.66900	23	-1912.017
## 26832	+				+		2.685e+02	49.54000	23	-1912.017
## 31430	+		+		+	+	3.932e+02	-69.77000	21	-1914.542
## 28076	+	+		+	+		2.212e+01	199.60000	24	-1910.760

## 31429	+		+		+	+	3.915e+02	-75.49000	20	-1915.822
## 6881	+		+		+	+			18	-1918.273
## 2757	+		+		+				17	-1919.477
## 19397	+	+	+		+			-132.30000	19	-1917.088
## 27589	+	+	+		+		4.039e+02	-74.97000	20	-1915.868
## 27341	+		+		+		3.965e+02	-71.97000	20	-1915.868
## 7145	+	+	+		+	+			20	-1915.868
## 14800	+	+			+	+	9.651e+01		24	-1910.835
## 16289	+	+	+	+	+	+	2.376e+02		20	-1915.900
## 15342	+	+	+		+	+	5.533e+02		23	-1912.140
## 2762	+		+		+				18	-1918.352
## 31180	+	+			+	+	1.471e+02	63.74000	24	-1910.866
## 19401	+	+	+		+			-130.10000	19	-1917.157
## 22992	+	+			+	+		23.02000	24	-1910.891
## 23489	+	+	+		+	+		-114.30000	19	-1917.179
## 3053	+	+	+		+				20	-1915.962
## 2798	+		+		+				20	-1915.976
## 3244	+			+	+				21	-1914.747
## 3046	+	+	+		+				20	-1915.990
## 2758	+		+		+				18	-1918.447
## 3017	+	+	+		+				18	-1918.448
## 7105	+	+	+		+	+			18	-1918.494
## 32685	+	+	+	+	+	+	3.395e+02	74.81000	23	-1912.290
## 1729	+		+	+					12	-1925.528
## 31681	+	+	+		+	+	3.856e+02	-55.43000	20	-1916.061
## 31433	+		+		+	+	3.596e+02	-57.60000	20	-1916.076
## 32656	+	+	+	+	+	+	4.240e+02	296.60000	27	-1907.088
## 15302	+	+	+		+	+	5.247e+02		21	-1914.837
## 15053	+		+		+	+	4.768e+02		20	-1916.083
## 27342	+		+		+		3.943e+02	-80.52000	21	-1914.845
## 27590	+	+	+		+		4.350e+02	-69.45000	21	-1914.845
## 6849	+		+		+	+			17	-1919.734
## 27593	+	+	+		+		3.856e+02	-58.13000	20	-1916.089
## 23238	+		+		+	+		-145.60000	20	-1916.092
## 3013	+	+	+		+				18	-1918.540
## 15054	+		+		+	+	4.795e+02		21	-1914.857
## 8101	+	+	+	+	+	+			20	-1916.102
## 24464	+	+	+	+	+	+		230.00000	26	-1908.444
## 1770	+		+	+					15	-1922.118
## 23724	+			+	+	+		181.30000	23	-1912.343
## 23237	+		+		+	+		-151.00000	19	-1917.340
## 13520	+			+		+	-6.525e+01		19	-1917.354
## 11213	+	+	+		+		5.038e+02		20	-1916.137
## 7106	+	+	+		+	+			19	-1917.373
## 23241	+		+		+	+		-143.40000	19	-1917.401
## 19149	+		+		+			-156.00000	19	-1917.407
## 18146	+		+	+				32.56000	15	-1922.194
## 9954	+		+	+			8.253e+01		15	-1922.209
## 2018	+	+	+	+					15	-1922.219
## 15301	+	+	+		+	+	4.992e+02		20	-1916.213
## 23242	+		+		+	+		-141.20000	20	-1916.236
## 15305	+	+	+		+	+	4.658e+02		20	-1916.236
## 30927	+				+	+	2.796e+02	53.01000	23	-1912.476
## 31682	+	+	+		+	+	4.072e+02	-42.15000	21	-1915.009

## 23490	+	+	+		+	+	-105.00000	20	-1916.264
## 19398	+	+	+		+		-131.30000	20	-1916.265
## 31434	+		+		+	+	3.424e+02	-59.59000	21 -1915.025
## 1766	+		+	+					15 -1922.299
## 19402	+	+	+		+		-135.10000	20	-1916.292
## 26337	+		+	+			2.034e+02	65.06000	15 -1922.307
## 6893	+		+		+	+			20 -1916.320
## 6113	+	+	+	+		+			15 -1922.339
## 18401	+	+	+	+			51.80000	15	-1922.350
## 27088	+	+			+		1.544e+02	41.72000	24 -1911.288
## 14049	+		+	+		+	8.359e+01		15 -1922.376
## 22241	+		+	+		+		29.02000	15 -1922.388
## 19150	+		+		+		-164.20000	20	-1916.382
## 15306	+	+	+		+	+	4.730e+02		21 -1915.147
## 27820	+			+	+		2.098e+02	212.30000	23 -1912.628
## 7146	+	+	+		+	+			21 -1915.161
## 11214	+	+	+		+		5.263e+02		21 -1915.161
## 11692	+	+		+	+		-2.306e+02		23 -1912.639
## 2025	+	+	+	+					15 -1922.419
## 27594	+	+	+		+		3.922e+02	-62.04000	21 -1915.178
## 18149	+		+	+				60.50000	15 -1922.445
## 5861	+		+	+		+			15 -1922.450
## 30928	+				+	+	2.679e+02	59.14000	24 -1911.387
## 5865	+		+	+		+			15 -1922.463
## 3018	+	+	+		+				19 -1917.694
## 3014	+	+	+		+				19 -1917.706
## 19876	+	+		+	+			300.80000	22 -1913.999
## 16293	+	+	+	+	+	+	3.103e+02		21 -1915.256
## 23984	+	+		+	+	+		216.80000	25 -1910.150
## 6886	+		+		+	+			20 -1916.513
## 9961	+		+	+			1.250e+02		15 -1922.527
## 16012	+		+	+	+	+	1.210e+02		24 -1911.465
## 32677	+	+	+	+	+	+	4.646e+02	155.90000	22 -1914.020
## 32172	+	+		+	+	+	2.172e+01	213.30000	25 -1910.178
## 8076	+	+	+	+	+	+			24 -1911.505
## 1773	+		+	+					15 -1922.570
## 10209	+	+	+	+			4.809e+01		15 -1922.575
## 7824	+		+	+	+	+			24 -1911.519
## 2021	+	+	+	+					15 -1922.587
## 18113	+		+	+				69.17000	13 -1924.904
## 11920	+		+	+	+		1.605e+02		24 -1911.550
## 28298	+		+	+	+		5.688e+02	208.80000	20 -1916.603
## 22242	+		+	+		+		48.88000	16 -1921.442
## 6857	+		+		+	+			18 -1919.052
## 9957	+		+	+			8.508e+01		15 -1922.622
## 6858	+		+		+	+			19 -1917.855
## 19632	+			+	+			183.10000	23 -1912.875
## 6885	+		+		+	+			19 -1917.878
## 7596	+	+		+	+	+			23 -1912.888
## 5866	+		+	+		+			16 -1921.501
## 12172	+	+	+	+	+		1.019e+02		24 -1911.625
## 6894	+		+		+	+			21 -1915.441
## 3054	+	+	+		+				21 -1915.446
## 1737	+		+	+					13 -1925.024

## 1730	+		+	+					13	-1925.035
## 2765	+		+		+				18	-1919.152
## 3984	+	+	+	+	+				24	-1911.658
## 18153	+		+	+			16.41000		15	-1922.730
## 31183	+	+			+	+	1.601e+02	44.80000	24	-1911.687
## 7141	+	+	+		+	+			20	-1916.759
## 6854	+		+		+	+			19	-1918.031
## 23972	+	+		+	+	+		311.20000	23	-1913.056
## 14050	+		+	+		+	5.238e+01		16	-1921.665
## 6114	+	+	+	+		+			16	-1921.676
## 3504	+	+		+	+				23	-1913.091
## 5862	+		+	+		+			16	-1921.701
## 7340	+			+	+	+			22	-1914.389
## 24485	+	+	+	+	+	+		87.34000	21	-1915.653
## 1738	+		+	+					14	-1924.085
## 7142	+	+	+		+	+			21	-1915.673
## 26338	+		+	+			2.014e+02	75.86000	16	-1921.771
## 5825	+		+	+		+			13	-1925.280
## 6853	+		+		+	+			18	-1919.403
## 26305	+		+	+			2.684e+02	122.60000	14	-1924.153
## 31686	+	+	+		+	+	4.329e+02	-70.16000	22	-1914.495
## 2026	+	+	+	+					16	-1921.842
## 23493	+	+	+		+	+		-132.60000	20	-1917.021
## 28080	+	+		+	+		1.752e+01	212.10000	25	-1910.676
## 31438	+		+		+	+	3.890e+02	-77.13000	22	-1914.528
## 31916	+			+	+	+	2.053e+02	226.60000	24	-1911.980
## 18114	+		+	+				80.10000	14	-1924.212
## 7149	+	+	+		+	+			21	-1915.794
## 19405	+	+	+		+			-142.10000	20	-1917.048
## 31184	+	+			+	+	1.575e+02	51.21000	25	-1910.701
## 18117	+		+	+				122.80000	14	-1924.229
## 31437	+		+		+	+	3.946e+02	-70.04000	21	-1915.814
## 9962	+		+	+			1.238e+02		16	-1921.896
## 31685	+	+	+		+	+	4.008e+02	-75.62000	21	-1915.819
## 18402	+	+	+	+				57.48000	16	-1921.917
## 2766	+		+		+				19	-1918.323
## 27597	+	+	+		+		4.095e+02	-71.00000	21	-1915.864
## 1985	+	+	+	+					13	-1925.444
## 7113	+	+	+		+	+			19	-1918.353
## 23497	+	+	+		+	+		-127.70000	20	-1917.125
## 9921	+		+	+			6.346e+01		13	-1925.466
## 23494	+	+	+		+	+		-131.70000	21	-1915.904
## 1774	+		+	+					16	-1921.988
## 30433	+		+	+		+	1.945e+02	70.49000	16	-1921.995
## 1733	+		+	+					13	-1925.494
## 18369	+	+	+	+				103.90000	14	-1924.342
## 18150	+		+	+				62.80000	16	-1922.013
## 22497	+	+	+	+		+		57.77000	16	-1922.036
## 3021	+	+	+		+				19	-1918.447
## 11436	+			+	+		-4.726e+01		22	-1914.722
## 3248	+			+	+				22	-1914.728
## 7109	+	+	+		+	+			19	-1918.479
## 18154	+		+	+				15.22000	16	-1922.099
## 23246	+		+		+	+		-159.40000	21	-1916.027

## 26341	+		+	+		1.785e+02	91.24000	16	-1922.125
## 15310	+	+	+		+	5.252e+02		22	-1914.792
## 31689	+	+	+		+	3.850e+02	-55.96000	21	-1916.061
## 15309	+	+	+		+	5.014e+02		21	-1916.064
## 23498	+	+	+		+		-129.40000	21	-1916.078
## 27598	+	+	+		+	4.228e+02	-78.49000	22	-1914.824
## 22245	+		+	+	+		63.02000	16	-1922.162
## 5826	+		+	+	+			14	-1924.505
## 19620	+			+	+		270.60000	21	-1916.092
## 23728	+			+	+		192.20000	24	-1912.286
## 23245	+		+		+		-153.40000	20	-1917.338
## 19406	+	+	+		+		-151.50000	21	-1916.098
## 22210	+		+	+	+		96.19000	15	-1923.356
## 18405	+	+	+	+			77.90000	16	-1922.180
## 22209	+		+	+	+		76.91000	14	-1924.523
## 7114	+	+	+		+			20	-1917.351
## 15788	+	+		+	+	-2.442e+02		24	-1912.302
## 10210	+	+	+	+		5.468e+01		16	-1922.191
## 7110	+	+	+		+			20	-1917.360
## 26593	+	+	+	+		1.415e+02	70.71000	16	-1922.197
## 9958	+		+	+		8.652e+01		16	-1922.208
## 6121	+	+	+	+	+			16	-1922.216
## 2022	+	+	+	+				16	-1922.219
## 1993	+	+	+	+				14	-1924.589
## 30434	+		+	+	+	1.869e+02	88.40000	17	-1921.076
## 18409	+	+	+	+			40.51000	16	-1922.295
## 31690	+	+	+		+	3.915e+02	-56.46000	22	-1914.966
## 26345	+		+	+		2.029e+02	60.97000	16	-1922.303
## 26306	+		+	+		2.635e+02	132.40000	15	-1923.483
## 14057	+		+	+	+	1.055e+02		16	-1922.306
## 14305	+	+	+	+	+	3.678e+01		16	-1922.327
## 1741	+		+	+				14	-1924.675
## 6117	+	+	+	+	+			16	-1922.339
## 7150	+	+	+		+			22	-1915.008
## 5834	+		+	+	+			15	-1923.522
## 2029	+	+	+	+				16	-1922.349
## 5869	+		+	+	+			16	-1922.371
## 14053	+		+	+	+	7.872e+01		16	-1922.375
## 28068	+	+		+	+	1.697e+02	328.30000	23	-1913.777
## 22249	+		+	+	+		30.81000	16	-1922.387
## 10217	+	+	+	+		5.292e+01		16	-1922.393
## 23716	+			+	+		282.40000	22	-1915.060
## 18157	+		+	+			51.45000	16	-1922.401
## 27824	+			+	+	2.033e+02	226.50000	24	-1912.522
## 28302	+		+	+	+	5.295e+02	226.70000	21	-1916.333
## 11914	+		+	+	+	3.292e+02		19	-1918.820
## 22498	+	+	+	+	+		69.08000	17	-1921.246
## 9929	+		+	+		1.315e+02		14	-1924.780
## 16016	+		+	+	+	1.545e+02		25	-1911.263
## 9965	+		+	+		9.515e+01		16	-1922.461
## 18121	+		+	+			49.82000	14	-1924.811
## 5833	+		+	+	+			14	-1924.821
## 32394	+		+	+	+	5.595e+02	214.60000	21	-1916.406
## 27812	+			+	+	3.247e+02	330.50000	22	-1915.172

## 11696	+	+		+	+	-2.225e+02		24	-1912.625
## 3022	+	+	+		+			20	-1917.691
## 6122	+	+	+	+		+		17	-1921.352
## 26309	+		+	+		2.249e+02	157.60000	15	-1923.722
## 22246	+		+	+		+	67.85000	17	-1921.366
## 1994	+	+	+	+				15	-1923.735
## 18118	+		+	+			124.00000	15	-1923.737
## 8080	+	+	+	+	+	+		25	-1911.377
## 14058	+		+	+		9.252e+01		17	-1921.380
## 10213	+	+	+	+		4.258e+01		16	-1922.571
## 22250	+		+	+		+	36.23000	17	-1921.395
## 19880	+	+		+	+		305.10000	23	-1913.993
## 16268	+	+	+	+	+	9.252e+01		25	-1911.427
## 1249	+			+				11	-1928.383
## 6861	+		+		+	+		19	-1919.013
## 18370	+	+	+	+			108.70000	15	-1923.805
## 7600	+	+		+	+	+		24	-1912.747
## 32176	+	+		+	+	1.892e+01	220.50000	26	-1910.148
## 30401	+		+	+		2.588e+02	127.90000	15	-1923.823
## 1742	+		+	+				15	-1923.835
## 9922	+		+	+		4.585e+01		14	-1925.002
## 1986	+	+	+	+				14	-1925.011
## 9930	+		+	+		1.294e+02		15	-1923.846
## 5870	+		+	+		+		17	-1921.480
## 28554	+	+	+	+	+	5.694e+02	208.90000	21	-1916.603
## 6862	+		+		+	+		20	-1917.855
## 1734	+		+	+				14	-1925.034
## 12176	+	+	+	+	+	1.307e+02		25	-1911.511
## 30402	+		+	+		2.465e+02	144.20000	16	-1922.716
## 18373	+	+	+	+			141.00000	15	-1923.900
## 18122	+		+	+			45.76000	15	-1923.904
## 3722	+		+	+	+			18	-1920.351
## 1505	+	+		+				12	-1927.378
## 32164	+	+		+	+	1.591e+02	336.90000	24	-1912.859
## 22213	+		+	+		+	125.30000	15	-1923.952
## 31908	+			+	+	3.107e+02	339.30000	23	-1914.212
## 14054	+		+	+		7.683e+01		17	-1921.629
## 17889	+	+		+			106.00000	13	-1926.320
## 22465	+	+	+	+		+	109.80000	15	-1924.005
## 18125	+		+	+			98.45000	15	-1924.008
## 6118	+	+	+	+		+		17	-1921.651
## 14306	+	+	+	+		3.984e+01		17	-1921.661
## 26561	+	+	+	+		2.024e+02	128.40000	15	-1924.031
## 26342	+		+	+		1.833e+02	94.39000	17	-1921.674
## 26346	+		+	+		1.991e+02	58.95000	17	-1921.685
## 6081	+	+	+	+		+		14	-1925.225
## 14017	+		+	+		4.835e+01		14	-1925.245
## 26313	+		+	+		2.647e+02	105.00000	15	-1924.081
## 26594	+	+	+	+		1.600e+02	79.14000	17	-1921.722
## 7344	+			+	+	+		23	-1914.322
## 18410	+	+	+	+			37.30000	17	-1921.736
## 5829	+		+	+		+		14	-1925.271
## 18377	+	+	+	+			77.85000	15	-1924.113
## 23976	+	+		+	+	+	308.50000	24	-1913.053

## 15532	+			+	+	+	-6.405e+01		23	-1914.342
## 2030	+	+	+	+					17	-1921.796
## 10218	+	+	+	+			6.390e+01		17	-1921.804
## 18406	+	+	+	+				77.85000	17	-1921.811
## 18158	+		+	+				45.55000	17	-1921.855
## 30437	+		+	+		+	1.736e+02	92.83000	17	-1921.859
## 9966	+		+	+			1.021e+02		17	-1921.861
## 22466	+	+	+	+		+		119.80000	16	-1923.056
## 22214	+		+	+		+		128.70000	16	-1923.075
## 23501	+	+	+		+	+		-140.10000	21	-1916.997
## 30689	+	+	+	+		+	1.357e+02	75.79000	17	-1921.895
## 31694	+	+	+		+	+	4.273e+02	-74.29000	23	-1914.490
## 10177	+	+	+	+			2.731e+01		14	-1925.438
## 1989	+	+	+	+					14	-1925.441
## 22501	+	+	+	+		+		79.91000	17	-1921.910
## 9925	+		+	+			5.343e+01		14	-1925.461
## 31920	+			+	+	+	2.013e+02	235.10000	25	-1911.937
## 23502	+	+	+		+	+		-148.20000	22	-1915.794
## 31693	+	+	+		+	+	4.104e+02	-68.82000	22	-1915.808
## 22218	+		+	+		+		67.14000	16	-1923.150
## 17637	+			+				127.80000	13	-1926.653
## 30441	+		+	+		+	1.947e+02	72.82000	17	-1921.994
## 1708	+		+	+					18	-1920.795
## 7117	+	+	+		+	+			20	-1918.352
## 26310	+		+	+			2.290e+02	159.50000	16	-1923.209
## 22505	+	+	+	+		+		51.51000	17	-1922.021
## 26314	+		+	+			2.552e+02	99.06000	16	-1923.220
## 26597	+	+	+	+			1.299e+02	93.37000	17	-1922.052
## 1997	+	+	+	+					15	-1924.422
## 17893	+	+		+				153.20000	14	-1925.590
## 1253	+			+					12	-1927.896
## 18413	+	+	+	+				66.17000	17	-1922.080
## 26349	+		+	+			1.748e+02	83.14000	17	-1922.095
## 6089	+	+	+	+		+			15	-1924.465
## 3978	+	+	+	+	+				19	-1919.682
## 18126	+		+	+				88.81000	16	-1923.293
## 5830	+		+	+		+			15	-1924.476
## 22217	+		+	+		+		64.08000	15	-1924.486
## 6090	+	+	+	+		+			16	-1923.310
## 11440	+			+	+		-4.002e+01		23	-1914.711
## 14018	+		+	+		+	1.633e+01		15	-1924.501
## 6082	+	+	+	+		+			15	-1924.505
## 18378	+	+	+	+				71.39000	16	-1923.333
## 17605	+			+				184.70000	12	-1927.976
## 22253	+		+	+		+		58.73000	17	-1922.153
## 26601	+	+	+	+			1.308e+02	60.96000	17	-1922.169
## 6125	+	+	+	+		+			17	-1922.186
## 10214	+	+	+	+			6.001e+01		17	-1922.188
## 14026	+		+	+		+	9.967e+01		16	-1923.384
## 14313	+	+	+	+		+	4.207e+01		17	-1922.200
## 17861	+	+		+				209.70000	13	-1926.890
## 5837	+		+	+		+			15	-1924.574
## 10185	+	+	+	+			4.104e+01		15	-1924.574
## 7118	+	+	+		+	+			21	-1917.321

## 19624	+			+	+		279.10000	22	-1916.068
## 9933	+		+	+		8.146e+01		15	-1924.596
## 30442	+		+	+	+	1.856e+02	76.18000	18	-1921.034
## 5838	+		+	+	+			16	-1923.431
## 26562	+	+	+	+		2.209e+02	135.70000	16	-1923.433
## 15792	+	+		+	+	-2.294e+02		25	-1912.250
## 30438	+		+	+	+	1.772e+02	98.31000	18	-1921.047
## 30690	+	+	+	+	+	1.584e+02	90.49000	18	-1921.053
## 14025	+		+	+	+	1.157e+02		15	-1924.636
## 30405	+		+	+	+	2.201e+02	159.30000	16	-1923.466
## 14061	+		+	+	+	8.742e+01		17	-1922.279
## 17857	+	+		+			158.40000	12	-1928.111
## 18374	+	+	+	+			140.00000	16	-1923.485
## 17633	+			+			47.42000	12	-1928.129
## 14309	+	+	+	+	+	3.754e+01		17	-1922.327
## 10221	+	+	+	+		3.021e+01		17	-1922.341
## 22506	+	+	+	+	+		53.16000	18	-1921.143
## 32398	+		+	+	+	5.269e+02	229.10000	22	-1916.206
## 26317	+		+	+		2.135e+02	134.60000	16	-1923.554
## 18381	+	+	+	+			113.80000	16	-1923.560
## 1513	+	+		+				13	-1927.055
## 16010	+		+	+	+	3.184e+02		20	-1918.729
## 3726	+		+	+	+			19	-1919.970
## 20106	+		+	+	+		74.23000	19	-1919.975
## 1250	+			+				12	-1928.218
## 9441	+			+		1.039e+02		12	-1928.220
## 5345	+			+	+			12	-1928.228
## 22502	+	+	+	+	+		81.02000	18	-1921.207
## 1998	+	+	+	+				16	-1923.621
## 11918	+		+	+	+	3.128e+02		20	-1918.798
## 22469	+	+	+	+	+		143.10000	16	-1923.638
## 12170	+	+	+	+	+	3.084e+02		20	-1918.808
## 26565	+	+	+	+		1.791e+02	159.80000	16	-1923.658
## 28072	+	+		+	+	1.693e+02	332.20000	24	-1913.772
## 23720	+			+	+		283.20000	23	-1915.060
## 28558	+	+	+	+	+	5.388e+02	227.30000	22	-1916.331
## 18092	+		+	+			99.73000	19	-1920.064
## 22254	+		+	+	+		55.21000	18	-1921.286
## 10186	+	+	+	+		5.529e+01		16	-1923.707
## 30657	+	+	+	+	+	1.960e+02	133.30000	16	-1923.712
## 14314	+	+	+	+	+	4.916e+01		18	-1921.329
## 5804	+		+	+	+			19	-1920.120
## 30410	+		+	+	+	2.406e+02	116.30000	17	-1922.540
## 16272	+	+	+	+	+	1.287e+02		26	-1911.234
## 9934	+		+	+		9.079e+01		16	-1923.736
## 32650	+	+	+	+	+	5.693e+02	215.10000	22	-1916.404
## 1257	+			+				12	-1928.374
## 6126	+	+	+	+	+			18	-1921.349
## 7818	+		+	+	+			19	-1920.138
## 27816	+			+	+	3.233e+02	336.90000	23	-1915.158
## 30406	+		+	+	+	2.226e+02	163.10000	17	-1922.573
## 14062	+		+	+	+	9.089e+01		18	-1921.379
## 20362	+	+	+	+	+		107.00000	20	-1918.948
## 21985	+	+		+	+		111.60000	14	-1926.131



## 5601	+	+		+	+			13	-1927.287
## 30409	+		+	+	+	2.570e+02	116.70000	16	-1923.797
## 9697	+	+		+		-9.219e+01		13	-1927.299
## 1509	+	+		+				13	-1927.310
## 22221	+		+	+	+		105.60000	16	-1923.820
## 9926	+		+	+		5.532e+01		15	-1924.998
## 1506	+	+		+				13	-1927.316
## 10178	+	+	+	+		3.468e+01		15	-1925.000
## 1990	+	+	+	+				15	-1925.009
## 17890	+	+		+			110.60000	14	-1926.179
## 22473	+	+	+	+	+		88.57000	16	-1923.870
## 22188	+		+	+	+		122.90000	20	-1919.043
## 30658	+	+	+	+	+	2.176e+02	146.30000	17	-1922.692
## 26569	+	+	+	+		1.757e+02	104.10000	16	-1923.886
## 25797	+			+		2.423e+02	219.10000	13	-1927.397
## 25825	+			+		2.668e+02	103.40000	13	-1927.408
## 22474	+	+	+	+	+		87.31000	17	-1922.725
## 1964	+	+	+	+				19	-1920.324
## 26350	+		+	+		1.760e+02	77.44000	18	-1921.543
## 20110	+		+	+	+		122.30000	20	-1919.102
## 26081	+	+		+		6.922e+01	115.60000	14	-1926.283
## 25829	+			+		1.938e+02	159.70000	14	-1926.286
## 17897	+	+		+			98.94000	14	-1926.298
## 22222	+		+	+	+		98.68000	17	-1922.767
## 18414	+	+	+	+			59.44000	18	-1921.579
## 26602	+	+	+	+		1.391e+02	59.01000	18	-1921.592
## 14310	+	+	+	+	+	5.955e+01		18	-1921.620
## 26318	+		+	+		2.124e+02	124.80000	17	-1922.840
## 26598	+	+	+	+		1.502e+02	95.72000	18	-1921.641
## 32168	+	+		+	+	1.594e+02	333.90000	25	-1912.856
## 14273	+	+	+	+	+	1.653e+01		15	-1925.223
## 6085	+	+	+	+	+			15	-1925.225
## 22470	+	+	+	+	+		142.80000	17	-1922.872
## 14021	+		+	+	+	4.728e+01		15	-1925.245
## 31912	+			+	+	3.108e+02	338.70000	24	-1914.212
## 18382	+	+	+	+			103.40000	17	-1922.912
## 2732	+		+		+			22	-1916.781
## 18348	+	+	+	+			120.00000	20	-1919.300
## 10222	+	+	+	+		4.733e+01		18	-1921.777
## 21733	+			+	+		131.10000	14	-1926.512
## 1261	+			+				13	-1927.672
## 30693	+	+	+	+	+	1.262e+02	94.90000	18	-1921.789
## 15536	+			+	+	-4.955e+01		24	-1914.295
## 17638	+			+			130.70000	14	-1926.530
## 17869	+	+		+			180.80000	14	-1926.561
## 30445	+		+	+	+	1.724e+02	89.85000	18	-1921.855
## 10181	+	+	+	+		2.352e+01		15	-1925.436
## 22509	+	+	+	+	+		72.04000	18	-1921.869
## 26570	+	+	+	+		1.822e+02	98.54000	17	-1923.087
## 21989	+	+		+	+		156.30000	15	-1925.454
## 30697	+	+	+	+	+	1.320e+02	72.22000	18	-1921.892
## 17645	+			+			124.20000	14	-1926.646
## 17606	+			+			186.90000	13	-1927.807
## 5349	+			+	+			13	-1927.813

## 17901	+	+		+			141.50000	15	-1925.500
## 1712	+		+	+				19	-1920.718
## 1254	+			+				13	-1927.823
## 17894	+	+		+			155.10000	15	-1925.507
## 6093	+	+	+	+		+		16	-1924.347
## 17613	+			+			165.10000	13	-1927.847
## 3982	+	+	+	+	+			20	-1919.517
## 21701	+			+		+	188.10000	13	-1927.854
## 25793	+			+		3.424e+02	163.60000	12	-1928.997
## 26566	+	+	+	+		1.998e+02	160.80000	17	-1923.184
## 26605	+	+	+	+		1.121e+02	81.70000	18	-1921.988
## 17634	+			+			55.73000	13	-1927.877
## 9900	+		+	+		3.982e+01		19	-1920.778
## 17858	+	+		+			162.80000	13	-1927.888
## 9445	+			+		2.392e+01		13	-1927.890
## 26085	+	+		+		4.660e+01	159.10000	15	-1925.573
## 8074	+	+	+	+	+	+		20	-1919.565
## 21729	+			+		+	54.27000	13	-1927.902
## 10189	+	+	+	+		2.515e+00		16	-1924.422
## 22444	+	+	+	+		+	141.30000	21	-1918.346
## 17862	+	+		+			211.00000	14	-1926.769
## 17865	+	+		+			134.20000	13	-1927.923
## 21957	+	+		+		+	212.90000	14	-1926.772
## 21953	+	+		+		+	164.00000	13	-1927.931
## 26049	+	+		+		1.502e+02	176.40000	13	-1927.937
## 17601	+			+			99.33000	11	-1930.207
## 5346	+			+		+		13	-1927.942
## 14022	+		+	+		4.568e+01		16	-1924.451
## 14281	+	+	+	+		3.234e+01		16	-1924.456
## 26053	+	+		+		1.090e+02	221.20000	14	-1926.798
## 20366	+	+	+	+	+		141.30000	21	-1918.386
## 6094	+	+	+	+		+		17	-1923.275
## 6086	+	+	+	+		+		16	-1924.466
## 10924	+		+		+	2.870e+02		23	-1915.867
## 1517	+	+		+				14	-1926.823
## 14282	+	+	+	+		4.131e+01		17	-1923.294
## 24202	+		+	+	+	+	84.38000	20	-1919.662
## 14274	+	+	+	+		2.004e+01		16	-1924.501
## 14029	+		+	+		7.574e+01		16	-1924.506
## 1514	+	+		+				14	-1926.877
## 14030	+		+	+		8.047e+01		17	-1923.353
## 30413	+		+	+		2.120e+02	141.40000	17	-1923.371
## 6060	+	+	+	+		+		20	-1919.730
## 14317	+	+	+	+		2.825e+01		18	-1922.179
## 26284	+		+	+		1.890e+02	131.40000	20	-1919.749
## 30446	+		+	+		1.725e+02	86.34000	19	-1920.985
## 9442	+			+		9.419e+01		13	-1928.086
## 17641	+			+			59.39000	13	-1928.086
## 30661	+	+	+	+		1.755e+02	161.40000	17	-1923.405
## 30698	+	+	+	+		1.436e+02	75.70000	19	-1920.988
## 22477	+	+	+	+		+	119.60000	17	-1923.407
## 1217	+			+				10	-1931.479
## 13537	+			+		9.351e+01		13	-1928.098
## 26573	+	+	+	+		1.411e+02	132.30000	17	-1923.416

## 30694	+	+	+	+	+	1.530e+02	99.24000	19	-1921.029
## 9705	+	+		+		-8.628e+01		14	-1926.986
## 5609	+	+		+	+			14	-1927.000
## 21986	+	+		+	+		120.80000	15	-1925.840
## 1258	+			+				13	-1928.165
## 9449	+			+		1.204e+02		13	-1928.174
## 22510	+	+	+	+	+		66.79000	19	-1921.076
## 7822	+		+	+	+	+		20	-1919.863
## 5808	+		+	+	+	+		20	-1919.868
## 30414	+		+	+	+	2.094e+02	134.10000	18	-1922.325
## 5353	+			+	+			13	-1928.224
## 1481	+	+		+				12	-1929.374
## 16014	+		+	+	+	3.089e+02		21	-1918.722
## 16266	+	+	+	+	+	3.032e+02		21	-1918.723
## 32654	+	+	+	+	+	5.424e+02	230.20000	23	-1916.200
## 28292	+		+	+	+	7.847e+02	589.50000	23	-1916.202
## 10190	+	+	+	+		2.494e+01		17	-1923.616
## 30380	+		+	+	+	1.879e+02	154.30000	21	-1918.728
## 25826	+			+		2.662e+02	111.50000	14	-1927.158
## 5602	+	+		+	+			14	-1927.162
## 6828	+		+		+	+		23	-1916.218
## 30665	+	+	+	+	+	1.772e+02	115.10000	17	-1923.638
## 24458	+	+	+	+	+	+	113.30000	21	-1918.752
## 9701	+	+		+		-1.238e+02		14	-1927.177
## 22478	+	+	+	+	+		111.10000	18	-1922.460
## 13793	+	+		+	+	-9.986e+01		14	-1927.194
## 30666	+	+	+	+	+	1.863e+02	115.20000	18	-1922.466
## 29921	+			+	+	2.619e+02	108.80000	14	-1927.207
## 12174	+	+	+	+	+	2.944e+02		21	-1918.789
## 25798	+			+		2.446e+02	221.70000	14	-1927.216
## 18096	+		+	+			105.80000	20	-1920.053
## 9698	+	+		+		-9.245e+01		14	-1927.236
## 5605	+	+		+	+			14	-1927.236
## 30177	+	+		+	+	6.612e+01	120.70000	15	-1926.097
## 1510	+	+		+				14	-1927.264
## 14318	+	+	+	+	+	4.884e+01		19	-1921.329
## 29893	+			+	+	2.409e+02	222.20000	14	-1927.281
## 17898	+	+		+			99.00000	15	-1926.117
## 21993	+	+		+	+		108.30000	15	-1926.127
## 13996	+		+	+	+	1.812e+01		20	-1920.116
## 30662	+	+	+	+	+	2.024e+02	164.00000	18	-1922.561
## 26082	+	+		+		7.692e+01	121.40000	15	-1926.134
## 25830	+			+		1.967e+02	163.10000	15	-1926.151
## 29925	+			+	+	1.919e+02	162.50000	15	-1926.152
## 25805	+			+		2.324e+02	202.60000	14	-1927.320
## 10928	+		+		+	3.549e+02		24	-1915.097
## 10182	+	+	+	+		4.275e+01		16	-1924.993
## 25833	+			+		2.686e+02	117.00000	14	-1927.356
## 2736	+		+		+			23	-1916.414
## 24206	+		+	+	+		125.60000	21	-1918.951
## 32388	+		+	+	+	7.631e+02	593.60000	24	-1915.146
## 1473	+	+		+				11	-1930.803
## 1968	+	+	+	+				20	-1920.208
## 26606	+	+	+	+		1.232e+02	76.38000	19	-1921.467

## 21734	+			+	+		136.80000	15	-1926.262
## 26089	+	+		+		6.132e+01	109.00000	15	-1926.271
## 21730	+			+	+		69.34000	14	-1927.436
## 19883	+	+		+	+		196.90000	22	-1917.766
## 25837	+			+		1.929e+02	158.00000	15	-1926.285
## 22192	+		+	+	+		118.30000	21	-1919.035
## 19116	+		+		+		-64.06000	23	-1916.519
## 10156	+	+	+	+		-6.567e+01		20	-1920.287
## 26574	+	+	+	+		1.520e+02	123.20000	18	-1922.744
## 25794	+			+		3.388e+02	171.00000	13	-1928.640
## 17870	+	+		+			177.30000	15	-1926.327
## 1262	+			+				14	-1927.509
## 2988	+	+	+		+			23	-1916.568
## 1229	+			+				12	-1929.814
## 21954	+	+		+	+		173.00000	14	-1927.524
## 1225	+			+				11	-1930.948
## 17602	+			+			107.70000	12	-1929.828
## 21702	+			+	+		193.10000	14	-1927.546
## 14277	+	+	+	+	+	1.866e+01		16	-1925.222
## 17866	+	+		+			132.10000	14	-1927.578
## 22180	+		+	+	+		217.90000	19	-1921.632
## 17614	+			+			161.60000	14	-1927.591
## 21990	+	+		+	+		160.50000	16	-1925.267
## 5357	+			+	+			14	-1927.627
## 15020	+		+		+	2.684e+02		24	-1915.422
## 29889	+			+	+	3.379e+02	169.10000	13	-1928.808
## 9453	+			+		3.525e+01		14	-1927.658
## 17646	+			+			123.10000	15	-1926.499
## 26540	+	+	+	+		8.342e+01	131.60000	21	-1919.248
## 5350	+			+	+			14	-1927.668
## 21965	+	+		+	+		185.40000	15	-1926.507
## 1221	+			+				11	-1931.094
## 21741	+			+	+		130.70000	15	-1926.512
## 21697	+			+	+		106.20000	12	-1929.988
## 26061	+	+		+		6.381e+01	189.60000	15	-1926.532
## 26050	+	+		+		1.574e+02	181.90000	14	-1927.698
## 21958	+	+		+	+		216.50000	15	-1926.536
## 17902	+	+		+			140.40000	16	-1925.363
## 18352	+	+	+	+			125.80000	21	-1919.289
## 30701	+	+	+	+	+	1.164e+02	88.27000	19	-1921.770
## 21997	+	+		+	+		146.80000	16	-1925.402
## 1485	+	+		+				13	-1928.912
## 30145	+	+		+	+	1.474e+02	181.60000	14	-1927.763
## 21709	+			+	+		171.00000	14	-1927.766
## 30181	+	+		+	+	4.474e+01	162.00000	16	-1925.438
## 21961	+	+		+	+		142.60000	14	-1927.801
## 13541	+			+	+	2.007e+01		14	-1927.808
## 21737	+			+	+		72.54000	14	-1927.814
## 26057	+	+		+		1.217e+02	152.90000	14	-1927.814
## 9446	+			+		2.338e+01		14	-1927.817
## 9709	+	+		+		-1.396e+02		15	-1926.654
## 6832	+		+		+	+		24	-1915.594
## 26086	+	+		+		5.342e+01	161.90000	16	-1925.485
## 26054	+	+		+		1.161e+02	223.40000	15	-1926.666

## 1518	+	+		+				15	-1926.667
## 1482	+	+		+				13	-1928.988
## 26093	+	+		+		2.529e+01	145.30000	16	-1925.496
## 25801	+			+		3.422e+02	163.00000	13	-1928.997
## 6064	+	+	+	+	+			21	-1919.427
## 30149	+	+		+	+	1.077e+02	224.30000	15	-1926.683
## 9904	+		+	+		6.585e+01		20	-1920.675
## 13538	+			+	+	7.555e+01		14	-1927.859
## 8078	+	+	+	+	+			21	-1919.447
## 17642	+			+			59.89000	14	-1927.871
## 1218	+			+				11	-1931.293
## 15024	+		+		+	3.441e+02		25	-1914.349
## 14285	+	+	+	+	+	7.173e-01		17	-1924.347
## 5354	+			+	+			14	-1927.885
## 18913	+	+			+		-161.60000	17	-1924.373
## 5610	+	+		+	+			15	-1926.744
## 17609	+			+			94.43000	12	-1930.201
## 29922	+			+	+	2.588e+02	123.00000	15	-1926.754
## 24462	+	+	+	+	+		143.30000	22	-1918.284
## 18084	+		+	+			200.10000	18	-1923.226
## 30636	+	+	+	+	+	8.906e+01	153.80000	22	-1918.286
## 5613	+	+		+	+			15	-1926.800
## 9450	+			+		1.187e+02		14	-1927.970
## 9706	+	+		+		-8.545e+01		15	-1926.809
## 9409	+			+		7.381e+01		11	-1931.399
## 14278	+	+	+	+	+	4.227e+01		17	-1924.451
## 5313	+			+	+			11	-1931.404
## 30669	+	+	+	+	+	1.454e+02	138.90000	18	-1923.254
## 14286	+	+	+	+	+	2.576e+01		18	-1923.269
## 19120	+		+		+		-107.80000	24	-1915.776
## 30372	+		+	+	+	2.951e+02	255.60000	20	-1920.835
## 22448	+	+	+	+	+		136.90000	22	-1918.339
## 13545	+			+	+	1.078e+02		14	-1928.066
## 13801	+	+		+	+	-9.273e+01		15	-1926.921
## 14252	+	+	+	+	+	-8.111e+01		21	-1919.672
## 11180	+	+	+		+	2.800e+02		24	-1915.864
## 27308	+		+		+	2.820e+02	-4.13200	24	-1915.866
## 18657	+				+		-221.40000	16	-1925.768
## 30702	+	+	+	+	+	1.337e+02	85.32000	20	-1920.944
## 29894	+			+	+	2.433e+02	227.70000	15	-1926.960
## 30178	+	+		+	+	7.634e+01	131.50000	16	-1925.796
## 21994	+	+		+	+		112.10000	16	-1925.809
## 9673	+	+		+		-8.513e+01		13	-1929.308
## 26288	+		+	+		1.873e+02	134.60000	21	-1919.745
## 21698	+			+	+		121.40000	13	-1929.348
## 1226	+			+				12	-1930.500
## 29890	+			+	+	3.305e+02	182.30000	14	-1928.214
## 5577	+	+		+	+			13	-1929.367
## 30670	+	+	+	+	+	1.625e+02	132.50000	19	-1922.267
## 22436	+	+	+	+	+		236.60000	20	-1921.040
## 13794	+	+		+	+	-1.029e+02		15	-1927.063
## 29926	+			+	+	1.953e+02	169.00000	16	-1925.887
## 25806	+			+		2.310e+02	198.80000	15	-1927.070
## 14000	+		+	+	+	5.889e+01		21	-1919.832

## 13797	+	+		+		+	-1.277e+02		15	-1927.095
## 29929	+			+		+	2.639e+02	128.50000	15	-1927.108
## 7084	+	+	+		+	+			24	-1916.050
## 23212	+		+		+	+		-51.44000	24	-1916.052
## 5606	+	+		+		+			15	-1927.137
## 9702	+	+		+			-1.213e+02		15	-1927.137
## 26276	+		+	+			3.107e+02	240.40000	19	-1922.355
## 25834	+			+			2.671e+02	117.20000	15	-1927.148
## 1230	+			+					13	-1929.475
## 28548	+	+	+	+	+		8.264e+02	583.00000	24	-1916.095
## 2992	+	+	+		+				24	-1916.150
## 30384	+		+	+		+	1.916e+02	147.90000	22	-1918.711
## 9417	+			+			1.403e+02		12	-1930.683
## 16270	+	+	+	+	+	+	2.948e+02		22	-1918.716
## 10920	+		+		+		3.780e+02		23	-1917.450
## 29901	+			+		+	2.332e+02	208.70000	15	-1927.235
## 1474	+	+		+					12	-1930.709
## 28296	+		+	+	+		7.824e+02	594.10000	24	-1916.194
## 9665	+	+		+			-9.844e+01		12	-1930.715
## 26090	+	+		+			6.251e+01	109.20000	16	-1926.089
## 30185	+	+		+		+	6.405e+01	118.90000	16	-1926.097
## 1477	+	+		+					12	-1930.731
## 19887	+	+		+	+			221.20000	23	-1917.509
## 21962	+	+		+		+		145.00000	15	-1927.289
## 3499	+	+		+	+				21	-1920.049
## 5569	+	+		+		+			12	-1930.765
## 25838	+			+			1.936e+02	157.10000	16	-1926.134
## 29933	+			+		+	1.929e+02	164.60000	16	-1926.150
## 30146	+	+		+		+	1.561e+02	191.80000	15	-1927.336
## 21966	+	+		+		+		184.60000	16	-1926.172
## 18340	+	+	+	+				220.50000	19	-1922.566
## 27312	+		+		+		3.059e+02	-46.03000	25	-1915.005
## 21710	+			+		+		170.40000	15	-1927.386
## 32644	+	+	+	+	+	+	8.069e+02	586.80000	25	-1915.026
## 5358	+			+		+			15	-1927.391
## 26849	+				+		2.851e+02	-147.90000	17	-1925.031
## 23216	+		+		+	+		-99.59000	25	-1915.047
## 21738	+			+		+		77.80000	15	-1927.415
## 1486	+	+		+					14	-1928.585
## 2728	+		+		+				22	-1918.912
## 21742	+			+		+		132.10000	16	-1926.251
## 5321	+			+		+			12	-1930.888
## 15016	+		+		+	+	3.630e+02		24	-1916.372
## 19372	+	+	+		+			-55.19000	24	-1916.380
## 25802	+			+			3.354e+02	160.20000	14	-1928.614
## 10160	+	+	+	+			-3.992e+01		21	-1920.195
## 2724	+		+		+				21	-1920.197
## 17610	+			+				92.95000	13	-1929.773
## 11184	+	+	+		+		3.519e+02		25	-1915.097
## 10465	+				+		5.262e+02		16	-1926.282
## 26058	+	+		+			1.195e+02	150.50000	15	-1927.473
## 26062	+	+		+			6.432e+01	186.20000	16	-1926.297
## 9421	+			+			2.756e+01		13	-1929.806
## 9454	+			+			3.692e+01		15	-1927.493

