

featureselection

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Description of the work

#Given dataset is a size of 1 GB individual log in data with 21 individual parameters such as timestamp

#By studying observable data following information can be analyzed from the given dataset

#1.How many connected user in a certain time period would be successfully authorized or failed

#2. Epoch time share ratio

#3. Availability of a user in a certain timestamp or time period

#4. Probability of new user creation in coming timestamps

#5. Probability of user to be connected in a certain period

#6. Probability of new user activation submitted

Process of the work

#To develop a prediction model, we need to do the following steps:

#1. What are the individual data mean in the given data set?

#2. Using Features selections find the correlation between the data in the data set

#3. What are the dependent and independent data in the data set?

#4. Create linear regression model

#5. Find the coefficients and residual

#6. Determine the residual is appropriate or not?

#7. Predict value using the regression model

#8. Cross validate the prediction model

```
require(leaps)
```

```
## Loading required package: leaps
```

```
## Warning: package 'leaps' was built under R version 3.2.5
```

```
require(MASS)
```

```
## Loading required package: MASS
```

```
## Warning: package 'MASS' was built under R version 3.2.5
```

Data reading

```
rdata <- read.csv(file.choose(), header=T)
```

Create Data frame

```
dataobj <- rdata[,c("timeStamp","epoch_time","UserID","MY_CLOUD","CONNECT","msisdn_login_submitted_failed",
summary(dataobj)
```

```
##                timeStamp      epoch_time      UserID
## 2016-01-23T03:39:51.789Z : 2   Min.   :1.454e+09   Min.   :5.998e+14
## 2016-01-23T03:26:10.158174Z: 1   1st Qu.:1.454e+09   1st Qu.:6.039e+14
## 2016-01-23T03:26:11.679Z : 1   Median :1.454e+09   Median :6.063e+14
## 2016-01-23T03:26:11.682Z : 1   Mean   :1.454e+09   Mean   :6.063e+14
## 2016-01-23T03:26:13.594Z : 1   3rd Qu.:1.454e+09   3rd Qu.:6.096e+14
## 2016-01-23T03:26:13.597Z : 1   Max.   :1.454e+09   Max.   :6.097e+14
## (Other)                  :992
##      MY_CLOUD      CONNECT      msisdn_login_submitted_failed
## Min.   :0.000000   Min.   :0.000   Min.   :0
## 1st Qu.:0.000000   1st Qu.:1.000   1st Qu.:0
## Median :0.000000   Median :1.000   Median :0
## Mean   :0.009009   Mean   :0.991   Mean   :0
## 3rd Qu.:0.000000   3rd Qu.:1.000   3rd Qu.:0
## Max.   :1.000000   Max.   :1.000   Max.   :0
##
## user_activation_submitted_failed user_allowed_authorization
## Min.   :0.000000           Min.   :0.0000
## 1st Qu.:0.000000           1st Qu.:0.0000
## Median :0.000000           Median :0.0000
## Mean   :0.002002           Mean   :0.3654
## 3rd Qu.:0.000000           3rd Qu.:1.0000
## Max.   :1.000000           Max.   :1.0000
##
## email_verification_submitted email_verification_submitted_failed
## Min.   :0.000000           Min.   :0.000000
## 1st Qu.:0.000000           1st Qu.:0.000000
## Median :0.000000           Median :0.000000
## Mean   :0.009009           Mean   :0.003003
## 3rd Qu.:0.000000           3rd Qu.:0.000000
## Max.   :1.000000           Max.   :1.000000
##
## msisdn_register_page msisdn_register_submitted_failed
## Min.   :0.00000   Min.   :0
## 1st Qu.:0.00000   1st Qu.:0
## Median :0.00000   Median :0
## Mean   :0.04404   Mean   :0
## 3rd Qu.:0.00000   3rd Qu.:0
## Max.   :1.00000   Max.   :0
##
## msisdn_register_submitted email_login_submitted_faile  availability
## Min.   :0.00000           Min.   :0           Min.   :0
```

```
## 1st Qu.:0.00000      1st Qu.:0      1st Qu.:0
## Median :0.00000      Median :0      Median :0
## Mean   :0.03403      Mean   :0      Mean   :0
## 3rd Qu.:0.00000      3rd Qu.:0      3rd Qu.:0
## Max.    :1.00000      Max.    :0      Max.    :0
##
## user_denied_authorization user_succeeded_authentication
## Min.      :0.000000      Min.      :0.0000
## 1st Qu.:0.000000      1st Qu.:0.0000
## Median :0.000000      Median :0.0000
## Mean   :0.002002      Mean   :0.3684
## 3rd Qu.:0.000000      3rd Qu.:1.0000
## Max.    :1.000000      Max.    :1.0000
##
## email_login_submitted msisdn_login_submitted new_user_created
## Min.      :0.0000      Min.      :0.00000      Min.      :0.000000
## 1st Qu.:0.0000      1st Qu.:0.00000      1st Qu.:0.000000
## Median :0.0000      Median :0.00000      Median :0.000000
## Mean   :0.0961      Mean   :0.06106      Mean   :0.009009
## 3rd Qu.:0.0000      3rd Qu.:0.00000      3rd Qu.:0.000000
## Max.    :1.0000      Max.    :1.00000      Max.    :1.000000
##
## user_activation_submitted
## Min.      :0.000000
## 1st Qu.:0.000000
## Median :0.000000
## Mean   :0.006006
## 3rd Qu.:0.000000
## Max.    :1.000000
##
```

```
Timestamp <- rdata[,c("timeStamp")]
UserID <- rdata[,c("UserID")]
Connect <- rdata[,c("CONNECT")]
Epoch_time <- rdata[,c("epoch_time")]
user_allowed_authorization <- rdata[,c("user_allowed_authorization")]
email_login_submitted <- rdata[,c("email_login_submitted")]
user_succeeded_authentication <- rdata[,c("user_succeeded_authentication")]
```