## 5325	+			+	+			13	-1929.813
## 32392	+		+	+	+	7.649e+02	589.40000	25	-1915.139
## 6824	+		+		+			23	-1917.733
## 23979	+	+		+	+		194.40000	23	-1917.747
## 21998	+	+		+	+		147.90000	17	-1925.170
## 9677	+	+		+		-1.573e+02		14	-1928.702
## 1222	+			+				12	-1930.996
## 28075	+	+		+	+	1.463e+01	199.80000	23	-1917.764
## 22184	+		+	+	+		201.10000	20	-1921.555
## 5317	+			+	+			12	-1931.062
## 30150	+	+		+	+	1.174e+02	229.10000	16	-1926.430
## 2529	+	+			+			16	-1926.432
## 30182	+	+		+	+	5.465e+01	167.50000	17	-1925.244
## 13549	+			+	+	3.158e+01		15	-1927.615
## 9413	+			+		-4.413e+00		12	-1931.094
## 29897	+			+	+	3.391e+02	173.90000	14	-1928.804
## 30157	+	+		+	+	6.723e+01	194.90000	16	-1926.474
## 13542	+			+	+	1.754e+01		15	-1927.664
## 5314	+			+	+			12	-1931.125
## 21705	+			+	+		106.60000	13	-1929.988
## 9710	+	+		+		-1.366e+02		16	-1926.505
## 30153	+	+		+	+	1.248e+02	162.00000	15	-1927.687
## 1707	+		+	+				17	-1925.357
## 26094	+	+		+		2.731e+01	144.50000	17	-1925.357
## 7088	+	+	+		+			25	-1915.376
## 10721	+	+			+	3.336e+02		17	-1925.373
## 5581	+	+		+	+			14	-1928.911
## 5578	+	+		+	+			14	-1928.915
## 13546	+			+	+	9.953e+01		15	-1927.750
## 26544	+	+	+	+		8.072e+01	136.00000	22	-1919.241
## 9674	+	+		+		-8.396e+01		14	-1928.924
## 28299	+		+	+	+	5.382e+02	317.00000	23	-1917.983
## 30189	+	+		+	+	2.892e+01	151.20000	17	-1925.396
## 5614	+	+		+	+			16	-1926.590
## 19875	+	+		+	+		297.50000	21	-1920.514
## 9410	+			+		6.304e+01		12	-1931.235
## 31404	+		+		+	2.769e+02	7.08600	25	-1915.420
## 15276	+	+	+		+	2.647e+02		25	-1915.421
## 3236	+			+	+			20	-1921.784
## 13805	+	+		+	+	-1.412e+02		16	-1926.628
## 10473	+				+	4.500e+02		17	-1925.464
## 27105	+	+			+	1.236e+02	-138.90000	18	-1924.267
## 13802	+	+		+	+	-9.533e+01		16	-1926.659
## 18914	+	+			+		-157.80000	18	-1924.282
## 19627	+			+	+		162.60000	21	-1920.597
## 30628	+	+	+	+	+	2.310e+02	259.50000	21	-1920.624
## 13505	+			+	+	6.623e+01		12	-1931.340
## 19852	+	+		+	+		301.70000	22	-1919.392
## 29930	+			+	+	2.601e+02	132.80000	16	-1926.727
## 14256	+	+	+	+	+	-3.931e+01		22	-1919.414
## 18921	+	+			+		-155.50000	18	-1924.357
## 9418	+			+		1.366e+02		13	-1930.247
## 10916	+		+		+	2.690e+02		22	-1919.420
## 1706	+		+	+				14	-1929.103

## 18665	+			+		-194.50000	17	-1925.572
## 23009	+	+		+	+	-161.90000	18	-1924.370
## 18917	+	+		+		-164.10000	18	-1924.371
## 31408	+		+	+	+	3.033e+02	26	-1914.284
## 18658	+			+		-213.90000	17	-1925.592
## 5322	+			+	+		13	-1930.300
## 30376	+		+	+	+	3.009e+02	21	-1920.729
## 19376	+	+	+		+	-98.87000	25	-1915.627
## 6820	+		+		+		22	-1919.484
## 18088	+		+	+		196.80000	19	-1923.223
## 15280	+	+	+		+	3.464e+02	26	-1914.348
## 11691	+	+		+	+	-2.385e+02	22	-1919.525
## 29902	+			+	+	2.320e+02	16	-1926.859
## 30640	+	+	+	+	+	9.265e+01	23	-1918.275
## 18661	+			+		-202.60000	17	-1925.689
## 3498	+	+		+	+		18	-1924.531
## 26532	+	+	+	+		2.420e+02	20	-1922.116
## 13769	+	+		+	+	-8.776e+01	14	-1929.297
## 22753	+				+	-221.40000	17	-1925.768
## 30186	+	+		+	+	6.677e+01	17	-1925.776
## 3492	+	+		+	+		21	-1920.894
## 21706	+			+	+	110.90000	14	-1929.322
## 3243	+			+	+		20	-1922.155
## 13798	+	+		+	+	-1.249e+02	16	-1927.002
## 18091	+		+	+		102.30000	18	-1924.621
## 29898	+			+	+	3.286e+02	15	-1928.205
## 3240	+			+	+		21	-1920.953
## 1963	+	+	+	+			18	-1924.641
## 22440	+	+	+	+	+	219.80000	21	-1920.962
## 27564	+	+	+		+	2.743e+02	25	-1915.863
## 29934	+			+	+	1.939e+02	17	-1925.884
## 5326	+			+	+		14	-1929.427
## 9669	+	+		+		-1.316e+02	13	-1930.586
## 18060	+		+	+		164.20000	18	-1924.720
## 23468	+	+	+		+	-43.59000	25	-1915.935
## 9422	+			+		3.036e+01	14	-1929.464
## 5570	+	+		+	+		13	-1930.620
## 9666	+	+		+		-9.872e+01	13	-1930.621
## 3496	+	+		+	+		22	-1919.802
## 18347	+	+	+	+		126.70000	19	-1923.545
## 2537	+	+			+		17	-1925.967
## 13513	+			+	+	1.337e+02	13	-1930.651
## 10466	+				+	5.099e+02	17	-1925.968
## 1478	+	+		+			13	-1930.658
## 10469	+				+	4.536e+02	17	-1925.982
## 13761	+	+		+	+	-1.037e+02	13	-1930.669
## 30154	+	+		+	+	1.239e+02	16	-1927.176
## 26280	+		+	+		3.129e+02	20	-1922.343
## 26857	+				+	2.898e+02	18	-1924.810
## 5573	+	+		+	+		13	-1930.705
## 9678	+	+		+		-1.520e+02	15	-1928.388
## 27304	+		+		+	4.264e+02	24	-1917.335
## 26850	+				+	2.849e+02	18	-1924.855
## 7595	+	+		+	+		22	-1919.932



## 28552	+	+	+	+	+	8.240e+02	587.10000	25	-1916.088
## 27300	+		+		+	4.098e+02	111.90000	23	-1918.677
## 2533	+	+			+			17	-1926.092
## 19856	+	+		+	+		335.40000	23	-1918.694
## 11176	+	+	+		+	4.059e+02		24	-1917.413
## 7332	+			+	+	+		21	-1921.242
## 30158	+	+		+		7.043e+01	194.50000	17	-1926.136
## 9898	+		+	+		2.051e+02		15	-1928.524
## 23983	+	+		+	+	+	218.70000	24	-1917.469
## 28303	+		+	+	+	5.135e+02	347.20000	24	-1917.485
## 10729	+	+			+	3.220e+02		18	-1924.980
## 13550	+			+	+	3.108e+01		16	-1927.379
## 3503	+	+		+	+			22	-1920.046
## 5582	+	+		+		+		15	-1928.563
## 28079	+	+		+	+	6.438e+00	222.50000	24	-1917.508
## 18344	+	+	+	+			216.80000	20	-1922.562
## 2984	+	+	+		+			23	-1918.796
## 26853	+				+	2.773e+02	-140.40000	18	-1925.011
## 2530	+	+			+			17	-1926.223
## 19108	+		+		+		38.93000	22	-1920.082
## 5318	+			+		+		13	-1930.910
## 30945	+				+	2.858e+02	-148.10000	18	-1925.029
## 23472	+	+	+		+	+	-91.71000	26	-1914.925
## 15012	+		+		+	2.476e+02		23	-1918.827
## 31400	+		+		+	4.119e+02	47.93000	25	-1916.254
## 5802	+		+	+		+		15	-1928.638
## 13517	+			+		2.703e+01		14	-1929.805
## 7336	+			+	+	+		22	-1920.130
## 10433	+				+	5.009e+02		15	-1928.642
## 14561	+				+	5.264e+02		17	-1926.282
## 19112	+		+		+		-25.54000	23	-1918.873
## 19596	+			+	+		272.30000	21	-1921.409
## 27819	+			+	+	2.351e+02	214.80000	22	-1920.156
## 2980	+	+	+		+			22	-1920.157
## 1962	+	+	+	+				15	-1928.667
## 22156	+		+	+		+	186.60000	19	-1923.883
## 27568	+	+	+		+	3.009e+02	-46.23000	26	-1915.004
## 9414	+			+		-4.920e+00		13	-1930.996
## 15272	+	+	+		+	3.946e+02		25	-1916.325
## 32648	+	+	+	+	+	8.094e+02	581.90000	26	-1915.017
## 23948	+	+		+	+	+	315.00000	23	-1918.917
## 13773	+	+		+		-1.571e+02		15	-1928.702
## 7080	+	+	+		+	+		24	-1917.645
## 30190	+	+		+		3.335e+01	152.90000	18	-1925.162
## 10722	+	+			+	3.318e+02		18	-1925.174
## 13509	+			+		-7.039e+00		13	-1931.061
## 19631	+			+	+		192.20000	22	-1920.242
## 23208	+		+		+	+	-22.36000	24	-1917.702
## 13506	+			+		4.774e+01		13	-1931.093
## 11684	+	+		+	+	-2.597e+02		22	-1920.277
## 13806	+	+		+		-1.388e+02		17	-1926.423
## 6625	+	+			+	+		17	-1926.431
## 32171	+	+		+	+	1.482e+01	197.40000	24	-1917.745
## 19882	+	+		+	+		92.01000	19	-1924.027

## 7592	+	+		+	+	+			23	-1919.038
## 10725	+	+			+		3.050e+02		18	-1925.264
## 13770	+	+		+		+	-9.148e+01		15	-1928.839
## 28067	+	+		+	+		1.557e+02	322.70000	22	-1920.338
## 20107	+		+	+	+			208.70000	22	-1920.346
## 32395	+		+	+	+	+	5.376e+02	308.30000	24	-1917.804
## 9899	+		+	+			7.163e+01		18	-1925.304
## 28555	+	+	+	+	+		4.779e+02	316.50000	24	-1917.828
## 18316	+	+	+	+				183.50000	19	-1924.120
## 1711	+		+	+					18	-1925.351
## 5803	+		+	+		+			18	-1925.352
## 1710	+		+	+					15	-1928.921
## 11428	+			+	+		-1.027e+02		21	-1921.671
## 28044	+	+		+	+		1.865e+02	336.10000	23	-1919.146
## 19879	+	+		+	+			314.40000	22	-1920.421
## 7588	+	+		+	+	+			22	-1920.421
## 10474	+				+		4.486e+02		18	-1925.367
## 13514	+			+		+	1.214e+02		14	-1930.105
## 14817	+	+			+	+	3.341e+02		18	-1925.372
## 27106	+	+			+		1.303e+02	-133.70000	19	-1924.163
## 26283	+		+	+			2.312e+02	141.00000	19	-1924.168
## 27788	+			+	+		3.455e+02	343.70000	22	-1920.445
## 2497	+	+			+				15	-1928.970
## 26252	+		+	+			2.502e+02	204.20000	19	-1924.188
## 10477	+				+		4.285e+02		18	-1925.424
## 27113	+	+			+		1.381e+02	-126.70000	19	-1924.229
## 23971	+	+		+	+	+		298.30000	22	-1920.507
## 14569	+				+	+	4.471e+02		18	-1925.455
## 30632	+	+	+	+		+	2.376e+02	241.10000	22	-1920.523
## 31396	+		+		+	+	3.964e+02	119.70000	24	-1917.976
## 18666	+				+			-193.90000	18	-1925.474
## 31201	+	+			+	+	1.243e+02	-139.20000	19	-1924.263
## 27109	+	+			+		1.244e+02	-142.00000	19	-1924.263
## 18918	+	+			+			-162.20000	19	-1924.275
## 18922	+	+			+			-155.30000	19	-1924.279
## 23010	+	+			+	+		-157.40000	19	-1924.280
## 23204	+		+		+	+		49.79000	23	-1919.297
## 23723	+			+	+	+		160.40000	22	-1920.582
## 31660	+	+	+		+	+	2.734e+02	6.91400	26	-1915.419
## 3242	+			+	+				17	-1926.728
## 18090	+		+	+				9.87900	15	-1929.095
## 1676	+		+	+					17	-1926.732
## 5800	+		+	+		+			19	-1924.323
## 18662	+				+			-199.40000	18	-1925.542
## 18669	+				+			-186.10000	18	-1925.545
## 19600	+			+	+			309.60000	22	-1920.609
## 10689	+	+			+		3.308e+02		16	-1927.955
## 18925	+	+			+			-158.90000	19	-1924.351
## 22761	+				+	+		-193.50000	18	-1925.568
## 23017	+	+			+	+		-155.90000	19	-1924.356
## 22754	+				+	+		-212.10000	18	-1925.575
## 23013	+	+			+	+		-164.20000	19	-1924.369
## 11172	+	+	+		+		2.996e+02		23	-1919.378
## 20363	+	+	+	+	+			235.50000	23	-1919.397

## 19619	+			+	+		262.00000	20	-1923.172
## 15787	+	+		+	+	+ -2.315e+02		23	-1919.440
## 7076	+	+	+		+	+		23	-1919.462
## 11688	+	+		+	+	-1.956e+02		23	-1919.464
## 1700	+		+	+				17	-1926.888
## 22757	+				+	+	-202.70000	18	-1925.688
## 3502	+	+		+	+			19	-1924.492
## 11690	+	+		+	+	-5.765e+01		19	-1924.501
## 31664	+	+	+		+	+ 3.041e+02	-38.44000	27	-1914.284
## 7594	+	+		+	+	+		19	-1924.501
## 11695	+	+		+	+	-2.456e+02		23	-1919.514
## 18095	+		+	+			121.10000	19	-1924.515
## 18064	+		+	+			186.70000	19	-1924.538
## 7339	+			+	+	+		21	-1922.069
## 10470	+				+	4.512e+02		18	-1925.762
## 22187	+		+	+		+	107.60000	19	-1924.566
## 22412	+	+	+	+		+	204.00000	20	-1923.340
## 13762	+	+		+		+ -1.070e+02		14	-1930.518
## 9670	+	+		+		-1.282e+02		14	-1930.521
## 26536	+	+	+	+		2.443e+02	238.70000	21	-1922.105
## 30348	+		+	+		+ 2.500e+02	226.60000	20	-1923.348
## 26282	+		+	+		3.017e+02	76.40000	16	-1928.191
## 23692	+			+	+	+	287.40000	22	-1920.862
## 13994	+		+	+		+ 1.804e+02		16	-1928.200
## 13765	+	+		+		+ -1.341e+02		14	-1930.555
## 10155	+	+	+	+		-5.670e+01		19	-1924.614
## 1967	+	+	+	+				19	-1924.614
## 3247	+			+	+			21	-1922.144
## 1704	+		+	+				18	-1925.834
## 11435	+			+	+	-2.494e+01		21	-1922.149
## 2541	+	+			+			18	-1925.835
## 20111	+		+	+	+		251.20000	23	-1919.628
## 13518	+			+		+ 2.657e+01		15	-1929.419
## 6059	+	+	+	+		+		19	-1924.640
## 5574	+	+		+		+		14	-1930.590
## 23952	+	+		+	+	+	343.20000	24	-1918.363
## 11432	+			+	+	-3.771e+01		22	-1920.939
## 2281	+				+			16	-1928.274
## 2538	+	+			+			18	-1925.886
## 18351	+	+	+	+			144.50000	20	-1923.447
## 27811	+			+	+	3.418e+02	325.10000	21	-1922.220
## 26539	+	+	+	+		1.029e+02	141.00000	20	-1923.470
## 10434	+				+	4.841e+02		16	-1928.314
## 15780	+	+		+	+	+ -2.772e+02		23	-1919.718
## 26858	+				+	2.888e+02	-118.00000	19	-1924.716
## 10437	+				+	4.257e+02		16	-1928.327
## 22443	+	+	+	+		+	131.70000	20	-1923.495
## 14562	+				+	+ 5.046e+02		18	-1925.941
## 5796	+		+	+		+		18	-1925.946
## 6058	+	+	+	+		+		16	-1928.342
## 2534	+	+			+			18	-1925.954
## 6633	+	+			+	+		18	-1925.956
## 13774	+	+		+		+ -1.535e+02		16	-1928.362
## 14565	+				+	+ 4.543e+02		18	-1925.979

## 27792	+			+	+	3.211e+02	372.80000	23	-1919.776
## 28048	+	+		+	+	1.647e+02	364.60000	24	-1918.501
## 15524	+			+	+	+ -1.232e+02		22	-1921.078
## 32399	+		+	+	+	+ 5.108e+02	339.20000	25	-1917.228
## 30953	+				+	+ 2.895e+02	-118.00000	19	-1924.809
## 26861	+				+	2.894e+02	-118.00000	19	-1924.810
## 27823	+			+	+	2.230e+02	239.70000	23	-1919.846
## 30946	+				+	+ 2.834e+02	-139.70000	19	-1924.847
## 26854	+				+	2.803e+02	-136.30000	19	-1924.848
## 10154	+	+	+	+		1.535e+02		16	-1928.460
## 2277	+				+			16	-1928.466
## 6629	+	+			+	+		18	-1926.091
## 27560	+	+	+		+	4.528e+02	46.86000	25	-1917.301
## 28559	+	+	+	+	+	4.486e+02	347.40000	25	-1917.308
## 10730	+	+			+	3.223e+02		19	-1924.896
## 9902	+		+	+		1.895e+02		16	-1928.507
## 31884	+			+	+	+ 3.418e+02	357.80000	23	-1919.914
## 27556	+	+	+		+	4.369e+02	111.40000	24	-1918.642
## 18083	+		+	+			197.50000	17	-1927.345
## 7599	+	+		+	+	+		23	-1919.932
## 15784	+	+		+	+	+ -2.070e+02		24	-1918.657
## 32140	+	+		+	+	+ 1.867e+02	349.60000	24	-1918.669
## 18346	+	+	+	+			37.47000	16	-1928.567
## 13510	+			+		+ -9.621e+00		14	-1930.909
## 20367	+	+	+	+	+		277.50000	24	-1918.684
## 10733	+	+			+	3.121e+02		19	-1924.967
## 22186	+		+	+	+		28.48000	16	-1928.577
## 5806	+		+	+	+			16	-1928.579
## 2501	+	+			+			16	-1928.584
## 14825	+	+			+	+ 3.211e+02		19	-1924.978
## 6626	+	+			+	+		18	-1926.195
## 26817	+				+	4.561e+02	-26.36000	16	-1928.592
## 19364	+	+	+		+		46.50000	23	-1920.001
## 18881	+	+			+		-62.68000	16	-1928.604
## 1966	+	+	+	+				16	-1928.610
## 10441	+				+	4.866e+02		16	-1928.614
## 30949	+				+	+ 2.779e+02	-140.40000	19	-1925.008
## 19886	+	+		+	+		115.40000	20	-1923.796
## 14529	+				+	+ 5.017e+02		16	-1928.641
## 22160	+		+	+	+		199.60000	20	-1923.813
## 32175	+	+		+	+	+ 6.353e+00	220.00000	25	-1917.469
## 15268	+	+	+		+	+ 2.810e+02		24	-1918.776
## 11434	+			+	+	1.870e+02		18	-1926.271
## 19368	+	+	+		+		-17.76000	24	-1918.778
## 15528	+			+	+	+ -5.161e+01		23	-1920.103
## 31656	+	+	+		+	+ 4.420e+02	47.37000	26	-1916.210
## 10726	+	+			+	3.090e+02		19	-1925.104
## 26275	+		+	+		3.427e+02	241.90000	18	-1926.324
## 3246	+			+	+			18	-1926.330
## 2498	+	+			+			16	-1928.735
## 31915	+			+	+	+ 2.354e+02	212.50000	23	-1920.141
## 26508	+	+	+	+		1.711e+02	205.90000	20	-1923.910
## 14818	+	+			+	+ 3.298e+02		19	-1925.162
## 24203	+		+	+	+	+	200.00000	23	-1920.167

## 18320	+	+	+	+			206.00000	20	-1923.937	
## 5772	+		+	+	+			18	-1926.383	
## 17836	+	+		+			208.90000	18	-1926.392	
## 23978	+	+		+	+	+	96.64000	20	-1923.954	
## 18339	+	+	+	+			222.40000	18	-1926.400	
## 18094	+		+	+			44.14000	16	-1928.805	
## 23727	+			+	+	+	189.80000	23	-1920.206	
## 28074	+	+		+	+	8.827e+01	110.10000	20	-1923.975	
## 2285	+				+			17	-1927.625	
## 23464	+	+	+		+	+	-15.63000	25	-1917.630	
## 32651	+	+	+	+	+	+	4.762e+02	307.70000	25	-1917.643
## 23696	+			+	+	+	318.40000	23	-1920.230	
## 28071	+	+		+	+	1.541e+02	339.00000	23	-1920.249	
## 14821	+	+			+	+	3.057e+02	19	-1925.260	
## 9903	+		+	+		8.376e+01		19	-1925.283	
## 26256	+		+	+		2.386e+02	221.50000	20	-1924.058	
## 13995	+		+	+	+	7.047e+01		19	-1925.301	
## 10690	+	+			+	3.290e+02		17	-1927.729	
## 1932	+	+	+	+				18	-1926.529	
## 30378	+		+	+	+	2.912e+02	91.51000	17	-1927.733	
## 26287	+		+	+		2.231e+02	155.10000	20	-1924.096	
## 32163	+	+		+	+	+	1.549e+02	323.30000	23	-1920.334
## 14570	+				+	+	4.422e+02	19	-1925.333	
## 10478	+				+	4.295e+02		19	-1925.336	
## 30379	+		+	+	+	2.326e+02	146.80000	20	-1924.107	
## 5807	+		+	+		+		19	-1925.343	
## 2505	+	+			+			16	-1928.967	
## 6593	+	+			+	+		16	-1928.970	
## 7338	+			+	+	+		18	-1926.591	
## 27114	+	+			+	1.389e+02	-126.40000	20	-1924.149	
## 6056	+	+	+	+		+		20	-1924.150	
## 27110	+	+			+	1.319e+02	-138.60000	20	-1924.154	
## 31202	+	+			+	+	1.301e+02	-133.30000	20	-1924.162
## 10693	+	+			+	2.979e+02		17	-1927.813	
## 23975	+	+		+	+	+	314.70000	23	-1920.418	
## 19626	+			+	+		39.84000	18	-1926.630	
## 14573	+				+	+	4.275e+02	19	-1925.420	
## 13992	+		+	+		+	1.083e+02	20	-1924.208	
## 27117	+	+			+	1.415e+02	-130.80000	20	-1924.218	
## 22762	+				+	+	-191.20000	19	-1925.450	
## 3723	+		+	+	+			21	-1922.982	
## 18670	+				+		-186.70000	19	-1925.454	
## 31209	+	+			+	+	1.381e+02	-127.20000	20	-1924.228
## 1680	+		+	+				18	-1926.691	
## 24196	+		+	+	+	+	508.90000	23	-1920.485	
## 24459	+	+	+	+	+	+	226.70000	24	-1919.204	
## 19623	+			+	+		284.70000	21	-1923.015	
## 31205	+	+			+	+	1.250e+02	-142.00000	20	-1924.260
## 18926	+	+			+		-159.60000	20	-1924.270	
## 23014	+	+			+	+	-162.00000	20	-1924.272	
## 23018	+	+			+	+	-154.60000	20	-1924.277	
## 31652	+	+	+		+	+	4.263e+02	119.10000	25	-1917.933
## 23460	+	+	+		+	+	56.29000	24	-1919.235	
## 9868	+		+	+		1.363e+01		18	-1926.730	

## 27073	+	+		+	3.056e+02	-16.56000	17	-1927.935
## 21932	+	+		+	+	232.10000	19	-1925.521
## 10697	+	+		+	3.327e+02		17	-1927.943
## 20100	+		+	+		501.40000	22	-1921.806
## 22758	+			+	+	-198.90000	19	-1925.532
## 14785	+	+		+	3.318e+02		17	-1927.952
## 22765	+			+	+	-185.70000	19	-1925.544
## 1956	+	+	+	+			18	-1926.781
## 27818	+			+	3.420e+02	127.40000	19	-1925.573
## 23021	+	+		+	+	-159.10000	20	-1924.351
## 30604	+	+	+	+	1.775e+02	227.50000	21	-1923.112
## 1960	+	+	+	+			19	-1925.618
## 24207	+		+	+	+	243.40000	24	-1919.353
## 23715	+			+	+	262.90000	21	-1923.164
## 26286	+		+	+	2.789e+02	94.72000	17	-1928.060
## 9892	+		+	+	3.602e+01		18	-1926.875
## 13766	+	+		+	-1.310e+02		15	-1930.446
## 11694	+	+		+	-7.927e+01		20	-1924.438
## 31888	+			+	3.208e+02	381.50000	24	-1919.396
## 10438	+			+	4.233e+02		17	-1928.097
## 9896	+		+	+	1.222e+02		19	-1925.690
## 2245	+			+			15	-1930.477
## 15786	+	+		+	-6.182e+01		20	-1924.466
## 15791	+	+		+	-2.414e+02		24	-1919.419
## 7598	+	+		+	+		20	-1924.472
## 2273	+			+			15	-1930.487
## 22191	+		+	+	+	123.80000	20	-1924.478
## 26538	+	+	+	+	2.500e+02	76.48000	17	-1928.125
## 22416	+	+	+	+	+	217.40000	21	-1923.265
## 32144	+	+		+	1.672e+02	372.90000	25	-1918.164
## 22442	+	+	+	+	+	51.02000	17	-1928.162
## 2282	+			+			17	-1928.162
## 14250	+	+	+	+	1.424e+02		17	-1928.164
## 14566	+			+	4.498e+02		19	-1925.752
## 18625	+			+		-127.50000	15	-1930.547
## 2542	+	+		+			19	-1925.766
## 7343	+			+	+		22	-1922.046
## 6377	+			+	+		17	-1928.192
## 30352	+		+	+	2.436e+02	235.20000	21	-1923.309
## 13998	+		+	+	1.812e+02		17	-1928.200
## 15531	+			+	-1.800e+01		22	-1922.066
## 2278	+			+			17	-1928.223
## 27815	+			+	3.374e+02	345.10000	22	-1922.087
## 10159	+	+	+	+	-4.563e+01		20	-1924.597
## 6637	+	+		+	+		19	-1925.832
## 6063	+	+	+	+	+		20	-1924.610
## 14251	+	+	+	+	-5.738e+01		20	-1924.612
## 6634	+	+		+	+		19	-1925.849
## 26543	+	+	+	+	9.312e+01	156.20000	21	-1923.386
## 11439	+			+	-3.444e+01		22	-1922.132
## 26818	+			+	4.520e+02	-19.23000	17	-1928.288
## 14530	+			+	4.794e+02		17	-1928.294
## 6052	+	+	+	+	+		19	-1925.877
## 22179	+		+	+	+	204.00000	18	-1927.099

## 22447	+	+	+	+	+	147.00000	21	-1923.414
## 30635	+	+	+	+	+	1.049e+02	146.40000	21 -1923.416
## 10442	+				+	4.825e+02	17	-1928.314
## 14533	+				+	4.267e+02	17	-1928.320
## 26821	+				+	4.179e+02	-5.86900	17 -1928.325
## 10445	+				+	4.271e+02	17	-1928.326
## 6062	+	+	+	+	+		17	-1928.331
## 26531	+	+	+	+		2.521e+02	247.60000	19 -1925.929
## 32655	+	+	+	+	+	4.442e+02	339.30000	26 -1917.042
## 30954	+				+	2.870e+02	-116.50000	20 -1924.704
## 31907	+			+	+	3.411e+02	325.60000	22 -1922.217
## 26862	+				+	2.898e+02	-118.60000	20 -1924.716
## 13988	+		+	+	+	9.718e+00	19	-1925.945
## 6630	+	+			+		19	-1925.945
## 19630	+			+	+		85.53000	19 -1925.947
## 28290	+		+	+	+	7.830e+02	542.50000	19 -1925.967
## 24463	+	+	+	+	+		269.70000	25 -1918.393
## 18350	+	+	+	+			61.73000	17 -1928.391
## 1705	+		+	+			13	-1933.077
## 22190	+		+	+	+		52.39000	17 -1928.415
## 18882	+	+			+		-58.56000	17 -1928.418
## 18885	+	+			+		-44.54000	17 -1928.426
## 2502	+	+			+		17	-1928.429
## 18889	+	+			+		-87.86000	17 -1928.431
## 10158	+	+	+	+		1.420e+02	17	-1928.448
## 30957	+				+	2.893e+02	-117.90000	20 -1924.809
## 6373	+				+		17	-1928.466
## 30950	+				+	2.795e+02	-136.10000	20 -1924.842
## 31919	+			+	+	2.230e+02	237.30000	24 -1919.810
## 17580	+			+			187.50000	17 -1928.508
## 30371	+		+	+	+	3.394e+02	247.80000	19 -1926.096
## 2509	+	+			+		17	-1928.515
## 11438	+			+	+	1.421e+02	19	-1926.102
## 18087	+		+	+			208.00000	18 -1927.318
## 14826	+	+			+	3.197e+02	20	-1924.879
## 10734	+	+			+	3.141e+02	20	-1924.887
## 22435	+	+	+	+	+		228.70000	19 -1926.158
## 6597	+	+			+		17	-1928.581
## 17840	+	+		+			231.50000	19 -1926.170
## 26825	+				+	4.577e+02	-22.09000	17 -1928.589
## 30913	+				+	4.568e+02	-26.52000	17 -1928.590
## 28297	+		+	+	+	6.950e+02	260.30000	19 -1926.174
## 22977	+	+			+		-62.87000	17 -1928.603
## 15530	+			+	+	1.766e+02	19	-1926.190
## 14829	+	+			+	3.119e+02	20	-1924.966
## 14537	+				+	4.871e+02	17	-1928.613
## 6028	+	+	+	+	+		19	-1926.221
## 23982	+	+		+	+		117.60000	21 -1923.753
## 28078	+	+		+	+	7.280e+01	129.50000	21 -1923.761
## 26512	+	+	+	+		1.564e+02	224.20000	21 -1923.763
## 28546	+	+	+	+	+	9.592e+02	516.90000	20 -1925.007
## 5776	+		+	+	+		19	-1926.251
## 7819	+		+	+	+		22	-1922.534
## 7342	+			+	+		19	-1926.269

## 2274	+			+				16	-1929.883	
## 18629	+			+			-82.93000	16	-1929.892	
## 2506	+	+		+				17	-1928.705	
## 6594	+	+		+	+			17	-1928.713	
## 28301	+		+	+	+	6.050e+02	294.10000	20	-1925.067	
## 26279	+		+	+		3.405e+02	248.10000	19	-1926.314	
## 14822	+	+			+	+	3.084e+02	20	-1925.099	
## 2286	+				+			18	-1927.548	
## 3979	+	+	+	+	+			22	-1922.624	
## 21676	+			+		+	212.20000	18	-1927.574	
## 26028	+	+		+		-6.461e+01	199.10000	19	-1926.362	
## 32170	+	+		+	+	+	8.834e+01	21	-1923.902	
## 18343	+	+	+	+			231.80000	19	-1926.377	
## 13964	+		+	+	+	-3.037e+00		19	-1926.383	
## 9897	+		+	+		2.367e+02		14	-1932.332	
## 27822	+			+	+	3.007e+02	153.00000	20	-1925.156	
## 6381	+				+	+		18	-1927.603	
## 1961	+	+	+	+				14	-1932.365	
## 11915	+		+	+	+	1.675e+02		22	-1922.693	
## 10694	+	+			+	3.021e+02		18	-1927.636	
## 2731	+		+		+			21	-1923.967	
## 2241	+				+			14	-1932.390	
## 23722	+			+	+	+	48.61000	19	-1926.448	
## 10698	+	+			+	3.329e+02		18	-1927.677	
## 30382	+		+	+	+	2.769e+02	102.50000	18	-1927.678	
## 1936	+	+	+	+				19	-1926.469	
## 30634	+	+	+	+	+	2.550e+02	91.10000	18	-1927.701	
## 20356	+	+	+	+	+		519.30000	23	-1921.501	
## 10124	+	+	+	+		-6.126e+01		19	-1926.498	
## 24452	+	+	+	+	+	+	525.20000	24	-1920.224	
## 13999	+		+	+	+	8.340e+01		20	-1925.276	
## 27074	+	+			+	3.120e+02	-11.18000	18	-1927.720	
## 14786	+	+			+	+	3.272e+02	18	-1927.721	
## 30383	+		+	+	+	2.252e+02	158.50000	21	-1924.052	
## 32167	+	+		+	+	+	1.537e+02	24	-1920.248	
## 14574	+				+	+	4.268e+02	20	-1925.311	
## 10701	+	+			+	2.956e+02		18	-1927.757	
## 6601	+	+			+	+		17	-1928.967	
## 14248	+	+	+	+	+	6.332e+01		21	-1924.118	
## 14789	+	+			+	+	2.988e+02	18	-1927.806	
## 27077	+	+			+	2.936e+02	-3.31300	18	-1927.812	
## 10923	+		+		+	3.242e+02		22	-1922.876	
## 27118	+	+			+	1.430e+02	-131.20000	21	-1924.133	
## 18626	+				+		-119.00000	16	-1930.213	
## 31210	+	+			+	+	1.390e+02	-125.70000	21	-1924.147
## 2246	+				+			16	-1930.227	
## 31206	+	+			+	+	1.318e+02	-138.40000	21	-1924.152
## 21936	+	+		+	+		246.60000	20	-1925.414	
## 31914	+			+	+	+	3.356e+02	133.40000	20	-1925.432
## 22766	+				+	+	-185.30000	20	-1925.436	
## 27081	+	+			+	2.845e+02	-33.58000	18	-1927.886	
## 3727	+		+	+	+			22	-1922.947	
## 9872	+		+	+		3.205e+01		19	-1926.681	
## 31213	+	+			+	+	1.414e+02	-131.00000	21	-1924.217



## 31169	+	+		+	+	3.064e+02	-16.78000	18	-1927.931	
## 14793	+	+		+	+	3.340e+02		18	-1927.938	
## 30124	+	+		+	+	-5.927e+01	223.00000	20	-1925.496	
## 20104	+		+	+	+		516.10000	23	-1921.734	
## 1709	+		+	+				14	-1932.684	
## 23022	+	+			+	+	-159.10000	21	-1924.266	
## 23719	+			+	+	+	285.00000	22	-1923.012	
## 32386	+		+	+	+	+	7.647e+02	20	-1925.527	
## 24200	+		+	+	+	+	512.80000	24	-1920.480	
## 10148	+	+	+	+		-1.135e+01		19	-1926.780	
## 30608	+	+	+	+	+	1.685e+02	237.30000	22	-1923.063	
## 6378	+				+	+		18	-1928.008	
## 26542	+	+	+	+		2.340e+02	93.84000	18	-1928.008	
## 10152	+	+	+	+		7.157e+01		20	-1925.577	
## 2253	+				+			16	-1930.452	
## 6369	+				+	+		16	-1930.458	
## 22446	+	+	+	+	+		67.85000	18	-1928.067	
## 10446	+				+	4.287e+02		18	-1928.077	
## 6341	+				+	+		16	-1930.477	
## 14534	+				+	+	4.222e+02	18	-1928.091	
## 26822	+				+	4.198e+02	-2.58800	18	-1928.097	
## 15790	+	+		+	+	+	-8.059e+01	21	-1924.416	
## 18890	+	+			+		-89.92000	18	-1928.142	
## 30627	+	+	+	+	+	2.488e+02	253.50000	20	-1925.699	
## 18633	+				+		-132.40000	16	-1930.542	
## 32642	+	+	+	+	+	+	9.480e+02	21	-1924.466	
## 22721	+				+	+	-127.30000	16	-1930.546	
## 26274	+		+	+		3.685e+02	217.80000	15	-1931.724	
## 14254	+	+	+	+	+	1.441e+02		18	-1928.163	
## 18893	+	+			+		-71.05000	18	-1928.190	
## 6638	+	+			+	+		20	-1925.748	
## 6374	+				+	+		18	-1928.193	
## 17584	+			+			214.80000	18	-1928.201	
## 2242	+				+			15	-1931.786	
## 2249	+				+			15	-1931.813	
## 15535	+			+	+	-3.019e+01		23	-1922.036	
## 30914	+				+	+	4.495e+02	-18.14000	18	-1928.271
## 14255	+	+	+	+	+	-4.565e+01		21	-1924.593	
## 26826	+				+	4.495e+02	-25.25000	18	-1928.281	
## 18886	+	+			+		-43.03000	18	-1928.281	
## 32397	+		+	+	+	+	6.037e+02	284.00000	21	-1924.597
## 30639	+	+	+	+	+	9.575e+01	159.20000	22	-1923.349	
## 14538	+				+	+	4.776e+02		18	-1928.294
## 31911	+			+	+	+	3.371e+02	345.10000	23	-1922.087
## 23726	+			+	+	+	89.27000	20	-1925.854	
## 32393	+		+	+	+	+	6.992e+02	250.10000	20	-1925.858
## 22183	+		+	+	+	+	210.50000	19	-1927.088	
## 18082	+		+	+			145.30000	14	-1933.041	
## 2510	+	+			+			18	-1928.308	
## 14244	+	+	+	+	+	-3.230e+01		20	-1925.869	
## 30917	+				+	+	4.188e+02	-5.95000	18	-1928.318
## 14541	+				+	+	4.286e+02		18	-1928.318
## 26829	+				+	4.147e+02	-10.53000	18	-1928.320	
## 18089	+		+	+			11.44000	14	-1933.067	

## 26281	+		+	+		3.475e+02	88.00000	15	-1931.904
## 5801	+		+	+	+			14	-1933.076
## 25772	+			+		1.415e+02	211.50000	18	-1928.344
## 8075	+	+	+	+	+			23	-1922.135
## 2700	+		+		+			21	-1924.661
## 26535	+	+	+	+		2.497e+02	254.10000	20	-1925.917
## 1699	+		+	+				16	-1930.776
## 1452	+	+		+				17	-1929.587
## 30958	+				+	2.890e+02	-117.60000	21	-1924.702
## 16011	+		+	+	+	1.839e+02		23	-1922.186
## 10922	+		+		+	5.240e+02		19	-1927.185
## 22978	+	+			+		-57.64000	18	-1928.407
## 28294	+		+	+	+	7.862e+02	539.80000	20	-1925.965
## 22985	+	+			+		-89.34000	18	-1928.421
## 22981	+	+			+		-44.69000	18	-1928.422
## 6598	+	+			+			18	-1928.424
## 2987	+	+	+		+			22	-1923.528
## 18630	+				+		-80.10000	17	-1929.681
## 15534	+			+	+	1.380e+02		20	-1926.054
## 6605	+	+			+			18	-1928.506
## 3212	+			+	+			20	-1926.062
## 6032	+	+	+	+				20	-1926.068
## 6370	+				+			17	-1929.717
## 28553	+	+	+	+	+	6.269e+02	256.40000	20	-1926.077
## 30375	+		+	+	+	3.385e+02	250.30000	20	-1926.094
## 14830	+	+			+	3.133e+02		21	-1924.873
## 26032	+	+		+		-7.597e+01	220.50000	20	-1926.130
## 19115	+		+		+		-74.63000	22	-1923.635
## 30921	+				+	4.582e+02	-22.58000	18	-1928.587
## 22439	+	+	+	+			234.20000	20	-1926.150
## 10153	+	+	+	+		1.527e+02		15	-1932.168
## 3497	+	+		+	+			17	-1929.803
## 30370	+		+	+	+	3.520e+02	230.50000	16	-1931.001
## 1674	+		+	+				13	-1934.504
## 14220	+	+	+	+	+	-7.264e+01		20	-1926.178
## 29868	+			+	+	1.424e+02	236.30000	19	-1927.407
## 21680	+			+	+		230.60000	19	-1927.410
## 18637	+				+		-97.56000	17	-1929.832
## 22178	+		+	+	+		162.50000	15	-1932.208
## 18345	+	+	+	+			46.87000	15	-1932.215
## 1965	+	+	+	+				15	-1932.215
## 7823	+		+	+	+			23	-1922.445
## 32174	+	+		+	+	7.381e+01	132.00000	22	-1923.716
## 9901	+		+	+		1.997e+02		15	-1932.240
## 6602	+	+			+			18	-1928.684
## 1196	+			+				16	-1931.078
## 28550	+	+	+	+	+	9.557e+02	521.40000	21	-1925.000
## 22725	+				+		-83.05000	17	-1929.890
## 13968	+		+	+	+	2.605e+01		20	-1926.245
## 9644	+	+		+		-3.214e+02		18	-1928.701
## 6382	+				+			19	-1927.490
## 28557	+	+	+	+	+	5.614e+02	290.80000	21	-1925.024
## 3468	+	+		+	+			21	-1925.033
## 10927	+		+		+	3.732e+02		23	-1922.512

## 10702	+	+			+	2.995e+02		19	-1927.528
## 12171	+	+	+	+	+	1.053e+02		23	-1922.533
## 13993	+		+	+	+	2.398e+02		15	-1932.325
## 31918	+			+	+	2.984e+02	156.00000	21	-1925.074
## 19114	+		+		+		-219.40000	19	-1927.556
## 26250	+		+	+		4.292e+02	153.00000	15	-1932.356
## 6057	+	+	+	+	+			15	-1932.357
## 6337	+				+	+		15	-1932.370
## 21924	+	+		+	+		346.60000	18	-1928.803
## 2735	+		+		+			22	-1923.867
## 3983	+	+	+	+	+			23	-1922.606
## 27082	+	+			+	2.808e+02	-36.30000	19	-1927.610
## 14790	+	+			+	3.017e+02		19	-1927.633
## 27078	+	+			+	3.014e+02	-0.54480	19	-1927.636
## 27810	+			+	+	3.885e+02	274.60000	18	-1928.864
## 30638	+	+	+	+	+	2.441e+02	101.60000	19	-1927.651
## 19874	+	+		+	+		237.20000	18	-1928.874
## 6827	+		+		+	+		22	-1923.940
## 14794	+	+			+	3.312e+02		19	-1927.670
## 27306	+		+		+	3.526e+02	-126.70000	20	-1926.448
## 18093	+		+	+			61.09000	15	-1932.467
## 10128	+	+	+	+		-4.306e+01		20	-1926.455
## 11919	+		+	+	+	1.635e+02		23	-1922.691
## 10892	+		+		+	2.579e+02		22	-1923.977
## 1703	+		+	+				17	-1930.124
## 20360	+	+	+	+	+		534.20000	24	-1921.428
## 31170	+	+			+	3.113e+02	-10.52000	19	-1927.713
## 27085	+	+			+	2.639e+02	-23.83000	19	-1927.729
## 14797	+	+			+	2.967e+02		19	-1927.742
## 18634	+				+		-133.70000	17	-1930.167
## 22722	+				+	+	-116.30000	17	-1930.168
## 19618	+			+	+		181.80000	17	-1930.190
## 6342	+				+	+		17	-1930.205
## 9866	+		+	+		2.410e+02		14	-1933.743
## 24456	+	+	+	+	+	+	529.60000	25	-1920.218
## 31173	+	+			+	2.944e+02	-3.39600	19	-1927.805
## 2254	+				+			17	-1930.224
## 15019	+		+		+	3.297e+02		23	-1922.818
## 11179	+	+	+		+	2.897e+02		23	-1922.824
## 30128	+	+		+	+	-6.763e+01	236.70000	21	-1925.382
## 31214	+	+			+	1.434e+02	-130.60000	22	-1924.129
## 2250	+				+			16	-1931.468
## 2723	+		+		+			20	-1926.633
## 27307	+		+		+	3.149e+02	-7.57500	23	-1922.873
## 31177	+	+			+	2.843e+02	-35.03000	19	-1927.877
## 17828	+	+		+			328.00000	17	-1930.294
## 5805	+		+	+	+			15	-1932.669
## 1930	+	+	+	+				14	-1933.845
## 10926	+		+		+	5.999e+02		20	-1926.691
## 18894	+	+			+		-74.64000	19	-1927.950
## 26285	+		+	+		3.095e+02	116.80000	16	-1931.579
## 32390	+		+	+	+	7.744e+02	536.70000	21	-1925.501
## 27310	+		+		+	4.079e+02	-165.40000	21	-1925.513
## 26530	+	+	+	+		4.293e+02	210.10000	16	-1931.616

## 6796	+		+		+	+				22	-1924.308
## 6349	+				+	+				17	-1930.452
## 6338	+				+	+				16	-1931.646
## 19881	+	+		+	+			97.42000		18	-1929.266
## 26830	+				+		4.115e+02	-14.59000		19	-1928.066
## 25776	+			+			1.266e+02	234.70000		19	-1928.071
## 14542	+				+	+	4.276e+02			19	-1928.073
## 1678	+		+	+						14	-1934.034
## 3491	+	+		+	+					20	-1926.862
## 30918	+				+	+	4.191e+02	-2.33600		19	-1928.091
## 5548	+	+		+		+				18	-1929.312
## 26278	+		+	+			3.732e+02	211.90000		16	-1931.716
## 1955	+	+	+	+						17	-1930.531
## 22729	+				+	+		-132.10000		17	-1930.542
## 11913	+		+	+	+		4.010e+02			18	-1929.340
## 26537	+	+	+	+			2.636e+02	87.93000		16	-1931.740
## 22986	+	+			+	+		-89.12000		19	-1928.139
## 26254	+		+	+			3.702e+02	185.80000		16	-1931.757
## 10915	+		+		+		3.062e+02			21	-1925.685
## 30631	+	+	+	+		+	2.477e+02	256.30000		21	-1925.697
## 22989	+	+			+	+		-72.77000		19	-1928.168
## 6345	+				+	+				16	-1931.779
## 18338	+	+	+	+				160.50000		15	-1932.957
## 3235	+			+	+					19	-1928.174
## 32646	+	+	+	+	+	+	9.491e+02	517.40000		22	-1924.465
## 19118	+		+		+			-261.40000		20	-1926.964
## 5770	+		+	+		+				14	-1934.156
## 32649	+	+	+	+	+	+	6.235e+02	245.30000		21	-1925.738
## 2704	+		+		+					22	-1924.490
## 10919	+		+		+		3.949e+02			22	-1924.496
## 18058	+		+	+				64.82000		14	-1934.175
## 18349	+	+	+	+				82.52000		16	-1931.835
## 27276	+		+		+		4.102e+02	122.20000		23	-1923.248
## 18086	+		+	+				153.50000		15	-1933.030
## 11660	+	+		+	+		-2.416e+02			22	-1924.520
## 18062	+		+	+				125.30000		15	-1933.047
## 32653	+	+	+	+	+	+	5.526e+02	280.00000		22	-1924.538
## 30922	+				+	+	4.473e+02	-23.57000		19	-1928.265
## 22982	+	+			+	+		-42.81000		19	-1928.278
## 22185	+		+	+		+		12.80000		15	-1933.064
## 19084	+		+		+			40.75000		22	-1924.554
## 11178	+	+	+		+		5.951e+02			20	-1927.057
## 30346	+		+	+		+	4.181e+02	168.20000		16	-1931.897
## 21668	+			+		+		325.60000		17	-1930.709
## 5795	+		+	+		+				17	-1930.709
## 7593	+	+		+	+	+				18	-1929.509
## 16267	+	+	+	+	+	+	1.200e+02			24	-1922.016
## 30377	+		+	+		+	3.473e+02	88.67000		16	-1931.903
## 19119	+		+		+			-105.00000		23	-1923.304
## 20365	+	+	+	+	+			201.80000		20	-1927.075
## 6606	+	+			+	+				19	-1928.306
## 1456	+	+		+						18	-1929.525
## 30925	+				+	+	4.150e+02	-11.64000		19	-1928.311
## 19371	+	+	+		+			-60.61000		23	-1923.317

## 5292	+			+		+		17	-1930.732	
## 9891	+		+	+			6.639e+01	17	-1930.732	
## 2956	+	+	+		+			22	-1924.592	
## 15018	+		+		+	+	5.130e+02	20	-1927.098	
## 18314	+	+	+	+				100.70000	15	-1933.114
## 13740	+	+		+		+	-3.379e+02	19	-1928.336	
## 18638	+				+			-101.10000	18	-1929.559
## 8079	+	+	+	+	+	+		24	-1922.072	
## 2991	+	+	+		+			23	-1923.386	
## 7308	+			+	+	+		21	-1925.927	
## 20109	+		+	+	+			177.50000	19	-1928.399
## 1698	+		+	+				13	-1935.506	
## 28066	+	+		+	+		2.618e+02	281.30000	19	-1928.412
## 30626	+	+	+	+		+	4.250e+02	221.70000	17	-1930.843
## 16015	+		+	+	+	+	1.713e+02	24	-1922.162	
## 22726	+				+	+		-79.52000	18	-1929.669
## 2727	+		+		+			21	-1925.987	
## 3501	+	+		+	+			18	-1929.674	
## 11404	+			+	+		-7.774e+01	21	-1926.000	
## 7083	+	+	+		+	+		23	-1923.492	
## 10157	+	+	+	+			1.244e+02	16	-1932.095	
## 29872	+			+		+	1.316e+02	251.50000	20	-1927.268
## 3216	+			+	+			21	-1926.040	
## 9388	+			+			-1.163e+02	17	-1930.942	
## 14224	+	+	+	+		+	-4.268e+01	21	-1926.054	
## 30374	+		+	+		+	3.640e+02	215.10000	17	-1930.947
## 1959	+	+	+	+				18	-1929.750	
## 11689	+	+		+	+		-7.128e+01	18	-1929.759	
## 14249	+	+	+	+		+	1.550e+02	16	-1932.154	
## 22434	+	+	+	+		+		172.80000	16	-1932.167
## 10896	+		+		+		3.089e+02	23	-1923.567	
## 23211	+		+		+	+		-78.65000	23	-1923.578
## 6061	+	+	+	+		+		16	-1932.185	
## 22182	+		+	+		+		158.40000	16	-1932.205
## 22441	+	+	+	+		+		46.36000	16	-1932.214
## 31906	+			+	+	+	3.787e+02	279.70000	19	-1928.608
## 22733	+				+	+		-98.59000	18	-1929.826
## 13997	+		+	+		+	2.016e+02	16	-1932.218	
## 26506	+	+	+	+			3.564e+02	152.50000	16	-1932.235
## 17804	+	+		+				279.30000	17	-1931.059
## 23970	+	+		+	+	+		242.40000	19	-1928.644
## 1200	+			+				17	-1931.064	
## 23714	+			+	+	+		190.20000	18	-1929.868
## 17572	+			+				305.90000	16	-1932.266
## 7564	+	+		+	+	+		22	-1924.941	
## 20361	+	+	+	+	+			145.30000	19	-1928.671
## 3495	+	+		+	+			21	-1926.219	
## 19370	+	+	+		+			-207.50000	20	-1927.463
## 1702	+		+	+				14	-1934.641	
## 3977	+	+	+	+	+			18	-1929.910	
## 9648	+	+		+			-3.181e+02	19	-1928.699	
## 14988	+		+		+	+	2.425e+02	23	-1923.707	
## 23915		+		+	+	+		331.10000	19	-1928.704
## 23210	+		+		+	+		-214.20000	20	-1927.478

## 27086	+	+		+	2.630e+02	-27.57000	20	-1927.490
## 11683	+	+		+	-2.663e+02		21	-1926.249
## 30116	+	+		+	+ 1.030e+02	358.20000	19	-1928.725
## 9895	+		+	+	1.390e+02		18	-1929.945
## 27311	+		+	+	3.330e+02	-37.82000	24	-1922.454
## 18318	+	+	+	+		145.10000	16	-1932.348
## 11183	+	+	+	+	3.406e+02		24	-1922.467
## 13962	+		+	+	+ 2.208e+02		15	-1933.531
## 5799	+		+	+	+		18	-1929.962
## 16009	+		+	+	+ 4.228e+02		19	-1928.747
## 14798	+	+		+	+ 2.994e+02		20	-1927.527
## 3472	+	+		+	+		22	-1925.030
## 26273	+		+	+	4.044e+02	215.70000	14	-1934.710
## 15023	+		+	+	+ 3.746e+02		24	-1922.490
## 21928	+	+		+	+	353.10000	19	-1928.787
## 12175	+	+	+	+	9.962e+01		24	-1922.529
## 17835	+	+		+		217.00000	17	-1931.235
## 27562	+	+	+	+	4.167e+02	-123.70000	21	-1926.355
## 9870	+		+	+	1.963e+02		15	-1933.612
## 10122	+	+	+	+	1.660e+02		15	-1933.615
## 19885	+	+		+		130.10000	19	-1928.831
## 31178	+	+		+	+ 2.808e+02	-35.48000	20	-1927.607
## 22154	+		+	+	+	84.11000	15	-1933.627
## 27814	+			+	3.811e+02	282.60000	19	-1928.846
## 1934	+	+	+	+			15	-1933.633
## 6831	+		+	+	+		23	-1923.855
## 27299	+		+	+	4.325e+02	99.98000	22	-1925.127
## 22189	+		+	+	+	60.07000	16	-1932.463
## 6026	+	+	+	+	+		15	-1933.641
## 31174	+	+		+	+ 3.012e+02	-0.37930	20	-1927.633
## 31402	+		+	+	+ 3.483e+02	-123.80000	21	-1926.399
## 19878	+	+		+	+	238.00000	19	-1928.874
## 19622	+			+	+	205.20000	18	-1930.089
## 3725	+		+	+	+		18	-1930.093
## 29860	+			+	+ 2.666e+02	360.00000	18	-1930.112
## 22730	+			+	+	-130.20000	18	-1930.128
## 6346	+			+	+		17	-1931.336
## 2979	+	+	+	+	+		21	-1926.457
## 31181	+	+		+	+ 2.628e+02	-25.58000	20	-1927.710
## 11917	+		+	+	3.250e+02		19	-1928.946
## 11148	+	+	+	+	2.749e+02		23	-1923.965
## 15022	+		+	+	+ 5.926e+02		21	-1926.493
## 3721	+		+	+	+		17	-1931.398
## 26020	+	+		+	1.138e+02	341.00000	18	-1930.201
## 6350	+			+	+		18	-1930.202
## 17832	+	+		+		344.20000	18	-1930.204
## 6800	+		+	+	+		23	-1924.000
## 3239	+			+	+		20	-1927.770
## 24461	+	+	+	+	+	191.70000	21	-1926.534
## 3241	+			+	+		16	-1932.624
## 26541	+	+	+	+	2.379e+02	115.10000	17	-1931.453
## 15275	+	+	+	+	+ 2.949e+02		24	-1922.765
## 10918	+		+	+	5.607e+02		19	-1929.044
## 30350	+		+	+	+ 3.694e+02	193.60000	17	-1931.466

## 23916		+		+	+	+	313.00000	20	-1927.820	
## 11182	+	+	+		+		6.611e+02	21	-1926.589	
## 23977	+	+		+	+	+	89.51000	19	-1929.062	
## 19107	+		+		+		22.79000	21	-1926.596	
## 31406	+		+		+	+	4.042e+02	-162.90000	22	-1925.349
## 5774	+		+	+		+		15	-1933.859	
## 31403	+		+		+	+	3.158e+02	-11.55000	24	-1922.812
## 27563	+	+	+		+		2.781e+02	-9.19500	24	-1922.821
## 6819	+		+		+	+		21	-1926.632	
## 22410	+	+	+	+		+	114.20000	16	-1932.729	
## 23180	+		+		+	+	53.32000	23	-1924.129	
## 31372	+		+		+	+	4.053e+02	133.40000	24	-1922.849
## 12169	+	+	+	+	+		3.063e+02	19	-1929.131	
## 5798	+		+	+		+		15	-1933.929	
## 22158	+		+	+		+	133.30000	16	-1932.755	
## 18081	+		+	+			135.70000	13	-1936.256	
## 30381	+		+	+		+	3.094e+02	115.90000	17	-1931.575
## 24205	+		+	+	+	+	167.50000	20	-1927.930	
## 5552	+	+		+		+		19	-1929.169	
## 22990	+	+			+	+	-74.68000	20	-1927.950	
## 17808	+	+		+			314.10000	18	-1930.394	
## 21900	+	+		+		+	301.20000	18	-1930.394	
## 19820		+		+	+		294.30000	19	-1929.180	
## 27566	+	+	+		+		4.554e+02	-162.40000	22	-1925.460
## 26534	+	+	+	+			4.304e+02	207.50000	17	-1931.615
## 25764	+			+			2.805e+02	342.60000	17	-1931.615
## 28073	+	+		+	+		7.945e+01	113.70000	19	-1929.226
## 3981	+	+	+	+	+			19	-1929.234	
## 5794	+		+	+		+		14	-1935.183	
## 23214	+		+		+	+	-257.80000	21	-1926.775	
## 19374	+	+	+		+		-248.20000	21	-1926.779	
## 19375	+	+	+		+		-91.27000	24	-1922.970	
## 7052	+	+	+		+	+		23	-1924.260	
## 6051	+	+	+	+		+		18	-1930.474	
## 26510	+	+	+	+			3.136e+02	184.30000	17	-1931.679
## 1954	+	+	+	+				14	-1935.236	
## 30926	+				+	+	4.112e+02	-14.00000	20	-1928.063
## 7587	+	+		+	+	+		21	-1926.843	
## 7597	+	+		+	+	+		19	-1929.315	
## 10147	+	+	+	+			-4.132e+00	18	-1930.531	
## 30633	+	+	+	+		+	2.635e+02	87.80000	17	-1931.740
## 13484	+			+		+	-1.353e+02	18	-1930.549	
## 27280	+		+		+		4.252e+02	105.50000	24	-1923.058
## 11427	+			+	+		-7.898e+01	20	-1928.110	
## 17548	+			+			257.50000	16	-1932.948	
## 18342	+	+	+	+			163.60000	16	-1932.955	
## 8073	+	+	+	+	+	+		19	-1929.355	
## 27303	+		+		+		4.459e+02	49.99000	23	-1924.378
## 15756	+	+		+	+	+	-2.505e+02	23	-1924.392	
## 7331	+			+	+	+		20	-1928.161	
## 2960	+	+	+		+			23	-1924.402	
## 15011	+		+		+	+	3.086e+02	22	-1925.673	
## 22445	+	+	+	+		+	80.96000	17	-1931.822	
## 30602	+	+	+	+		+	3.614e+02	167.10000	17	-1931.823

## 14992	+		+		+	+	2.996e+02		24	-1923.130
## 11171	+	+	+		+		3.077e+02		22	-1925.685
## 15274	+	+	+		+	+	5.887e+02		21	-1926.948
## 32162	+	+		+	+	+	2.581e+02	285.80000	20	-1928.194
## 16013	+		+	+	+	+	3.357e+02		20	-1928.200
## 7821	+		+	+	+	+			19	-1929.429
## 2983	+	+	+		+				22	-1925.708
## 19340	+	+	+		+			49.12000	23	-1924.442
## 19088	+		+		+			26.22000	23	-1924.451
## 5296	+			+		+			18	-1930.664
## 21672	+			+		+		336.50000	18	-1930.666
## 13987	+		+	+		+	6.123e+01		18	-1930.673
## 18059	+		+	+				188.70000	17	-1931.878
## 11664	+	+		+	+		-2.566e+02		23	-1924.477
## 15785	+	+		+	+	+	-5.869e+01		19	-1929.479
## 3245	+			+	+				17	-1931.898
## 15015	+		+		+	+	3.946e+02		23	-1924.496
## 11175	+	+	+		+		3.931e+02		23	-1924.496
## 27532	+	+	+		+		4.314e+02	122.70000	24	-1923.229
## 23467	+	+	+		+	+		-64.68000	24	-1923.255
## 13744	+	+		+		+	-3.250e+02		20	-1928.305
## 24457	+	+	+	+	+	+		134.30000	20	-1928.312
## 11687	+	+		+	+		-2.187e+02		22	-1925.822
## 22734	+				+	+		-100.20000	19	-1929.553
## 9894	+		+	+			1.667e+02		15	-1934.338
## 9890	+		+	+			1.233e+01		14	-1935.504
## 23215	+		+		+	+		-106.60000	24	-1923.277
## 3234	+			+	+				16	-1933.168
## 16271	+	+	+	+	+	+	1.050e+02		25	-1921.986
## 15500	+			+	+	+	-8.924e+01		22	-1925.846
## 11693	+	+		+	+		-1.086e+02		19	-1929.577
## 17839	+	+		+				248.70000	18	-1930.807
## 6055	+	+	+	+		+			19	-1929.594
## 20105	+		+	+	+			97.90000	18	-1930.809
## 30630	+	+	+	+		+	4.298e+02	210.20000	18	-1930.810
## 11433	+			+	+		2.151e+02		17	-1932.052
## 28070	+	+		+	+		2.620e+02	280.50000	20	-1928.412
## 7312	+			+	+	+			22	-1925.921
## 14253	+	+	+	+		+	1.243e+02		17	-1932.065
## 7087	+	+	+		+	+			24	-1923.369
## 24427		+	+	+	+	+		293.30000	21	-1927.187
## 19111	+		+		+			-26.26000	22	-1925.948
## 11408	+			+	+		-9.337e+01		22	-1925.955
## 2730	+		+		+				18	-1930.907
## 17576	+			+				327.10000	17	-1932.118
## 32107		+		+	+	+	1.870e+02	364.40000	20	-1928.473
## 8077	+	+	+	+	+	+			20	-1928.475
## 6823	+		+		+	+			22	-1925.981
## 22414	+	+	+	+		+		151.10000	17	-1932.125
## 10151	+	+	+	+			6.543e+01		19	-1929.717
## 11174	+	+	+		+		7.035e+02		20	-1928.496
## 9392	+			+			-1.140e+02		18	-1930.941
## 16265	+	+	+	+	+	+	3.207e+02		20	-1928.499
## 22438	+	+	+	+		+		166.30000	17	-1932.157



## 18315	+	+	+	+			212.50000	18	-1930.958	
## 17552	+			+			296.40000	17	-1932.166	
## 23981	+	+		+	+	+	123.50000	20	-1928.558	
## 13991	+		+	+		+	1.358e+02	19	-1929.791	
## 23718	+			+	+	+	208.10000	19	-1929.806	
## 7817	+		+	+	+	+		18	-1931.022	
## 21644	+			+		+	281.00000	17	-1932.227	
## 19819		+		+	+		315.00000	18	-1931.026	
## 26251	+		+	+			3.251e+02	240.00000	18	-1931.034
## 14218	+	+	+	+		+	1.573e+02		16	-1933.435
## 11152	+	+	+		+		3.298e+02		24	-1923.549
## 31910	+			+	+	+	3.748e+02	284.00000	20	-1928.603
## 25996	+	+		+			2.385e+01	282.70000	18	-1931.055
## 1958	+	+	+	+					15	-1934.630
## 13966	+		+	+	+		1.904e+02		16	-1933.462
## 30369	+		+	+	+		4.015e+02	219.00000	15	-1934.654
## 23974	+	+		+	+	+		239.90000	20	-1928.642
## 23466	+	+	+		+	+		-204.10000	21	-1927.402
## 10126	+	+	+	+			1.305e+02		16	-1933.502
## 21904	+	+		+		+		328.60000	19	-1929.900
## 6030	+	+	+	+		+			16	-1933.508
## 26277	+		+	+			3.962e+02	225.40000	15	-1934.690
## 26529	+	+	+	+			4.307e+02	212.40000	15	-1934.691
## 15014	+		+		+	+	5.526e+02		20	-1928.688
## 23919		+		+	+	+		334.80000	20	-1928.698
## 7568	+	+		+	+	+			23	-1924.941
## 30120	+	+		+		+	1.013e+02	364.00000	20	-1928.712
## 7591	+	+		+	+	+			22	-1926.218
## 31182	+	+			+	+	2.630e+02	-27.46000	21	-1927.490
## 15779	+	+		+	+	+	-2.643e+02		22	-1926.242
## 15244	+	+	+		+	+	2.623e+02		24	-1923.690
## 27567	+	+	+		+		2.972e+02	-39.27000	25	-1922.404
## 21931	+	+		+		+		221.10000	18	-1931.208
## 6050	+	+	+	+		+			15	-1934.779
## 26027	+	+		+			-5.271e+01	209.00000	18	-1931.216
## 31407	+		+		+	+	3.329e+02	-39.40000	25	-1922.427
## 12173	+	+	+	+	+		2.441e+02		20	-1928.778
## 31658	+	+	+		+	+	4.171e+02	-120.10000	22	-1926.292
## 15279	+	+	+		+	+	3.417e+02		25	-1922.444
## 28077	+	+		+	+		5.763e+01	141.30000	20	-1928.809
## 18063	+		+	+				230.20000	18	-1931.256
## 18337	+	+	+	+				162.60000	14	-1936.001
## 32108		+		+	+	+	1.892e+02	346.60000	21	-1927.582
## 13990	+		+	+		+	1.551e+02		16	-1933.666
## 7337	+			+	+	+			17	-1932.489
## 29864	+			+		+	2.634e+02	368.20000	19	-1930.085
## 15278	+	+	+		+	+	6.610e+02		22	-1926.364
## 19363	+	+	+		+			36.04000	22	-1926.370
## 27817	+			+	+		3.783e+02	134.30000	18	-1931.318
## 1697	+		+	+					12	-1938.350
## 27302	+		+		+		4.910e+02	-56.65000	20	-1928.886
## 26024	+	+		+			1.094e+02	355.90000	19	-1930.118
## 31395	+		+		+	+	4.333e+02	99.48000	23	-1925.122
## 31376	+		+		+	+	4.240e+02	113.50000	25	-1922.541

## 27555	+	+	+		+	4.311e+02	100.00000	23	-1925.127
## 19625	+			+	+		37.42000	17	-1932.542
## 10914	+		+		+	3.557e+02		18	-1931.352
## 28012		+		+	+	1.936e+02	328.80000	20	-1928.934
## 18085	+		+	+			163.80000	14	-1936.130
## 7075	+	+	+		+	+		22	-1926.455
## 2986	+	+	+		+			19	-1930.184
## 25740	+			+		2.076e+02	290.90000	17	-1932.609
## 30606	+	+	+	+	+	3.232e+02	192.10000	18	-1931.415
## 10146	+	+	+	+		1.712e+02		15	-1934.994
## 23184	+		+		+	+	34.52000	24	-1923.932
## 19629	+			+	+		97.19000	18	-1931.429
## 7056	+	+	+		+	+		24	-1923.935
## 3238	+			+	+			17	-1932.636
## 22177	+		+	+		+	140.30000	14	-1936.177
## 30637	+	+	+	+		2.365e+02	113.70000	18	-1931.446
## 11431	+			+	+	-3.223e+01		21	-1927.760
## 7335	+			+	+	+		21	-1927.770
## 32169	+	+		+	+	7.988e+01	105.90000	20	-1929.021
## 31662	+	+	+		+	4.592e+02	-159.40000	23	-1925.277
## 17579	+			+			192.90000	16	-1933.886
## 2220	+				+			20	-1929.051
## 23920		+		+	+	+	318.00000	21	-1927.810
## 25768	+			+		2.733e+02	360.10000	18	-1931.502
## 6054	+	+	+	+		+		16	-1933.900
## 24428		+	+	+	+	+	281.40000	22	-1926.571
## 11170	+	+	+		+	5.777e+02		19	-1930.313
## 23436	+	+	+		+	+	60.69000	24	-1924.036
## 23203	+		+		+	+	22.56000	22	-1926.596
## 19824		+		+	+		308.80000	20	-1929.102
## 31659	+	+	+		+	2.783e+02	-13.25000	25	-1922.757
## 23470	+	+	+		+	+	-246.00000	22	-1926.620
## 18319	+	+	+	+			253.30000	19	-1930.347
## 30092	+	+		+		3.008e+01	305.50000	19	-1930.388
## 26000	+	+		+		-9.016e-01	314.00000	19	-1930.394
## 13986	+		+	+		-1.284e+01		15	-1935.181
## 31628	+	+	+		+	4.306e+02	134.10000	25	-1922.822
## 2476	+	+			+			21	-1927.930
## 32619		+	+	+	+	2.792e+02	339.20000	22	-1926.686
## 7341	+			+	+	+		18	-1931.633
## 21648	+			+		+	311.70000	18	-1931.638
## 11437	+			+	+	1.455e+02		18	-1931.670
## 15789	+	+		+	+	-1.010e+02		20	-1929.231
## 20332		+	+	+	+		263.20000	21	-1927.992
## 16269	+	+	+	+	+	2.481e+02		21	-1928.001
## 14243	+	+	+	+		-8.928e+00		19	-1930.473
## 10150	+	+	+	+		2.599e+02		16	-1934.107
## 23471	+	+	+		+	+	-92.88000	25	-1922.941
## 13488	+			+		-1.228e+02		19	-1930.521
## 26255	+		+	+		2.993e+02	272.80000	19	-1930.544
## 24201	+		+	+	+	+	87.69000	19	-1930.560
## 15270	+	+	+		+	7.009e+02		21	-1928.091
## 15523	+			+	+	-7.684e+01		21	-1928.102
## 27821	+			+	+	3.206e+02	169.10000	19	-1930.574

## 6826	+		+		+				19	-1930.603
## 30340	+		+	+		+	5.260e+02	496.60000	19	-1930.610
## 27536	+	+	+		+		4.486e+02	105.90000	25	-1923.036
## 28291	+		+	+	+		8.914e+02	653.60000	22	-1926.889
## 19344	+	+	+		+			34.50000	24	-1924.337
## 26507	+	+	+	+			2.245e+02	241.60000	19	-1930.619
## 15529	+			+	+	+	2.299e+02		18	-1931.842
## 15760	+	+		+	+	+	-2.607e+02		24	-1924.371
## 7330	+			+	+	+			17	-1933.070
## 31399	+		+		+	+	4.456e+02	50.02000	24	-1924.377
## 22155	+		+	+		+		186.50000	18	-1931.872
## 27559	+	+	+		+		4.432e+02	50.04000	24	-1924.377
## 20331		+	+	+	+			276.40000	20	-1929.428
## 3490	+	+		+	+				17	-1933.076
## 32166	+	+		+	+	+	2.591e+02	281.90000	21	-1928.190
## 29836	+			+		+	2.096e+02	314.70000	18	-1931.878
## 15267	+	+	+		+	+	3.102e+02		23	-1925.673
## 15248	+	+	+		+	+	3.251e+02		25	-1923.102
## 19367	+	+	+		+			-13.22000	23	-1925.698
## 25744	+			+			1.792e+02	323.10000	18	-1931.913
## 7079	+	+	+		+	+			23	-1925.703
## 11426	+			+	+		-4.138e+01		17	-1933.145
## 1675	+		+	+					16	-1934.365
## 32363			+	+	+	+	4.768e+02	340.60000	21	-1928.289
## 2722	+		+		+				17	-1933.181
## 15271	+	+	+		+	+	3.927e+02		24	-1924.495
## 26031	+	+		+			-6.899e+01	238.70000	19	-1930.775
## 27558	+	+	+		+		6.320e+02	-60.52000	21	-1928.315
## 28011		+		+	+		1.920e+02	349.20000	19	-1930.788
## 14247	+	+	+	+		+	6.245e+01		20	-1929.564
## 21935	+	+		+		+		250.30000	19	-1930.800
## 20098	+		+	+	+			411.20000	18	-1932.023
## 1701	+		+	+					13	-1937.911
## 15783	+	+		+	+	+	-2.186e+02		23	-1925.822
## 15504	+			+	+	+	-9.944e+01		23	-1925.824
## 24431		+	+	+	+	+		279.60000	22	-1927.135
## 17583	+			+				230.80000	17	-1933.313
## 2734	+		+		+				19	-1930.902
## 1451	+	+		+					16	-1934.524
## 19823		+		+	+			330.80000	19	-1930.934
## 3494	+	+		+	+				18	-1932.150
## 23207	+		+		+	+		-26.07000	23	-1925.943
## 32111		+		+	+	+	1.867e+02	367.60000	21	-1928.469
## 22411	+	+	+	+		+		210.00000	19	-1930.949
## 19110	+		+		+			-162.70000	19	-1930.951
## 14222	+	+	+	+		+	1.318e+02		17	-1933.375
## 14246	+	+	+	+		+	2.573e+02		17	-1933.384
## 14242	+	+	+	+		+	1.574e+02		16	-1934.575
## 19873	+	+		+	+			234.80000	17	-1933.411
## 31398	+		+		+	+	4.825e+02	-56.97000	21	-1928.528
## 32173	+	+		+	+	+	5.635e+01	134.50000	21	-1928.538
## 30625	+	+	+	+		+	4.296e+02	215.60000	16	-1934.632
## 30347	+		+	+		+	3.246e+02	238.40000	19	-1931.030
## 30373	+		+	+		+	3.950e+02	226.80000	16	-1934.640

## 26533	+	+	+	+		4.261e+02	223.30000	16	-1934.663
## 32620		+	+	+	+	2.729e+02	326.50000	23	-1926.090
## 17827	+	+		+			331.80000	16	-1934.708
## 26244	+		+	+		5.477e+02	484.10000	18	-1932.318
## 30096	+	+		+	+	7.792e+00	329.60000	20	-1929.900
## 22433	+	+	+	+	+		166.10000	15	-1935.936
## 18341	+	+	+	+			179.70000	15	-1935.939
## 6316	+				+	+		21	-1928.685
## 1953	+	+	+	+				13	-1938.272
## 31851				+	+	4.212e+02	373.70000	19	-1931.176
## 31913	+			+	+	3.828e+02	128.10000	19	-1931.181
## 30123	+	+		+		-5.154e+01	213.20000	19	-1931.190
## 25771	+			+		1.819e+02	223.60000	17	-1933.629
## 7334	+			+	+	+		18	-1932.427
## 24171			+	+	+	+	248.40000	20	-1929.984
## 9889	+		+	+		5.120e+01		13	-1938.314
## 28524		+	+	+	+	2.804e+02	309.60000	22	-1927.490
## 23721	+			+	+	+	30.88000	18	-1932.434
## 23725	+			+	+	+	91.08000	19	-1931.224
## 22159	+		+	+		+	226.50000	19	-1931.224
## 7082	+	+	+		+	+		20	-1930.003
## 5793	+		+	+		+		13	-1938.350
## 15010	+		+		+	3.438e+02		19	-1931.250
## 9643	+	+		+		-3.223e+02		17	-1933.676
## 23659				+	+	+	289.90000	18	-1932.481
## 31663	+	+	+		+	2.967e+02	-40.90000	26	-1922.377
## 27298	+		+		+	4.185e+02	37.52000	19	-1931.269
## 22181	+		+	+		+	165.50000	15	-1936.072
## 24194	+		+	+	+	+	419.20000	19	-1931.291
## 32112		+		+	+	1.887e+02	351.20000	22	-1927.573
## 10921	+		+		+	5.606e+02		18	-1932.522
## 26511	+	+	+	+		1.941e+02	275.50000	20	-1930.095
## 28016		+		+	+	1.919e+02	342.60000	21	-1928.860
## 28523		+	+	+	+	2.931e+02	324.70000	21	-1928.888
## 6572	+	+			+	+		22	-1927.636
## 23459	+	+	+		+	+	35.77000	23	-1926.369
## 29840	+			+		1.848e+02	339.50000	19	-1931.368
## 15533	+			+	+	1.552e+02		19	-1931.375
## 15266	+	+	+		+	5.699e+02		20	-1930.147
## 11430	+			+	+	6.232e+01		18	-1932.594
## 2990	+	+	+		+			20	-1930.159
## 31632	+	+	+		+	4.527e+02	114.10000	26	-1922.508
## 31651	+	+	+		+	4.320e+02	99.51000	24	-1925.122
## 23440	+	+	+		+	+	41.88000	25	-1923.838
## 27809	+			+	+	4.183e+02	266.50000	17	-1933.834
## 21675	+			+		+	196.90000	17	-1933.861
## 10412	+				+	8.620e+01		21	-1928.976
## 2726	+		+		+			18	-1932.677
## 18604	+				+		27.81000	21	-1929.006
## 2224	+				+			21	-1929.008
## 15527	+			+	+	-3.187e+01		22	-1927.760
## 27554	+	+	+		+	6.107e+02	22.38000	20	-1930.284
## 18860	+	+			+		48.36000	22	-1927.794
## 24432		+	+	+	+	+	270.70000	23	-1926.538

## 22415	+	+	+	+	+		249.40000	20	-1930.311
## 32364			+	+	+	4.775e+02	329.30000	22	-1927.815
## 19106	+		+		+		-65.05000	18	-1932.767
## 2480	+	+			+			22	-1927.828
## 1931	+	+	+	+				17	-1933.999
## 31917	+			+	+	3.229e+02	163.30000	20	-1930.356
## 28295	+		+	+	+	8.746e+02	680.70000	23	-1926.596
## 31852				+	+	4.262e+02	356.80000	20	-1930.379
## 32623		+	+	+	+	2.832e+02	324.40000	23	-1926.619
## 9893	+		+	+		1.771e+02		14	-1937.580
## 31654	+	+	+		+	6.288e+02	-61.03000	22	-1927.906
## 10668	+	+			+	-5.132e+01		22	-1927.907
## 11682	+	+		+	+	-1.452e+02		18	-1932.896
## 1195	+			+				15	-1936.467
## 19854	+	+		+	+		252.20000	19	-1931.688
## 19617	+			+	+		166.20000	16	-1935.300
## 6818	+		+		+	+		18	-1932.929
## 20336		+	+	+	+		265.50000	22	-1927.990
## 23660				+	+	+	272.30000	19	-1931.724
## 28267			+	+	+	4.937e+02	326.00000	20	-1930.504
## 30351	+		+	+		2.972e+02	269.50000	20	-1930.523
## 23206	+		+		+	+	-161.00000	20	-1930.525
## 28268			+	+	+	4.910e+02	311.90000	21	-1929.286
## 5771	+		+	+		+		17	-1934.183
## 7586	+	+		+	+	+		18	-1933.000
## 22148	+		+	+		+	453.50000	18	-1933.008
## 28065	+	+		+	+	2.445e+02	276.10000	18	-1933.025
## 15522	+			+	+	-5.341e+01		18	-1933.032
## 20102	+		+	+	+		441.10000	19	-1931.822
## 6830	+		+		+	+		20	-1930.599
## 27756				+	+	4.369e+02	338.30000	19	-1931.831
## 30596	+	+	+	+		5.311e+02	495.80000	20	-1930.609
## 30344	+		+	+		5.260e+02	496.60000	20	-1930.610
## 30603	+	+	+	+		2.235e+02	239.50000	20	-1930.613
## 28547	+	+	+	+	+	9.126e+02	650.60000	23	-1926.864
## 27305	+		+		+	3.947e+02	-122.80000	19	-1931.865
## 32387	+		+	+	+	8.927e+02	652.30000	23	-1926.872
## 20354	+	+	+	+	+		430.60000	19	-1931.874
## 20335		+	+	+	+		278.30000	21	-1929.427
## 25775	+			+		1.598e+02	255.80000	18	-1933.115
## 9867	+		+	+		4.971e+01		17	-1934.342
## 28015		+		+	+	1.902e+02	364.30000	20	-1930.701
## 5797	+		+	+		+		14	-1937.885
## 1679	+		+	+				17	-1934.359
## 31655	+	+	+		+	4.428e+02	50.07000	25	-1924.376
## 2978	+	+	+		+			18	-1933.174
## 1957	+	+	+	+				14	-1937.910
## 32367			+	+	+	4.811e+02	327.50000	22	-1928.238
## 19113	+		+		+		-226.70000	18	-1933.184
## 23463	+	+	+		+	+	-13.05000	24	-1925.694
## 7590	+	+		+	+	+		19	-1931.975
## 23883		+		+	+	+	409.60000	18	-1933.206
## 24172			+	+	+	+	237.00000	21	-1929.522
## 30127	+	+		+		-6.817e+01	240.40000	20	-1930.769

## 19564				+	+		251.20000	18	-1933.225
## 17831	+	+		+			358.10000	17	-1934.472
## 5547	+	+		+		+		17	-1934.477
## 21923	+	+		+		+	338.80000	17	-1934.497
## 10145	+	+	+	+		1.698e+02		14	-1938.041
## 21679	+			+		+	232.10000	18	-1933.308
## 1455	+	+		+				17	-1934.517
## 19855	+	+		+	+		381.60000	22	-1928.381
## 11686	+	+		+	+	-6.193e+01		19	-1932.119
## 23969	+	+		+	+	+	232.60000	18	-1933.364
## 19877	+	+		+	+		248.30000	18	-1933.366
## 19850	+	+		+	+		202.80000	18	-1933.371
## 19366	+	+	+		+		-161.30000	20	-1930.950
## 26019	+	+		+		1.186e+02	345.20000	17	-1934.610
## 30629	+	+	+	+		4.258e+02	224.70000	17	-1934.612
## 6822	+		+		+	+		19	-1932.223
## 26248	+		+	+		5.412e+02	496.30000	19	-1932.266
## 22437	+	+	+	+		+	181.10000	16	-1935.886
## 20075			+	+	+		230.10000	19	-1932.283
## 20076			+	+	+		216.40000	20	-1931.067
## 6320	+				+	+		22	-1928.574
## 19851	+	+		+	+		332.40000	21	-1929.837
## 22700	+				+	+	40.44000	22	-1928.591
## 26500	+	+	+	+		5.494e+02	483.80000	19	-1932.318
## 6049	+	+	+	+		+		14	-1938.268
## 15017	+		+		+	5.747e+02		19	-1932.323
## 32624		+	+	+	+	2.763e+02	314.70000	24	-1926.045
## 10925	+		+		+	6.097e+02		19	-1932.330
## 27755				+	+	4.329e+02	358.30000	18	-1933.576
## 14508	+				+	6.916e+01		22	-1928.637
## 13985	+		+	+		5.122e+01		14	-1938.314
## 31855				+	+	4.184e+02	382.60000	20	-1931.144
## 31394	+		+		+	4.110e+02	40.65000	20	-1931.153
## 29867	+			+		1.830e+02	228.10000	18	-1933.602
## 15526	+			+	+	5.507e+01		19	-1932.395
## 17571	+			+			306.50000	15	-1937.184
## 7086	+	+	+		+	+		21	-1929.940
## 22956	+	+			+	+	59.63000	23	-1927.432
## 24198	+		+	+	+	+	439.10000	20	-1931.199
## 24450	+	+	+	+	+	+	434.10000	20	-1931.200
## 23663				+	+	+	301.90000	19	-1932.430
## 24175			+	+	+	+	238.80000	21	-1929.959
## 13739	+	+		+		-3.183e+02		18	-1933.653
## 23907		+		+	+	+	225.60000	18	-1933.656
## 6576	+	+			+	+		23	-1927.450
## 9647	+	+		+		-3.318e+02		18	-1933.661
## 18052	+		+	+			438.40000	17	-1934.878
## 27813	+			+	+	3.957e+02	290.50000	18	-1933.684
## 19811		+		+	+		223.30000	17	-1934.892
## 2982	+	+	+		+			19	-1932.485
## 28528		+	+	+	+	2.803e+02	310.10000	23	-1927.490
## 28046	+	+		+	+	2.555e+02	296.50000	20	-1931.270
## 11177	+	+	+		+	5.917e+02		19	-1932.499
## 19563				+	+		271.80000	17	-1934.923

## 32075		+		+	+	+	3.274e+02	462.40000	19	-1932.507
## 19787		+		+	+			391.00000	17	-1934.936
## 26253	+		+	+			4.393e+02	243.50000	15	-1937.307
## 26796	+				+		1.682e+02	64.60000	22	-1928.798
## 30607	+	+	+	+		+	1.908e+02	271.80000	21	-1930.068
## 10890	+		+		+		5.794e+02		18	-1933.756
## 19621	+			+	+			210.20000	17	-1934.962
## 6027	+	+	+	+		+			18	-1933.784
## 31905	+			+	+	+	4.214e+02	264.60000	18	-1933.789
## 31650	+	+	+		+	+	6.077e+02	25.73000	21	-1930.109
## 23202	+		+		+	+		-58.99000	19	-1932.594
## 14764	+	+			+	+	-6.542e+01		23	-1927.599
## 19788		+		+	+			380.30000	18	-1933.824
## 28527		+	+	+	+		2.930e+02	324.80000	22	-1928.888
## 10416	+				+		1.067e+02		22	-1928.898
## 27309	+		+		+		4.355e+02	-150.20000	20	-1931.410
## 10149	+	+	+	+			2.415e+02		15	-1937.472
## 19362	+	+	+		+			-78.82000	19	-1932.704
## 28042	+	+		+	+		3.213e+02	262.70000	19	-1932.708
## 18608	+				+			21.03000	22	-1928.985
## 22404	+	+	+	+		+		469.40000	19	-1932.729
## 26249	+		+	+			5.387e+02	196.60000	14	-1938.680
## 18864	+	+			+			38.77000	23	-1927.750
## 23884		+		+	+	+		399.20000	19	-1932.750
## 27790	+			+	+		5.030e+02	324.10000	19	-1932.766
## 10123	+	+	+	+			-4.718e+01		18	-1933.982
## 13989	+		+	+		+	1.755e+02		15	-1937.560
## 32368			+	+	+	+	4.810e+02	318.90000	23	-1927.781
## 19812		+		+	+			200.60000	18	-1933.996
## 9387	+			+			-9.000e+01		16	-1936.390
## 1935	+	+	+	+					18	-1933.999
## 27052	+	+			+		1.840e+01	52.03000	23	-1927.792
## 15778	+	+		+	+	+	-1.519e+02		19	-1932.804
## 31856				+	+	+	4.230e+02	366.90000	21	-1930.335
## 25763	+			+			3.121e+02	347.30000	16	-1936.414
## 10672	+	+			+		-3.026e+01		23	-1927.821
## 31401	+		+		+	+	4.016e+02	-129.80000	20	-1931.592
## 5291	+			+		+			16	-1936.434
## 32391	+		+	+	+	+	8.759e+02	679.70000	24	-1926.560
## 28551	+	+	+	+	+		8.939e+02	677.70000	24	-1926.576
## 1199	+			+					16	-1936.462
## 23713	+			+	+	+		164.30000	17	-1935.275
## 23664				+	+	+		285.60000	20	-1931.659
## 3233	+			+	+				15	-1937.687
## 19369	+	+	+		+			-205.50000	19	-1932.903
## 27760				+	+		4.303e+02	358.30000	20	-1931.677
## 23950	+	+		+	+	+		253.50000	20	-1931.679
## 7074	+	+	+		+	+			19	-1932.929
## 13963	+		+	+		+	5.964e+01		18	-1934.150
## 5775	+		+	+		+			18	-1934.157
## 3436		+		+	+				18	-1934.164
## 23209	+		+		+	+		-234.80000	19	-1932.959
## 20358	+	+	+	+	+			452.00000	20	-1931.734
## 32161	+	+		+	+	+	2.469e+02	274.10000	19	-1932.971