Feature selection and correlation between the most observable data

```
reg=regsubsets(timeStamp ~ epoch_time +UserID + CONNECT + user_allowed_authorization + user_succeeded_authentication)
```

```
#Explanation of the result of summary
#for the best subset of size 1, it puts 1 star next to the variable that's in the best subset of size 1
#for the best subset of size 2, it puts 2 stars next to the variables that are in the best subset of size 2
#...
##for the best subset of size n, it puts n stars next to the variables that are in the best subset of size n
summary(reg)
```

```
## Subset selection object
```

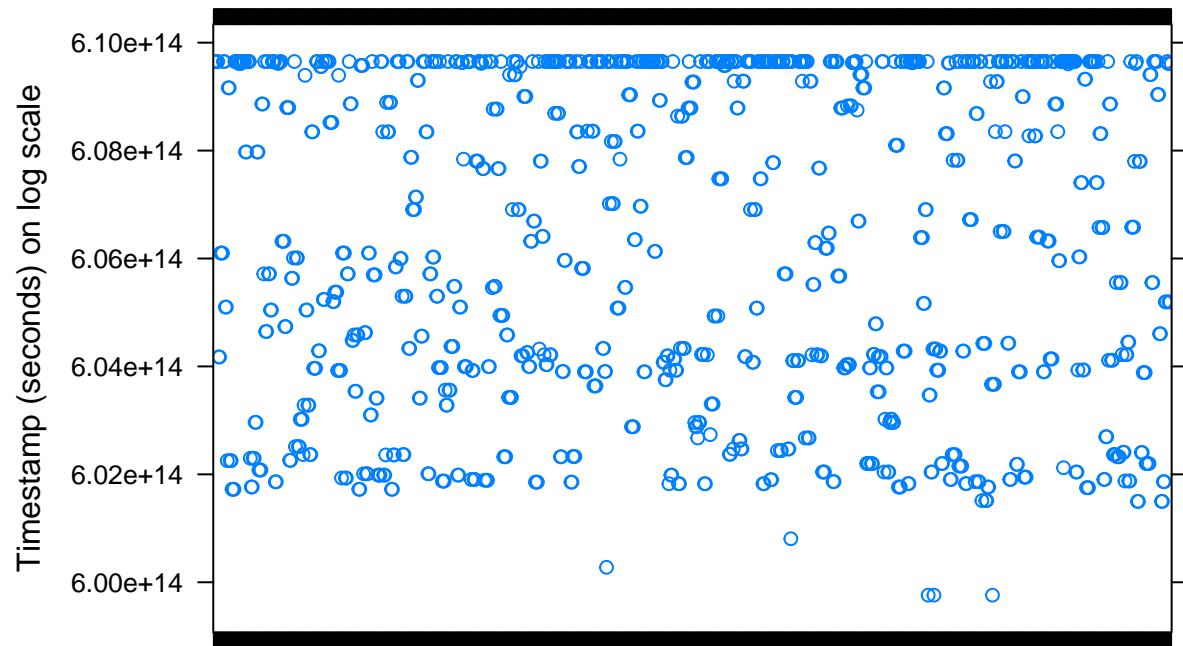
```
## Call: regsubsets.formula(timeStamp ~ epoch_time + UserID + CONNECT +
##       user_allowed_authorization + user_succeeded_authentication +
##       msisdn_login_submitted, data = dataobj, method = "backward")
## 6 Variables (and intercept)
##
##               Forced in Forced out
## epoch_time      FALSE      FALSE
## UserID          FALSE      FALSE
## CONNECT         FALSE      FALSE
## user_allowed_authorization FALSE      FALSE
## user_succeeded_authentication FALSE      FALSE
## msisdn_login_submitted    FALSE      FALSE
## 1 subsets of each size up to 6
## Selection Algorithm: backward
##      epoch_time UserID CONNECT user_allowed_authorization
## 1 ( 1 ) "*"      " "      " "      " "
## 2 ( 1 ) "*"      " "      " "      "*"
## 3 ( 1 ) "*"      " "      "*"      "*"
## 4 ( 1 ) "*"      " "      "*"      "*"
## 5 ( 1 ) "*"      "*"      "*"      "*"
## 6 ( 1 ) "*"      "*"      "*"      "*"
##      user_succeeded_authentication msisdn_login_submitted
## 1 ( 1 ) " "                      " "
## 2 ( 1 ) " "                      " "
## 3 ( 1 ) " "                      " "
## 4 ( 1 ) " "                      "*"
## 5 ( 1 ) " "                      "*"
## 6 ( 1 ) "*"                      "*"

```

```
library("lattice")
```

```
xyplot(UserID ~ Timestamp, data = rdata,
  xlab = "Number of User on log scale",
  ylab = "Timestamp (seconds) on log scale",
  main = "User Log in time"
)
```