## 19117	+		+		+		-252.50000	19	-1932.972	
## 28271			+	+	+	4.930e+02	327.90000	21	-1930.503	
## 28069	+	+		+	+	2.417e+02	287.60000	19	-1932.990	
## 22152	+		+	+	+		460.00000	19	-1932.994	
## 23462	+	+	+		+	+	-161.40000	21	-1930.525	
## 23887		+		+	+	+	429.60000	19	-1932.999	
## 27780	+			+	+	7.088e+02	712.50000	21	-1930.531	
## 28272			+	+	+	4.902e+02	314.20000	22	-1929.285	
## 19568				+	+		275.40000	19	-1933.029	
## 27979		+		+	+	3.236e+02	443.10000	18	-1934.264	
## 18317	+	+	+	+			197.70000	15	-1937.856	
## 30600	+	+	+	+	+	5.311e+02	495.70000	21	-1930.609	
## 23951	+	+		+	+	+	371.40000	23	-1928.084	
## 10917	+		+		+	5.726e+02		18	-1934.295	
## 31876	+			+	+	+	6.871e+02	717.90000	22	-1929.357
## 27561	+	+	+		+	4.162e+02	-121.80000	20	-1931.855	
## 3948		+	+	+	+			20	-1931.856	
## 21927	+	+		+		+	362.10000	18	-1934.304	
## 18061	+		+	+			174.00000	14	-1939.038	
## 27980		+		+	+	3.350e+02	434.00000	19	-1933.097	
## 6053	+	+	+	+	+			15	-1937.884	
## 29871	+			+	+	1.606e+02	257.50000	19	-1933.108	
## 9871	+		+	+		4.640e+01		18	-1934.340	
## 32643	+	+	+	+	+	+	9.139e+02	649.20000	24	-1926.848
## 1164	+			+				15	-1937.935	
## 28047	+	+		+	+	1.860e+02	414.40000	23	-1928.158	
## 15782	+	+		+	+	+	-6.610e+01	20	-1931.940	
## 20323		+	+	+	+		187.40000	19	-1933.171	
## 26023	+	+		+		1.112e+02	370.10000	18	-1934.386	
## 30115	+	+		+	+	1.150e+02	351.70000	18	-1934.405	
## 8043		+	+	+	+	+		20	-1932.000	
## 17575	+			+			339.60000	16	-1936.837	
## 24176			+	+	+	+	230.10000	22	-1929.509	
## 32076		+		+	+	+	3.345e+02	452.80000	20	-1932.018
## 28043	+	+		+	+	2.207e+02	373.10000	22	-1929.525	
## 14241	+	+	+	+		+	1.691e+02	15	-1938.040	
## 8047		+	+	+	+	+		21	-1930.786	
## 5551	+	+		+	+	+		18	-1934.474	
## 24419		+	+	+	+	+	189.90000	20	-1932.040	
## 10913	+		+		+	4.066e+02		17	-1935.697	
## 23908		+		+	+	+	209.70000	19	-1933.280	
## 1420	+	+		+				16	-1936.893	
## 7078	+	+	+		+	+		20	-1932.067	
## 23946	+	+		+	+	+	207.50000	19	-1933.302	
## 19815		+		+	+		259.80000	18	-1934.522	
## 23973	+	+		+	+	+	247.00000	19	-1933.312	
## 19791		+		+	+		419.60000	18	-1934.545	
## 19599	+			+	+		352.60000	21	-1930.862	
## 18308	+	+	+	+			455.90000	18	-1934.551	
## 3466	+	+		+	+			17	-1935.765	
## 17834	+	+		+			138.70000	14	-1939.299	
## 21667	+			+		+	313.40000	16	-1936.985	
## 23947	+	+		+	+	+	322.80000	22	-1929.655	
## 30892	+				+	+	1.641e+02	76.19000	23	-1928.393



## 27759				+	+		4.259e+02	379.40000	19	-1933.406
## 15021	+		+		+	+	6.151e+02		20	-1932.183
## 23911		+		+	+	+		254.50000	19	-1933.424
## 19792		+		+	+			409.10000	19	-1933.424
## 7532		+		+	+	+			19	-1933.428
## 8044		+	+	+	+	+			21	-1930.981
## 19779		+		+	+			303.00000	16	-1937.065
## 14512	+				+	+	9.626e+01		23	-1928.485
## 26509	+	+	+	+			3.429e+02	240.00000	16	-1937.097
## 19567				+	+			297.20000	18	-1934.709
## 26504	+	+	+	+			5.419e+02	496.20000	20	-1932.266
## 20079			+	+	+			236.90000	20	-1932.271
## 18313	+	+	+	+				135.80000	14	-1939.457
## 7787			+	+	+	+			19	-1933.509
## 9612	+	+		+			-3.471e+02		17	-1935.930
## 1450	+	+		+					13	-1940.617
## 20080			+	+	+			223.70000	21	-1931.053
## 22704	+				+	+		29.41000	23	-1928.530
## 18056	+		+	+				458.70000	18	-1934.750
## 15273	+	+	+		+	+	6.001e+02		20	-1932.307
## 27786	+			+	+		6.308e+02	288.90000	18	-1934.755
## 11181	+	+	+		+		6.341e+02		20	-1932.315
## 27791	+			+	+		3.751e+02	425.80000	22	-1929.830
## 23875		+		+	+	+		307.30000	17	-1935.977
## 32079		+		+	+	+	3.198e+02	479.50000	20	-1932.332
## 26505	+	+	+	+			4.123e+02	194.70000	15	-1938.347
## 30349	+		+	+		+	4.363e+02	235.90000	16	-1937.196
## 24395		+	+	+	+	+		387.20000	20	-1932.375
## 24454	+	+	+	+	+	+		448.10000	21	-1931.139
## 19816		+		+	+			237.60000	19	-1933.610
## 22960	+	+			+	+		46.35000	24	-1927.338
## 1929	+	+	+	+					13	-1940.720
## 31909	+			+	+	+	3.981e+02	289.60000	19	-1933.625
## 13743	+	+		+		+	-3.296e+02		19	-1933.631
## 17838	+	+		+				185.70000	15	-1938.431
## 3947		+	+	+	+				19	-1933.652
## 32099		+		+	+	+	1.027e+00	225.80000	19	-1933.656
## 28003		+		+	+		2.129e+01	226.50000	18	-1934.889
## 14986	+		+		+	+	5.689e+02		19	-1933.682
## 10894	+		+		+		6.100e+02		19	-1933.684
## 8048		+	+	+	+	+			22	-1929.964
## 19598	+			+	+			226.00000	18	-1934.906
## 31405	+		+		+	+	4.376e+02	-153.70000	21	-1931.221
## 23717	+			+	+	+		208.90000	18	-1934.919
## 31148	+	+			+	+	1.804e+01	63.23000	24	-1927.430
## 25767	+			+			2.997e+02	375.70000	17	-1936.127
## 3952		+	+	+	+				21	-1931.244
## 31819				+	+	+	5.503e+02	469.10000	18	-1934.931
## 14768	+	+			+	+	-3.814e+01		24	-1927.437
## 3692			+	+	+				19	-1933.722
## 27787	+			+	+		4.156e+02	383.40000	21	-1931.258
## 32142	+	+		+	+	+	2.563e+02	298.00000	21	-1931.258
## 11146	+	+	+		+		6.078e+02		19	-1933.737
## 23458	+	+	+		+	+		-74.71000	20	-1932.509

## 23888		+		+	+	+		420.40000	20	-1932.509
## 1673	+		+	+					12	-1941.980
## 19595	+			+	+			298.00000	20	-1932.516
## 27274	+		+		+		5.951e+02	12.06000	19	-1933.749
## 3489	+	+		+	+				16	-1937.358
## 9865	+		+	+			3.013e+02		13	-1940.865
## 26800	+				+		1.721e+02	57.32000	23	-1928.768
## 1677	+		+	+					13	-1940.871
## 6031	+	+	+	+		+			19	-1933.772
## 14219	+	+	+	+		+	-3.912e+01		19	-1933.773
## 11628		+		+	+		-2.165e+02		19	-1933.787
## 28289	+		+	+	+		9.146e+02	600.20000	18	-1935.002
## 20324		+	+	+	+			171.80000	20	-1932.561
## 29859	+			+		+	3.094e+02	353.60000	17	-1936.227
## 19373	+	+	+		+			-233.40000	20	-1932.593
## 7531		+		+	+	+			18	-1935.042
## 27784	+			+	+		6.913e+02	740.00000	22	-1930.102
## 14245	+	+	+	+		+	2.406e+02		16	-1937.450
## 3440		+		+	+				19	-1933.844
## 30345	+		+	+		+	5.390e+02	191.60000	15	-1938.647
## 23465	+	+	+		+	+		-212.70000	20	-1932.634
## 7791			+	+	+	+			20	-1932.637
## 32138	+	+		+	+	+	3.213e+02	267.40000	20	-1932.638
## 27565	+	+	+		+		4.442e+02	-149.60000	21	-1931.408
## 28036	+	+		+	+		6.304e+02	719.00000	22	-1930.157
## 32587		+	+	+	+	+	3.902e+02	446.10000	21	-1931.427
## 3237	+			+	+				16	-1937.512
## 11169	+	+	+		+		5.758e+02		18	-1935.127
## 27983		+		+	+		3.131e+02	468.30000	19	-1933.915
## 3470	+	+		+	+				18	-1935.136
## 7788			+	+	+	+			20	-1932.699
## 22408	+	+	+	+		+		476.10000	20	-1932.714
## 13483	+			+		+	-8.584e+01		17	-1936.364
## 9391	+			+			-1.018e+02		17	-1936.370
## 31886	+			+	+	+	5.019e+02	326.50000	20	-1932.730
## 27984		+		+	+		3.244e+02	459.30000	20	-1932.741
## 7329	+			+	+	+			16	-1937.577
## 10127	+	+	+	+			-5.204e+01		19	-1933.980
## 28004		+		+	+		7.827e+00	201.80000	19	-1933.996
## 19780		+		+	+			287.30000	17	-1936.414
## 32132	+	+		+	+	+	6.115e+02	724.20000	23	-1929.002
## 5295	+			+		+			17	-1936.422
## 11173	+	+	+		+		6.755e+02		19	-1934.024
## 27056	+	+			+		2.206e+01	43.06000	24	-1927.747
## 19783		+		+	+			344.70000	17	-1936.446
## 23213	+		+		+	+		-256.30000	20	-1932.802
## 3691			+	+	+				18	-1935.272
## 31657	+	+	+		+	+	4.155e+02	-129.10000	21	-1931.588
## 3428		+		+	+				17	-1936.495
## 22413	+	+	+	+		+		189.30000	16	-1937.686
## 11425	+			+	+		2.805e-02		16	-1937.687
## 31880	+			+	+	+	6.749e+02	739.10000	23	-1929.096
## 9356	+			+			-1.577e+02		16	-1937.701
## 3939		+	+	+	+				18	-1935.314

## 7536		+		+	+	+			20	-1932.877
## 32647	+	+	+	+	+	+	8.951e+02	676.80000	25	-1926.540
## 22157	+		+	+		+		166.10000	15	-1938.905
## 13967	+		+	+		+	4.943e+01		19	-1934.135
## 20299		+	+	+	+			368.40000	19	-1934.136
## 32143	+	+		+	+	+	1.824e+02	403.80000	24	-1927.868
## 2729	+		+		+				17	-1936.573
## 32165	+	+		+	+	+	2.440e+02	286.60000	20	-1932.928
## 27301	+		+		+		5.120e+02	-49.34000	19	-1934.181
## 3951		+	+	+	+				20	-1932.968
## 15724		+		+	+	+	-2.376e+02		20	-1932.973
## 2985	+	+	+		+				18	-1935.434
## 30119	+	+		+		+	1.086e+02	373.70000	19	-1934.222
## 1933	+	+	+	+					14	-1940.177
## 23912		+		+	+	+		239.90000	20	-1933.013
## 15013	+		+		+	+	5.752e+02		19	-1934.246
## 5260	+			+		+			16	-1937.854
## 20327		+	+	+	+			214.90000	20	-1933.019
## 8035		+	+	+	+	+			19	-1934.263
## 12140		+	+	+	+		-8.779e+01		21	-1931.797
## 21671	+			+		+		343.30000	17	-1936.687
## 3435		+		+	+				17	-1936.689
## 32080		+		+	+	+	3.264e+02	471.00000	21	-1931.811
## 28515		+	+	+	+		1.291e+02	205.70000	20	-1933.066
## 23695	+			+	+	+		342.50000	22	-1930.576
## 24420		+	+	+	+	+		179.90000	21	-1931.833
## 23879		+		+	+	+		343.00000	18	-1935.520
## 18057	+		+	+				87.89000	13	-1941.414
## 32331			+	+	+	+	5.973e+02	449.10000	20	-1933.085
## 1168	+			+					16	-1937.935
## 3940		+	+	+	+				19	-1934.333
## 21930	+	+		+		+		149.40000	15	-1939.119
## 7535		+		+	+	+			19	-1934.340
## 32139	+	+		+	+	+	2.190e+02	363.30000	23	-1929.347
## 15009	+		+		+	+	4.167e+02		18	-1935.568
## 16235		+	+	+	+	+	-1.218e+02		21	-1931.887
## 27723				+	+		5.526e+02	449.30000	17	-1936.778
## 3493	+	+		+	+				17	-1936.781
## 28491		+	+	+	+		3.984e+02	428.80000	20	-1933.164
## 2721	+		+		+				16	-1938.003
## 3180				+	+				17	-1936.835
## 18312	+	+	+	+				476.20000	19	-1934.423
## 5516	+	+		+		+			17	-1936.843
## 26026	+	+		+			1.164e+02	157.60000	15	-1939.211
## 27297	+		+		+		4.515e+02	26.70000	18	-1935.657
## 32611		+	+	+	+	+	1.035e+02	204.50000	21	-1931.972
## 24423		+	+	+	+	+		208.00000	21	-1931.974
## 20300		+	+	+	+			361.60000	20	-1933.220
## 27724				+	+		5.652e+02	440.30000	18	-1935.669
## 9869	+		+	+			2.135e+02		14	-1940.403
## 3427		+		+	+				16	-1938.064
## 7792			+	+	+	+			21	-1931.989
## 15723		+		+	+	+	-2.698e+02		19	-1934.461
## 1424	+	+		+					17	-1936.884

##	27971	+		+	+	1.541e+02	321.40000	17	-1936.905
##	31820			+	+	+ 5.590e+02	460.00000	19	-1934.495
##	16239	+	+	+	+	+ -3.828e+01		22	-1930.775
##	1454	+		+				14	-1940.450
##	32100	+		+	+	+ -4.259e+00	209.00000	20	-1933.280
##	24396	+	+	+	+		380.20000	21	-1932.041
##	7523	+		+	+			17	-1936.931
##	28007	+		+	+	2.582e+01	263.80000	19	-1934.518
##	23876	+		+	+		296.60000	18	-1935.740
##		AICc	delta	weight					
##	4067	3819.6	0.00	0.047					
##	3811	3819.9	0.30	0.041					
##	3812	3820.4	0.82	0.031					
##	3819	3820.5	0.98	0.029					
##	4068	3820.7	1.10	0.027					
##	4075	3820.7	1.13	0.027					
##	7908	3821.2	1.63	0.021					
##	12003	3821.5	1.92	0.018					
##	8163	3821.5	1.93	0.018					
##	7907	3821.7	2.15	0.016					
##	8164	3821.7	2.15	0.016					
##	4071	3821.8	2.28	0.015					
##	7915	3821.9	2.39	0.014					
##	3820	3822.0	2.42	0.014					
##	20451	3822.0	2.48	0.014					
##	12259	3822.1	2.52	0.013					
##	12004	3822.1	2.59	0.013					
##	8171	3822.2	2.67	0.012					
##	12011	3822.3	2.72	0.012					
##	3815	3822.3	2.72	0.012					
##	20195	3822.4	2.83	0.011					
##	3555	3822.4	2.83	0.011					
##	4079	3822.4	2.84	0.011					
##	4076	3822.5	2.90	0.011					
##	3823	3822.5	2.92	0.011					
##	7916	3822.6	2.99	0.011					
##	3816	3822.6	3.06	0.010					
##	20459	3822.7	3.15	0.010					
##	4072	3822.7	3.16	0.010					
##	20203	3822.9	3.37	0.009					
##	20196	3822.9	3.37	0.009					
##	20452	3823.0	3.49	0.008					
##	7912	3823.1	3.51	0.008					
##	16100	3823.2	3.61	0.008					
##	12260	3823.2	3.63	0.008					
##	12267	3823.2	3.67	0.008					
##	8172	3823.3	3.76	0.007					
##	8168	3823.4	3.81	0.007					
##	16099	3823.5	3.91	0.007					
##	7919	3823.5	3.94	0.007					
##	8175	3823.5	3.94	0.007					
##	3563	3823.6	4.06	0.006					
##	7920	3823.7	4.09	0.006					
##	8167	3823.7	4.10	0.006					

##	12007	3823.7	4.13	0.006
##	24292	3823.7	4.16	0.006
##	12015	3823.7	4.17	0.006
##	3824	3823.8	4.24	0.006
##	12012	3823.8	4.25	0.006
##	28395	3823.8	4.27	0.006
##	16107	3823.9	4.29	0.006
##	28387	3823.9	4.32	0.005
##	24547	3824.0	4.41	0.005
##	24548	3824.0	4.45	0.005
##	12008	3824.1	4.49	0.005
##	16355	3824.1	4.49	0.005
##	4080	3824.1	4.51	0.005
##	24555	3824.1	4.51	0.005
##	7911	3824.1	4.52	0.005
##	19939	3824.1	4.55	0.005
##	8176	3824.2	4.62	0.005
##	24299	3824.2	4.68	0.005
##	19947	3824.3	4.71	0.004
##	3556	3824.3	4.71	0.004
##	24291	3824.3	4.72	0.004
##	12263	3824.3	4.74	0.004
##	16356	3824.3	4.75	0.004
##	7651	3824.3	4.76	0.004
##	20204	3824.3	4.78	0.004
##	28388	3824.3	4.78	0.004
##	20455	3824.4	4.87	0.004
##	20460	3824.5	4.91	0.004
##	28643	3824.5	4.92	0.004
##	16108	3824.6	5.05	0.004
##	11747	3824.6	5.06	0.004
##	16104	3824.6	5.08	0.004
##	24300	3824.7	5.15	0.004
##	3299	3824.8	5.20	0.004
##	20199	3824.8	5.21	0.003
##	12271	3824.8	5.22	0.003
##	16363	3824.8	5.27	0.003
##	3559	3824.8	5.27	0.003
##	20463	3824.8	5.29	0.003
##	16111	3824.8	5.29	0.003
##	28651	3824.9	5.31	0.003
##	12268	3825.0	5.46	0.003
##	24556	3825.0	5.47	0.003
##	20207	3825.1	5.51	0.003
##	16112	3825.1	5.55	0.003
##	12016	3825.1	5.55	0.003
##	12264	3825.2	5.60	0.003
##	20200	3825.2	5.63	0.003
##	32491	3825.2	5.65	0.003
##	7659	3825.3	5.69	0.003
##	32484	3825.3	5.71	0.003
##	28396	3825.3	5.74	0.003
##	20456	3825.3	5.77	0.003
##	3307	3825.4	5.86	0.003

##	28644	3825.4	5.86	0.003
##	24043	3825.6	6.00	0.002
##	16103	3825.6	6.02	0.002
##	24296	3825.7	6.11	0.002
##	7652	3825.7	6.13	0.002
##	19940	3825.8	6.21	0.002
##	32492	3825.8	6.21	0.002
##	3567	3825.8	6.24	0.002
##	28399	3825.9	6.30	0.002
##	16360	3825.9	6.30	0.002
##	32483	3825.9	6.32	0.002
##	11755	3825.9	6.33	0.002
##	3564	3825.9	6.35	0.002
##	16367	3825.9	6.38	0.002
##	24559	3825.9	6.38	0.002
##	16364	3825.9	6.39	0.002
##	24035	3826.0	6.43	0.002
##	24552	3826.0	6.45	0.002
##	24303	3826.1	6.54	0.002
##	16359	3826.2	6.62	0.002
##	3300	3826.2	6.65	0.002
##	28391	3826.2	6.69	0.002
##	24304	3826.3	6.70	0.002
##	24551	3826.3	6.72	0.002
##	32747	3826.3	6.72	0.002
##	20208	3826.4	6.85	0.002
##	12272	3826.4	6.89	0.002
##	32740	3826.5	6.89	0.002
##	32739	3826.5	6.91	0.001
##	19948	3826.5	6.94	0.001
##	11748	3826.5	6.95	0.001
##	15843	3826.5	6.96	0.001
##	20464	3826.5	6.99	0.001
##	28392	3826.6	7.01	0.001
##	24295	3826.6	7.02	0.001
##	16368	3826.6	7.05	0.001
##	7395	3826.6	7.05	0.001
##	28652	3826.6	7.05	0.001
##	24560	3826.6	7.06	0.001
##	28131	3826.6	7.07	0.001
##	19943	3826.6	7.07	0.001
##	3560	3826.7	7.11	0.001
##	7655	3826.7	7.17	0.001
##	28139	3826.8	7.23	0.001
##	19951	3826.8	7.26	0.001
##	28647	3826.9	7.33	0.001
##	7403	3826.9	7.33	0.001
##	19691	3826.9	7.36	0.001
##	32495	3826.9	7.38	0.001
##	24036	3827.0	7.39	0.001
##	28655	3827.0	7.41	0.001
##	3779	3827.0	7.43	0.001
##	19683	3827.0	7.48	0.001
##	11491	3827.1	7.52	0.001

##	11751	3827.1	7.57	0.001
##	32496	3827.2	7.61	0.001
##	32488	3827.2	7.63	0.001
##	7660	3827.2	7.64	0.001
##	7663	3827.2	7.66	0.001
##	32748	3827.2	7.66	0.001
##	3303	3827.2	7.68	0.001
##	28400	3827.2	7.69	0.001
##	24044	3827.3	7.71	0.001
##	7396	3827.4	7.80	0.001
##	15851	3827.5	7.93	0.001
##	3308	3827.5	7.94	0.001
##	4035	3827.6	8.04	0.001
##	28648	3827.7	8.14	0.001
##	3311	3827.8	8.23	0.001
##	11499	3827.8	8.24	0.001
##	15844	3827.9	8.31	0.001
##	7656	3827.9	8.39	0.001
##	3780	3828.0	8.44	0.001
##	3568	3828.1	8.52	0.001
##	24047	3828.1	8.52	0.001
##	32751	3828.1	8.53	0.001
##	20419	3828.1	8.54	0.001
##	32235	3828.1	8.56	0.001
##	23787	3828.1	8.56	0.001
##	32487	3828.2	8.62	0.001
##	11756	3828.2	8.64	0.001
##	11759	3828.2	8.65	0.001
##	19684	3828.3	8.76	0.001
##	28132	3828.3	8.77	0.001
##	19944	3828.3	8.77	0.001
##	27883	3828.4	8.83	0.001
##	20163	3828.4	8.85	0.001
##	32744	3828.4	8.89	0.001
##	7404	3828.5	8.92	0.001
##	32227	3828.5	8.97	0.001
##	24039	3828.6	8.99	0.001
##	11492	3828.6	9.04	0.001
##	3809	3828.6	9.08	0.001
##	28656	3828.6	9.08	0.001
##	7875	3828.7	9.13	0.000
##	3304	3828.7	9.14	0.000
##	32752	3828.7	9.17	0.000
##	7876	3828.7	9.17	0.000
##	28355	3828.7	9.18	0.000
##	32743	3828.8	9.24	0.000
##	11971	3828.8	9.25	0.000
##	23779	3828.9	9.31	0.000
##	19692	3828.9	9.37	0.000
##	20164	3828.9	9.38	0.000
##	3810	3828.9	9.38	0.000
##	15587	3829.0	9.43	0.000
##	11752	3829.0	9.44	0.000
##	15847	3829.0	9.47	0.000

##	7664	3829.0	9.47	0.000
##	4036	3829.0	9.48	0.000
##	27875	3829.0	9.49	0.000
##	28140	3829.1	9.50	0.000
##	19952	3829.1	9.52	0.000
##	20420	3829.1	9.53	0.000
##	7399	3829.1	9.55	0.000
##	7407	3829.1	9.56	0.000
##	28356	3829.1	9.59	0.000
##	3783	3829.2	9.60	0.000
##	28135	3829.2	9.62	0.000
##	3817	3829.3	9.74	0.000
##	23780	3829.3	9.75	0.000
##	15595	3829.3	9.78	0.000
##	19907	3829.3	9.79	0.000
##	24260	3829.4	9.80	0.000
##	8131	3829.4	9.80	0.000
##	28143	3829.4	9.81	0.000
##	15852	3829.4	9.86	0.000
##	12001	3829.5	9.89	0.000
##	19695	3829.5	9.90	0.000
##	23788	3829.5	9.91	0.000
##	19687	3829.5	9.93	0.000
##	3787	3829.5	9.95	0.000
##	32228	3829.5	9.97	0.000
##	24040	3829.5	9.97	0.000
##	4039	3829.6	9.99	0.000
##	11495	3829.6	10.03	0.000
##	31979	3829.6	10.07	0.000
##	15855	3829.6	10.07	0.000
##	24516	3829.7	10.13	0.000
##	24048	3829.8	10.21	0.000
##	32452	3829.8	10.23	0.000
##	24515	3829.8	10.24	0.000
##	7400	3829.8	10.24	0.000
##	15588	3829.8	10.29	0.000
##	28611	3829.9	10.30	0.000
##	32236	3829.9	10.30	0.000
##	3312	3829.9	10.31	0.000
##	3784	3829.9	10.34	0.000
##	11500	3829.9	10.38	0.000
##	11972	3829.9	10.38	0.000
##	8132	3830.0	10.42	0.000
##	24259	3830.1	10.51	0.000
##	12227	3830.1	10.52	0.000
##	4043	3830.1	10.55	0.000
##	11503	3830.1	10.56	0.000
##	12002	3830.1	10.57	0.000
##	7880	3830.1	10.58	0.000
##	4065	3830.2	10.60	0.000
##	15848	3830.3	10.70	0.000
##	27876	3830.3	10.76	0.000
##	3788	3830.4	10.84	0.000
##	20193	3830.4	10.86	0.000



##	20427	3830.4	10.86	0.000
##	27884	3830.5	10.90	0.000
##	11760	3830.5	10.95	0.000
##	3818	3830.6	11.01	0.000
##	28363	3830.6	11.02	0.000
##	32451	3830.6	11.02	0.000
##	7408	3830.6	11.03	0.000
##	16067	3830.6	11.07	0.000
##	20423	3830.7	11.09	0.000
##	32239	3830.7	11.10	0.000
##	11975	3830.7	11.10	0.000
##	23791	3830.7	11.10	0.000
##	7906	3830.7	11.10	0.000
##	20171	3830.7	11.11	0.000
##	28612	3830.7	11.11	0.000
##	4040	3830.7	11.17	0.000
##	7879	3830.7	11.17	0.000
##	3813	3830.7	11.18	0.000
##	19688	3830.8	11.28	0.000
##	16068	3830.9	11.30	0.000
##	19908	3830.9	11.32	0.000
##	7905	3830.9	11.35	0.000
##	28136	3830.9	11.36	0.000
##	12009	3830.9	11.37	0.000
##	4066	3830.9	11.38	0.000
##	20167	3830.9	11.38	0.000
##	31971	3830.9	11.39	0.000
##	27887	3831.0	11.39	0.000
##	15596	3831.0	11.44	0.000
##	31980	3831.1	11.51	0.000
##	20194	3831.1	11.52	0.000
##	11496	3831.1	11.54	0.000
##	32231	3831.1	11.56	0.000
##	24003	3831.1	11.57	0.000
##	8136	3831.1	11.58	0.000
##	8135	3831.1	11.58	0.000
##	7883	3831.2	11.65	0.000
##	7884	3831.2	11.67	0.000
##	28359	3831.3	11.72	0.000
##	3814	3831.3	11.78	0.000
##	11979	3831.4	11.79	0.000
##	4044	3831.4	11.79	0.000
##	3523	3831.4	11.82	0.000
##	23783	3831.4	11.82	0.000
##	31972	3831.4	11.84	0.000
##	32708	3831.4	11.85	0.000
##	11976	3831.4	11.87	0.000
##	20168	3831.4	11.89	0.000
##	15856	3831.5	11.90	0.000
##	20172	3831.5	11.92	0.000
##	7913	3831.5	11.92	0.000
##	28364	3831.5	11.93	0.000
##	19696	3831.5	11.93	0.000
##	15599	3831.5	11.94	0.000

##	15591	3831.5	11.95	0.000
##	27879	3831.5	11.97	0.000
##	12228	3831.5	11.98	0.000
##	19915	3831.5	11.99	0.000
##	4073	3831.6	12.01	0.000
##	19911	3831.6	12.05	0.000
##	20424	3831.6	12.06	0.000
##	28099	3831.6	12.06	0.000
##	28360	3831.6	12.07	0.000
##	20428	3831.6	12.09	0.000
##	28144	3831.7	12.10	0.000
##	3791	3831.7	12.11	0.000
##	32707	3831.7	12.12	0.000
##	24264	3831.7	12.14	0.000
##	20201	3831.7	12.18	0.000
##	3821	3831.8	12.19	0.000
##	16072	3831.8	12.24	0.000
##	24268	3831.8	12.24	0.000
##	16097	3831.8	12.27	0.000
##	12257	3831.9	12.31	0.000
##	23784	3831.9	12.32	0.000
##	24004	3831.9	12.32	0.000
##	16323	3831.9	12.34	0.000
##	19651	3831.9	12.34	0.000
##	24523	3831.9	12.34	0.000
##	28385	3831.9	12.35	0.000
##	12005	3831.9	12.35	0.000
##	8139	3831.9	12.37	0.000
##	28619	3831.9	12.37	0.000
##	32460	3831.9	12.38	0.000
##	12231	3831.9	12.38	0.000
##	23792	3832.0	12.43	0.000
##	24520	3832.1	12.51	0.000
##	32459	3832.1	12.51	0.000
##	32456	3832.1	12.52	0.000
##	24267	3832.1	12.53	0.000
##	16098	3832.1	12.54	0.000
##	4047	3832.1	12.56	0.000
##	32232	3832.1	12.59	0.000
##	24524	3832.2	12.61	0.000
##	31983	3832.2	12.62	0.000
##	3267	3832.2	12.66	0.000
##	12010	3832.2	12.68	0.000
##	11504	3832.2	12.68	0.000
##	15592	3832.3	12.71	0.000
##	7914	3832.3	12.77	0.000
##	16071	3832.3	12.77	0.000
##	24519	3832.3	12.77	0.000
##	11980	3832.3	12.78	0.000
##	32240	3832.4	12.82	0.000
##	8140	3832.4	12.86	0.000
##	28615	3832.4	12.86	0.000
##	20449	3832.4	12.88	0.000
##	3792	3832.4	12.88	0.000

##	8161	3832.5	12.95	0.000
##	12006	3832.5	12.96	0.000
##	16324	3832.5	12.98	0.000
##	4069	3832.6	13.02	0.000
##	24263	3832.6	13.03	0.000
##	28386	3832.6	13.03	0.000
##	12258	3832.6	13.05	0.000
##	12235	3832.6	13.06	0.000
##	7888	3832.7	13.17	0.000
##	24289	3832.8	13.20	0.000
##	8162	3832.8	13.27	0.000
##	27843	3832.9	13.30	0.000
##	20197	3832.9	13.30	0.000
##	27880	3832.9	13.30	0.000
##	4074	3832.9	13.37	0.000
##	24290	3832.9	13.38	0.000
##	20431	3833.0	13.42	0.000
##	3822	3833.0	13.46	0.000
##	15600	3833.0	13.48	0.000
##	20202	3833.0	13.48	0.000
##	27888	3833.0	13.49	0.000
##	19652	3833.1	13.49	0.000
##	28367	3833.1	13.52	0.000
##	12232	3833.1	13.52	0.000
##	7909	3833.1	13.52	0.000
##	32455	3833.1	13.53	0.000
##	28620	3833.1	13.56	0.000
##	28100	3833.1	13.57	0.000
##	7887	3833.1	13.57	0.000
##	24011	3833.1	13.57	0.000
##	7910	3833.1	13.58	0.000
##	11983	3833.2	13.62	0.000
##	16075	3833.2	13.63	0.000
##	28616	3833.2	13.64	0.000
##	12013	3833.2	13.64	0.000
##	20175	3833.2	13.65	0.000
##	28393	3833.2	13.65	0.000
##	19912	3833.2	13.68	0.000
##	16105	3833.2	13.69	0.000
##	4048	3833.3	13.70	0.000
##	19916	3833.3	13.74	0.000
##	7619	3833.3	13.76	0.000
##	20450	3833.3	13.77	0.000
##	16076	3833.4	13.80	0.000
##	12265	3833.4	13.84	0.000
##	4070	3833.4	13.86	0.000
##	3524	3833.4	13.89	0.000
##	32715	3833.5	13.90	0.000
##	32195	3833.5	13.90	0.000
##	31975	3833.5	13.93	0.000
##	24007	3833.5	13.94	0.000
##	16328	3833.5	13.99	0.000
##	20198	3833.6	13.99	0.000
##	16327	3833.6	14.03	0.000

##	31984	3833.6	14.03	0.000
##	3531	3833.6	14.06	0.000
##	23747	3833.6	14.07	0.000
##	28107	3833.6	14.09	0.000
##	8143	3833.7	14.10	0.000
##	11715	3833.7	14.11	0.000
##	32716	3833.7	14.13	0.000
##	3527	3833.7	14.14	0.000
##	32712	3833.8	14.19	0.000
##	8144	3833.8	14.20	0.000
##	8169	3833.8	14.27	0.000
##	23748	3833.9	14.31	0.000
##	12236	3833.9	14.33	0.000
##	19919	3833.9	14.33	0.000
##	28103	3833.9	14.37	0.000
##	7917	3833.9	14.37	0.000
##	28368	3833.9	14.39	0.000
##	19659	3834.0	14.39	0.000
##	24297	3834.0	14.41	0.000
##	3268	3834.0	14.41	0.000
##	27844	3834.0	14.42	0.000
##	31976	3834.0	14.43	0.000
##	20176	3834.0	14.44	0.000
##	11984	3834.0	14.45	0.000
##	19655	3834.0	14.45	0.000
##	4077	3834.0	14.46	0.000
##	20457	3834.1	14.50	0.000
##	7363	3834.1	14.52	0.000
##	32464	3834.1	14.56	0.000
##	24272	3834.1	14.56	0.000
##	20432	3834.2	14.64	0.000
##	20205	3834.2	14.64	0.000
##	32196	3834.2	14.64	0.000
##	16106	3834.2	14.64	0.000
##	24012	3834.2	14.65	0.000
##	32711	3834.2	14.66	0.000
##	16353	3834.3	14.72	0.000
##	16101	3834.3	14.75	0.000
##	32481	3834.3	14.75	0.000
##	12261	3834.4	14.80	0.000
##	28641	3834.4	14.80	0.000
##	24008	3834.4	14.83	0.000
##	28389	3834.4	14.83	0.000
##	24527	3834.4	14.84	0.000
##	27851	3834.4	14.86	0.000
##	16080	3834.4	14.86	0.000
##	16102	3834.4	14.86	0.000
##	12014	3834.4	14.86	0.000
##	32463	3834.5	14.91	0.000
##	28623	3834.5	14.91	0.000
##	16331	3834.5	14.93	0.000
##	24528	3834.5	14.96	0.000
##	12239	3834.5	14.97	0.000
##	28394	3834.5	14.99	0.000

##	11459	3834.6	15.01	0.000
##	24271	3834.6	15.01	0.000
##	32482	3834.6	15.01	0.000
##	16354	3834.6	15.04	0.000
##	3275	3834.6	15.07	0.000
##	3271	3834.7	15.10	0.000
##	7918	3834.7	15.12	0.000
##	31939	3834.7	15.14	0.000
##	12266	3834.7	15.15	0.000
##	16079	3834.7	15.16	0.000
##	8170	3834.8	15.23	0.000
##	24545	3834.8	15.27	0.000
##	24298	3834.8	15.28	0.000
##	20453	3834.9	15.36	0.000
##	31940	3834.9	15.39	0.000
##	8165	3835.0	15.41	0.000
##	7620	3835.0	15.43	0.000
##	16332	3835.0	15.46	0.000
##	28390	3835.0	15.47	0.000
##	12262	3835.0	15.47	0.000
##	27847	3835.1	15.51	0.000
##	28642	3835.1	15.54	0.000
##	24293	3835.2	15.68	0.000
##	32203	3835.3	15.69	0.000
##	24546	3835.3	15.72	0.000
##	19656	3835.3	15.74	0.000
##	7364	3835.3	15.74	0.000
##	8166	3835.3	15.75	0.000
##	4078	3835.4	15.80	0.000
##	24294	3835.4	15.83	0.000
##	19660	3835.4	15.84	0.000
##	28108	3835.4	15.88	0.000
##	20458	3835.4	15.88	0.000
##	23755	3835.5	15.89	0.000
##	16109	3835.5	15.91	0.000
##	20206	3835.5	15.92	0.000
##	3532	3835.5	15.92	0.000
##	32489	3835.5	15.96	0.000
##	28104	3835.5	15.98	0.000
##	7623	3835.6	16.03	0.000
##	15811	3835.6	16.03	0.000
##	24015	3835.6	16.04	0.000
##	28397	3835.6	16.05	0.000
##	28624	3835.6	16.08	0.000
##	12240	3835.7	16.10	0.000
##	7627	3835.7	16.12	0.000
##	28649	3835.7	16.14	0.000
##	12269	3835.7	16.14	0.000
##	19920	3835.7	16.15	0.000
##	3528	3835.7	16.15	0.000
##	16361	3835.7	16.18	0.000
##	11716	3835.8	16.19	0.000
##	20454	3835.8	16.24	0.000
##	23751	3835.9	16.31	0.000

##	32199	3835.9	16.31	0.000
##	32719	3835.9	16.36	0.000
##	11723	3835.9	16.37	0.000
##	31947	3835.9	16.38	0.000
##	32720	3836.0	16.39	0.000
##	27852	3836.0	16.44	0.000
##	28111	3836.1	16.49	0.000
##	3535	3836.1	16.50	0.000
##	11719	3836.1	16.52	0.000
##	23756	3836.1	16.53	0.000
##	16335	3836.1	16.56	0.000
##	19663	3836.2	16.61	0.000
##	16110	3836.2	16.64	0.000
##	16336	3836.2	16.64	0.000
##	3276	3836.2	16.66	0.000
##	8173	3836.3	16.70	0.000
##	23752	3836.3	16.73	0.000
##	27848	3836.3	16.76	0.000
##	24553	3836.3	16.78	0.000
##	32204	3836.4	16.81	0.000
##	11460	3836.4	16.82	0.000
##	3272	3836.4	16.82	0.000
##	24301	3836.4	16.86	0.000
##	32490	3836.5	16.91	0.000
##	15555	3836.5	16.93	0.000
##	7367	3836.5	16.95	0.000
##	20461	3836.5	16.96	0.000
##	7371	3836.6	16.99	0.000
##	16362	3836.7	17.10	0.000
##	32200	3836.7	17.18	0.000
##	31948	3836.8	17.19	0.000
##	24016	3836.8	17.20	0.000
##	27855	3836.8	17.21	0.000
##	16357	3836.8	17.23	0.000
##	32737	3836.8	17.23	0.000
##	32485	3836.8	17.26	0.000
##	28645	3836.9	17.31	0.000
##	28398	3836.9	17.32	0.000
##	12270	3836.9	17.37	0.000
##	16358	3837.0	17.40	0.000
##	32486	3837.0	17.40	0.000
##	3777	3837.0	17.41	0.000
##	11467	3837.0	17.44	0.000
##	11463	3837.0	17.44	0.000
##	31943	3837.0	17.47	0.000
##	28650	3837.0	17.47	0.000
##	7624	3837.1	17.52	0.000
##	32738	3837.1	17.54	0.000
##	3279	3837.1	17.55	0.000
##	8174	3837.1	17.55	0.000
##	7628	3837.1	17.57	0.000
##	24302	3837.2	17.62	0.000
##	15812	3837.3	17.70	0.000
##	3778	3837.3	17.76	0.000

##	24554	3837.3	17.76	0.000
##	24549	3837.3	17.78	0.000
##	31944	3837.4	17.88	0.000
##	3553	3837.5	17.94	0.000
##	28646	3837.6	18.01	0.000
##	7368	3837.6	18.03	0.000
##	7372	3837.6	18.07	0.000
##	19664	3837.7	18.15	0.000
##	24550	3837.7	18.16	0.000
##	32207	3837.8	18.21	0.000
##	15556	3837.8	18.22	0.000
##	11724	3837.8	18.24	0.000
##	23759	3837.8	18.25	0.000
##	20462	3837.9	18.31	0.000
##	32493	3837.9	18.33	0.000
##	3536	3837.9	18.35	0.000
##	28112	3837.9	18.36	0.000
##	15815	3838.0	18.41	0.000
##	15819	3838.0	18.42	0.000
##	16365	3838.0	18.44	0.000
##	32745	3838.0	18.46	0.000
##	7631	3838.1	18.50	0.000
##	11969	3838.1	18.54	0.000
##	11720	3838.1	18.56	0.000
##	28653	3838.1	18.57	0.000
##	3305	3838.4	18.84	0.000
##	31951	3838.4	18.85	0.000
##	3297	3838.4	18.86	0.000
##	27856	3838.4	18.87	0.000
##	11727	3838.4	18.88	0.000
##	23760	3838.6	19.02	0.000
##	11468	3838.7	19.09	0.000
##	32494	3838.7	19.10	0.000
##	28353	3838.7	19.13	0.000
##	16366	3838.7	19.14	0.000
##	3280	3838.7	19.15	0.000
##	11464	3838.8	19.21	0.000
##	11970	3838.8	19.22	0.000
##	4033	3838.8	19.23	0.000
##	24557	3838.8	19.24	0.000
##	28354	3838.9	19.33	0.000
##	15559	3838.9	19.34	0.000
##	32746	3838.9	19.38	0.000
##	7874	3839.0	19.39	0.000
##	32208	3839.0	19.41	0.000
##	15563	3839.0	19.42	0.000
##	7375	3839.0	19.46	0.000
##	3301	3839.1	19.50	0.000
##	3781	3839.1	19.58	0.000
##	7873	3839.2	19.62	0.000
##	3561	3839.2	19.62	0.000
##	20161	3839.2	19.62	0.000
##	20162	3839.3	19.74	0.000
##	31952	3839.3	19.76	0.000

##	32741	3839.3	19.76	0.000
##	3785	3839.4	19.81	0.000
##	3554	3839.4	19.83	0.000
##	28654	3839.4	19.84	0.000
##	15820	3839.4	19.85	0.000
##	7632	3839.4	19.87	0.000
##	11471	3839.5	19.92	0.000
##	15816	3839.5	19.93	0.000
##	4034	3839.5	19.94	0.000
##	32742	3839.5	19.96	0.000
##	11489	3839.5	19.97	0.000
##	3557	3839.6	20.02	0.000
##	3786	3839.6	20.04	0.000
##	24558	3839.7	20.10	0.000
##	3782	3839.7	20.16	0.000
##	3298	3839.8	20.23	0.000
##	19937	3839.8	20.29	0.000
##	7649	3839.9	20.32	0.000
##	11745	3839.9	20.35	0.000
##	7376	3840.0	20.48	0.000
##	15560	3840.0	20.49	0.000
##	15564	3840.1	20.57	0.000
##	11728	3840.3	20.75	0.000
##	11497	3840.3	20.76	0.000
##	3309	3840.4	20.82	0.000
##	16065	3840.4	20.86	0.000
##	32749	3840.4	20.87	0.000
##	11977	3840.5	20.89	0.000
##	15823	3840.5	20.89	0.000
##	20417	3840.5	20.93	0.000
##	3306	3840.5	20.94	0.000
##	19681	3840.5	20.95	0.000
##	12225	3840.5	20.97	0.000
##	11973	3840.5	20.97	0.000
##	7401	3840.6	21.05	0.000
##	32450	3840.6	21.08	0.000
##	16066	3840.6	21.08	0.000
##	7393	3840.7	21.13	0.000
##	19689	3840.7	21.16	0.000
##	11978	3840.8	21.19	0.000
##	24258	3840.8	21.24	0.000
##	20165	3840.9	21.30	0.000
##	28357	3840.9	21.30	0.000
##	28361	3840.9	21.33	0.000
##	3302	3840.9	21.35	0.000
##	32449	3841.0	21.46	0.000
##	20418	3841.0	21.47	0.000
##	8129	3841.1	21.51	0.000
##	28609	3841.1	21.54	0.000
##	11493	3841.1	21.55	0.000
##	11974	3841.1	21.56	0.000
##	11472	3841.1	21.58	0.000
##	4041	3841.1	21.58	0.000
##	11490	3841.1	21.58	0.000



##	32750	3841.2	21.62	0.000
##	4037	3841.2	21.63	0.000
##	19945	3841.2	21.63	0.000
##	12226	3841.2	21.65	0.000
##	7882	3841.3	21.70	0.000
##	8130	3841.3	21.71	0.000
##	28358	3841.3	21.74	0.000
##	3562	3841.4	21.79	0.000
##	28362	3841.4	21.80	0.000
##	28610	3841.4	21.81	0.000
##	20166	3841.4	21.83	0.000
##	24257	3841.4	21.84	0.000
##	7878	3841.4	21.85	0.000
##	19685	3841.4	21.86	0.000
##	7877	3841.4	21.86	0.000
##	7397	3841.4	21.88	0.000
##	15567	3841.4	21.88	0.000
##	20169	3841.5	21.90	0.000
##	3565	3841.5	21.97	0.000
##	7657	3841.5	21.97	0.000
##	3789	3841.5	21.98	0.000
##	4042	3841.6	22.02	0.000
##	3558	3841.6	22.04	0.000
##	7881	3841.6	22.04	0.000
##	11753	3841.6	22.05	0.000
##	7650	3841.6	22.09	0.000
##	19941	3841.7	22.13	0.000
##	19938	3841.7	22.15	0.000
##	20170	3841.8	22.20	0.000
##	7394	3841.8	22.24	0.000
##	11746	3841.8	22.26	0.000
##	15824	3841.8	22.26	0.000
##	15585	3841.9	22.32	0.000
##	27873	3841.9	22.33	0.000
##	3790	3841.9	22.37	0.000
##	4038	3842.0	22.40	0.000
##	7653	3842.0	22.43	0.000
##	11749	3842.0	22.43	0.000
##	27881	3842.0	22.48	0.000
##	19682	3842.1	22.50	0.000
##	24033	3842.2	22.68	0.000
##	28129	3842.2	22.69	0.000
##	15841	3842.3	22.75	0.000
##	19693	3842.4	22.86	0.000
##	11498	3842.5	22.90	0.000
##	15568	3842.5	22.96	0.000
##	20421	3842.5	22.98	0.000
##	3310	3842.5	22.99	0.000
##	7402	3842.6	22.99	0.000
##	11501	3842.6	23.00	0.000
##	15593	3842.6	23.06	0.000
##	16074	3842.7	23.13	0.000
##	7405	3842.7	23.14	0.000
##	24514	3842.7	23.15	0.000

##	24513	3842.8	23.22	0.000
##	16073	3842.8	23.26	0.000
##	19690	3842.8	23.28	0.000
##	23777	3842.8	23.28	0.000
##	16069	3842.9	23.31	0.000
##	16321	3842.9	23.31	0.000
##	12233	3842.9	23.32	0.000
##	16070	3842.9	23.34	0.000
##	11981	3842.9	23.34	0.000
##	23785	3842.9	23.35	0.000
##	20425	3842.9	23.36	0.000
##	12229	3843.0	23.42	0.000
##	11494	3843.0	23.43	0.000
##	16322	3843.1	23.52	0.000
##	24262	3843.1	23.52	0.000
##	32458	3843.1	23.56	0.000
##	32454	3843.1	23.57	0.000
##	32706	3843.1	23.58	0.000
##	7398	3843.2	23.60	0.000
##	24261	3843.2	23.61	0.000
##	32457	3843.2	23.63	0.000
##	27877	3843.2	23.63	0.000
##	28365	3843.2	23.63	0.000
##	11982	3843.2	23.67	0.000
##	12234	3843.2	23.68	0.000
##	32453	3843.3	23.69	0.000
##	19686	3843.3	23.71	0.000
##	20173	3843.3	23.71	0.000
##	24266	3843.3	23.71	0.000
##	15586	3843.3	23.76	0.000
##	20422	3843.3	23.77	0.000
##	19949	3843.3	23.77	0.000
##	28613	3843.3	23.77	0.000
##	28617	3843.4	23.82	0.000
##	19946	3843.4	23.82	0.000
##	8138	3843.4	23.87	0.000
##	32705	3843.5	23.91	0.000
##	27874	3843.5	23.91	0.000
##	8137	3843.5	23.92	0.000
##	20426	3843.5	23.92	0.000
##	28137	3843.5	23.93	0.000
##	24041	3843.5	23.95	0.000
##	8133	3843.5	23.95	0.000
##	4045	3843.5	23.95	0.000
##	15589	3843.5	23.96	0.000
##	12230	3843.6	24.03	0.000
##	7658	3843.6	24.05	0.000
##	24265	3843.6	24.07	0.000
##	19942	3843.7	24.14	0.000
##	8134	3843.7	24.16	0.000
##	7886	3843.7	24.17	0.000
##	3566	3843.7	24.18	0.000
##	28614	3843.8	24.25	0.000
##	28366	3843.8	24.25	0.000

##	11754	3843.8	24.25	0.000
##	23781	3843.8	24.26	0.000
##	20174	3843.9	24.30	0.000
##	28618	3843.9	24.30	0.000
##	7885	3843.9	24.31	0.000
##	7661	3843.9	24.36	0.000
##	7654	3843.9	24.37	0.000
##	24034	3844.0	24.40	0.000
##	11757	3844.0	24.42	0.000
##	15849	3844.0	24.43	0.000
##	4046	3844.0	24.47	0.000
##	11750	3844.0	24.49	0.000
##	27885	3844.0	24.49	0.000
##	15842	3844.1	24.54	0.000
##	28130	3844.1	24.56	0.000
##	28133	3844.1	24.56	0.000
##	24037	3844.1	24.56	0.000
##	23778	3844.1	24.59	0.000
##	27882	3844.2	24.64	0.000
##	31969	3844.3	24.71	0.000
##	31977	3844.3	24.74	0.000
##	15845	3844.4	24.87	0.000
##	19694	3844.6	25.07	0.000
##	15594	3844.6	25.07	0.000
##	32225	3844.7	25.11	0.000
##	23789	3844.7	25.17	0.000
##	7406	3844.8	25.19	0.000
##	11502	3844.8	25.20	0.000
##	23786	3844.8	25.28	0.000
##	24517	3844.9	25.34	0.000
##	15597	3844.9	25.37	0.000
##	20429	3845.0	25.46	0.000
##	27878	3845.0	25.47	0.000
##	24518	3845.1	25.57	0.000
##	16078	3845.1	25.58	0.000
##	16330	3845.2	25.64	0.000
##	24521	3845.2	25.65	0.000
##	24522	3845.2	25.65	0.000
##	16329	3845.3	25.72	0.000
##	15590	3845.3	25.73	0.000
##	16077	3845.3	25.74	0.000
##	16325	3845.4	25.79	0.000
##	12237	3845.4	25.80	0.000
##	16326	3845.4	25.83	0.000
##	23782	3845.5	25.97	0.000
##	32461	3845.6	26.00	0.000
##	24042	3845.6	26.01	0.000
##	24269	3845.6	26.01	0.000
##	19950	3845.6	26.02	0.000
##	24270	3845.6	26.04	0.000
##	31973	3845.6	26.06	0.000
##	32714	3845.6	26.07	0.000
##	32462	3845.6	26.09	0.000
##	31970	3845.6	26.09	0.000

##	32710	3845.7	26.10	0.000
##	32713	3845.7	26.14	0.000
##	28141	3845.7	26.14	0.000
##	28621	3845.7	26.14	0.000
##	28138	3845.7	26.15	0.000
##	24045	3845.7	26.16	0.000
##	12238	3845.7	26.18	0.000
##	32709	3845.7	26.19	0.000
##	20430	3845.8	26.22	0.000
##	32233	3845.8	26.28	0.000
##	8141	3845.9	26.34	0.000
##	8142	3845.9	26.38	0.000
##	24038	3846.0	26.48	0.000
##	7662	3846.1	26.50	0.000
##	15850	3846.1	26.53	0.000
##	28134	3846.1	26.58	0.000
##	11758	3846.2	26.66	0.000
##	27886	3846.3	26.72	0.000
##	31978	3846.3	26.73	0.000
##	28622	3846.3	26.78	0.000
##	31981	3846.4	26.84	0.000
##	15853	3846.4	26.84	0.000
##	32226	3846.4	26.84	0.000
##	15846	3846.4	26.84	0.000
##	32229	3846.6	27.03	0.000
##	23790	3846.8	27.24	0.000
##	19905	3847.0	27.43	0.000
##	15598	3847.0	27.46	0.000
##	3265	3847.2	27.67	0.000
##	3521	3847.3	27.70	0.000
##	19909	3847.3	27.75	0.000
##	19653	3847.3	27.76	0.000
##	31974	3847.3	27.78	0.000
##	24525	3847.4	27.84	0.000
##	24526	3847.7	28.10	0.000
##	16334	3847.7	28.11	0.000
##	27845	3847.7	28.14	0.000
##	16333	3847.8	28.23	0.000
##	24046	3847.9	28.31	0.000
##	27841	3847.9	28.35	0.000
##	32234	3847.9	28.37	0.000
##	3269	3847.9	28.39	0.000
##	28142	3848.0	28.41	0.000
##	32717	3848.1	28.54	0.000
##	32237	3848.1	28.55	0.000
##	32718	3848.2	28.63	0.000
##	31982	3848.5	28.94	0.000
##	19906	3848.5	28.95	0.000
##	32230	3848.5	28.95	0.000
##	28097	3848.5	28.97	0.000
##	15854	3848.6	29.00	0.000
##	11457	3848.6	29.01	0.000
##	3266	3848.6	29.01	0.000
##	19649	3848.9	29.31	0.000

##	19654	3849.0	29.41	0.000
##	3522	3849.0	29.49	0.000
##	27842	3849.1	29.51	0.000
##	28101	3849.1	29.54	0.000
##	19910	3849.1	29.59	0.000
##	3525	3849.2	29.62	0.000
##	3529	3849.2	29.63	0.000
##	27846	3849.3	29.78	0.000
##	24001	3849.3	29.79	0.000
##	19913	3849.4	29.80	0.000
##	7361	3849.5	29.97	0.000
##	3273	3849.6	30.02	0.000
##	27849	3849.6	30.06	0.000
##	7617	3849.6	30.07	0.000
##	11713	3849.6	30.07	0.000
##	19661	3849.6	30.08	0.000
##	23749	3849.7	30.14	0.000
##	24005	3849.7	30.16	0.000
##	19917	3849.7	30.18	0.000
##	3270	3849.8	30.19	0.000
##	27853	3849.9	30.34	0.000
##	19650	3849.9	30.36	0.000
##	3277	3850.0	30.43	0.000
##	28098	3850.0	30.44	0.000
##	11461	3850.1	30.53	0.000
##	31941	3850.1	30.56	0.000
##	11458	3850.1	30.57	0.000
##	31937	3850.3	30.71	0.000
##	32238	3850.3	30.72	0.000
##	7365	3850.3	30.76	0.000
##	24002	3850.6	31.09	0.000
##	7362	3850.7	31.09	0.000
##	3530	3850.7	31.12	0.000
##	3533	3850.7	31.17	0.000
##	28105	3850.8	31.22	0.000
##	19657	3850.8	31.24	0.000
##	11465	3850.9	31.32	0.000
##	3274	3850.9	31.33	0.000
##	28102	3850.9	31.34	0.000
##	32193	3850.9	31.36	0.000
##	15553	3850.9	31.36	0.000
##	19914	3850.9	31.38	0.000
##	3526	3851.1	31.57	0.000
##	31938	3851.1	31.59	0.000
##	23745	3851.1	31.59	0.000
##	27850	3851.2	31.59	0.000
##	23750	3851.2	31.63	0.000
##	7618	3851.3	31.76	0.000
##	19662	3851.4	31.83	0.000
##	11714	3851.4	31.88	0.000
##	24006	3851.5	31.89	0.000
##	28109	3851.5	31.96	0.000
##	32197	3851.5	31.99	0.000
##	3278	3851.6	32.01	0.000

##	19918	3851.6	32.02	0.000
##	11721	3851.6	32.02	0.000
##	11717	3851.6	32.02	0.000
##	7621	3851.6	32.02	0.000
##	7625	3851.6	32.04	0.000
##	31942	3851.6	32.07	0.000
##	27854	3851.7	32.15	0.000
##	24009	3851.7	32.17	0.000
##	23746	3851.8	32.27	0.000
##	3756	3851.9	32.33	0.000
##	7369	3851.9	32.34	0.000
##	31945	3851.9	32.37	0.000
##	11462	3851.9	32.37	0.000
##	15809	3852.0	32.46	0.000
##	23757	3852.0	32.47	0.000
##	7366	3852.0	32.48	0.000
##	11469	3852.1	32.52	0.000
##	19658	3852.2	32.59	0.000
##	24013	3852.2	32.62	0.000
##	32194	3852.2	32.63	0.000
##	11466	3852.3	32.71	0.000
##	31949	3852.3	32.76	0.000
##	15554	3852.3	32.79	0.000
##	3534	3852.4	32.82	0.000
##	7373	3852.4	32.83	0.000
##	28106	3852.4	32.85	0.000
##	15557	3852.5	32.93	0.000
##	7370	3853.0	33.43	0.000
##	7626	3853.0	33.44	0.000
##	23753	3853.0	33.47	0.000
##	11722	3853.1	33.53	0.000
##	24010	3853.1	33.54	0.000
##	11725	3853.1	33.59	0.000
##	7629	3853.2	33.59	0.000
##	32201	3853.2	33.61	0.000
##	31946	3853.2	33.64	0.000
##	32198	3853.2	33.68	0.000
##	15561	3853.3	33.71	0.000
##	28110	3853.4	33.83	0.000
##	7622	3853.5	33.92	0.000
##	7852	3853.6	33.99	0.000
##	11718	3853.6	34.00	0.000
##	20140	3853.6	34.01	0.000
##	4012	3853.6	34.01	0.000
##	23758	3853.6	34.07	0.000
##	11470	3853.7	34.13	0.000
##	15810	3853.7	34.18	0.000
##	11948	3853.8	34.29	0.000
##	7374	3853.9	34.35	0.000
##	24014	3853.9	34.36	0.000
##	32205	3854.0	34.42	0.000
##	31950	3854.0	34.43	0.000
##	15817	3854.0	34.45	0.000
##	15813	3854.0	34.45	0.000

##	23754	3854.0	34.48	0.000
##	28332	3854.1	34.50	0.000
##	3760	3854.1	34.53	0.000
##	15558	3854.3	34.70	0.000
##	28324	3854.5	34.95	0.000
##	15565	3854.5	34.96	0.000
##	15562	3854.5	34.96	0.000
##	32202	3854.6	35.04	0.000
##	7630	3854.8	35.24	0.000
##	20396	3854.8	35.26	0.000
##	11726	3854.8	35.27	0.000
##	24236	3855.0	35.40	0.000
##	8108	3855.4	35.82	0.000
##	20132	3855.4	35.86	0.000
##	15818	3855.4	35.88	0.000
##	7856	3855.4	35.89	0.000
##	32428	3855.5	35.97	0.000
##	32420	3855.5	35.98	0.000
##	15821	3855.6	36.04	0.000
##	16044	3855.7	36.10	0.000
##	4016	3855.7	36.14	0.000
##	11952	3855.7	36.18	0.000
##	32206	3855.7	36.19	0.000
##	15814	3855.9	36.37	0.000
##	12204	3856.0	36.45	0.000
##	15566	3856.1	36.51	0.000
##	20144	3856.1	36.55	0.000
##	24228	3856.2	36.68	0.000
##	19171	3856.2	36.68	0.000
##	28588	3856.3	36.73	0.000
##	24492	3856.3	36.78	0.000
##	2788	3856.4	36.80	0.000
##	28336	3856.6	37.00	0.000
##	19175	3856.6	37.02	0.000
##	19176	3856.6	37.08	0.000
##	2787	3856.7	37.10	0.000
##	10980	3856.7	37.13	0.000
##	10979	3856.7	37.17	0.000
##	19172	3856.8	37.20	0.000
##	28328	3856.8	37.22	0.000
##	23272	3856.8	37.25	0.000
##	20388	3856.8	37.26	0.000
##	6884	3856.9	37.36	0.000
##	28580	3857.0	37.39	0.000
##	3748	3857.2	37.63	0.000
##	16048	3857.2	37.63	0.000
##	8112	3857.2	37.64	0.000
##	15822	3857.3	37.71	0.000
##	3043	3857.3	37.77	0.000
##	2795	3857.4	37.80	0.000
##	24240	3857.4	37.82	0.000
##	20400	3857.4	37.83	0.000
##	32424	3857.6	38.00	0.000
##	3044	3857.6	38.01	0.000

##	10987	3857.6	38.03	0.000
##	15076	3857.6	38.05	0.000
##	3752	3857.7	38.15	0.000
##	10984	3857.7	38.15	0.000
##	23268	3857.7	38.16	0.000
##	19427	3857.7	38.17	0.000
##	20136	3857.8	38.20	0.000
##	24484	3857.8	38.21	0.000
##	32684	3857.8	38.28	0.000
##	32432	3857.9	38.32	0.000
##	16300	3857.9	38.33	0.000
##	12208	3858.0	38.41	0.000
##	15080	3858.0	38.41	0.000
##	19183	3858.0	38.41	0.000
##	19431	3858.0	38.43	0.000
##	32676	3858.0	38.48	0.000
##	10991	3858.0	38.49	0.000
##	27363	3858.1	38.53	0.000
##	2796	3858.1	38.55	0.000
##	3754	3858.1	38.55	0.000
##	19179	3858.1	38.59	0.000
##	2792	3858.2	38.65	0.000
##	23267	3858.2	38.67	0.000
##	6888	3858.2	38.67	0.000
##	23271	3858.3	38.71	0.000
##	10983	3858.3	38.74	0.000
##	27368	3858.3	38.75	0.000
##	7848	3858.3	38.75	0.000
##	24232	3858.3	38.76	0.000
##	7140	3858.3	38.78	0.000
##	27367	3858.3	38.78	0.000
##	15088	3858.3	38.78	0.000
##	19432	3858.4	38.81	0.000
##	3051	3858.4	38.84	0.000
##	6892	3858.5	38.89	0.000
##	23280	3858.5	38.92	0.000
##	6883	3858.5	38.93	0.000
##	10988	3858.5	38.96	0.000
##	19428	3858.5	38.97	0.000
##	7844	3858.5	38.97	0.000
##	27364	3858.5	38.98	0.000
##	31464	3858.6	39.05	0.000
##	23528	3858.7	39.11	0.000
##	11235	3858.7	39.15	0.000
##	19184	3858.7	39.16	0.000
##	10992	3858.7	39.16	0.000
##	15075	3858.7	39.19	0.000
##	2755	3858.8	39.19	0.000
##	6891	3858.8	39.20	0.000
##	24496	3858.8	39.25	0.000
##	6896	3858.8	39.25	0.000
##	28592	3858.8	39.28	0.000
##	2791	3858.9	39.31	0.000
##	2799	3858.9	39.32	0.000



##	11946	3858.9	39.34	0.000
##	2756	3858.9	39.35	0.000
##	11236	3858.9	39.39	0.000
##	15087	3859.1	39.53	0.000
##	23279	3859.1	39.53	0.000
##	11944	3859.1	39.54	0.000
##	19180	3859.1	39.57	0.000
##	10947	3859.2	39.59	0.000
##	20392	3859.2	39.62	0.000
##	7139	3859.2	39.66	0.000
##	3048	3859.2	39.67	0.000
##	15083	3859.2	39.68	0.000
##	15084	3859.2	39.69	0.000
##	28584	3859.3	39.70	0.000
##	11940	3859.3	39.72	0.000
##	27375	3859.3	39.78	0.000
##	3047	3859.4	39.80	0.000
##	6852	3859.4	39.85	0.000
##	7144	3859.4	39.87	0.000
##	2800	3859.4	39.87	0.000
##	4004	3859.4	39.88	0.000
##	19439	3859.5	39.91	0.000
##	3052	3859.5	39.92	0.000
##	16304	3859.5	39.95	0.000
##	10948	3859.5	39.99	0.000
##	23524	3859.6	40.05	0.000
##	31460	3859.6	40.07	0.000
##	3055	3859.7	40.12	0.000
##	19435	3859.7	40.15	0.000
##	23527	3859.7	40.16	0.000
##	27371	3859.8	40.19	0.000
##	23523	3859.8	40.19	0.000
##	4008	3859.8	40.21	0.000
##	11243	3859.8	40.21	0.000
##	6895	3859.8	40.21	0.000
##	16040	3859.8	40.29	0.000
##	23275	3859.9	40.30	0.000
##	3011	3859.9	40.32	0.000
##	24488	3859.9	40.33	0.000
##	7147	3859.9	40.34	0.000
##	15332	3859.9	40.37	0.000
##	31472	3859.9	40.38	0.000
##	23276	3859.9	40.39	0.000
##	11240	3860.0	40.44	0.000
##	7148	3860.0	40.48	0.000
##	27619	3860.1	40.52	0.000
##	32680	3860.1	40.53	0.000
##	27376	3860.1	40.57	0.000
##	31463	3860.1	40.57	0.000
##	7850	3860.2	40.59	0.000
##	31459	3860.2	40.60	0.000
##	15079	3860.2	40.60	0.000
##	7152	3860.2	40.62	0.000
##	10952	3860.2	40.64	0.000

##	4010	3860.2	40.66	0.000
##	32688	3860.2	40.69	0.000
##	11247	3860.3	40.73	0.000
##	11239	3860.3	40.74	0.000
##	15048	3860.3	40.75	0.000
##	27623	3860.3	40.76	0.000
##	6856	3860.3	40.77	0.000
##	15336	3860.3	40.77	0.000
##	15044	3860.4	40.82	0.000
##	23536	3860.4	40.83	0.000
##	10951	3860.4	40.84	0.000
##	2760	3860.5	40.90	0.000
##	6851	3860.5	40.91	0.000
##	3012	3860.5	40.92	0.000
##	8104	3860.5	40.92	0.000
##	19440	3860.5	40.93	0.000
##	31471	3860.5	40.94	0.000
##	20138	3860.5	40.98	0.000
##	3758	3860.6	41.01	0.000
##	27624	3860.6	41.02	0.000
##	3056	3860.6	41.02	0.000
##	6887	3860.6	41.03	0.000
##	23535	3860.6	41.08	0.000
##	7151	3860.6	41.09	0.000
##	19139	3860.7	41.14	0.000
##	2759	3860.7	41.17	0.000
##	15331	3860.7	41.18	0.000
##	16036	3860.8	41.20	0.000
##	27372	3860.8	41.22	0.000
##	27620	3860.8	41.24	0.000
##	15344	3860.8	41.27	0.000
##	11244	3860.9	41.30	0.000
##	8100	3860.9	41.32	0.000
##	28330	3860.9	41.36	0.000
##	19436	3860.9	41.38	0.000
##	31720	3861.0	41.39	0.000
##	15043	3861.0	41.49	0.000
##	7143	3861.1	41.54	0.000
##	2763	3861.1	41.55	0.000
##	11950	3861.1	41.56	0.000
##	11248	3861.1	41.57	0.000
##	16042	3861.2	41.59	0.000
##	7108	3861.2	41.60	0.000
##	19140	3861.2	41.63	0.000
##	11203	3861.3	41.76	0.000
##	12202	3861.3	41.78	0.000
##	15343	3861.4	41.80	0.000
##	2764	3861.4	41.85	0.000
##	15339	3861.4	41.88	0.000
##	23531	3861.5	41.91	0.000
##	31467	3861.5	41.96	0.000
##	27631	3861.5	41.98	0.000
##	10955	3861.6	42.02	0.000
##	12200	3861.6	42.07	0.000

##	3015	3861.6	42.08	0.000
##	7107	3861.7	42.09	0.000
##	15340	3861.7	42.09	0.000
##	27331	3861.7	42.10	0.000
##	31468	3861.7	42.12	0.000
##	12196	3861.8	42.21	0.000
##	23236	3861.8	42.27	0.000
##	3016	3861.8	42.27	0.000
##	7112	3861.9	42.29	0.000
##	19143	3861.9	42.30	0.000
##	23532	3861.9	42.31	0.000
##	2531	3861.9	42.34	0.000
##	27627	3861.9	42.35	0.000
##	11204	3861.9	42.36	0.000
##	23240	3861.9	42.38	0.000
##	31716	3861.9	42.39	0.000
##	6860	3862.0	42.39	0.000
##	19144	3862.0	42.44	0.000
##	27332	3862.1	42.49	0.000
##	10956	3862.1	42.50	0.000
##	15047	3862.1	42.54	0.000
##	31719	3862.1	42.56	0.000
##	19395	3862.2	42.60	0.000
##	15335	3862.2	42.61	0.000
##	31715	3862.2	42.61	0.000
##	6855	3862.3	42.73	0.000
##	3019	3862.3	42.79	0.000
##	8106	3862.4	42.83	0.000
##	31728	3862.4	42.86	0.000
##	16296	3862.4	42.86	0.000
##	23235	3862.5	42.92	0.000
##	10959	3862.5	42.94	0.000
##	27632	3862.5	42.95	0.000
##	11207	3862.6	43.02	0.000
##	11208	3862.6	43.05	0.000
##	7854	3862.6	43.06	0.000
##	24234	3862.6	43.07	0.000
##	27336	3862.7	43.10	0.000
##	27335	3862.7	43.10	0.000
##	15056	3862.7	43.12	0.000
##	4014	3862.7	43.13	0.000
##	20394	3862.7	43.15	0.000
##	10960	3862.7	43.15	0.000
##	6859	3862.7	43.16	0.000
##	6864	3862.7	43.16	0.000
##	31727	3862.7	43.18	0.000
##	15304	3862.8	43.21	0.000
##	31432	3862.8	43.22	0.000
##	15300	3862.8	43.24	0.000
##	2275	3862.8	43.25	0.000
##	2767	3862.9	43.31	0.000
##	31428	3862.9	43.32	0.000
##	3755	3862.9	43.36	0.000
##	19396	3862.9	43.37	0.000

##	15052	3862.9	43.39	0.000
##	2768	3863.0	43.41	0.000
##	3020	3863.0	43.42	0.000
##	20142	3863.0	43.47	0.000
##	27628	3863.1	43.56	0.000
##	32426	3863.1	43.57	0.000
##	2532	3863.1	43.58	0.000
##	19147	3863.2	43.65	0.000
##	7111	3863.2	43.66	0.000
##	15299	3863.2	43.67	0.000
##	19399	3863.3	43.71	0.000
##	16046	3863.3	43.71	0.000
##	16292	3863.3	43.74	0.000
##	28334	3863.3	43.77	0.000
##	28586	3863.4	43.81	0.000
##	23239	3863.4	43.82	0.000
##	2539	3863.4	43.83	0.000
##	15051	3863.4	43.85	0.000
##	17891	3863.6	44.00	0.000
##	2276	3863.6	44.02	0.000
##	31427	3863.6	44.02	0.000
##	12206	3863.6	44.03	0.000
##	16298	3863.6	44.04	0.000
##	3746	3863.6	44.05	0.000
##	19148	3863.6	44.05	0.000
##	28322	3863.7	44.10	0.000
##	1763	3863.7	44.13	0.000
##	23492	3863.7	44.13	0.000
##	7116	3863.7	44.16	0.000
##	31723	3863.7	44.16	0.000
##	19400	3863.7	44.17	0.000
##	18915	3863.8	44.20	0.000
##	23496	3863.8	44.23	0.000
##	11211	3863.8	44.25	0.000
##	20130	3863.8	44.29	0.000
##	27587	3863.9	44.30	0.000
##	2283	3863.9	44.31	0.000
##	15055	3863.9	44.32	0.000
##	3023	3863.9	44.38	0.000
##	6627	3864.0	44.40	0.000
##	23491	3864.0	44.42	0.000
##	4011	3864.0	44.42	0.000
##	3750	3864.0	44.48	0.000
##	1507	3864.0	44.48	0.000
##	18659	3864.1	44.50	0.000
##	7115	3864.1	44.50	0.000
##	31724	3864.1	44.54	0.000
##	6863	3864.1	44.55	0.000
##	27339	3864.1	44.56	0.000
##	2019	3864.1	44.57	0.000
##	10467	3864.1	44.57	0.000
##	10723	3864.2	44.69	0.000
##	15303	3864.3	44.72	0.000
##	2535	3864.3	44.72	0.000

##	7120	3864.3	44.77	0.000
##	31431	3864.3	44.78	0.000
##	19151	3864.4	44.80	0.000
##	23244	3864.4	44.81	0.000
##	3024	3864.4	44.83	0.000
##	17859	3864.4	44.83	0.000
##	21987	3864.4	44.85	0.000
##	11212	3864.4	44.89	0.000
##	27588	3864.4	44.89	0.000
##	23248	3864.5	44.97	0.000
##	19152	3864.5	44.98	0.000
##	28323	3864.6	45.00	0.000
##	6628	3864.6	45.01	0.000
##	5859	3864.6	45.05	0.000
##	27340	3864.6	45.05	0.000
##	11947	3864.7	45.10	0.000
##	19403	3864.7	45.14	0.000
##	20139	3864.7	45.15	0.000
##	6372	3864.8	45.23	0.000
##	11215	3864.8	45.23	0.000
##	6371	3864.8	45.24	0.000
##	23495	3864.8	45.26	0.000
##	8110	3864.8	45.27	0.000
##	27591	3864.9	45.31	0.000
##	24490	3864.9	45.33	0.000
##	28331	3864.9	45.34	0.000
##	23243	3865.0	45.41	0.000
##	27343	3865.0	45.43	0.000
##	1251	3865.1	45.53	0.000
##	27592	3865.1	45.53	0.000
##	11942	3865.1	45.55	0.000
##	24238	3865.1	45.55	0.000
##	10468	3865.1	45.55	0.000
##	5860	3865.1	45.56	0.000
##	6115	3865.1	45.57	0.000
##	2540	3865.1	45.59	0.000
##	11216	3865.2	45.60	0.000
##	20398	3865.2	45.64	0.000
##	15312	3865.2	45.64	0.000
##	1764	3865.2	45.64	0.000
##	18403	3865.2	45.66	0.000
##	21955	3865.2	45.67	0.000
##	28578	3865.2	45.67	0.000
##	6635	3865.2	45.67	0.000
##	20395	3865.2	45.68	0.000
##	27344	3865.2	45.68	0.000
##	7119	3865.3	45.69	0.000
##	2279	3865.3	45.70	0.000
##	18916	3865.3	45.71	0.000
##	31688	3865.3	45.71	0.000
##	31440	3865.3	45.72	0.000
##	18660	3865.3	45.72	0.000
##	10475	3865.3	45.72	0.000
##	5603	3865.3	45.73	0.000

##	28326	3865.3	45.75	0.000
##	31684	3865.3	45.77	0.000
##	2284	3865.4	45.80	0.000
##	7851	3865.4	45.81	0.000
##	9699	3865.4	45.82	0.000
##	19404	3865.4	45.83	0.000
##	15308	3865.4	45.84	0.000
##	18147	3865.4	45.86	0.000
##	3759	3865.4	45.86	0.000
##	2536	3865.4	45.87	0.000
##	31436	3865.5	45.91	0.000
##	17892	3865.5	45.92	0.000
##	32430	3865.5	45.92	0.000
##	21988	3865.5	45.93	0.000
##	2543	3865.5	45.95	0.000
##	10724	3865.5	45.98	0.000
##	4002	3865.5	45.99	0.000
##	32682	3865.6	46.02	0.000
##	6379	3865.6	46.02	0.000
##	17635	3865.6	46.05	0.000
##	20131	3865.6	46.07	0.000
##	18923	3865.7	46.11	0.000
##	15307	3865.7	46.11	0.000
##	32418	3865.7	46.12	0.000
##	24226	3865.7	46.13	0.000
##	7846	3865.7	46.14	0.000
##	7842	3865.7	46.17	0.000
##	10731	3865.8	46.19	0.000
##	16302	3865.8	46.20	0.000
##	23247	3865.8	46.20	0.000
##	18919	3865.8	46.21	0.000
##	31683	3865.8	46.23	0.000
##	19407	3865.8	46.25	0.000
##	18667	3865.8	46.25	0.000
##	28590	3865.8	46.25	0.000
##	26083	3865.8	46.26	0.000
##	17895	3865.8	46.29	0.000
##	17899	3865.9	46.30	0.000
##	20134	3865.9	46.32	0.000
##	23011	3865.9	46.33	0.000
##	11938	3865.9	46.34	0.000
##	1767	3865.9	46.38	0.000
##	31435	3865.9	46.39	0.000
##	2020	3866.0	46.41	0.000
##	22499	3866.0	46.43	0.000
##	2280	3866.0	46.44	0.000
##	9955	3866.1	46.50	0.000
##	1771	3866.1	46.52	0.000
##	22244	3866.1	46.56	0.000
##	17603	3866.1	46.58	0.000
##	6116	3866.1	46.59	0.000
##	22755	3866.1	46.59	0.000
##	2287	3866.2	46.60	0.000
##	22243	3866.2	46.60	0.000

##	26851	3866.2	46.63	0.000
##	18663	3866.2	46.64	0.000
##	21956	3866.2	46.64	0.000
##	15311	3866.2	46.64	0.000
##	1511	3866.2	46.65	0.000
##	1508	3866.2	46.67	0.000
##	2023	3866.2	46.67	0.000
##	17860	3866.2	46.68	0.000
##	14563	3866.2	46.68	0.000
##	23500	3866.3	46.70	0.000
##	27107	3866.3	46.71	0.000
##	5347	3866.3	46.71	0.000
##	19408	3866.3	46.73	0.000
##	10211	3866.3	46.74	0.000
##	20386	3866.3	46.74	0.000
##	1515	3866.3	46.75	0.000
##	6631	3866.3	46.75	0.000
##	19169	3866.3	46.77	0.000
##	1731	3866.3	46.78	0.000
##	20387	3866.3	46.79	0.000
##	14819	3866.4	46.80	0.000
##	18371	3866.4	46.81	0.000
##	27595	3866.4	46.82	0.000
##	12203	3866.4	46.84	0.000
##	23504	3866.4	46.85	0.000
##	8107	3866.4	46.86	0.000
##	31439	3866.4	46.87	0.000
##	6380	3866.4	46.88	0.000
##	4015	3866.5	46.89	0.000
##	21995	3866.5	46.90	0.000
##	18115	3866.5	46.91	0.000
##	21731	3866.5	46.91	0.000
##	22500	3866.5	46.91	0.000
##	6636	3866.5	46.91	0.000
##	17863	3866.5	46.91	0.000
##	4006	3866.5	46.92	0.000
##	2027	3866.5	46.92	0.000
##	13795	3866.5	46.93	0.000
##	10471	3866.5	46.95	0.000
##	23499	3866.5	46.95	0.000
##	14564	3866.5	46.96	0.000
##	2243	3866.5	46.97	0.000
##	31687	3866.6	47.00	0.000
##	2499	3866.6	47.01	0.000
##	10727	3866.6	47.04	0.000
##	30179	3866.7	47.10	0.000
##	3747	3866.7	47.10	0.000
##	6632	3866.7	47.11	0.000
##	28579	3866.7	47.12	0.000
##	5863	3866.7	47.13	0.000
##	18148	3866.7	47.13	0.000
##	22756	3866.7	47.16	0.000
##	28587	3866.7	47.16	0.000
##	5864	3866.7	47.18	0.000

##	17867	3866.7	47.18	0.000
##	26051	3866.8	47.21	0.000
##	12198	3866.8	47.22	0.000
##	21991	3866.8	47.24	0.000
##	23012	3866.8	47.28	0.000
##	18404	3866.8	47.28	0.000
##	12194	3866.9	47.29	0.000
##	16038	3866.9	47.31	0.000
##	10476	3866.9	47.36	0.000
##	22212	3867.0	47.41	0.000
##	21699	3867.0	47.42	0.000
##	6119	3867.0	47.45	0.000
##	11951	3867.0	47.46	0.000
##	22467	3867.0	47.46	0.000
##	5867	3867.0	47.47	0.000
##	14051	3867.0	47.47	0.000
##	27596	3867.0	47.47	0.000
##	14820	3867.0	47.48	0.000
##	1252	3867.1	47.50	0.000
##	6376	3867.1	47.52	0.000
##	5604	3867.1	47.53	0.000
##	16043	3867.1	47.53	0.000
##	22211	3867.1	47.53	0.000
##	28327	3867.1	47.54	0.000
##	3753	3867.1	47.55	0.000
##	32422	3867.1	47.56	0.000
##	32419	3867.1	47.57	0.000
##	21732	3867.1	47.57	0.000
##	28582	3867.1	47.58	0.000
##	14571	3867.1	47.58	0.000
##	32674	3867.2	47.61	0.000
##	6639	3867.2	47.61	0.000
##	18920	3867.2	47.63	0.000
##	2544	3867.2	47.66	0.000
##	24235	3867.2	47.68	0.000
##	14307	3867.2	47.68	0.000
##	20143	3867.2	47.69	0.000
##	23503	3867.3	47.70	0.000
##	6375	3867.3	47.70	0.000
##	17636	3867.3	47.70	0.000
##	5827	3867.3	47.73	0.000
##	27599	3867.3	47.74	0.000
##	10479	3867.3	47.75	0.000
##	5607	3867.3	47.76	0.000
##	18664	3867.3	47.77	0.000
##	1987	3867.3	47.77	0.000
##	1768	3867.3	47.78	0.000
##	24494	3867.4	47.81	0.000
##	10472	3867.4	47.81	0.000
##	1255	3867.4	47.84	0.000
##	9443	3867.4	47.85	0.000
##	26852	3867.4	47.85	0.000
##	22468	3867.4	47.85	0.000
##	1259	3867.4	47.87	0.000



##	18668	3867.4	47.88	0.000
##	1772	3867.4	47.89	0.000
##	32427	3867.5	47.89	0.000
##	21959	3867.5	47.90	0.000
##	18927	3867.5	47.93	0.000
##	28335	3867.5	47.93	0.000
##	5868	3867.5	47.94	0.000
##	18924	3867.5	47.94	0.000
##	26339	3867.5	47.96	0.000
##	19170	3867.5	47.97	0.000
##	21700	3867.5	47.98	0.000
##	11945	3867.5	47.98	0.000
##	8098	3867.5	47.99	0.000
##	24230	3867.5	47.99	0.000
##	10732	3867.6	48.00	0.000
##	6120	3867.6	48.00	0.000
##	14052	3867.6	48.01	0.000
##	9700	3867.6	48.02	0.000
##	6123	3867.6	48.03	0.000
##	2288	3867.6	48.05	0.000
##	30147	3867.6	48.05	0.000
##	23019	3867.6	48.05	0.000
##	9956	3867.6	48.06	0.000
##	21963	3867.6	48.06	0.000
##	18411	3867.6	48.09	0.000
##	2244	3867.7	48.09	0.000
##	14827	3867.7	48.10	0.000
##	9707	3867.7	48.10	0.000
##	26595	3867.7	48.10	0.000
##	18407	3867.7	48.11	0.000
##	5611	3867.7	48.12	0.000
##	22763	3867.7	48.13	0.000
##	19173	3867.7	48.13	0.000
##	5348	3867.7	48.13	0.000
##	27361	3867.7	48.14	0.000
##	18116	3867.7	48.14	0.000
##	27600	3867.7	48.15	0.000
##	17604	3867.7	48.15	0.000
##	9703	3867.7	48.16	0.000
##	6383	3867.7	48.18	0.000
##	26859	3867.7	48.18	0.000
##	17639	3867.8	48.20	0.000
##	10735	3867.8	48.21	0.000
##	10728	3867.8	48.21	0.000
##	18671	3867.8	48.21	0.000
##	26084	3867.8	48.23	0.000
##	24491	3867.8	48.23	0.000
##	21996	3867.8	48.23	0.000
##	25827	3867.8	48.24	0.000
##	27108	3867.8	48.24	0.000
##	30180	3867.8	48.25	0.000
##	18155	3867.8	48.25	0.000
##	20399	3867.8	48.25	0.000
##	17643	3867.8	48.26	0.000

##	31696	3867.8	48.26	0.000
##	17896	3867.8	48.26	0.000
##	23015	3867.8	48.28	0.000
##	18151	3867.8	48.29	0.000
##	17900	3867.9	48.33	0.000
##	7855	3867.9	48.35	0.000
##	21992	3867.9	48.39	0.000
##	18372	3867.9	48.39	0.000
##	1739	3867.9	48.39	0.000
##	2024	3868.0	48.39	0.000
##	31692	3868.0	48.40	0.000
##	32686	3868.0	48.41	0.000
##	10435	3868.0	48.44	0.000
##	1475	3868.0	48.44	0.000
##	1732	3868.0	48.46	0.000
##	17607	3868.0	48.49	0.000
##	2500	3868.1	48.50	0.000
##	25795	3868.1	48.51	0.000
##	5828	3868.1	48.53	0.000
##	16034	3868.1	48.53	0.000
##	26087	3868.1	48.57	0.000
##	8102	3868.2	48.59	0.000
##	2028	3868.2	48.60	0.000
##	1219	3868.2	48.60	0.000
##	20135	3868.2	48.60	0.000
##	24227	3868.2	48.60	0.000
##	24482	3868.2	48.61	0.000
##	27115	3868.2	48.62	0.000
##	10212	3868.2	48.62	0.000
##	26091	3868.2	48.63	0.000
##	17903	3868.2	48.64	0.000
##	6640	3868.2	48.64	0.000
##	14572	3868.2	48.66	0.000
##	22759	3868.2	48.67	0.000
##	13796	3868.2	48.67	0.000
##	22507	3868.2	48.67	0.000
##	3751	3868.2	48.68	0.000
##	31691	3868.2	48.68	0.000
##	14308	3868.3	48.72	0.000
##	9959	3868.3	48.73	0.000
##	26307	3868.3	48.75	0.000
##	27111	3868.3	48.75	0.000
##	30436	3868.3	48.76	0.000
##	26855	3868.3	48.78	0.000
##	30947	3868.3	48.78	0.000
##	30435	3868.3	48.79	0.000
##	22251	3868.3	48.79	0.000
##	20390	3868.3	48.79	0.000
##	6083	3868.4	48.80	0.000
##	1512	3868.4	48.81	0.000
##	21739	3868.4	48.81	0.000
##	1775	3868.4	48.81	0.000
##	17864	3868.4	48.84	0.000
##	6384	3868.4	48.84	0.000

##	1735	3868.4	48.85	0.000
##	1516	3868.4	48.86	0.000
##	19174	3868.4	48.86	0.000
##	10977	3868.4	48.87	0.000
##	31203	3868.4	48.87	0.000
##	22503	3868.4	48.88	0.000
##	30691	3868.4	48.89	0.000
##	22248	3868.5	48.89	0.000
##	9963	3868.5	48.92	0.000
##	4003	3868.5	48.92	0.000
##	16294	3868.5	48.93	0.000
##	17611	3868.5	48.93	0.000
##	6124	3868.5	48.94	0.000
##	17868	3868.5	48.96	0.000
##	6339	3868.5	48.96	0.000
##	5351	3868.5	48.96	0.000
##	10215	3868.5	48.98	0.000
##	23016	3868.5	48.99	0.000
##	11939	3868.5	48.99	0.000
##	21960	3868.6	49.00	0.000
##	22760	3868.6	49.00	0.000
##	22252	3868.6	49.00	0.000
##	1519	3868.6	49.01	0.000
##	13539	3868.6	49.03	0.000
##	14567	3868.6	49.03	0.000
##	22247	3868.6	49.04	0.000
##	14568	3868.6	49.04	0.000
##	21964	3868.6	49.06	0.000
##	6595	3868.6	49.06	0.000
##	30148	3868.6	49.06	0.000
##	26052	3868.6	49.08	0.000
##	19425	3868.6	49.08	0.000
##	19177	3868.6	49.09	0.000
##	5355	3868.7	49.09	0.000
##	1995	3868.7	49.10	0.000
##	10219	3868.7	49.11	0.000
##	14823	3868.7	49.12	0.000
##	2031	3868.7	49.12	0.000
##	27365	3868.7	49.12	0.000
##	23265	3868.7	49.15	0.000
##	29923	3868.7	49.15	0.000
##	9923	3868.7	49.16	0.000
##	18379	3868.7	49.17	0.000
##	4009	3868.7	49.17	0.000
##	22764	3868.7	49.18	0.000
##	21735	3868.8	49.19	0.000
##	13799	3868.8	49.20	0.000
##	18375	3868.8	49.20	0.000
##	31695	3868.8	49.21	0.000
##	26563	3868.8	49.23	0.000
##	1483	3868.8	49.23	0.000
##	26340	3868.8	49.24	0.000
##	12207	3868.8	49.25	0.000
##	18123	3868.8	49.26	0.000

##	18119	3868.8	49.26	0.000
##	30187	3868.8	49.26	0.000
##	22504	3868.8	49.27	0.000
##	17871	3868.8	49.27	0.000
##	2503	3868.8	49.28	0.000
##	16299	3868.8	49.29	0.000
##	26055	3868.9	49.30	0.000
##	10691	3868.9	49.31	0.000
##	10480	3868.9	49.34	0.000
##	32678	3868.9	49.34	0.000
##	13803	3868.9	49.34	0.000
##	21999	3868.9	49.34	0.000
##	20391	3868.9	49.35	0.000
##	24483	3868.9	49.35	0.000
##	18883	3868.9	49.35	0.000
##	5608	3868.9	49.35	0.000
##	30948	3868.9	49.36	0.000
##	30404	3868.9	49.36	0.000
##	2247	3868.9	49.36	0.000
##	27362	3868.9	49.37	0.000
##	22508	3868.9	49.38	0.000
##	2507	3868.9	49.38	0.000
##	16290	3868.9	49.39	0.000
##	8111	3869.0	49.39	0.000
##	2251	3869.0	49.40	0.000
##	14828	3869.0	49.40	0.000
##	23020	3869.0	49.40	0.000
##	18627	3869.0	49.40	0.000
##	29891	3869.0	49.41	0.000
##	14575	3869.0	49.41	0.000
##	30692	3869.0	49.42	0.000
##	6340	3869.0	49.42	0.000
##	1740	3869.0	49.46	0.000
##	30403	3869.0	49.48	0.000
##	5871	3869.0	49.49	0.000
##	21703	3869.1	49.51	0.000
##	30183	3869.1	49.51	0.000
##	14824	3869.1	49.52	0.000
##	14055	3869.1	49.53	0.000
##	10978	3869.1	49.53	0.000
##	5831	3869.1	49.57	0.000
##	26059	3869.1	49.57	0.000
##	18156	3869.1	49.58	0.000
##	18152	3869.1	49.58	0.000
##	7843	3869.2	49.60	0.000
##	14056	3869.2	49.61	0.000
##	5872	3869.2	49.66	0.000
##	1991	3869.2	49.66	0.000
##	5835	3869.2	49.67	0.000
##	28583	3869.3	49.69	0.000
##	23023	3869.3	49.70	0.000
##	1988	3869.3	49.70	0.000
##	32675	3869.3	49.71	0.000
##	10436	3869.3	49.74	0.000

##	32683	3869.3	49.74	0.000
##	14311	3869.3	49.74	0.000
##	18928	3869.3	49.74	0.000
##	18408	3869.3	49.75	0.000
##	21707	3869.3	49.75	0.000
##	18412	3869.3	49.76	0.000
##	26596	3869.3	49.76	0.000
##	1260	3869.3	49.77	0.000
##	28591	3869.3	49.78	0.000
##	21740	3869.3	49.79	0.000
##	27366	3869.3	49.79	0.000
##	1256	3869.4	49.80	0.000
##	7849	3869.4	49.80	0.000
##	3757	3869.4	49.81	0.000
##	22220	3869.4	49.81	0.000
##	18672	3869.4	49.81	0.000
##	22216	3869.4	49.82	0.000
##	5832	3869.4	49.82	0.000
##	5612	3869.4	49.83	0.000
##	29924	3869.4	49.83	0.000
##	9444	3869.4	49.83	0.000
##	9667	3869.4	49.84	0.000
##	31204	3869.4	49.85	0.000
##	5836	3869.4	49.85	0.000
##	26860	3869.4	49.87	0.000
##	1227	3869.4	49.88	0.000
##	5571	3869.4	49.89	0.000
##	6127	3869.4	49.89	0.000
##	28329	3869.4	49.89	0.000
##	26856	3869.5	49.90	0.000
##	25828	3869.5	49.90	0.000
##	10179	3869.5	49.91	0.000
##	30659	3869.5	49.92	0.000
##	14059	3869.5	49.92	0.000
##	14831	3869.5	49.92	0.000
##	22475	3869.5	49.92	0.000
##	22767	3869.5	49.92	0.000
##	22471	3869.5	49.92	0.000
##	17640	3869.5	49.93	0.000
##	20137	3869.5	49.95	0.000
##	22219	3869.5	49.96	0.000
##	21736	3869.5	49.96	0.000
##	22215	3869.5	49.96	0.000
##	16047	3869.5	49.97	0.000
##	5315	3869.5	49.97	0.000
##	10736	3869.5	49.97	0.000
##	26308	3869.5	49.98	0.000
##	29892	3869.6	49.99	0.000
##	6084	3869.6	50.00	0.000
##	6596	3869.6	50.01	0.000
##	11943	3869.6	50.04	0.000
##	17644	3869.6	50.06	0.000
##	23266	3869.6	50.07	0.000
##	16041	3869.6	50.09	0.000

##	25796	3869.7	50.09	0.000
##	30955	3869.7	50.09	0.000
##	26863	3869.7	50.10	0.000
##	10985	3869.7	50.13	0.000
##	14019	3869.7	50.14	0.000
##	32423	3869.7	50.14	0.000
##	1776	3869.7	50.14	0.000
##	19181	3869.7	50.15	0.000
##	9960	3869.7	50.16	0.000
##	14315	3869.7	50.16	0.000
##	17608	3869.7	50.17	0.000
##	5615	3869.8	50.19	0.000
##	9708	3869.8	50.19	0.000
##	27112	3869.8	50.20	0.000
##	9447	3869.8	50.20	0.000
##	5352	3869.8	50.21	0.000
##	9451	3869.8	50.21	0.000
##	1263	3869.8	50.22	0.000
##	19429	3869.8	50.23	0.000
##	24239	3869.8	50.24	0.000
##	21704	3869.8	50.24	0.000
##	14576	3869.8	50.27	0.000
##	22476	3869.8	50.28	0.000
##	4007	3869.8	50.28	0.000
##	18124	3869.8	50.29	0.000
##	22472	3869.9	50.30	0.000
##	30151	3869.9	50.31	0.000
##	30660	3869.9	50.31	0.000
##	9964	3869.9	50.32	0.000
##	21967	3869.9	50.33	0.000
##	26347	3869.9	50.34	0.000
##	9704	3869.9	50.35	0.000
##	1736	3869.9	50.37	0.000
##	14312	3869.9	50.37	0.000
##	21708	3869.9	50.38	0.000
##	2252	3869.9	50.38	0.000
##	10945	3870.0	50.39	0.000
##	19426	3870.0	50.39	0.000
##	25835	3870.0	50.40	0.000
##	6087	3870.0	50.40	0.000
##	2248	3870.0	50.40	0.000
##	28300	3870.0	50.41	0.000
##	13540	3870.0	50.42	0.000
##	26343	3870.0	50.42	0.000
##	11949	3870.0	50.42	0.000
##	14060	3870.0	50.42	0.000
##	19178	3870.0	50.43	0.000
##	12201	3870.0	50.43	0.000
##	25831	3870.0	50.44	0.000
##	17612	3870.0	50.46	0.000
##	1479	3870.0	50.46	0.000
##	27119	3870.0	50.46	0.000
##	23269	3870.0	50.47	0.000
##	27369	3870.0	50.47	0.000

##	1996	3870.0	50.47	0.000
##	17647	3870.0	50.48	0.000
##	30155	3870.0	50.48	0.000
##	27116	3870.0	50.49	0.000
##	5356	3870.0	50.49	0.000
##	25799	3870.1	50.49	0.000
##	24486	3870.1	50.49	0.000
##	18628	3870.1	50.50	0.000
##	9711	3870.1	50.50	0.000
##	6128	3870.1	50.51	0.000
##	32431	3870.1	50.51	0.000
##	6091	3870.1	50.52	0.000
##	14531	3870.1	50.53	0.000
##	27617	3870.1	50.56	0.000
##	18120	3870.1	50.56	0.000
##	18380	3870.1	50.56	0.000
##	9675	3870.1	50.56	0.000
##	26603	3870.1	50.57	0.000
##	31457	3870.1	50.57	0.000
##	18415	3870.1	50.57	0.000
##	26599	3870.1	50.59	0.000
##	26088	3870.2	50.59	0.000
##	31211	3870.2	50.60	0.000
##	26819	3870.2	50.61	0.000
##	30188	3870.2	50.62	0.000
##	2508	3870.2	50.65	0.000
##	2504	3870.2	50.66	0.000
##	23270	3870.2	50.67	0.000
##	1220	3870.2	50.67	0.000
##	26092	3870.2	50.68	0.000
##	1476	3870.2	50.68	0.000
##	10439	3870.3	50.70	0.000
##	1743	3870.3	50.70	0.000
##	18159	3870.3	50.71	0.000
##	17904	3870.3	50.71	0.000
##	22000	3870.3	50.71	0.000
##	30184	3870.3	50.72	0.000
##	18884	3870.3	50.73	0.000
##	2032	3870.3	50.75	0.000
##	10216	3870.3	50.76	0.000
##	3745	3870.3	50.78	0.000
##	9931	3870.3	50.78	0.000
##	22768	3870.4	50.80	0.000
##	1223	3870.4	50.81	0.000
##	26564	3870.4	50.81	0.000
##	13800	3870.4	50.81	0.000
##	24495	3870.4	50.82	0.000
##	10220	3870.4	50.82	0.000
##	18376	3870.4	50.83	0.000
##	31207	3870.4	50.85	0.000
##	10692	3870.4	50.85	0.000
##	17615	3870.4	50.85	0.000
##	9924	3870.4	50.86	0.000
##	9411	3870.4	50.86	0.000

##	30951	3870.4	50.87	0.000
##	14275	3870.4	50.87	0.000
##	23024	3870.4	50.88	0.000
##	25803	3870.4	50.88	0.000
##	10443	3870.4	50.89	0.000
##	30443	3870.5	50.90	0.000
##	14020	3870.5	50.95	0.000
##	29931	3870.5	50.96	0.000
##	13804	3870.5	50.98	0.000
##	26095	3870.5	50.98	0.000
##	5579	3870.5	50.99	0.000
##	14832	3870.6	51.02	0.000
##	10946	3870.6	51.04	0.000
##	27373	3870.6	51.06	0.000
##	6088	3870.6	51.09	0.000
##	1484	3870.6	51.09	0.000
##	30440	3870.7	51.09	0.000
##	14316	3870.7	51.09	0.000
##	17872	3870.7	51.11	0.000
##	1520	3870.7	51.12	0.000
##	22511	3870.7	51.12	0.000
##	6092	3870.7	51.12	0.000
##	10981	3870.7	51.12	0.000
##	28321	3870.7	51.14	0.000
##	19430	3870.7	51.14	0.000
##	26311	3870.7	51.15	0.000
##	13763	3870.7	51.16	0.000
##	24231	3870.7	51.17	0.000
##	26315	3870.7	51.17	0.000
##	30699	3870.7	51.18	0.000
##	21743	3870.7	51.18	0.000
##	30444	3870.7	51.19	0.000
##	9967	3870.8	51.19	0.000
##	30952	3870.8	51.20	0.000
##	9927	3870.8	51.21	0.000
##	7847	3870.8	51.22	0.000
##	22255	3870.8	51.22	0.000
##	30956	3870.8	51.22	0.000
##	19182	3870.8	51.23	0.000
##	12195	3870.8	51.24	0.000
##	30439	3870.8	51.24	0.000
##	10187	3870.8	51.24	0.000
##	14532	3870.8	51.24	0.000
##	15073	3870.8	51.25	0.000
##	26056	3870.8	51.26	0.000
##	6599	3870.8	51.29	0.000
##	11233	3870.9	51.29	0.000
##	6343	3870.9	51.33	0.000
##	13543	3870.9	51.34	0.000
##	22256	3870.9	51.34	0.000
##	5359	3870.9	51.34	0.000
##	1999	3870.9	51.34	0.000
##	8105	3870.9	51.34	0.000
##	26060	3870.9	51.37	0.000



##	30695	3870.9	51.37	0.000
##	22979	3871.0	51.41	0.000
##	22723	3871.0	51.41	0.000
##	14787	3871.0	51.41	0.000
##	6347	3871.0	51.41	0.000
##	13547	3871.0	51.43	0.000
##	21968	3871.0	51.43	0.000
##	8099	3871.0	51.44	0.000
##	10223	3871.0	51.44	0.000
##	30152	3871.0	51.44	0.000
##	1992	3871.0	51.45	0.000
##	23273	3871.0	51.47	0.000
##	27075	3871.0	51.47	0.000
##	19433	3871.0	51.47	0.000
##	29927	3871.0	51.47	0.000
##	10982	3871.0	51.48	0.000
##	10986	3871.0	51.49	0.000
##	23521	3871.1	51.49	0.000
##	16035	3871.1	51.50	0.000
##	30156	3871.1	51.50	0.000
##	6603	3871.1	51.50	0.000
##	5323	3871.1	51.51	0.000
##	10695	3871.1	51.52	0.000
##	31461	3871.1	51.52	0.000
##	1228	3871.1	51.53	0.000
##	1487	3871.1	51.54	0.000
##	31458	3871.1	51.56	0.000
##	29895	3871.1	51.57	0.000
##	6344	3871.1	51.57	0.000
##	18383	3871.1	51.58	0.000
##	15074	3871.1	51.58	0.000
##	31208	3871.1	51.58	0.000
##	4013	3871.2	51.60	0.000
##	27621	3871.2	51.61	0.000
##	26571	3871.2	51.62	0.000
##	20393	3871.2	51.62	0.000
##	18127	3871.2	51.63	0.000
##	5316	3871.2	51.63	0.000
##	26567	3871.2	51.65	0.000
##	13807	3871.2	51.66	0.000
##	20108	3871.2	51.67	0.000
##	26063	3871.2	51.67	0.000
##	26820	3871.2	51.68	0.000
##	20129	3871.2	51.68	0.000
##	5840	3871.2	51.69	0.000
##	31462	3871.3	51.69	0.000
##	10989	3871.3	51.70	0.000
##	29899	3871.3	51.70	0.000
##	27618	3871.3	51.70	0.000
##	10699	3871.3	51.71	0.000
##	26344	3871.3	51.71	0.000
##	26348	3871.3	51.73	0.000
##	30191	3871.3	51.73	0.000
##	5575	3871.3	51.73	0.000

##	1744	3871.3	51.73	0.000
##	18887	3871.3	51.73	0.000
##	2511	3871.3	51.74	0.000
##	22512	3871.3	51.74	0.000
##	26864	3871.3	51.75	0.000
##	16303	3871.3	51.78	0.000
##	22724	3871.3	51.78	0.000
##	6348	3871.3	51.78	0.000
##	30408	3871.3	51.78	0.000
##	5616	3871.3	51.79	0.000
##	5839	3871.3	51.79	0.000
##	30696	3871.4	51.80	0.000
##	18631	3871.4	51.81	0.000
##	18891	3871.4	51.81	0.000
##	2255	3871.4	51.82	0.000
##	30959	3871.4	51.83	0.000
##	30412	3871.4	51.83	0.000
##	5572	3871.4	51.83	0.000
##	27370	3871.4	51.85	0.000
##	10440	3871.4	51.85	0.000
##	18635	3871.4	51.86	0.000
##	10180	3871.4	51.88	0.000
##	9932	3871.4	51.89	0.000
##	30411	3871.4	51.89	0.000
##	21711	3871.5	51.89	0.000
##	11234	3871.5	51.90	0.000
##	14063	3871.5	51.91	0.000
##	30700	3871.5	51.92	0.000
##	30407	3871.5	51.93	0.000
##	24487	3871.5	51.94	0.000
##	10183	3871.5	51.96	0.000
##	14023	3871.5	51.96	0.000
##	6600	3871.5	51.97	0.000
##	31212	3871.5	51.97	0.000
##	32396	3871.6	51.99	0.000
##	29932	3871.6	52.00	0.000
##	7853	3871.6	52.00	0.000
##	10444	3871.6	52.04	0.000
##	18160	3871.6	52.06	0.000
##	9671	3871.6	52.07	0.000
##	5319	3871.6	52.07	0.000
##	9668	3871.6	52.09	0.000
##	14276	3871.7	52.09	0.000
##	14027	3871.7	52.10	0.000
##	32425	3871.7	52.10	0.000
##	27374	3871.7	52.12	0.000
##	14064	3871.7	52.12	0.000
##	9452	3871.7	52.13	0.000
##	1264	3871.7	52.13	0.000
##	22980	3871.7	52.14	0.000
##	9448	3871.7	52.18	0.000
##	25832	3871.7	52.18	0.000
##	9419	3871.7	52.18	0.000
##	25800	3871.7	52.19	0.000

##	24233	3871.8	52.20	0.000
##	13507	3871.8	52.21	0.000
##	14319	3871.8	52.22	0.000
##	21744	3871.8	52.23	0.000
##	1231	3871.8	52.23	0.000
##	13771	3871.8	52.23	0.000
##	6604	3871.8	52.25	0.000
##	25836	3871.8	52.25	0.000
##	31215	3871.8	52.25	0.000
##	14024	3871.8	52.26	0.000
##	22224	3871.8	52.26	0.000
##	18416	3871.8	52.26	0.000
##	29928	3871.8	52.26	0.000
##	20141	3871.8	52.26	0.000
##	26604	3871.8	52.26	0.000
##	26600	3871.8	52.26	0.000
##	27622	3871.8	52.27	0.000
##	26316	3871.8	52.28	0.000
##	27120	3871.9	52.30	0.000
##	12199	3871.9	52.30	0.000
##	14028	3871.9	52.30	0.000
##	29896	3871.9	52.31	0.000
##	32679	3871.9	52.32	0.000
##	27329	3871.9	52.33	0.000
##	17648	3871.9	52.33	0.000
##	28333	3871.9	52.37	0.000
##	28585	3871.9	52.37	0.000
##	32687	3871.9	52.38	0.000
##	30667	3872.0	52.40	0.000
##	30663	3872.0	52.40	0.000
##	11241	3872.0	52.40	0.000
##	22479	3872.0	52.40	0.000
##	9676	3872.0	52.40	0.000
##	23277	3872.0	52.41	0.000
##	3749	3872.0	52.41	0.000
##	22223	3872.0	52.41	0.000
##	29900	3872.0	52.41	0.000
##	19437	3872.0	52.42	0.000
##	14788	3872.0	52.43	0.000
##	26312	3872.0	52.43	0.000
##	5580	3872.0	52.45	0.000
##	15081	3872.0	52.46	0.000
##	17616	3872.0	52.47	0.000
##	25804	3872.0	52.47	0.000
##	6095	3872.1	52.52	0.000
##	23522	3872.1	52.53	0.000
##	23274	3872.1	52.55	0.000
##	9968	3872.1	52.56	0.000
##	16297	3872.1	52.56	0.000
##	16045	3872.1	52.57	0.000
##	13544	3872.2	52.59	0.000
##	9455	3872.2	52.60	0.000
##	14283	3872.2	52.61	0.000
##	16039	3872.2	52.61	0.000

##	23525	3872.2	52.61	0.000
##	9712	3872.2	52.62	0.000
##	10949	3872.2	52.63	0.000
##	5360	3872.2	52.64	0.000
##	10188	3872.2	52.65	0.000
##	1480	3872.2	52.66	0.000
##	19137	3872.2	52.66	0.000
##	5324	3872.2	52.66	0.000
##	21712	3872.2	52.67	0.000
##	2000	3872.2	52.67	0.000
##	25839	3872.2	52.68	0.000
##	14279	3872.2	52.69	0.000
##	30915	3872.3	52.70	0.000
##	18128	3872.3	52.72	0.000
##	10953	3872.3	52.72	0.000
##	15041	3872.3	52.73	0.000
##	14535	3872.3	52.74	0.000
##	9928	3872.3	52.75	0.000
##	22480	3872.3	52.76	0.000
##	30159	3872.3	52.76	0.000
##	30668	3872.3	52.78	0.000
##	30960	3872.3	52.78	0.000
##	30664	3872.3	52.78	0.000
##	11201	3872.3	52.78	0.000
##	2256	3872.3	52.78	0.000
##	27076	3872.4	52.80	0.000
##	13548	3872.4	52.80	0.000
##	26351	3872.4	52.82	0.000
##	11937	3872.4	52.82	0.000
##	1224	3872.4	52.84	0.000
##	27625	3872.4	52.84	0.000
##	6096	3872.4	52.85	0.000
##	8103	3872.4	52.85	0.000
##	10990	3872.4	52.86	0.000
##	18636	3872.4	52.86	0.000
##	28304	3872.4	52.87	0.000
##	19434	3872.4	52.88	0.000
##	18632	3872.4	52.88	0.000
##	25807	3872.5	52.90	0.000
##	12205	3872.5	52.90	0.000
##	14320	3872.5	52.90	0.000
##	31465	3872.5	52.90	0.000
##	28556	3872.5	52.91	0.000
##	10696	3872.5	52.93	0.000
##	9412	3872.5	52.94	0.000
##	2512	3872.5	52.97	0.000
##	9679	3872.5	52.97	0.000
##	10950	3872.5	52.97	0.000
##	23278	3872.5	52.98	0.000
##	26823	3872.6	53.01	0.000
##	31713	3872.6	53.01	0.000
##	15042	3872.6	53.01	0.000
##	23526	3872.6	53.01	0.000
##	14539	3872.6	53.01	0.000

##	18384	3872.6	53.03	0.000
##	10700	3872.6	53.03	0.000
##	7841	3872.6	53.03	0.000
##	26572	3872.6	53.04	0.000
##	26827	3872.6	53.05	0.000
##	18888	3872.6	53.07	0.000
##	26096	3872.6	53.07	0.000
##	13764	3872.6	53.07	0.000
##	18892	3872.6	53.08	0.000
##	26607	3872.6	53.08	0.000
##	30916	3872.6	53.08	0.000
##	9935	3872.7	53.10	0.000
##	4001	3872.7	53.12	0.000
##	10224	3872.7	53.12	0.000
##	20364	3872.7	53.13	0.000
##	9415	3872.7	53.13	0.000
##	30192	3872.7	53.13	0.000
##	24204	3872.7	53.16	0.000
##	14536	3872.7	53.16	0.000
##	10447	3872.7	53.18	0.000
##	27330	3872.7	53.19	0.000
##	2793	3872.8	53.20	0.000
##	5583	3872.8	53.22	0.000
##	14284	3872.8	53.23	0.000
##	13808	3872.8	53.23	0.000
##	28577	3872.8	53.25	0.000
##	13767	3872.8	53.28	0.000
##	26568	3872.8	53.28	0.000
##	30447	3872.9	53.33	0.000
##	11202	3872.9	53.34	0.000
##	15078	3872.9	53.36	0.000
##	29935	3872.9	53.37	0.000
##	31469	3872.9	53.38	0.000
##	28325	3873.0	53.40	0.000
##	1488	3873.0	53.40	0.000
##	19138	3873.0	53.44	0.000
##	14280	3873.0	53.45	0.000
##	10954	3873.0	53.46	0.000
##	31216	3873.0	53.46	0.000
##	32417	3873.0	53.48	0.000
##	5576	3873.0	53.48	0.000
##	11941	3873.1	53.50	0.000
##	30448	3873.1	53.51	0.000
##	15077	3873.1	53.52	0.000
##	27629	3873.1	53.52	0.000
##	15082	3873.1	53.53	0.000
##	5320	3873.1	53.53	0.000
##	26064	3873.1	53.54	0.000
##	14791	3873.1	53.58	0.000
##	19438	3873.1	53.58	0.000
##	11237	3873.1	53.58	0.000
##	31171	3873.1	53.58	0.000
##	26319	3873.2	53.59	0.000
##	10191	3873.2	53.60	0.000

##	13772	3873.2	53.61	0.000
##	14540	3873.2	53.62	0.000
##	30703	3873.2	53.66	0.000
##	15329	3873.3	53.71	0.000
##	11242	3873.3	53.71	0.000
##	13551	3873.3	53.74	0.000
##	3724	3873.3	53.75	0.000
##	8109	3873.3	53.76	0.000
##	22983	3873.3	53.76	0.000
##	16291	3873.3	53.78	0.000
##	3041	3873.3	53.79	0.000
##	6607	3873.4	53.80	0.000
##	10184	3873.4	53.80	0.000
##	6351	3873.4	53.80	0.000
##	13515	3873.4	53.81	0.000
##	22727	3873.4	53.81	0.000
##	24489	3873.4	53.83	0.000
##	9420	3873.4	53.83	0.000
##	5327	3873.4	53.84	0.000
##	13508	3873.4	53.85	0.000
##	27079	3873.4	53.86	0.000
##	14795	3873.4	53.88	0.000
##	31714	3873.4	53.89	0.000
##	23529	3873.4	53.89	0.000
##	1232	3873.5	53.89	0.000
##	22731	3873.5	53.89	0.000
##	30160	3873.5	53.90	0.000
##	22987	3873.5	53.92	0.000
##	15085	3873.5	53.92	0.000
##	29903	3873.5	53.92	0.000
##	11238	3873.5	53.92	0.000
##	1761	3873.5	53.93	0.000
##	15330	3873.5	53.94	0.000
##	20112	3873.5	53.94	0.000
##	31470	3873.5	53.96	0.000
##	27083	3873.5	53.98	0.000
##	20385	3873.5	53.98	0.000
##	10703	3873.6	54.01	0.000
##	31717	3873.6	54.03	0.000
##	26824	3873.6	54.04	0.000
##	6352	3873.6	54.04	0.000
##	24225	3873.6	54.04	0.000
##	11245	3873.6	54.05	0.000
##	20397	3873.6	54.05	0.000
##	26575	3873.6	54.06	0.000
##	22728	3873.6	54.06	0.000
##	31466	3873.6	54.07	0.000
##	19884	3873.6	54.07	0.000
##	20133	3873.6	54.08	0.000
##	14032	3873.7	54.16	0.000
##	9936	3873.7	54.16	0.000
##	31718	3873.7	54.18	0.000
##	26828	3873.7	54.18	0.000
##	27626	3873.7	54.18	0.000

##	14031	3873.8	54.22	0.000
##	26352	3873.8	54.23	0.000
##	18895	3873.8	54.23	0.000
##	22732	3873.8	54.24	0.000
##	2786	3873.8	54.26	0.000
##	30416	3873.8	54.28	0.000
##	10448	3873.8	54.28	0.000
##	31172	3873.8	54.29	0.000
##	27333	3873.8	54.29	0.000
##	18639	3873.9	54.29	0.000
##	9672	3873.9	54.30	0.000
##	14792	3873.9	54.31	0.000
##	30704	3873.9	54.31	0.000
##	22984	3873.9	54.37	0.000
##	30415	3873.9	54.37	0.000
##	6608	3874.0	54.39	0.000
##	13511	3874.0	54.40	0.000
##	29936	3874.0	54.47	0.000
##	24237	3874.0	54.48	0.000
##	2785	3874.0	54.49	0.000
##	2794	3874.1	54.51	0.000
##	3042	3874.1	54.53	0.000
##	12193	3874.1	54.53	0.000
##	9456	3874.1	54.53	0.000
##	32652	3874.1	54.55	0.000
##	3049	3874.1	54.56	0.000
##	9423	3874.1	54.56	0.000
##	27630	3874.1	54.56	0.000
##	15086	3874.1	54.57	0.000
##	19393	3874.1	54.57	0.000
##	32400	3874.1	54.58	0.000
##	25808	3874.1	54.58	0.000
##	25840	3874.1	54.58	0.000
##	32429	3874.1	54.59	0.000
##	5584	3874.1	54.59	0.000
##	22988	3874.2	54.60	0.000
##	32681	3874.2	54.61	0.000
##	13775	3874.2	54.63	0.000
##	14796	3874.3	54.71	0.000
##	31425	3874.3	54.71	0.000
##	27585	3874.3	54.73	0.000
##	23533	3874.3	54.73	0.000
##	24460	3874.3	54.74	0.000
##	15337	3874.3	54.74	0.000
##	26320	3874.3	54.75	0.000
##	27337	3874.3	54.75	0.000
##	29904	3874.3	54.77	0.000
##	27334	3874.3	54.77	0.000
##	15046	3874.3	54.77	0.000
##	7845	3874.3	54.77	0.000
##	14287	3874.4	54.79	0.000
##	26608	3874.4	54.80	0.000
##	4005	3874.4	54.82	0.000
##	9680	3874.4	54.83	0.000

##	3009	3874.4	54.84	0.000
##	10957	3874.4	54.85	0.000
##	2754	3874.4	54.86	0.000
##	28589	3874.4	54.88	0.000
##	16295	3874.5	54.90	0.000
##	30671	3874.5	54.91	0.000
##	5328	3874.5	54.92	0.000
##	13516	3874.5	54.92	0.000
##	23233	3874.5	54.94	0.000
##	19141	3874.5	54.95	0.000
##	15045	3874.5	54.98	0.000
##	10192	3874.5	54.98	0.000
##	19145	3874.6	55.02	0.000
##	16033	3874.6	55.04	0.000
##	23530	3874.6	55.04	0.000
##	13552	3874.6	55.04	0.000
##	2753	3874.6	55.05	0.000
##	13768	3874.6	55.05	0.000
##	11205	3874.6	55.06	0.000
##	16301	3874.6	55.07	0.000
##	15049	3874.6	55.08	0.000
##	30919	3874.7	55.09	0.000
##	11209	3874.7	55.11	0.000
##	30923	3874.7	55.12	0.000
##	15297	3874.7	55.15	0.000
##	27080	3874.7	55.15	0.000
##	11246	3874.7	55.17	0.000
##	14288	3874.7	55.18	0.000
##	9416	3874.7	55.18	0.000
##	6889	3874.8	55.21	0.000
##	31426	3874.8	55.22	0.000
##	14543	3874.8	55.24	0.000
##	23234	3874.8	55.27	0.000
##	30672	3874.8	55.28	0.000
##	1762	3874.8	55.28	0.000
##	27084	3874.8	55.29	0.000
##	31721	3874.9	55.29	0.000
##	18640	3874.9	55.29	0.000
##	10704	3874.9	55.29	0.000
##	15298	3874.9	55.30	0.000
##	30920	3874.9	55.33	0.000
##	11206	3874.9	55.37	0.000
##	28560	3875.0	55.39	0.000
##	8097	3875.0	55.41	0.000
##	10958	3875.0	55.41	0.000
##	23534	3875.0	55.41	0.000
##	20368	3875.0	55.42	0.000
##	27338	3875.0	55.44	0.000
##	15050	3875.0	55.46	0.000
##	26831	3875.0	55.46	0.000
##	23980	3875.0	55.47	0.000
##	18896	3875.0	55.48	0.000
##	27586	3875.1	55.49	0.000
##	19142	3875.1	55.53	0.000



##	3010	3875.1	55.53	0.000
##	26576	3875.1	55.53	0.000
##	19146	3875.1	55.55	0.000
##	19394	3875.2	55.60	0.000
##	12197	3875.2	55.61	0.000
##	28581	3875.2	55.62	0.000
##	30924	3875.2	55.62	0.000
##	24208	3875.2	55.62	0.000
##	5857	3875.2	55.62	0.000
##	2797	3875.2	55.63	0.000
##	32673	3875.2	55.63	0.000
##	14544	3875.2	55.67	0.000
##	15338	3875.3	55.70	0.000
##	6882	3875.3	55.71	0.000
##	32421	3875.4	55.79	0.000
##	11210	3875.4	55.80	0.000
##	7820	3875.4	55.80	0.000
##	15334	3875.4	55.81	0.000
##	2017	3875.4	55.84	0.000
##	31725	3875.4	55.86	0.000
##	16037	3875.4	55.86	0.000
##	13512	3875.4	55.87	0.000
##	11916	3875.4	55.88	0.000
##	9953	3875.5	55.92	0.000
##	31175	3875.5	55.95	0.000
##	13776	3875.5	55.97	0.000
##	3980	3875.5	55.98	0.000
##	15333	3875.6	56.00	0.000
##	2789	3875.6	56.00	0.000
##	6890	3875.6	56.01	0.000
##	19628	3875.6	56.01	0.000
##	3050	3875.6	56.03	0.000
##	1765	3875.6	56.07	0.000
##	7137	3875.7	56.10	0.000
##	31179	3875.7	56.11	0.000
##	14799	3875.7	56.12	0.000
##	18145	3875.7	56.12	0.000
##	1769	3875.7	56.16	0.000
##	3045	3875.7	56.17	0.000
##	2761	3875.7	56.17	0.000
##	13519	3875.7	56.18	0.000
##	3728	3875.8	56.19	0.000
##	9424	3875.8	56.23	0.000
##	24493	3875.8	56.25	0.000
##	6850	3875.8	56.27	0.000
##	15341	3875.8	56.27	0.000
##	22991	3875.9	56.30	0.000
##	22735	3875.9	56.31	0.000
##	3500	3875.9	56.33	0.000
##	2790	3875.9	56.36	0.000
##	24481	3875.9	56.36	0.000
##	7138	3875.9	56.37	0.000
##	20389	3875.9	56.38	0.000
##	31722	3875.9	56.38	0.000

##	31726	3875.9	56.38	0.000
##	27087	3876.0	56.39	0.000
##	5858	3876.0	56.39	0.000
##	19888	3876.0	56.46	0.000
##	24229	3876.0	56.48	0.000
##	31176	3876.1	56.51	0.000
##	22736	3876.1	56.57	0.000
##	26832	3876.1	56.57	0.000
##	31430	3876.1	56.57	0.000
##	28076	3876.2	56.63	0.000
##	31429	3876.2	56.65	0.000
##	6881	3876.2	56.66	0.000
##	2757	3876.2	56.67	0.000
##	19397	3876.3	56.73	0.000
##	27589	3876.3	56.74	0.000
##	27341	3876.3	56.74	0.000
##	7145	3876.3	56.74	0.000
##	14800	3876.3	56.78	0.000
##	16289	3876.4	56.81	0.000
##	15342	3876.4	56.82	0.000
##	2762	3876.4	56.82	0.000
##	31180	3876.4	56.84	0.000
##	19401	3876.4	56.86	0.000
##	22992	3876.4	56.89	0.000
##	23489	3876.5	56.91	0.000
##	3053	3876.5	56.93	0.000
##	2798	3876.5	56.96	0.000
##	3244	3876.5	56.98	0.000
##	3046	3876.5	56.99	0.000
##	2758	3876.6	57.01	0.000
##	3017	3876.6	57.01	0.000
##	7105	3876.7	57.11	0.000
##	32685	3876.7	57.12	0.000
##	1729	3876.7	57.12	0.000
##	31681	3876.7	57.13	0.000
##	31433	3876.7	57.16	0.000
##	32656	3876.7	57.16	0.000
##	15302	3876.7	57.16	0.000
##	15053	3876.7	57.17	0.000
##	27342	3876.7	57.18	0.000
##	27590	3876.7	57.18	0.000
##	6849	3876.7	57.18	0.000
##	27593	3876.7	57.18	0.000
##	23238	3876.7	57.19	0.000
##	3013	3876.8	57.20	0.000
##	15054	3876.8	57.20	0.000
##	8101	3876.8	57.21	0.000
##	24464	3876.8	57.22	0.000
##	1770	3876.8	57.22	0.000
##	23724	3876.8	57.23	0.000
##	23237	3876.8	57.23	0.000
##	13520	3876.8	57.26	0.000
##	11213	3876.8	57.28	0.000
##	7106	3876.9	57.29	0.000

##	23241	3876.9	57.35	0.000
##	19149	3876.9	57.36	0.000
##	18146	3876.9	57.37	0.000
##	9954	3877.0	57.40	0.000
##	2018	3877.0	57.42	0.000
##	15301	3877.0	57.43	0.000
##	23242	3877.0	57.48	0.000
##	15305	3877.0	57.48	0.000
##	30927	3877.1	57.49	0.000
##	31682	3877.1	57.51	0.000
##	23490	3877.1	57.53	0.000
##	19398	3877.1	57.54	0.000
##	31434	3877.1	57.54	0.000
##	1766	3877.1	57.58	0.000
##	19402	3877.1	57.59	0.000
##	26337	3877.2	57.59	0.000
##	6893	3877.2	57.65	0.000
##	6113	3877.2	57.66	0.000
##	18401	3877.2	57.68	0.000
##	27088	3877.2	57.68	0.000
##	14049	3877.3	57.73	0.000
##	22241	3877.3	57.76	0.000
##	19150	3877.3	57.77	0.000
##	15306	3877.3	57.78	0.000
##	27820	3877.4	57.80	0.000
##	7146	3877.4	57.81	0.000
##	11214	3877.4	57.81	0.000
##	11692	3877.4	57.82	0.000
##	2025	3877.4	57.82	0.000
##	27594	3877.4	57.85	0.000
##	18149	3877.4	57.87	0.000
##	5861	3877.4	57.88	0.000
##	30928	3877.4	57.88	0.000
##	5865	3877.5	57.91	0.000
##	3018	3877.5	57.94	0.000
##	3014	3877.5	57.96	0.000
##	19876	3877.6	58.00	0.000
##	16293	3877.6	58.00	0.000
##	23984	3877.6	58.00	0.000
##	6886	3877.6	58.03	0.000
##	9961	3877.6	58.03	0.000
##	16012	3877.6	58.04	0.000
##	32677	3877.6	58.04	0.000
##	32172	3877.6	58.06	0.000
##	8076	3877.7	58.12	0.000
##	1773	3877.7	58.12	0.000
##	10209	3877.7	58.13	0.000
##	7824	3877.7	58.15	0.000
##	2021	3877.7	58.15	0.000
##	18113	3877.7	58.15	0.000
##	11920	3877.8	58.21	0.000
##	28298	3877.8	58.21	0.000
##	22242	3877.8	58.22	0.000
##	6857	3877.8	58.22	0.000

##	9957	3877.8	58.22	0.000
##	6858	3877.8	58.26	0.000
##	19632	3877.8	58.29	0.000
##	6885	3877.9	58.30	0.000
##	7596	3877.9	58.32	0.000
##	5866	3877.9	58.34	0.000
##	12172	3877.9	58.36	0.000
##	6894	3877.9	58.37	0.000
##	3054	3877.9	58.38	0.000
##	1737	3878.0	58.39	0.000
##	1730	3878.0	58.42	0.000
##	2765	3878.0	58.42	0.000
##	3984	3878.0	58.42	0.000
##	18153	3878.0	58.44	0.000
##	31183	3878.0	58.48	0.000
##	7141	3878.1	58.52	0.000
##	6854	3878.2	58.61	0.000
##	23972	3878.2	58.65	0.000
##	14050	3878.2	58.66	0.000
##	6114	3878.2	58.69	0.000
##	3504	3878.3	58.72	0.000
##	5862	3878.3	58.74	0.000
##	7340	3878.3	58.78	0.000
##	24485	3878.4	58.80	0.000
##	1738	3878.4	58.82	0.000
##	7142	3878.4	58.84	0.000
##	26338	3878.4	58.88	0.000
##	5825	3878.5	58.91	0.000
##	6853	3878.5	58.92	0.000
##	26305	3878.5	58.96	0.000
##	31686	3878.5	58.99	0.000
##	2026	3878.6	59.02	0.000
##	23493	3878.6	59.05	0.000
##	28080	3878.6	59.06	0.000
##	31438	3878.6	59.06	0.000
##	31916	3878.6	59.07	0.000
##	18114	3878.6	59.08	0.000
##	7149	3878.6	59.08	0.000
##	19405	3878.7	59.10	0.000
##	31184	3878.7	59.11	0.000
##	18117	3878.7	59.11	0.000
##	31437	3878.7	59.12	0.000
##	9962	3878.7	59.13	0.000
##	31685	3878.7	59.13	0.000
##	18402	3878.7	59.17	0.000
##	2766	3878.8	59.19	0.000
##	27597	3878.8	59.22	0.000
##	1985	3878.8	59.23	0.000
##	7113	3878.8	59.25	0.000
##	23497	3878.8	59.26	0.000
##	9921	3878.8	59.28	0.000
##	23494	3878.9	59.30	0.000
##	1774	3878.9	59.31	0.000
##	30433	3878.9	59.32	0.000

##	1733	3878.9	59.34	0.000
##	18369	3878.9	59.34	0.000
##	18150	3878.9	59.36	0.000
##	22497	3879.0	59.41	0.000
##	3021	3879.0	59.44	0.000
##	11436	3879.0	59.44	0.000
##	3248	3879.0	59.46	0.000
##	7109	3879.1	59.51	0.000
##	18154	3879.1	59.53	0.000
##	23246	3879.1	59.54	0.000
##	26341	3879.1	59.58	0.000
##	15310	3879.1	59.58	0.000
##	31689	3879.2	59.61	0.000
##	15309	3879.2	59.62	0.000
##	23498	3879.2	59.65	0.000
##	27598	3879.2	59.65	0.000
##	22245	3879.2	59.66	0.000
##	5826	3879.2	59.66	0.000
##	19620	3879.2	59.67	0.000
##	23728	3879.2	59.68	0.000
##	23245	3879.2	59.68	0.000
##	19406	3879.2	59.68	0.000
##	22210	3879.3	59.69	0.000
##	18405	3879.3	59.69	0.000
##	22209	3879.3	59.70	0.000
##	7114	3879.3	59.71	0.000
##	15788	3879.3	59.71	0.000
##	10210	3879.3	59.72	0.000
##	7110	3879.3	59.73	0.000
##	26593	3879.3	59.73	0.000
##	9958	3879.3	59.75	0.000
##	6121	3879.3	59.77	0.000
##	2022	3879.3	59.77	0.000
##	1993	3879.4	59.83	0.000
##	30434	3879.4	59.87	0.000
##	18409	3879.5	59.92	0.000
##	31690	3879.5	59.93	0.000
##	26345	3879.5	59.94	0.000
##	26306	3879.5	59.95	0.000
##	14057	3879.5	59.95	0.000
##	14305	3879.5	59.99	0.000
##	1741	3879.6	60.00	0.000
##	6117	3879.6	60.01	0.000
##	7150	3879.6	60.02	0.000
##	5834	3879.6	60.03	0.000
##	2029	3879.6	60.03	0.000
##	5869	3879.6	60.08	0.000
##	14053	3879.6	60.08	0.000
##	28068	3879.7	60.09	0.000
##	22249	3879.7	60.11	0.000
##	10217	3879.7	60.12	0.000
##	23716	3879.7	60.12	0.000
##	18157	3879.7	60.14	0.000
##	27824	3879.7	60.15	0.000

##	28302	3879.7	60.16	0.000
##	11914	3879.7	60.19	0.000
##	22498	3879.8	60.20	0.000
##	9929	3879.8	60.21	0.000
##	16016	3879.8	60.23	0.000
##	9965	3879.8	60.26	0.000
##	18121	3879.8	60.27	0.000
##	5833	3879.9	60.29	0.000
##	32394	3879.9	60.30	0.000
##	27812	3879.9	60.35	0.000
##	11696	3879.9	60.36	0.000
##	3022	3879.9	60.39	0.000
##	6122	3880.0	60.42	0.000
##	26309	3880.0	60.42	0.000
##	22246	3880.0	60.44	0.000
##	1994	3880.0	60.45	0.000
##	18118	3880.0	60.46	0.000
##	8080	3880.0	60.46	0.000
##	14058	3880.0	60.47	0.000
##	10213	3880.0	60.48	0.000
##	22250	3880.1	60.50	0.000
##	19880	3880.1	60.53	0.000
##	16268	3880.1	60.56	0.000
##	1249	3880.1	60.57	0.000
##	6861	3880.1	60.57	0.000
##	18370	3880.1	60.59	0.000
##	7600	3880.2	60.60	0.000
##	32176	3880.2	60.62	0.000
##	30401	3880.2	60.63	0.000
##	1742	3880.2	60.65	0.000
##	9922	3880.2	60.66	0.000
##	1986	3880.2	60.67	0.000
##	9930	3880.2	60.67	0.000
##	5870	3880.2	60.67	0.000
##	28554	3880.3	60.70	0.000
##	6862	3880.3	60.72	0.000
##	1734	3880.3	60.72	0.000
##	12176	3880.3	60.72	0.000
##	30402	3880.3	60.77	0.000
##	18373	3880.3	60.78	0.000
##	18122	3880.3	60.79	0.000
##	3722	3880.4	60.82	0.000
##	1505	3880.4	60.82	0.000
##	32164	3880.4	60.83	0.000
##	22213	3880.4	60.89	0.000
##	31908	3880.5	60.96	0.000
##	14054	3880.5	60.97	0.000
##	17889	3880.5	60.99	0.000
##	22465	3880.6	60.99	0.000
##	18125	3880.6	61.00	0.000
##	6118	3880.6	61.01	0.000
##	14306	3880.6	61.04	0.000
##	26561	3880.6	61.04	0.000
##	26342	3880.6	61.06	0.000

##	26346	3880.6	61.08	0.000
##	6081	3880.7	61.10	0.000
##	14017	3880.7	61.14	0.000
##	26313	3880.7	61.14	0.000
##	26594	3880.7	61.16	0.000
##	7344	3880.7	61.18	0.000
##	18410	3880.7	61.19	0.000
##	5829	3880.8	61.19	0.000
##	18377	3880.8	61.21	0.000
##	23976	3880.8	61.21	0.000
##	15532	3880.8	61.22	0.000
##	2030	3880.9	61.31	0.000
##	10218	3880.9	61.32	0.000
##	18406	3880.9	61.34	0.000
##	18158	3881.0	61.42	0.000
##	30437	3881.0	61.43	0.000
##	9966	3881.0	61.44	0.000
##	22466	3881.0	61.45	0.000
##	22214	3881.0	61.48	0.000
##	23501	3881.0	61.48	0.000
##	30689	3881.1	61.50	0.000
##	31694	3881.1	61.52	0.000
##	10177	3881.1	61.53	0.000
##	1989	3881.1	61.53	0.000
##	22501	3881.1	61.53	0.000
##	9925	3881.1	61.57	0.000
##	31920	3881.1	61.58	0.000
##	23502	3881.1	61.59	0.000
##	31693	3881.2	61.62	0.000
##	22218	3881.2	61.63	0.000
##	17637	3881.2	61.65	0.000
##	30441	3881.3	61.70	0.000
##	1708	3881.3	61.71	0.000
##	7117	3881.3	61.71	0.000
##	26310	3881.3	61.75	0.000
##	22505	3881.3	61.76	0.000
##	26314	3881.3	61.77	0.000
##	26597	3881.4	61.82	0.000
##	1997	3881.4	61.83	0.000
##	17893	3881.4	61.83	0.000
##	1253	3881.4	61.86	0.000
##	18413	3881.4	61.87	0.000
##	26349	3881.5	61.90	0.000
##	6089	3881.5	61.91	0.000
##	3978	3881.5	61.91	0.000
##	18126	3881.5	61.92	0.000
##	5830	3881.5	61.93	0.000
##	22217	3881.5	61.95	0.000
##	6090	3881.5	61.95	0.000
##	11440	3881.5	61.96	0.000
##	14018	3881.5	61.98	0.000
##	6082	3881.5	61.99	0.000
##	18378	3881.6	62.00	0.000
##	17605	3881.6	62.02	0.000

##	22253	3881.6	62.02	0.000
##	26601	3881.6	62.05	0.000
##	6125	3881.6	62.08	0.000
##	10214	3881.6	62.09	0.000
##	14026	3881.7	62.10	0.000
##	14313	3881.7	62.11	0.000
##	17861	3881.7	62.13	0.000
##	5837	3881.7	62.13	0.000
##	10185	3881.7	62.13	0.000
##	7118	3881.7	62.13	0.000
##	19624	3881.7	62.14	0.000
##	9933	3881.7	62.17	0.000
##	30442	3881.7	62.19	0.000
##	5838	3881.8	62.20	0.000
##	26562	3881.8	62.20	0.000
##	15792	3881.8	62.20	0.000
##	30438	3881.8	62.21	0.000
##	30690	3881.8	62.22	0.000
##	14025	3881.8	62.25	0.000
##	30405	3881.8	62.27	0.000
##	14061	3881.8	62.27	0.000
##	17857	3881.8	62.29	0.000
##	18374	3881.9	62.30	0.000
##	17633	3881.9	62.32	0.000
##	14309	3881.9	62.37	0.000
##	10221	3882.0	62.40	0.000
##	22506	3882.0	62.40	0.000
##	32398	3882.0	62.41	0.000
##	26317	3882.0	62.44	0.000
##	18381	3882.0	62.45	0.000
##	1513	3882.0	62.46	0.000
##	16010	3882.0	62.46	0.000
##	3726	3882.0	62.49	0.000
##	20106	3882.1	62.50	0.000
##	1250	3882.1	62.50	0.000
##	9441	3882.1	62.51	0.000
##	5345	3882.1	62.52	0.000
##	22502	3882.1	62.53	0.000
##	1998	3882.1	62.58	0.000
##	11918	3882.2	62.60	0.000
##	22469	3882.2	62.61	0.000
##	12170	3882.2	62.62	0.000
##	26565	3882.2	62.65	0.000
##	28072	3882.2	62.65	0.000
##	23720	3882.2	62.66	0.000
##	28558	3882.2	62.66	0.000
##	18092	3882.2	62.68	0.000
##	22254	3882.2	62.69	0.000
##	10186	3882.3	62.75	0.000
##	30657	3882.3	62.76	0.000
##	14314	3882.3	62.78	0.000
##	5804	3882.3	62.79	0.000
##	30410	3882.4	62.79	0.000
##	16272	3882.4	62.80	0.000



##	9934	3882.4	62.81	0.000
##	32650	3882.4	62.81	0.000
##	1257	3882.4	62.81	0.000
##	6126	3882.4	62.82	0.000
##	7818	3882.4	62.82	0.000
##	27816	3882.4	62.86	0.000
##	30406	3882.4	62.86	0.000
##	14062	3882.4	62.88	0.000
##	20362	3882.5	62.90	0.000
##	21985	3882.5	62.91	0.000
##	5601	3882.5	62.92	0.000
##	30409	3882.5	62.93	0.000
##	9697	3882.5	62.94	0.000
##	1509	3882.5	62.97	0.000
##	22221	3882.5	62.97	0.000
##	9926	3882.5	62.98	0.000
##	1506	3882.5	62.98	0.000
##	10178	3882.5	62.98	0.000
##	1990	3882.6	63.00	0.000
##	17890	3882.6	63.01	0.000
##	22473	3882.6	63.07	0.000
##	22188	3882.7	63.09	0.000
##	30658	3882.7	63.10	0.000
##	26569	3882.7	63.11	0.000
##	25797	3882.7	63.14	0.000
##	25825	3882.7	63.16	0.000
##	22474	3882.7	63.16	0.000
##	1964	3882.8	63.20	0.000
##	26350	3882.8	63.20	0.000
##	20110	3882.8	63.21	0.000
##	26081	3882.8	63.22	0.000
##	25829	3882.8	63.22	0.000
##	17897	3882.8	63.25	0.000
##	22222	3882.8	63.25	0.000
##	18414	3882.8	63.28	0.000
##	26602	3882.9	63.30	0.000
##	14310	3882.9	63.36	0.000
##	26318	3883.0	63.39	0.000
##	26598	3883.0	63.40	0.000
##	32168	3883.0	63.42	0.000
##	14273	3883.0	63.43	0.000
##	6085	3883.0	63.43	0.000
##	22470	3883.0	63.46	0.000
##	14021	3883.0	63.47	0.000
##	31912	3883.1	63.53	0.000
##	18382	3883.1	63.54	0.000
##	2732	3883.1	63.56	0.000
##	18348	3883.2	63.61	0.000
##	10222	3883.2	63.67	0.000
##	21733	3883.2	63.68	0.000
##	1261	3883.3	63.69	0.000
##	30693	3883.3	63.70	0.000
##	15536	3883.3	63.70	0.000
##	17638	3883.3	63.71	0.000

##	17869	3883.3	63.77	0.000
##	30445	3883.4	63.83	0.000
##	10181	3883.4	63.85	0.000
##	22509	3883.4	63.86	0.000
##	26570	3883.4	63.89	0.000
##	21989	3883.4	63.89	0.000
##	30697	3883.5	63.90	0.000
##	17645	3883.5	63.94	0.000
##	17606	3883.5	63.96	0.000
##	5349	3883.5	63.97	0.000
##	17901	3883.5	63.98	0.000
##	1712	3883.5	63.99	0.000
##	1254	3883.6	63.99	0.000
##	17894	3883.6	63.99	0.000
##	6093	3883.6	64.03	0.000
##	17613	3883.6	64.04	0.000
##	3982	3883.6	64.04	0.000
##	21701	3883.6	64.05	0.000
##	25793	3883.6	64.06	0.000
##	26566	3883.6	64.08	0.000
##	26605	3883.7	64.09	0.000
##	17634	3883.7	64.10	0.000
##	9900	3883.7	64.10	0.000
##	17858	3883.7	64.12	0.000
##	9445	3883.7	64.13	0.000
##	26085	3883.7	64.13	0.000
##	8074	3883.7	64.14	0.000
##	21729	3883.7	64.15	0.000
##	10189	3883.7	64.18	0.000
##	22444	3883.7	64.18	0.000
##	17862	3883.7	64.19	0.000
##	17865	3883.8	64.19	0.000
##	21957	3883.8	64.20	0.000
##	21953	3883.8	64.21	0.000
##	26049	3883.8	64.22	0.000
##	17601	3883.8	64.22	0.000
##	5346	3883.8	64.23	0.000
##	14022	3883.8	64.24	0.000
##	14281	3883.8	64.25	0.000
##	26053	3883.8	64.25	0.000
##	20366	3883.8	64.26	0.000
##	6094	3883.8	64.26	0.000
##	6086	3883.8	64.27	0.000
##	10924	3883.8	64.27	0.000
##	1517	3883.9	64.30	0.000
##	14282	3883.9	64.30	0.000
##	24202	3883.9	64.33	0.000
##	14274	3883.9	64.34	0.000
##	14029	3883.9	64.35	0.000
##	1514	3884.0	64.40	0.000
##	14030	3884.0	64.42	0.000
##	30413	3884.0	64.46	0.000
##	6060	3884.0	64.47	0.000
##	14317	3884.0	64.48	0.000

##	26284	3884.1	64.50	0.000
##	30446	3884.1	64.52	0.000
##	9442	3884.1	64.52	0.000
##	17641	3884.1	64.52	0.000
##	30661	3884.1	64.52	0.000
##	30698	3884.1	64.53	0.000
##	22477	3884.1	64.53	0.000
##	1217	3884.1	64.53	0.000
##	13537	3884.1	64.54	0.000
##	26573	3884.1	64.54	0.000
##	30694	3884.2	64.61	0.000
##	9705	3884.2	64.62	0.000
##	5609	3884.2	64.65	0.000
##	21986	3884.2	64.66	0.000
##	1258	3884.2	64.68	0.000
##	9449	3884.3	64.69	0.000
##	22510	3884.3	64.70	0.000
##	7822	3884.3	64.73	0.000
##	5808	3884.3	64.74	0.000
##	30414	3884.3	64.77	0.000
##	5353	3884.4	64.79	0.000
##	1481	3884.4	64.81	0.000
##	16014	3884.5	64.93	0.000
##	16266	3884.5	64.94	0.000
##	32654	3884.5	64.94	0.000
##	28292	3884.5	64.94	0.000
##	10190	3884.5	64.95	0.000
##	30380	3884.5	64.95	0.000
##	25826	3884.5	64.97	0.000
##	5602	3884.5	64.97	0.000
##	6828	3884.5	64.98	0.000
##	30665	3884.5	64.99	0.000
##	24458	3884.6	64.99	0.000
##	9701	3884.6	65.01	0.000
##	22478	3884.6	65.04	0.000
##	13793	3884.6	65.04	0.000
##	30666	3884.6	65.05	0.000
##	29921	3884.6	65.06	0.000
##	12174	3884.6	65.07	0.000
##	25798	3884.6	65.08	0.000
##	18096	3884.7	65.11	0.000
##	9698	3884.7	65.12	0.000
##	5605	3884.7	65.12	0.000
##	30177	3884.7	65.18	0.000
##	1510	3884.7	65.18	0.000
##	14318	3884.8	65.21	0.000
##	29893	3884.8	65.21	0.000
##	17898	3884.8	65.21	0.000
##	21993	3884.8	65.23	0.000
##	13996	3884.8	65.24	0.000
##	30662	3884.8	65.24	0.000
##	26082	3884.8	65.25	0.000
##	25830	3884.8	65.28	0.000
##	29925	3884.8	65.28	0.000

##	25805	3884.9	65.29	0.000
##	10928	3884.9	65.30	0.000
##	10182	3884.9	65.32	0.000
##	25833	3884.9	65.36	0.000
##	2736	3884.9	65.37	0.000
##	24206	3885.0	65.39	0.000
##	32388	3885.0	65.40	0.000
##	1473	3885.0	65.41	0.000
##	1968	3885.0	65.42	0.000
##	26606	3885.0	65.48	0.000
##	21734	3885.1	65.50	0.000
##	26089	3885.1	65.52	0.000
##	21730	3885.1	65.52	0.000
##	19883	3885.1	65.53	0.000
##	25837	3885.1	65.55	0.000
##	22192	3885.1	65.56	0.000
##	19116	3885.1	65.58	0.000
##	10156	3885.1	65.58	0.000
##	26574	3885.2	65.61	0.000
##	25794	3885.2	65.63	0.000
##	17870	3885.2	65.63	0.000
##	1262	3885.2	65.67	0.000
##	2988	3885.2	65.68	0.000
##	1229	3885.3	65.69	0.000
##	21954	3885.3	65.70	0.000
##	1225	3885.3	65.71	0.000
##	17602	3885.3	65.72	0.000
##	21702	3885.3	65.74	0.000
##	14277	3885.3	65.78	0.000
##	17866	3885.4	65.81	0.000
##	22180	3885.4	65.81	0.000
##	17614	3885.4	65.83	0.000
##	21990	3885.4	65.87	0.000
##	5357	3885.5	65.91	0.000
##	15020	3885.5	65.95	0.000
##	29889	3885.5	65.96	0.000
##	9453	3885.5	65.97	0.000
##	17646	3885.5	65.98	0.000
##	26540	3885.5	65.99	0.000
##	5350	3885.5	65.99	0.000
##	21965	3885.6	65.99	0.000
##	1221	3885.6	66.00	0.000
##	21741	3885.6	66.00	0.000
##	21697	3885.6	66.04	0.000
##	26061	3885.6	66.04	0.000
##	26050	3885.6	66.05	0.000
##	21958	3885.6	66.05	0.000
##	17902	3885.6	66.06	0.000
##	18352	3885.6	66.07	0.000
##	30701	3885.6	66.09	0.000
##	21997	3885.7	66.14	0.000
##	1485	3885.7	66.17	0.000
##	30145	3885.7	66.18	0.000
##	21709	3885.7	66.18	0.000

##	30181	3885.8	66.21	0.000
##	21961	3885.8	66.25	0.000
##	13541	3885.8	66.27	0.000
##	21737	3885.8	66.28	0.000
##	26057	3885.8	66.28	0.000
##	9446	3885.8	66.29	0.000
##	9709	3885.8	66.29	0.000
##	6832	3885.9	66.29	0.000
##	26086	3885.9	66.30	0.000
##	26054	3885.9	66.31	0.000
##	1518	3885.9	66.31	0.000
##	1482	3885.9	66.32	0.000
##	26093	3885.9	66.33	0.000
##	25801	3885.9	66.34	0.000
##	6064	3885.9	66.34	0.000
##	30149	3885.9	66.35	0.000
##	9904	3885.9	66.36	0.000
##	13538	3885.9	66.37	0.000
##	8078	3885.9	66.38	0.000
##	17642	3886.0	66.39	0.000
##	1218	3886.0	66.39	0.000
##	15024	3886.0	66.40	0.000
##	14285	3886.0	66.41	0.000
##	5354	3886.0	66.42	0.000
##	18913	3886.0	66.46	0.000
##	5610	3886.0	66.47	0.000
##	17609	3886.0	66.47	0.000
##	29922	3886.0	66.49	0.000
##	24462	3886.1	66.57	0.000
##	18084	3886.1	66.57	0.000
##	30636	3886.1	66.57	0.000
##	5613	3886.1	66.58	0.000
##	9450	3886.2	66.59	0.000
##	9706	3886.2	66.60	0.000
##	9409	3886.2	66.61	0.000
##	14278	3886.2	66.61	0.000
##	5313	3886.2	66.62	0.000
##	30669	3886.2	66.63	0.000
##	14286	3886.2	66.66	0.000
##	19120	3886.2	66.66	0.000
##	30372	3886.2	66.68	0.000
##	22448	3886.2	66.68	0.000
##	13545	3886.3	66.78	0.000
##	13801	3886.4	66.82	0.000
##	14252	3886.4	66.83	0.000
##	11180	3886.4	66.84	0.000
##	27308	3886.4	66.84	0.000
##	18657	3886.4	66.87	0.000
##	30702	3886.5	66.89	0.000
##	29894	3886.5	66.90	0.000
##	30178	3886.5	66.93	0.000
##	21994	3886.5	66.95	0.000
##	9673	3886.5	66.96	0.000
##	26288	3886.5	66.98	0.000

##	21698	3886.6	67.04	0.000
##	1226	3886.6	67.07	0.000
##	29890	3886.6	67.08	0.000
##	5577	3886.6	67.08	0.000
##	30670	3886.6	67.08	0.000
##	22436	3886.6	67.09	0.000
##	13794	3886.7	67.11	0.000
##	29926	3886.7	67.11	0.000
##	25806	3886.7	67.12	0.000
##	14000	3886.7	67.15	0.000
##	13797	3886.7	67.17	0.000
##	29929	3886.8	67.20	0.000
##	7084	3886.8	67.21	0.000
##	23212	3886.8	67.21	0.000
##	5606	3886.8	67.25	0.000
##	9702	3886.8	67.26	0.000
##	26276	3886.8	67.26	0.000
##	25834	3886.8	67.28	0.000
##	1230	3886.9	67.30	0.000
##	28548	3886.9	67.30	0.000
##	2992	3887.0	67.41	0.000
##	30384	3887.0	67.42	0.000
##	9417	3887.0	67.43	0.000
##	16270	3887.0	67.43	0.000
##	10920	3887.0	67.44	0.000
##	29901	3887.0	67.45	0.000
##	1474	3887.0	67.48	0.000
##	28296	3887.1	67.49	0.000
##	9665	3887.1	67.50	0.000
##	26090	3887.1	67.51	0.000
##	30185	3887.1	67.53	0.000
##	1477	3887.1	67.53	0.000
##	19887	3887.1	67.56	0.000
##	21962	3887.1	67.56	0.000
##	3499	3887.1	67.59	0.000
##	5569	3887.2	67.60	0.000
##	25838	3887.2	67.60	0.000
##	29933	3887.2	67.63	0.000
##	30146	3887.2	67.65	0.000
##	21966	3887.2	67.68	0.000
##	18340	3887.2	67.68	0.000
##	27312	3887.3	67.71	0.000
##	21710	3887.3	67.75	0.000
##	32644	3887.3	67.75	0.000
##	5358	3887.3	67.76	0.000
##	26849	3887.3	67.77	0.000
##	23216	3887.4	67.80	0.000
##	21738	3887.4	67.81	0.000
##	1486	3887.4	67.82	0.000
##	2728	3887.4	67.83	0.000
##	21742	3887.4	67.84	0.000
##	5321	3887.4	67.84	0.000
##	15016	3887.4	67.85	0.000
##	19372	3887.4	67.87	0.000

##	25802	3887.4	67.88	0.000
##	10160	3887.4	67.88	0.000
##	2724	3887.4	67.88	0.000
##	17610	3887.5	67.89	0.000
##	11184	3887.5	67.90	0.000
##	10465	3887.5	67.90	0.000
##	26058	3887.5	67.93	0.000
##	26062	3887.5	67.93	0.000
##	9421	3887.5	67.96	0.000
##	9454	3887.5	67.97	0.000
##	5325	3887.5	67.97	0.000
##	32392	3887.5	67.98	0.000
##	6824	3887.6	68.01	0.000
##	23979	3887.6	68.03	0.000
##	21998	3887.6	68.05	0.000
##	9677	3887.6	68.06	0.000
##	1222	3887.6	68.06	0.000
##	28075	3887.6	68.07	0.000
##	22184	3887.7	68.12	0.000
##	5317	3887.7	68.19	0.000
##	30150	3887.8	68.20	0.000
##	2529	3887.8	68.20	0.000
##	30182	3887.8	68.20	0.000
##	13549	3887.8	68.21	0.000
##	9413	3887.8	68.25	0.000
##	29897	3887.8	68.26	0.000
##	30157	3887.8	68.28	0.000
##	13542	3887.9	68.31	0.000
##	5314	3887.9	68.32	0.000
##	21705	3887.9	68.32	0.000
##	9710	3887.9	68.34	0.000
##	30153	3887.9	68.35	0.000
##	1707	3888.0	68.43	0.000
##	26094	3888.0	68.43	0.000
##	7088	3888.0	68.46	0.000
##	10721	3888.0	68.46	0.000
##	5581	3888.0	68.47	0.000
##	5578	3888.0	68.48	0.000
##	13546	3888.0	68.48	0.000
##	26544	3888.0	68.48	0.000
##	9674	3888.1	68.50	0.000
##	28299	3888.1	68.51	0.000
##	30189	3888.1	68.51	0.000
##	5614	3888.1	68.51	0.000
##	19875	3888.1	68.52	0.000
##	9410	3888.1	68.54	0.000
##	31404	3888.1	68.54	0.000
##	15276	3888.1	68.55	0.000
##	3236	3888.1	68.57	0.000
##	13805	3888.1	68.59	0.000
##	10473	3888.2	68.64	0.000
##	27105	3888.2	68.65	0.000
##	13802	3888.2	68.65	0.000
##	18914	3888.2	68.68	0.000

##	19627	3888.2	68.68	0.000
##	30628	3888.3	68.74	0.000
##	13505	3888.3	68.75	0.000
##	19852	3888.3	68.79	0.000
##	29930	3888.3	68.79	0.000
##	14256	3888.4	68.83	0.000
##	18921	3888.4	68.83	0.000
##	9418	3888.4	68.84	0.000
##	10916	3888.4	68.84	0.000
##	1706	3888.4	68.86	0.000
##	18665	3888.4	68.86	0.000
##	23009	3888.4	68.86	0.000
##	18917	3888.4	68.86	0.000
##	31408	3888.5	68.90	0.000
##	18658	3888.5	68.90	0.000
##	5322	3888.5	68.95	0.000
##	30376	3888.5	68.95	0.000
##	19376	3888.5	68.96	0.000
##	6820	3888.5	68.97	0.000
##	18088	3888.6	69.00	0.000
##	15280	3888.6	69.02	0.000
##	11691	3888.6	69.05	0.000
##	29902	3888.6	69.05	0.000
##	30640	3888.6	69.09	0.000
##	18661	3888.7	69.09	0.000
##	3498	3888.7	69.18	0.000
##	26532	3888.8	69.24	0.000
##	13769	3888.8	69.24	0.000
##	22753	3888.8	69.25	0.000
##	30186	3888.8	69.27	0.000
##	3492	3888.8	69.28	0.000
##	21706	3888.9	69.29	0.000
##	3243	3888.9	69.32	0.000
##	13798	3888.9	69.34	0.000
##	18091	3888.9	69.36	0.000
##	29898	3889.0	69.39	0.000
##	3240	3889.0	69.40	0.000
##	1963	3889.0	69.40	0.000
##	22440	3889.0	69.41	0.000
##	27564	3889.0	69.43	0.000
##	29934	3889.0	69.48	0.000
##	5326	3889.1	69.50	0.000
##	9669	3889.1	69.52	0.000
##	18060	3889.1	69.56	0.000
##	23468	3889.1	69.57	0.000
##	9422	3889.1	69.58	0.000
##	5570	3889.1	69.59	0.000
##	9666	3889.1	69.59	0.000
##	3496	3889.2	69.61	0.000
##	18347	3889.2	69.64	0.000
##	2537	3889.2	69.65	0.000
##	13513	3889.2	69.65	0.000
##	10466	3889.2	69.65	0.000
##	1478	3889.2	69.66	0.000



##	10469	3889.2	69.68	0.000
##	13761	3889.2	69.68	0.000
##	30154	3889.2	69.69	0.000
##	26280	3889.3	69.69	0.000
##	26857	3889.3	69.74	0.000
##	5573	3889.3	69.76	0.000
##	9678	3889.3	69.76	0.000
##	27304	3889.3	69.78	0.000
##	26850	3889.4	69.83	0.000
##	7595	3889.4	69.87	0.000
##	28552	3889.4	69.88	0.000
##	27300	3889.5	69.89	0.000
##	2533	3889.5	69.90	0.000
##	19856	3889.5	69.93	0.000
##	11176	3889.5	69.93	0.000
##	7332	3889.5	69.97	0.000
##	30158	3889.5	69.98	0.000
##	9898	3889.6	70.03	0.000
##	23983	3889.6	70.05	0.000
##	28303	3889.6	70.08	0.000
##	10729	3889.6	70.08	0.000
##	13550	3889.7	70.09	0.000
##	3503	3889.7	70.09	0.000
##	5582	3889.7	70.11	0.000
##	28079	3889.7	70.12	0.000
##	18344	3889.7	70.13	0.000
##	2984	3889.7	70.13	0.000
##	26853	3889.7	70.14	0.000
##	2530	3889.7	70.16	0.000
##	19108	3889.7	70.17	0.000
##	5318	3889.7	70.17	0.000
##	30945	3889.7	70.18	0.000
##	23472	3889.7	70.18	0.000
##	15012	3889.8	70.19	0.000
##	31400	3889.8	70.21	0.000
##	5802	3889.8	70.26	0.000
##	13517	3889.8	70.26	0.000
##	7336	3889.8	70.26	0.000
##	10433	3889.8	70.26	0.000
##	14561	3889.8	70.28	0.000
##	19112	3889.8	70.29	0.000
##	19596	3889.9	70.31	0.000
##	27819	3889.9	70.31	0.000
##	2980	3889.9	70.31	0.000
##	1962	3889.9	70.31	0.000
##	22156	3889.9	70.32	0.000
##	27568	3889.9	70.34	0.000
##	9414	3889.9	70.34	0.000
##	15272	3889.9	70.35	0.000
##	32648	3889.9	70.36	0.000
##	23948	3889.9	70.37	0.000
##	13773	3889.9	70.38	0.000
##	7080	3890.0	70.40	0.000
##	30190	3890.0	70.44	0.000

##	10722	3890.0	70.47	0.000
##	13509	3890.0	70.47	0.000
##	19631	3890.0	70.49	0.000
##	23208	3890.1	70.51	0.000
##	13506	3890.1	70.53	0.000
##	11684	3890.1	70.55	0.000
##	13806	3890.1	70.56	0.000
##	6625	3890.1	70.58	0.000
##	32171	3890.2	70.60	0.000
##	19882	3890.2	70.60	0.000
##	7592	3890.2	70.62	0.000
##	10725	3890.2	70.65	0.000
##	13770	3890.2	70.66	0.000
##	28067	3890.2	70.68	0.000
##	20107	3890.3	70.69	0.000
##	32395	3890.3	70.72	0.000
##	9899	3890.3	70.73	0.000
##	28555	3890.3	70.76	0.000
##	18316	3890.3	70.79	0.000
##	1711	3890.4	70.82	0.000
##	5803	3890.4	70.82	0.000
##	1710	3890.4	70.82	0.000
##	11428	3890.4	70.83	0.000
##	28044	3890.4	70.83	0.000
##	19879	3890.4	70.84	0.000
##	7588	3890.4	70.84	0.000
##	10474	3890.4	70.85	0.000
##	13514	3890.4	70.86	0.000
##	14817	3890.4	70.86	0.000
##	27106	3890.4	70.88	0.000
##	26283	3890.4	70.89	0.000
##	27788	3890.4	70.89	0.000
##	2497	3890.5	70.92	0.000
##	26252	3890.5	70.92	0.000
##	10477	3890.5	70.97	0.000
##	27113	3890.6	71.01	0.000
##	23971	3890.6	71.02	0.000
##	14569	3890.6	71.03	0.000
##	30632	3890.6	71.05	0.000
##	31396	3890.6	71.06	0.000
##	18666	3890.6	71.07	0.000
##	31201	3890.6	71.07	0.000
##	27109	3890.6	71.08	0.000
##	18918	3890.7	71.10	0.000
##	18922	3890.7	71.11	0.000
##	23010	3890.7	71.11	0.000
##	23204	3890.7	71.13	0.000
##	23723	3890.7	71.17	0.000
##	31660	3890.7	71.17	0.000
##	3242	3890.7	71.17	0.000
##	18090	3890.7	71.17	0.000
##	1676	3890.7	71.18	0.000
##	5800	3890.8	71.19	0.000
##	18662	3890.8	71.20	0.000

##	18669	3890.8	71.21	0.000
##	19600	3890.8	71.22	0.000
##	10689	3890.8	71.24	0.000
##	18925	3890.8	71.25	0.000
##	22761	3890.8	71.25	0.000
##	23017	3890.8	71.26	0.000
##	22754	3890.8	71.27	0.000
##	23013	3890.8	71.29	0.000
##	11172	3890.9	71.30	0.000
##	20363	3890.9	71.33	0.000
##	19619	3890.9	71.35	0.000
##	15787	3891.0	71.42	0.000
##	7076	3891.0	71.46	0.000
##	11688	3891.0	71.47	0.000
##	1700	3891.0	71.49	0.000
##	22757	3891.1	71.49	0.000
##	3502	3891.1	71.53	0.000
##	11690	3891.1	71.55	0.000
##	31664	3891.1	71.55	0.000
##	7594	3891.1	71.55	0.000
##	11695	3891.1	71.57	0.000
##	18095	3891.1	71.58	0.000
##	18064	3891.2	71.62	0.000
##	7339	3891.2	71.63	0.000
##	10470	3891.2	71.64	0.000
##	22187	3891.2	71.68	0.000
##	22412	3891.2	71.69	0.000
##	13762	3891.2	71.69	0.000
##	9670	3891.3	71.69	0.000
##	26536	3891.3	71.70	0.000
##	30348	3891.3	71.70	0.000
##	26282	3891.3	71.72	0.000
##	23692	3891.3	71.73	0.000
##	13994	3891.3	71.73	0.000
##	13765	3891.3	71.76	0.000
##	10155	3891.3	71.78	0.000
##	1967	3891.3	71.78	0.000
##	3247	3891.3	71.78	0.000
##	1704	3891.3	71.79	0.000
##	11435	3891.3	71.79	0.000
##	2541	3891.3	71.79	0.000
##	20111	3891.4	71.80	0.000
##	13518	3891.4	71.82	0.000
##	6059	3891.4	71.83	0.000
##	5574	3891.4	71.83	0.000
##	23952	3891.4	71.83	0.000
##	11432	3891.4	71.88	0.000
##	2281	3891.4	71.88	0.000
##	2538	3891.5	71.89	0.000
##	18351	3891.5	71.90	0.000
##	27811	3891.5	71.93	0.000
##	26539	3891.5	71.94	0.000
##	10434	3891.5	71.96	0.000
##	15780	3891.5	71.98	0.000

##	26858	3891.5	71.98	0.000
##	10437	3891.5	71.99	0.000
##	22443	3891.6	72.00	0.000
##	14562	3891.6	72.00	0.000
##	5796	3891.6	72.01	0.000
##	6058	3891.6	72.02	0.000
##	2534	3891.6	72.03	0.000
##	6633	3891.6	72.03	0.000
##	13774	3891.6	72.06	0.000
##	14565	3891.6	72.08	0.000
##	27792	3891.7	72.09	0.000
##	28048	3891.7	72.11	0.000
##	15524	3891.7	72.16	0.000
##	32399	3891.7	72.16	0.000
##	30953	3891.7	72.17	0.000
##	26861	3891.7	72.17	0.000
##	27823	3891.8	72.23	0.000
##	30946	3891.8	72.24	0.000
##	26854	3891.8	72.25	0.000
##	10154	3891.8	72.25	0.000
##	2277	3891.8	72.27	0.000
##	6629	3891.9	72.30	0.000
##	27560	3891.9	72.31	0.000
##	28559	3891.9	72.32	0.000
##	10730	3891.9	72.34	0.000
##	9902	3891.9	72.35	0.000
##	31884	3891.9	72.37	0.000
##	27556	3892.0	72.39	0.000
##	18083	3892.0	72.40	0.000
##	7599	3892.0	72.40	0.000
##	15784	3892.0	72.42	0.000
##	32140	3892.0	72.45	0.000
##	18346	3892.0	72.47	0.000
##	13510	3892.0	72.47	0.000
##	20367	3892.0	72.47	0.000
##	10733	3892.0	72.48	0.000
##	22186	3892.0	72.49	0.000
##	5806	3892.1	72.49	0.000
##	2501	3892.1	72.50	0.000
##	14825	3892.1	72.50	0.000
##	6626	3892.1	72.51	0.000
##	26817	3892.1	72.52	0.000
##	19364	3892.1	72.54	0.000
##	18881	3892.1	72.54	0.000
##	1966	3892.1	72.55	0.000
##	10441	3892.1	72.56	0.000
##	30949	3892.1	72.56	0.000
##	19886	3892.2	72.60	0.000
##	14529	3892.2	72.62	0.000
##	22160	3892.2	72.63	0.000
##	32175	3892.2	72.64	0.000
##	15268	3892.2	72.66	0.000
##	11434	3892.2	72.66	0.000
##	19368	3892.2	72.66	0.000

##	15528	3892.3	72.75	0.000
##	31656	3892.3	72.75	0.000
##	10726	3892.3	72.76	0.000
##	26275	3892.3	72.77	0.000
##	3246	3892.3	72.78	0.000
##	2498	3892.4	72.80	0.000
##	31915	3892.4	72.82	0.000
##	26508	3892.4	72.83	0.000
##	14818	3892.4	72.87	0.000
##	24203	3892.4	72.87	0.000
##	18320	3892.4	72.88	0.000
##	5772	3892.4	72.88	0.000
##	17836	3892.5	72.90	0.000
##	23978	3892.5	72.91	0.000
##	18339	3892.5	72.92	0.000
##	18094	3892.5	72.94	0.000
##	23727	3892.5	72.95	0.000
##	28074	3892.5	72.95	0.000
##	2285	3892.5	72.96	0.000
##	23464	3892.5	72.96	0.000
##	32651	3892.5	72.99	0.000
##	23696	3892.6	73.00	0.000
##	28071	3892.6	73.04	0.000
##	14821	3892.6	73.07	0.000
##	9903	3892.7	73.11	0.000
##	26256	3892.7	73.12	0.000
##	13995	3892.7	73.15	0.000
##	10690	3892.7	73.17	0.000
##	1932	3892.7	73.18	0.000
##	30378	3892.7	73.18	0.000
##	26287	3892.8	73.20	0.000
##	32163	3892.8	73.21	0.000
##	14570	3892.8	73.22	0.000
##	10478	3892.8	73.22	0.000
##	30379	3892.8	73.22	0.000
##	5807	3892.8	73.23	0.000
##	2505	3892.8	73.27	0.000
##	6593	3892.8	73.27	0.000
##	7338	3892.9	73.30	0.000
##	27114	3892.9	73.30	0.000
##	6056	3892.9	73.31	0.000
##	27110	3892.9	73.31	0.000
##	31202	3892.9	73.33	0.000
##	10693	3892.9	73.34	0.000
##	23975	3892.9	73.38	0.000
##	19626	3892.9	73.38	0.000
##	14573	3892.9	73.39	0.000
##	13992	3893.0	73.42	0.000
##	27117	3893.0	73.44	0.000
##	22762	3893.0	73.45	0.000
##	3723	3893.0	73.45	0.000
##	18670	3893.0	73.46	0.000
##	31209	3893.0	73.46	0.000
##	1680	3893.1	73.50	0.000

##	24196	3893.1	73.51	0.000
##	24459	3893.1	73.51	0.000
##	19623	3893.1	73.52	0.000
##	31205	3893.1	73.53	0.000
##	18926	3893.1	73.55	0.000
##	23014	3893.1	73.55	0.000
##	23018	3893.1	73.56	0.000
##	31652	3893.1	73.57	0.000
##	23460	3893.1	73.58	0.000
##	9868	3893.1	73.58	0.000
##	27073	3893.1	73.58	0.000
##	21932	3893.2	73.59	0.000
##	10697	3893.2	73.60	0.000
##	20100	3893.2	73.61	0.000
##	22758	3893.2	73.61	0.000
##	14785	3893.2	73.62	0.000
##	22765	3893.2	73.64	0.000
##	1956	3893.2	73.68	0.000
##	27818	3893.3	73.70	0.000
##	23021	3893.3	73.71	0.000
##	30604	3893.3	73.71	0.000
##	1960	3893.3	73.78	0.000
##	24207	3893.4	73.81	0.000
##	23715	3893.4	73.82	0.000
##	26286	3893.4	73.83	0.000
##	9892	3893.4	73.87	0.000
##	13766	3893.4	73.87	0.000
##	11694	3893.4	73.88	0.000
##	31888	3893.5	73.90	0.000
##	10438	3893.5	73.91	0.000
##	9896	3893.5	73.93	0.000
##	2245	3893.5	73.93	0.000
##	15786	3893.5	73.94	0.000
##	15791	3893.5	73.95	0.000
##	7598	3893.5	73.95	0.000
##	2273	3893.5	73.95	0.000
##	22191	3893.5	73.96	0.000
##	26538	3893.5	73.96	0.000
##	22416	3893.6	74.02	0.000
##	32144	3893.6	74.03	0.000
##	22442	3893.6	74.04	0.000
##	2282	3893.6	74.04	0.000
##	14250	3893.6	74.04	0.000
##	14566	3893.6	74.05	0.000
##	18625	3893.6	74.07	0.000
##	2542	3893.6	74.08	0.000
##	7343	3893.7	74.09	0.000
##	6377	3893.7	74.10	0.000
##	30352	3893.7	74.11	0.000
##	13998	3893.7	74.11	0.000
##	15531	3893.7	74.13	0.000
##	2278	3893.7	74.16	0.000
##	27815	3893.7	74.18	0.000
##	10159	3893.8	74.20	0.000

##	6637	3893.8	74.21	0.000
##	6063	3893.8	74.22	0.000
##	14251	3893.8	74.23	0.000
##	6634	3893.8	74.25	0.000
##	26543	3893.8	74.26	0.000
##	11439	3893.8	74.27	0.000
##	26818	3893.8	74.29	0.000
##	14530	3893.9	74.30	0.000
##	6052	3893.9	74.30	0.000
##	22179	3893.9	74.32	0.000
##	22447	3893.9	74.32	0.000
##	30635	3893.9	74.32	0.000
##	10442	3893.9	74.34	0.000
##	14533	3893.9	74.35	0.000
##	26821	3893.9	74.36	0.000
##	10445	3893.9	74.36	0.000
##	6062	3893.9	74.38	0.000
##	26531	3894.0	74.41	0.000
##	32655	3894.0	74.41	0.000
##	30954	3894.0	74.41	0.000
##	31907	3894.0	74.44	0.000
##	26862	3894.0	74.44	0.000
##	13988	3894.0	74.44	0.000
##	6630	3894.0	74.44	0.000
##	19630	3894.0	74.44	0.000
##	28290	3894.0	74.48	0.000
##	24463	3894.0	74.49	0.000
##	18350	3894.1	74.49	0.000
##	1705	3894.1	74.50	0.000
##	22190	3894.1	74.54	0.000
##	18882	3894.1	74.55	0.000
##	18885	3894.1	74.57	0.000
##	2502	3894.1	74.57	0.000
##	18889	3894.1	74.57	0.000
##	10158	3894.2	74.61	0.000
##	30957	3894.2	74.62	0.000
##	6373	3894.2	74.65	0.000
##	30950	3894.2	74.69	0.000
##	31919	3894.3	74.73	0.000
##	17580	3894.3	74.73	0.000
##	30371	3894.3	74.74	0.000
##	2509	3894.3	74.74	0.000
##	11438	3894.3	74.75	0.000
##	18087	3894.3	74.75	0.000
##	14826	3894.3	74.76	0.000
##	10734	3894.3	74.78	0.000
##	22435	3894.4	74.87	0.000
##	6597	3894.4	74.87	0.000
##	17840	3894.4	74.89	0.000
##	26825	3894.4	74.89	0.000
##	30913	3894.5	74.89	0.000
##	28297	3894.5	74.90	0.000
##	22977	3894.5	74.92	0.000
##	15530	3894.5	74.93	0.000

##	14829	3894.5	74.94	0.000
##	14537	3894.5	74.94	0.000
##	6028	3894.6	74.99	0.000
##	23982	3894.6	75.00	0.000
##	28078	3894.6	75.01	0.000
##	26512	3894.6	75.02	0.000
##	28546	3894.6	75.02	0.000
##	5776	3894.6	75.05	0.000
##	7819	3894.6	75.07	0.000
##	7342	3894.6	75.09	0.000
##	2274	3894.7	75.10	0.000
##	18629	3894.7	75.12	0.000
##	2506	3894.7	75.12	0.000
##	6594	3894.7	75.14	0.000
##	28301	3894.7	75.14	0.000
##	26279	3894.7	75.18	0.000
##	14822	3894.8	75.20	0.000
##	2286	3894.8	75.21	0.000
##	3979	3894.8	75.25	0.000
##	21676	3894.8	75.27	0.000
##	26028	3894.8	75.27	0.000
##	32170	3894.9	75.29	0.000
##	18343	3894.9	75.30	0.000
##	13964	3894.9	75.31	0.000
##	9897	3894.9	75.31	0.000
##	27822	3894.9	75.32	0.000
##	6381	3894.9	75.32	0.000
##	1961	3894.9	75.38	0.000
##	11915	3894.9	75.39	0.000
##	10694	3894.9	75.39	0.000
##	2731	3895.0	75.42	0.000
##	2241	3895.0	75.43	0.000
##	23722	3895.0	75.45	0.000
##	10698	3895.0	75.47	0.000
##	30382	3895.0	75.47	0.000
##	1936	3895.0	75.49	0.000
##	30634	3895.1	75.52	0.000
##	20356	3895.1	75.54	0.000
##	10124	3895.1	75.54	0.000
##	24452	3895.1	75.56	0.000
##	13999	3895.1	75.56	0.000
##	27074	3895.1	75.56	0.000
##	14786	3895.1	75.56	0.000
##	30383	3895.2	75.59	0.000
##	32167	3895.2	75.60	0.000
##	14574	3895.2	75.63	0.000
##	10701	3895.2	75.63	0.000
##	6601	3895.2	75.65	0.000
##	14248	3895.3	75.72	0.000
##	14789	3895.3	75.73	0.000
##	27077	3895.3	75.74	0.000
##	10923	3895.3	75.75	0.000
##	27118	3895.3	75.76	0.000
##	18626	3895.3	75.76	0.000



##	31210	3895.3	75.78	0.000
##	2246	3895.3	75.79	0.000
##	31206	3895.4	75.79	0.000
##	21936	3895.4	75.83	0.000
##	31914	3895.4	75.87	0.000
##	22766	3895.4	75.88	0.000
##	27081	3895.4	75.89	0.000
##	3727	3895.5	75.90	0.000
##	9872	3895.5	75.91	0.000
##	31213	3895.5	75.92	0.000
##	31169	3895.5	75.98	0.000
##	14793	3895.6	75.99	0.000
##	30124	3895.6	76.00	0.000
##	20104	3895.6	76.01	0.000
##	1709	3895.6	76.02	0.000
##	23022	3895.6	76.02	0.000
##	23719	3895.6	76.03	0.000
##	32386	3895.6	76.06	0.000
##	24200	3895.6	76.07	0.000
##	10148	3895.7	76.11	0.000
##	30608	3895.7	76.13	0.000
##	6378	3895.7	76.13	0.000
##	26542	3895.7	76.13	0.000
##	10152	3895.7	76.16	0.000
##	2253	3895.8	76.24	0.000
##	6369	3895.8	76.25	0.000
##	22446	3895.8	76.25	0.000
##	10446	3895.8	76.27	0.000
##	6341	3895.8	76.29	0.000
##	14534	3895.9	76.30	0.000
##	26822	3895.9	76.31	0.000
##	15790	3895.9	76.32	0.000
##	18890	3896.0	76.40	0.000
##	30627	3896.0	76.40	0.000
##	18633	3896.0	76.42	0.000
##	32642	3896.0	76.42	0.000
##	22721	3896.0	76.43	0.000
##	26274	3896.0	76.43	0.000
##	14254	3896.0	76.44	0.000
##	18893	3896.1	76.50	0.000
##	6638	3896.1	76.50	0.000
##	6374	3896.1	76.50	0.000
##	17584	3896.1	76.52	0.000
##	2242	3896.1	76.55	0.000
##	2249	3896.2	76.61	0.000
##	15535	3896.2	76.61	0.000
##	30914	3896.2	76.66	0.000
##	14255	3896.2	76.68	0.000
##	26826	3896.2	76.68	0.000
##	18886	3896.2	76.68	0.000
##	32397	3896.2	76.68	0.000
##	30639	3896.3	76.70	0.000
##	14538	3896.3	76.71	0.000
##	31911	3896.3	76.71	0.000

##	23726	3896.3	76.71	0.000
##	32393	3896.3	76.72	0.000
##	22183	3896.3	76.72	0.000
##	18082	3896.3	76.73	0.000
##	2510	3896.3	76.73	0.000
##	14244	3896.3	76.74	0.000
##	30917	3896.3	76.75	0.000
##	14541	3896.3	76.75	0.000
##	26829	3896.3	76.76	0.000
##	18089	3896.3	76.78	0.000
##	26281	3896.3	76.79	0.000
##	5801	3896.4	76.80	0.000
##	25772	3896.4	76.81	0.000
##	8075	3896.4	76.81	0.000
##	2700	3896.4	76.81	0.000
##	26535	3896.4	76.84	0.000
##	1699	3896.4	76.89	0.000
##	1452	3896.4	76.89	0.000
##	30958	3896.5	76.89	0.000
##	16011	3896.5	76.91	0.000
##	10922	3896.5	76.92	0.000
##	22978	3896.5	76.93	0.000
##	28294	3896.5	76.94	0.000
##	22985	3896.5	76.96	0.000
##	22981	3896.5	76.96	0.000
##	6598	3896.5	76.97	0.000
##	2987	3896.6	77.06	0.000
##	18630	3896.6	77.08	0.000
##	15534	3896.7	77.11	0.000
##	6605	3896.7	77.13	0.000
##	3212	3896.7	77.13	0.000
##	6032	3896.7	77.14	0.000
##	6370	3896.7	77.15	0.000
##	28553	3896.7	77.16	0.000
##	30375	3896.8	77.19	0.000
##	14830	3896.8	77.24	0.000
##	26032	3896.8	77.27	0.000
##	19115	3896.8	77.27	0.000
##	30921	3896.9	77.29	0.000
##	22439	3896.9	77.31	0.000
##	10153	3896.9	77.32	0.000
##	3497	3896.9	77.32	0.000
##	30370	3896.9	77.34	0.000
##	1674	3896.9	77.36	0.000
##	14220	3896.9	77.36	0.000
##	29868	3896.9	77.36	0.000
##	21680	3896.9	77.37	0.000
##	18637	3896.9	77.38	0.000
##	22178	3897.0	77.40	0.000
##	18345	3897.0	77.41	0.000
##	1965	3897.0	77.41	0.000
##	7823	3897.0	77.43	0.000
##	32174	3897.0	77.43	0.000
##	9901	3897.0	77.46	0.000

##	6602	3897.0	77.49	0.000
##	1196	3897.0	77.49	0.000
##	28550	3897.0	77.49	0.000
##	22725	3897.1	77.49	0.000
##	13968	3897.1	77.50	0.000
##	9644	3897.1	77.52	0.000
##	6382	3897.1	77.53	0.000
##	28557	3897.1	77.54	0.000
##	3468	3897.1	77.56	0.000
##	10927	3897.1	77.56	0.000
##	10702	3897.2	77.60	0.000
##	12171	3897.2	77.61	0.000
##	13993	3897.2	77.63	0.000
##	31918	3897.2	77.64	0.000
##	19114	3897.2	77.66	0.000
##	26250	3897.3	77.69	0.000
##	6057	3897.3	77.69	0.000
##	6337	3897.3	77.72	0.000
##	21924	3897.3	77.72	0.000
##	2735	3897.3	77.73	0.000
##	3983	3897.3	77.75	0.000
##	27082	3897.3	77.77	0.000
##	14790	3897.4	77.81	0.000
##	27078	3897.4	77.82	0.000
##	27810	3897.4	77.85	0.000
##	30638	3897.4	77.85	0.000
##	19874	3897.4	77.87	0.000
##	6827	3897.4	77.88	0.000
##	14794	3897.4	77.89	0.000
##	27306	3897.5	77.90	0.000
##	18093	3897.5	77.91	0.000
##	10128	3897.5	77.92	0.000
##	11919	3897.5	77.92	0.000
##	10892	3897.5	77.96	0.000
##	1703	3897.5	77.96	0.000
##	20360	3897.5	77.96	0.000
##	31170	3897.5	77.97	0.000
##	27085	3897.6	78.01	0.000
##	14797	3897.6	78.03	0.000
##	18634	3897.6	78.05	0.000
##	22722	3897.6	78.05	0.000
##	19618	3897.7	78.09	0.000
##	6342	3897.7	78.12	0.000
##	9866	3897.7	78.14	0.000
##	24456	3897.7	78.14	0.000
##	31173	3897.7	78.16	0.000
##	2254	3897.7	78.16	0.000
##	15019	3897.7	78.18	0.000
##	11179	3897.7	78.19	0.000
##	30128	3897.8	78.25	0.000
##	31214	3897.8	78.26	0.000
##	2250	3897.8	78.27	0.000
##	2723	3897.8	78.27	0.000
##	27307	3897.8	78.29	0.000

##	31177	3897.9	78.30	0.000
##	17828	3897.9	78.30	0.000
##	5805	3897.9	78.32	0.000
##	1930	3897.9	78.34	0.000
##	10926	3897.9	78.39	0.000
##	18894	3898.0	78.45	0.000
##	26285	3898.1	78.49	0.000
##	32390	3898.1	78.49	0.000
##	27310	3898.1	78.52	0.000
##	26530	3898.1	78.57	0.000
##	6796	3898.2	78.62	0.000
##	6349	3898.2	78.62	0.000
##	6338	3898.2	78.63	0.000
##	19881	3898.2	78.65	0.000
##	26830	3898.2	78.68	0.000
##	25776	3898.2	78.69	0.000
##	14542	3898.3	78.69	0.000
##	1678	3898.3	78.72	0.000
##	3491	3898.3	78.73	0.000
##	30918	3898.3	78.73	0.000
##	5548	3898.3	78.74	0.000
##	26278	3898.3	78.77	0.000
##	1955	3898.3	78.78	0.000
##	22729	3898.4	78.80	0.000
##	11913	3898.4	78.80	0.000
##	26537	3898.4	78.81	0.000
##	22986	3898.4	78.83	0.000
##	26254	3898.4	78.85	0.000
##	10915	3898.4	78.86	0.000
##	30631	3898.4	78.88	0.000
##	22989	3898.4	78.88	0.000
##	6345	3898.5	78.89	0.000
##	18338	3898.5	78.89	0.000
##	3235	3898.5	78.90	0.000
##	32646	3898.5	78.93	0.000
##	19118	3898.5	78.93	0.000
##	5770	3898.5	78.96	0.000
##	32649	3898.5	78.97	0.000
##	2704	3898.5	78.98	0.000
##	10919	3898.6	78.99	0.000
##	18058	3898.6	79.00	0.000
##	18349	3898.6	79.00	0.000
##	27276	3898.6	79.04	0.000
##	18086	3898.6	79.04	0.000
##	11660	3898.6	79.04	0.000
##	18062	3898.6	79.07	0.000
##	32653	3898.6	79.08	0.000
##	30922	3898.6	79.08	0.000
##	22982	3898.7	79.10	0.000
##	22185	3898.7	79.11	0.000
##	19084	3898.7	79.11	0.000
##	11178	3898.7	79.12	0.000
##	30346	3898.7	79.13	0.000
##	21668	3898.7	79.13	0.000

##	5795	3898.7	79.13	0.000
##	7593	3898.7	79.14	0.000
##	16267	3898.7	79.14	0.000
##	30377	3898.7	79.14	0.000
##	19119	3898.7	79.15	0.000
##	20365	3898.7	79.16	0.000
##	6606	3898.7	79.16	0.000
##	1456	3898.7	79.17	0.000
##	30925	3898.7	79.17	0.000
##	19371	3898.7	79.17	0.000
##	5292	3898.7	79.18	0.000
##	9891	3898.7	79.18	0.000
##	2956	3898.7	79.18	0.000
##	15018	3898.8	79.20	0.000
##	18314	3898.8	79.21	0.000
##	13740	3898.8	79.22	0.000
##	18638	3898.8	79.24	0.000
##	8079	3898.8	79.25	0.000
##	2991	3898.9	79.31	0.000
##	7308	3898.9	79.34	0.000
##	20109	3898.9	79.35	0.000
##	1698	3898.9	79.36	0.000
##	28066	3898.9	79.37	0.000
##	30626	3899.0	79.40	0.000
##	16015	3899.0	79.43	0.000
##	22726	3899.0	79.46	0.000
##	2727	3899.0	79.46	0.000
##	3501	3899.0	79.47	0.000
##	11404	3899.0	79.49	0.000
##	7083	3899.1	79.52	0.000
##	10157	3899.1	79.52	0.000
##	29872	3899.1	79.54	0.000
##	3216	3899.1	79.57	0.000
##	9388	3899.2	79.60	0.000
##	14224	3899.2	79.60	0.000
##	30374	3899.2	79.61	0.000
##	1959	3899.2	79.62	0.000
##	11689	3899.2	79.64	0.000
##	14249	3899.2	79.64	0.000
##	22434	3899.2	79.67	0.000
##	10896	3899.2	79.67	0.000
##	23211	3899.3	79.70	0.000
##	6061	3899.3	79.70	0.000
##	22182	3899.3	79.74	0.000
##	22441	3899.3	79.76	0.000
##	31906	3899.3	79.76	0.000
##	22733	3899.3	79.77	0.000
##	13997	3899.3	79.77	0.000
##	26506	3899.4	79.80	0.000
##	17804	3899.4	79.83	0.000
##	23970	3899.4	79.84	0.000
##	1200	3899.4	79.84	0.000
##	23714	3899.4	79.85	0.000
##	17572	3899.4	79.87	0.000

##	7564	3899.4	79.88	0.000
##	20361	3899.5	79.89	0.000
##	3495	3899.5	79.93	0.000
##	19370	3899.5	79.93	0.000
##	1702	3899.5	79.93	0.000
##	3977	3899.5	79.94	0.000
##	9648	3899.5	79.95	0.000
##	14988	3899.5	79.95	0.000
##	23915	3899.5	79.96	0.000
##	23210	3899.5	79.96	0.000
##	27086	3899.5	79.99	0.000
##	11683	3899.5	79.99	0.000
##	30116	3899.6	80.00	0.000
##	9895	3899.6	80.01	0.000
##	27311	3899.6	80.01	0.000
##	18318	3899.6	80.03	0.000
##	11183	3899.6	80.04	0.000
##	13962	3899.6	80.04	0.000
##	5799	3899.6	80.04	0.000
##	16009	3899.6	80.04	0.000
##	14798	3899.6	80.06	0.000
##	3472	3899.6	80.06	0.000
##	26273	3899.6	80.07	0.000
##	15023	3899.6	80.09	0.000
##	21928	3899.7	80.12	0.000
##	12175	3899.7	80.16	0.000
##	17835	3899.7	80.18	0.000
##	27562	3899.8	80.20	0.000
##	9870	3899.8	80.20	0.000
##	10122	3899.8	80.21	0.000
##	19885	3899.8	80.21	0.000
##	31178	3899.8	80.22	0.000
##	22154	3899.8	80.23	0.000
##	27814	3899.8	80.24	0.000
##	1934	3899.8	80.25	0.000
##	6831	3899.8	80.25	0.000
##	27299	3899.8	80.25	0.000
##	22189	3899.8	80.26	0.000
##	6026	3899.8	80.26	0.000
##	31174	3899.8	80.27	0.000
##	31402	3899.8	80.29	0.000
##	19878	3899.9	80.30	0.000
##	19622	3899.9	80.30	0.000
##	3725	3899.9	80.30	0.000
##	29860	3899.9	80.34	0.000
##	22730	3899.9	80.37	0.000
##	6346	3899.9	80.39	0.000
##	2979	3900.0	80.40	0.000
##	31181	3900.0	80.43	0.000
##	11917	3900.0	80.44	0.000
##	11148	3900.0	80.47	0.000
##	15022	3900.0	80.47	0.000
##	3721	3900.1	80.51	0.000
##	26020	3900.1	80.52	0.000

##	6350	3900.1	80.52	0.000
##	17832	3900.1	80.53	0.000
##	6800	3900.1	80.54	0.000
##	3239	3900.1	80.55	0.000
##	24461	3900.1	80.56	0.000
##	3241	3900.1	80.58	0.000
##	26541	3900.2	80.62	0.000
##	15275	3900.2	80.64	0.000
##	10918	3900.2	80.64	0.000
##	30350	3900.2	80.65	0.000
##	23916	3900.2	80.65	0.000
##	11182	3900.2	80.67	0.000
##	23977	3900.2	80.67	0.000
##	19107	3900.2	80.68	0.000
##	31406	3900.3	80.70	0.000
##	5774	3900.3	80.70	0.000
##	31403	3900.3	80.73	0.000
##	27563	3900.3	80.75	0.000
##	6819	3900.3	80.75	0.000
##	22410	3900.4	80.79	0.000
##	23180	3900.4	80.80	0.000
##	31372	3900.4	80.80	0.000
##	12169	3900.4	80.81	0.000
##	5798	3900.4	80.84	0.000
##	22158	3900.4	80.84	0.000
##	18081	3900.4	80.86	0.000
##	30381	3900.4	80.86	0.000
##	24205	3900.4	80.87	0.000
##	5552	3900.4	80.89	0.000
##	22990	3900.5	80.91	0.000
##	17808	3900.5	80.91	0.000
##	21900	3900.5	80.91	0.000
##	19820	3900.5	80.91	0.000
##	27566	3900.5	80.92	0.000
##	26534	3900.5	80.94	0.000
##	25764	3900.5	80.94	0.000
##	28073	3900.6	81.00	0.000
##	3981	3900.6	81.02	0.000
##	5794	3900.6	81.02	0.000
##	23214	3900.6	81.04	0.000
##	19374	3900.6	81.05	0.000
##	19375	3900.6	81.05	0.000
##	7052	3900.6	81.06	0.000
##	6051	3900.6	81.07	0.000
##	26510	3900.6	81.07	0.000
##	1954	3900.7	81.12	0.000
##	30926	3900.7	81.13	0.000
##	7587	3900.7	81.18	0.000
##	7597	3900.7	81.18	0.000
##	10147	3900.7	81.18	0.000
##	30633	3900.8	81.19	0.000
##	13484	3900.8	81.22	0.000
##	27280	3900.8	81.22	0.000
##	11427	3900.8	81.23	0.000

##	17548	3900.8	81.23	0.000
##	18342	3900.8	81.24	0.000
##	8073	3900.8	81.26	0.000
##	27303	3900.9	81.30	0.000
##	15756	3900.9	81.32	0.000
##	7331	3900.9	81.33	0.000
##	2960	3900.9	81.34	0.000
##	15011	3900.9	81.35	0.000
##	22445	3900.9	81.36	0.000
##	30602	3900.9	81.36	0.000
##	14992	3900.9	81.37	0.000
##	11171	3900.9	81.37	0.000
##	15274	3900.9	81.38	0.000
##	32162	3901.0	81.39	0.000
##	16013	3901.0	81.41	0.000
##	7821	3901.0	81.41	0.000
##	2983	3901.0	81.42	0.000
##	19340	3901.0	81.42	0.000
##	19088	3901.0	81.44	0.000
##	5296	3901.0	81.45	0.000
##	21672	3901.0	81.45	0.000
##	13987	3901.0	81.46	0.000
##	18059	3901.0	81.47	0.000
##	11664	3901.1	81.49	0.000
##	15785	3901.1	81.51	0.000
##	3245	3901.1	81.51	0.000
##	15015	3901.1	81.53	0.000
##	11175	3901.1	81.53	0.000
##	27532	3901.1	81.57	0.000
##	23467	3901.2	81.62	0.000
##	13744	3901.2	81.62	0.000
##	24457	3901.2	81.63	0.000
##	11687	3901.2	81.64	0.000
##	22734	3901.2	81.65	0.000
##	9894	3901.2	81.66	0.000
##	9890	3901.2	81.66	0.000
##	23215	3901.2	81.66	0.000
##	3234	3901.2	81.67	0.000
##	16271	3901.2	81.68	0.000
##	15500	3901.3	81.69	0.000
##	11693	3901.3	81.70	0.000
##	17839	3901.3	81.73	0.000
##	6055	3901.3	81.74	0.000
##	20105	3901.3	81.74	0.000
##	30630	3901.3	81.74	0.000
##	11433	3901.4	81.82	0.000
##	28070	3901.4	81.83	0.000
##	7312	3901.4	81.84	0.000
##	14253	3901.4	81.84	0.000
##	7087	3901.4	81.85	0.000
##	24427	3901.4	81.86	0.000
##	19111	3901.5	81.90	0.000
##	11408	3901.5	81.91	0.000
##	2730	3901.5	81.93	0.000



##	17576	3901.5	81.95	0.000
##	32107	3901.5	81.95	0.000
##	8077	3901.5	81.96	0.000
##	6823	3901.5	81.96	0.000
##	22414	3901.5	81.96	0.000
##	10151	3901.5	81.98	0.000
##	11174	3901.6	82.00	0.000
##	9392	3901.6	82.00	0.000
##	16265	3901.6	82.00	0.000
##	22438	3901.6	82.03	0.000
##	18315	3901.6	82.03	0.000
##	17552	3901.6	82.05	0.000
##	23981	3901.7	82.12	0.000
##	13991	3901.7	82.13	0.000
##	23718	3901.7	82.16	0.000
##	7817	3901.7	82.16	0.000
##	21644	3901.7	82.17	0.000
##	19819	3901.7	82.17	0.000
##	26251	3901.7	82.19	0.000
##	14218	3901.8	82.20	0.000
##	11152	3901.8	82.21	0.000
##	31910	3901.8	82.21	0.000
##	25996	3901.8	82.23	0.000
##	1958	3901.8	82.24	0.000
##	13966	3901.8	82.26	0.000
##	30369	3901.8	82.29	0.000
##	23974	3901.8	82.29	0.000
##	23466	3901.9	82.29	0.000
##	10126	3901.9	82.34	0.000
##	21904	3901.9	82.35	0.000
##	6030	3901.9	82.35	0.000
##	26277	3901.9	82.36	0.000
##	26529	3901.9	82.36	0.000
##	15014	3901.9	82.38	0.000
##	23919	3902.0	82.40	0.000
##	7568	3902.0	82.42	0.000
##	30120	3902.0	82.43	0.000
##	7591	3902.0	82.44	0.000
##	31182	3902.0	82.47	0.000
##	15779	3902.0	82.49	0.000
##	15244	3902.0	82.49	0.000
##	27567	3902.1	82.51	0.000
##	21931	3902.1	82.53	0.000
##	6050	3902.1	82.54	0.000
##	26027	3902.1	82.55	0.000
##	31407	3902.1	82.56	0.000
##	12173	3902.1	82.56	0.000
##	31658	3902.1	82.59	0.000
##	15279	3902.2	82.59	0.000
##	28077	3902.2	82.62	0.000
##	18063	3902.2	82.63	0.000
##	18337	3902.2	82.65	0.000
##	32108	3902.2	82.65	0.000
##	13990	3902.2	82.67	0.000

##	7337	3902.3	82.69	0.000
##	29864	3902.3	82.72	0.000
##	15278	3902.3	82.73	0.000
##	19363	3902.3	82.74	0.000
##	27817	3902.3	82.75	0.000
##	1697	3902.3	82.77	0.000
##	27302	3902.3	82.78	0.000
##	26024	3902.3	82.78	0.000
##	31395	3902.3	82.78	0.000
##	31376	3902.3	82.79	0.000
##	27555	3902.4	82.79	0.000
##	19625	3902.4	82.80	0.000
##	10914	3902.4	82.82	0.000
##	28012	3902.4	82.87	0.000
##	18085	3902.5	82.91	0.000
##	7075	3902.5	82.91	0.000
##	2986	3902.5	82.92	0.000
##	25740	3902.5	82.93	0.000
##	30606	3902.5	82.95	0.000
##	10146	3902.5	82.97	0.000
##	23184	3902.5	82.97	0.000
##	19629	3902.5	82.98	0.000
##	7056	3902.5	82.98	0.000
##	3238	3902.5	82.98	0.000
##	22177	3902.6	83.01	0.000
##	30637	3902.6	83.01	0.000
##	11431	3902.6	83.01	0.000
##	7335	3902.6	83.03	0.000
##	32169	3902.6	83.05	0.000
##	31662	3902.7	83.09	0.000
##	17579	3902.7	83.11	0.000
##	2220	3902.7	83.11	0.000
##	23920	3902.7	83.11	0.000
##	25768	3902.7	83.12	0.000
##	6054	3902.7	83.13	0.000
##	24428	3902.7	83.14	0.000
##	11170	3902.7	83.17	0.000
##	23436	3902.7	83.18	0.000
##	23203	3902.8	83.19	0.000
##	19824	3902.8	83.21	0.000
##	31659	3902.8	83.22	0.000
##	23470	3902.8	83.24	0.000
##	18319	3902.8	83.24	0.000
##	30092	3902.9	83.33	0.000
##	26000	3902.9	83.34	0.000
##	13986	3902.9	83.34	0.000
##	31628	3902.9	83.35	0.000
##	2476	3902.9	83.35	0.000
##	32619	3902.9	83.37	0.000
##	7341	3902.9	83.38	0.000
##	21648	3903.0	83.39	0.000
##	11437	3903.0	83.46	0.000
##	15789	3903.0	83.47	0.000
##	20332	3903.0	83.47	0.000

##	16269	3903.1	83.49	0.000
##	14243	3903.1	83.49	0.000
##	10150	3903.1	83.55	0.000
##	23471	3903.1	83.58	0.000
##	13488	3903.2	83.59	0.000
##	26255	3903.2	83.64	0.000
##	24201	3903.2	83.67	0.000
##	15270	3903.2	83.67	0.000
##	15523	3903.3	83.69	0.000
##	27821	3903.3	83.70	0.000
##	6826	3903.3	83.75	0.000
##	30340	3903.3	83.77	0.000
##	27536	3903.3	83.78	0.000
##	28291	3903.3	83.78	0.000
##	19344	3903.3	83.78	0.000
##	26507	3903.3	83.79	0.000
##	15529	3903.4	83.80	0.000
##	15760	3903.4	83.85	0.000
##	7330	3903.4	83.85	0.000
##	31399	3903.4	83.86	0.000
##	22155	3903.4	83.86	0.000
##	27559	3903.4	83.86	0.000
##	20331	3903.4	83.86	0.000
##	3490	3903.4	83.87	0.000
##	32166	3903.4	83.87	0.000
##	29836	3903.4	83.87	0.000
##	15267	3903.4	83.89	0.000
##	15248	3903.5	83.91	0.000
##	19367	3903.5	83.94	0.000
##	25744	3903.5	83.94	0.000
##	7079	3903.5	83.95	0.000
##	11426	3903.6	84.00	0.000
##	1675	3903.6	84.06	0.000
##	32363	3903.6	84.07	0.000
##	2722	3903.6	84.08	0.000
##	15271	3903.7	84.10	0.000
##	26031	3903.7	84.10	0.000
##	27558	3903.7	84.12	0.000
##	28011	3903.7	84.12	0.000
##	14247	3903.7	84.13	0.000
##	21935	3903.7	84.15	0.000
##	20098	3903.7	84.16	0.000
##	1701	3903.7	84.17	0.000
##	15783	3903.7	84.18	0.000
##	15504	3903.7	84.19	0.000
##	24431	3903.8	84.27	0.000
##	17583	3903.9	84.34	0.000
##	2734	3903.9	84.35	0.000
##	1451	3903.9	84.38	0.000
##	19823	3904.0	84.42	0.000
##	3494	3904.0	84.42	0.000
##	23207	3904.0	84.43	0.000
##	32111	3904.0	84.43	0.000
##	22411	3904.0	84.45	0.000

##	19110	3904.0	84.45	0.000
##	14222	3904.0	84.46	0.000
##	14246	3904.0	84.48	0.000
##	14242	3904.0	84.48	0.000
##	19873	3904.1	84.54	0.000
##	31398	3904.1	84.54	0.000
##	32173	3904.1	84.57	0.000
##	30625	3904.2	84.60	0.000
##	30347	3904.2	84.61	0.000
##	30373	3904.2	84.61	0.000
##	26533	3904.2	84.66	0.000
##	32620	3904.3	84.72	0.000
##	17827	3904.3	84.75	0.000
##	26244	3904.3	84.75	0.000
##	30096	3904.4	84.81	0.000
##	22433	3904.4	84.85	0.000
##	18341	3904.4	84.86	0.000
##	6316	3904.4	84.86	0.000
##	1953	3904.4	84.89	0.000
##	31851	3904.5	84.90	0.000
##	31913	3904.5	84.91	0.000
##	30123	3904.5	84.93	0.000
##	25771	3904.5	84.97	0.000
##	7334	3904.5	84.97	0.000
##	24171	3904.5	84.97	0.000
##	9889	3904.5	84.98	0.000
##	28524	3904.5	84.98	0.000
##	23721	3904.5	84.99	0.000
##	23725	3904.6	85.00	0.000
##	22159	3904.6	85.00	0.000
##	7082	3904.6	85.01	0.000
##	5793	3904.6	85.05	0.000
##	15010	3904.6	85.05	0.000
##	9643	3904.6	85.06	0.000
##	23659	3904.6	85.08	0.000
##	31663	3904.6	85.08	0.000
##	27298	3904.6	85.09	0.000
##	22181	3904.7	85.12	0.000
##	24194	3904.7	85.13	0.000
##	32112	3904.7	85.15	0.000
##	10921	3904.7	85.16	0.000
##	26511	3904.8	85.20	0.000
##	28016	3904.8	85.21	0.000
##	28523	3904.8	85.27	0.000
##	6572	3904.8	85.27	0.000
##	23459	3904.8	85.28	0.000
##	29840	3904.8	85.28	0.000
##	15533	3904.9	85.30	0.000
##	15266	3904.9	85.30	0.000
##	11430	3904.9	85.31	0.000
##	2990	3904.9	85.32	0.000
##	31632	3904.9	85.34	0.000
##	31651	3904.9	85.35	0.000
##	23440	3904.9	85.38	0.000

##	27809	3904.9	85.38	0.000
##	21675	3905.0	85.44	0.000
##	10412	3905.0	85.44	0.000
##	2726	3905.0	85.47	0.000
##	18604	3905.1	85.50	0.000
##	2224	3905.1	85.51	0.000
##	15527	3905.1	85.52	0.000
##	27554	3905.1	85.57	0.000
##	18860	3905.1	85.59	0.000
##	24432	3905.2	85.62	0.000
##	22415	3905.2	85.63	0.000
##	32364	3905.2	85.63	0.000
##	19106	3905.2	85.65	0.000
##	2480	3905.2	85.66	0.000
##	1931	3905.3	85.71	0.000
##	31917	3905.3	85.72	0.000
##	28295	3905.3	85.73	0.000
##	31852	3905.3	85.76	0.000
##	32623	3905.3	85.78	0.000
##	9893	3905.4	85.81	0.000
##	31654	3905.4	85.81	0.000
##	10668	3905.4	85.82	0.000
##	11682	3905.5	85.91	0.000
##	1195	3905.5	85.91	0.000
##	19854	3905.5	85.93	0.000
##	19617	3905.5	85.93	0.000
##	6818	3905.5	85.98	0.000
##	20336	3905.5	85.98	0.000
##	23660	3905.6	86.00	0.000
##	28267	3905.6	86.01	0.000
##	30351	3905.6	86.05	0.000
##	23206	3905.6	86.06	0.000
##	28268	3905.6	86.06	0.000
##	5771	3905.6	86.08	0.000
##	7586	3905.7	86.12	0.000
##	22148	3905.7	86.13	0.000
##	28065	3905.7	86.17	0.000
##	15522	3905.7	86.18	0.000
##	20102	3905.8	86.19	0.000
##	6830	3905.8	86.20	0.000
##	27756	3905.8	86.21	0.000
##	30596	3905.8	86.22	0.000
##	30344	3905.8	86.23	0.000
##	30603	3905.8	86.23	0.000
##	28547	3905.8	86.27	0.000
##	27305	3905.8	86.28	0.000
##	32387	3905.8	86.28	0.000
##	20354	3905.9	86.30	0.000
##	20335	3905.9	86.34	0.000
##	25775	3905.9	86.35	0.000
##	9867	3906.0	86.40	0.000
##	28015	3906.0	86.41	0.000
##	5797	3906.0	86.42	0.000
##	1679	3906.0	86.43	0.000

##	31655	3906.0	86.46	0.000
##	2978	3906.0	86.47	0.000
##	1957	3906.0	86.47	0.000
##	32367	3906.0	86.48	0.000
##	19113	3906.0	86.49	0.000
##	23463	3906.1	86.50	0.000
##	7590	3906.1	86.50	0.000
##	23883	3906.1	86.53	0.000
##	24172	3906.1	86.53	0.000
##	30127	3906.1	86.54	0.000
##	19564	3906.1	86.57	0.000
##	17831	3906.2	86.66	0.000
##	5547	3906.2	86.67	0.000
##	21923	3906.3	86.71	0.000
##	10145	3906.3	86.73	0.000
##	21679	3906.3	86.73	0.000
##	1455	3906.3	86.75	0.000
##	19855	3906.3	86.76	0.000
##	11686	3906.3	86.79	0.000
##	23969	3906.4	86.85	0.000
##	19877	3906.4	86.85	0.000
##	19850	3906.4	86.86	0.000
##	19366	3906.5	86.91	0.000
##	26019	3906.5	86.93	0.000
##	30629	3906.5	86.94	0.000
##	6822	3906.6	86.99	0.000
##	26248	3906.6	87.08	0.000
##	22437	3906.7	87.11	0.000
##	20075	3906.7	87.11	0.000
##	20076	3906.7	87.14	0.000
##	6320	3906.7	87.15	0.000
##	19851	3906.7	87.16	0.000
##	22700	3906.7	87.18	0.000
##	26500	3906.7	87.18	0.000
##	6049	3906.7	87.19	0.000
##	15017	3906.8	87.19	0.000
##	32624	3906.8	87.20	0.000
##	10925	3906.8	87.21	0.000
##	27755	3906.8	87.27	0.000
##	14508	3906.8	87.28	0.000
##	13985	3906.8	87.28	0.000
##	31855	3906.9	87.29	0.000
##	31394	3906.9	87.31	0.000
##	29867	3906.9	87.32	0.000
##	15526	3906.9	87.34	0.000
##	17571	3906.9	87.35	0.000
##	7086	3906.9	87.37	0.000
##	22956	3907.0	87.40	0.000
##	24198	3907.0	87.40	0.000
##	24450	3907.0	87.41	0.000
##	23663	3907.0	87.41	0.000
##	24175	3907.0	87.41	0.000
##	13739	3907.0	87.42	0.000
##	23907	3907.0	87.43	0.000

##	6576	3907.0	87.44	0.000
##	9647	3907.0	87.44	0.000
##	18052	3907.0	87.47	0.000
##	27813	3907.0	87.49	0.000
##	19811	3907.1	87.50	0.000
##	2982	3907.1	87.52	0.000
##	28528	3907.1	87.52	0.000
##	28046	3907.1	87.55	0.000
##	11177	3907.1	87.55	0.000
##	19563	3907.1	87.56	0.000
##	32075	3907.1	87.56	0.000
##	19787	3907.1	87.58	0.000
##	26253	3907.2	87.60	0.000
##	26796	3907.2	87.60	0.000
##	30607	3907.2	87.63	0.000
##	10890	3907.2	87.63	0.000
##	19621	3907.2	87.64	0.000
##	6027	3907.2	87.69	0.000
##	31905	3907.3	87.70	0.000
##	31650	3907.3	87.71	0.000
##	23202	3907.3	87.74	0.000
##	14764	3907.3	87.74	0.000
##	19788	3907.3	87.77	0.000
##	28527	3907.3	87.78	0.000
##	10416	3907.4	87.80	0.000
##	27309	3907.4	87.83	0.000
##	10149	3907.5	87.92	0.000
##	19362	3907.5	87.96	0.000
##	28042	3907.5	87.96	0.000
##	18608	3907.5	87.97	0.000
##	22404	3907.6	88.01	0.000
##	26249	3907.6	88.01	0.000
##	18864	3907.6	88.04	0.000
##	23884	3907.6	88.05	0.000
##	27790	3907.6	88.08	0.000
##	10123	3907.6	88.08	0.000
##	13989	3907.7	88.10	0.000
##	32368	3907.7	88.10	0.000
##	19812	3907.7	88.11	0.000
##	9387	3907.7	88.11	0.000
##	1935	3907.7	88.12	0.000
##	27052	3907.7	88.12	0.000
##	15778	3907.7	88.16	0.000
##	31856	3907.7	88.16	0.000
##	25763	3907.7	88.16	0.000
##	10672	3907.7	88.18	0.000
##	31401	3907.7	88.19	0.000
##	5291	3907.8	88.20	0.000
##	32391	3907.8	88.23	0.000
##	28551	3907.8	88.26	0.000
##	1199	3907.8	88.26	0.000
##	23713	3907.8	88.26	0.000
##	23664	3907.9	88.32	0.000
##	3233	3907.9	88.35	0.000

##	19369	3907.9	88.35	0.000
##	27760	3907.9	88.36	0.000
##	23950	3907.9	88.36	0.000
##	7074	3908.0	88.41	0.000
##	13963	3908.0	88.42	0.000
##	5775	3908.0	88.43	0.000
##	3436	3908.0	88.45	0.000
##	23209	3908.0	88.47	0.000
##	20358	3908.0	88.47	0.000
##	32161	3908.1	88.49	0.000
##	19117	3908.1	88.49	0.000
##	28271	3908.1	88.50	0.000
##	28069	3908.1	88.53	0.000
##	22152	3908.1	88.54	0.000
##	23462	3908.1	88.54	0.000
##	23887	3908.1	88.55	0.000
##	27780	3908.1	88.55	0.000
##	28272	3908.1	88.57	0.000
##	19568	3908.2	88.61	0.000
##	27979	3908.2	88.65	0.000
##	18317	3908.3	88.69	0.000
##	30600	3908.3	88.71	0.000
##	23951	3908.3	88.71	0.000
##	10917	3908.3	88.71	0.000
##	31876	3908.3	88.71	0.000
##	27561	3908.3	88.72	0.000
##	3948	3908.3	88.72	0.000
##	21927	3908.3	88.73	0.000
##	18061	3908.3	88.73	0.000
##	27980	3908.3	88.74	0.000
##	6053	3908.3	88.75	0.000
##	29871	3908.3	88.77	0.000
##	9871	3908.4	88.80	0.000
##	32643	3908.4	88.80	0.000
##	1164	3908.4	88.85	0.000
##	28047	3908.4	88.86	0.000
##	15782	3908.4	88.89	0.000
##	20323	3908.4	88.89	0.000
##	26023	3908.5	88.89	0.000
##	30115	3908.5	88.93	0.000
##	8043	3908.6	89.01	0.000
##	17575	3908.6	89.01	0.000
##	24176	3908.6	89.02	0.000
##	32076	3908.6	89.04	0.000
##	28043	3908.6	89.05	0.000
##	14241	3908.6	89.06	0.000
##	8047	3908.6	89.06	0.000
##	5551	3908.6	89.07	0.000
##	24419	3908.6	89.09	0.000
##	10913	3908.7	89.11	0.000
##	23908	3908.7	89.11	0.000
##	1420	3908.7	89.12	0.000
##	7078	3908.7	89.14	0.000
##	23946	3908.7	89.15	0.000



##	19815	3908.7	89.16	0.000
##	23973	3908.7	89.17	0.000
##	19791	3908.8	89.21	0.000
##	19599	3908.8	89.21	0.000
##	18308	3908.8	89.22	0.000
##	3466	3908.8	89.24	0.000
##	17834	3908.8	89.25	0.000
##	21667	3908.9	89.30	0.000
##	23947	3908.9	89.31	0.000
##	30892	3908.9	89.33	0.000
##	27759	3908.9	89.36	0.000
##	15021	3908.9	89.37	0.000
##	23911	3909.0	89.40	0.000
##	19792	3909.0	89.40	0.000
##	7532	3909.0	89.41	0.000
##	8044	3909.0	89.45	0.000
##	19779	3909.0	89.46	0.000
##	14512	3909.1	89.51	0.000
##	26509	3909.1	89.53	0.000
##	19567	3909.1	89.54	0.000
##	26504	3909.1	89.54	0.000
##	20079	3909.1	89.55	0.000
##	18313	3909.1	89.57	0.000
##	7787	3909.1	89.57	0.000
##	9612	3909.1	89.57	0.000
##	1450	3909.1	89.58	0.000
##	20080	3909.2	89.60	0.000
##	22704	3909.2	89.60	0.000
##	18056	3909.2	89.62	0.000
##	15273	3909.2	89.62	0.000
##	27786	3909.2	89.63	0.000
##	11181	3909.2	89.64	0.000
##	27791	3909.2	89.66	0.000
##	23875	3909.2	89.67	0.000
##	32079	3909.2	89.67	0.000
##	26505	3909.2	89.67	0.000
##	30349	3909.3	89.73	0.000
##	24395	3909.3	89.76	0.000
##	24454	3909.3	89.77	0.000
##	19816	3909.3	89.77	0.000
##	22960	3909.3	89.78	0.000
##	1929	3909.3	89.79	0.000
##	31909	3909.4	89.80	0.000
##	13743	3909.4	89.81	0.000
##	17838	3909.4	89.84	0.000
##	3947	3909.4	89.85	0.000
##	32099	3909.4	89.86	0.000
##	28003	3909.5	89.90	0.000
##	14986	3909.5	89.91	0.000
##	10894	3909.5	89.92	0.000
##	8048	3909.5	89.93	0.000
##	19598	3909.5	89.93	0.000
##	31405	3909.5	89.93	0.000
##	23717	3909.5	89.96	0.000

##	31148	3909.5	89.97	0.000
##	25767	3909.5	89.97	0.000
##	3952	3909.5	89.98	0.000
##	31819	3909.5	89.98	0.000
##	14768	3909.5	89.98	0.000
##	3692	3909.6	89.99	0.000
##	27787	3909.6	90.01	0.000
##	32142	3909.6	90.01	0.000
##	11146	3909.6	90.02	0.000
##	23458	3909.6	90.02	0.000
##	23888	3909.6	90.02	0.000
##	1673	3909.6	90.03	0.000
##	19595	3909.6	90.04	0.000
##	27274	3909.6	90.05	0.000
##	3489	3909.6	90.05	0.000
##	9865	3909.6	90.08	0.000
##	26800	3909.6	90.08	0.000
##	1677	3909.6	90.09	0.000
##	6031	3909.7	90.09	0.000
##	14219	3909.7	90.09	0.000
##	11628	3909.7	90.12	0.000
##	28289	3909.7	90.12	0.000
##	20324	3909.7	90.13	0.000
##	29859	3909.7	90.17	0.000
##	19373	3909.8	90.19	0.000
##	7531	3909.8	90.20	0.000
##	27784	3909.8	90.20	0.000
##	14245	3909.8	90.24	0.000
##	3440	3909.8	90.24	0.000
##	30345	3909.8	90.27	0.000
##	23465	3909.8	90.27	0.000
##	7791	3909.8	90.28	0.000
##	32138	3909.8	90.28	0.000
##	27565	3909.9	90.31	0.000
##	28036	3909.9	90.31	0.000
##	32587	3909.9	90.34	0.000
##	3237	3909.9	90.36	0.000
##	11169	3909.9	90.37	0.000
##	27983	3909.9	90.38	0.000
##	3470	3909.9	90.39	0.000
##	7788	3910.0	90.40	0.000
##	22408	3910.0	90.43	0.000
##	13483	3910.0	90.44	0.000
##	9391	3910.0	90.45	0.000
##	31886	3910.0	90.47	0.000
##	27984	3910.0	90.49	0.000
##	7329	3910.0	90.49	0.000
##	10127	3910.1	90.51	0.000
##	28004	3910.1	90.54	0.000
##	19780	3910.1	90.54	0.000
##	32132	3910.1	90.54	0.000
##	5295	3910.1	90.56	0.000
##	11173	3910.2	90.60	0.000
##	27056	3910.2	90.60	0.000

##	19783	3910.2	90.61	0.000
##	23213	3910.2	90.61	0.000
##	3691	3910.2	90.66	0.000
##	31657	3910.2	90.67	0.000
##	3428	3910.3	90.70	0.000
##	22413	3910.3	90.71	0.000
##	11425	3910.3	90.71	0.000
##	31880	3910.3	90.73	0.000
##	9356	3910.3	90.74	0.000
##	3939	3910.3	90.75	0.000
##	7536	3910.3	90.76	0.000
##	32647	3910.3	90.78	0.000
##	22157	3910.3	90.79	0.000
##	13967	3910.4	90.82	0.000
##	20299	3910.4	90.82	0.000
##	32143	3910.4	90.84	0.000
##	2729	3910.4	90.86	0.000
##	32165	3910.4	90.86	0.000
##	27301	3910.5	90.91	0.000
##	3951	3910.5	90.94	0.000
##	15724	3910.5	90.95	0.000
##	2985	3910.5	90.99	0.000
##	30119	3910.6	90.99	0.000
##	1933	3910.6	91.00	0.000
##	23912	3910.6	91.03	0.000
##	15013	3910.6	91.04	0.000
##	5260	3910.6	91.04	0.000
##	20327	3910.6	91.04	0.000
##	8035	3910.6	91.07	0.000
##	12140	3910.6	91.08	0.000
##	21671	3910.6	91.09	0.000
##	3435	3910.7	91.09	0.000
##	32080	3910.7	91.11	0.000
##	28515	3910.7	91.14	0.000
##	23695	3910.7	91.15	0.000
##	24420	3910.7	91.15	0.000
##	23879	3910.7	91.16	0.000
##	18057	3910.7	91.17	0.000
##	32331	3910.7	91.18	0.000
##	1168	3910.8	91.20	0.000
##	3940	3910.8	91.21	0.000
##	21930	3910.8	91.22	0.000
##	7535	3910.8	91.23	0.000
##	32139	3910.8	91.23	0.000
##	15009	3910.8	91.25	0.000
##	16235	3910.8	91.26	0.000
##	27723	3910.8	91.27	0.000
##	3493	3910.8	91.28	0.000
##	28491	3910.9	91.33	0.000
##	2721	3910.9	91.34	0.000
##	3180	3910.9	91.38	0.000
##	18312	3911.0	91.40	0.000
##	5516	3911.0	91.40	0.000
##	26026	3911.0	91.40	0.000

```

## 27297 3911.0    91.43  0.000
## 32611 3911.0    91.43  0.000
## 24423 3911.0    91.44  0.000
## 20300 3911.0    91.45  0.000
## 27724 3911.0    91.46  0.000
## 9869  3911.0    91.46  0.000
## 3427  3911.0    91.46  0.000
## 7792  3911.0    91.47  0.000
## 15723 3911.0    91.47  0.000
## 1424  3911.0    91.48  0.000
## 27971 3911.1    91.52  0.000
## 31820 3911.1    91.54  0.000
## 16239 3911.1    91.55  0.000
## 1454  3911.1    91.55  0.000
## 32100 3911.1    91.57  0.000
## 24396 3911.1    91.57  0.000
## 7523  3911.1    91.58  0.000
## 28007 3911.1    91.58  0.000
## 23876 3911.2    91.60  0.000
## [ reached getOption("max.print") -- omitted 28007 rows ]
## Models ranked by AICc(x)

```