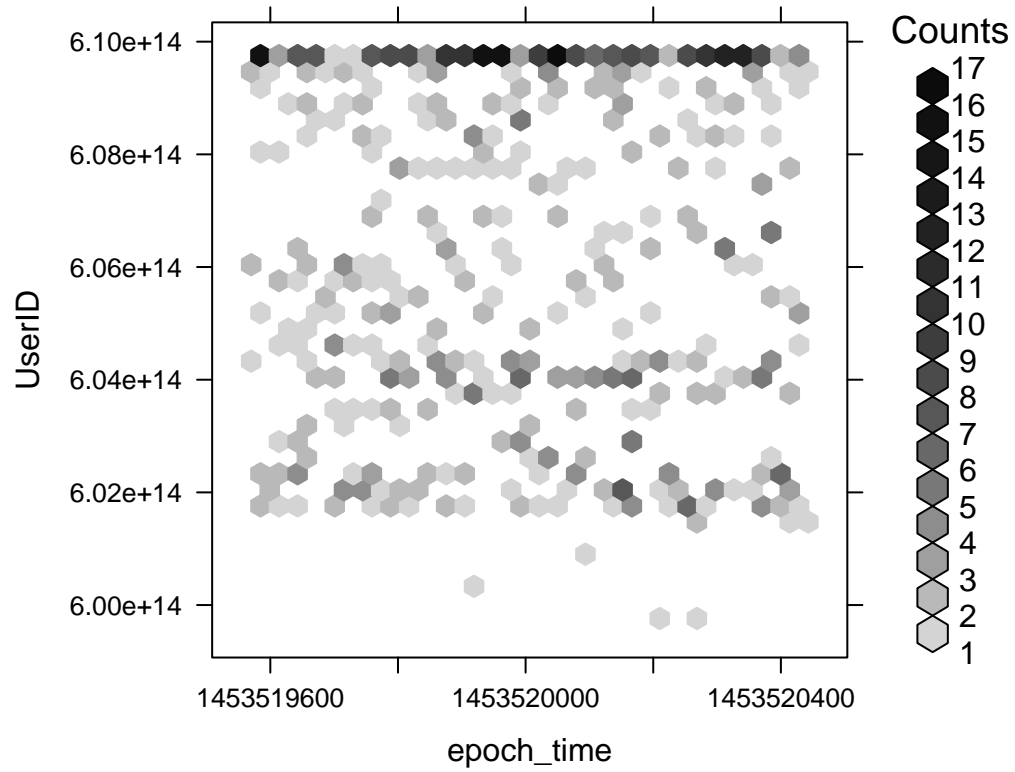
User Log in time



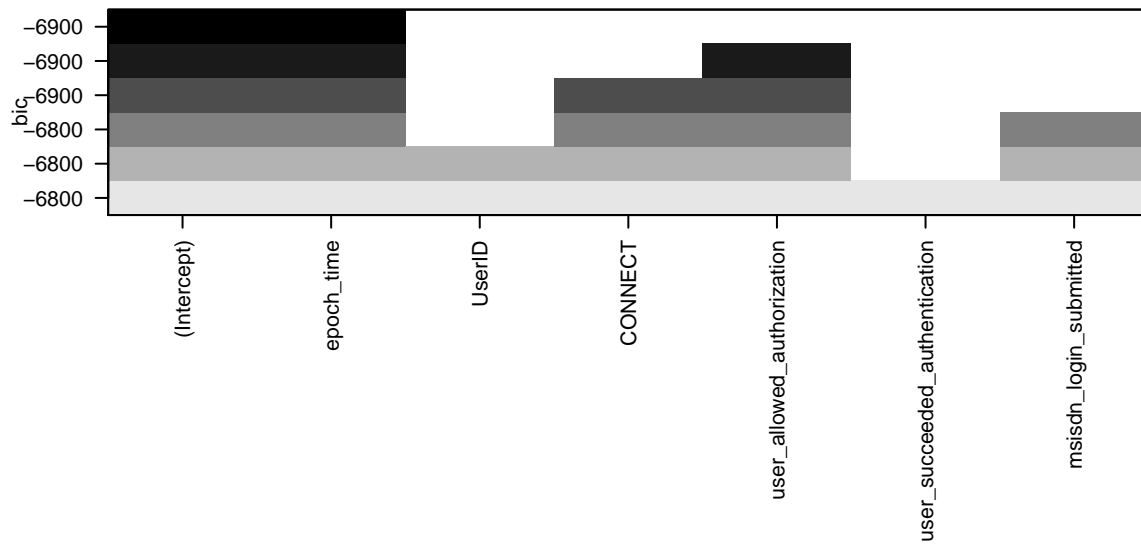
```
library("hexbin")
```

```
## Warning: package 'hexbin' was built under R version 3.2.5
```

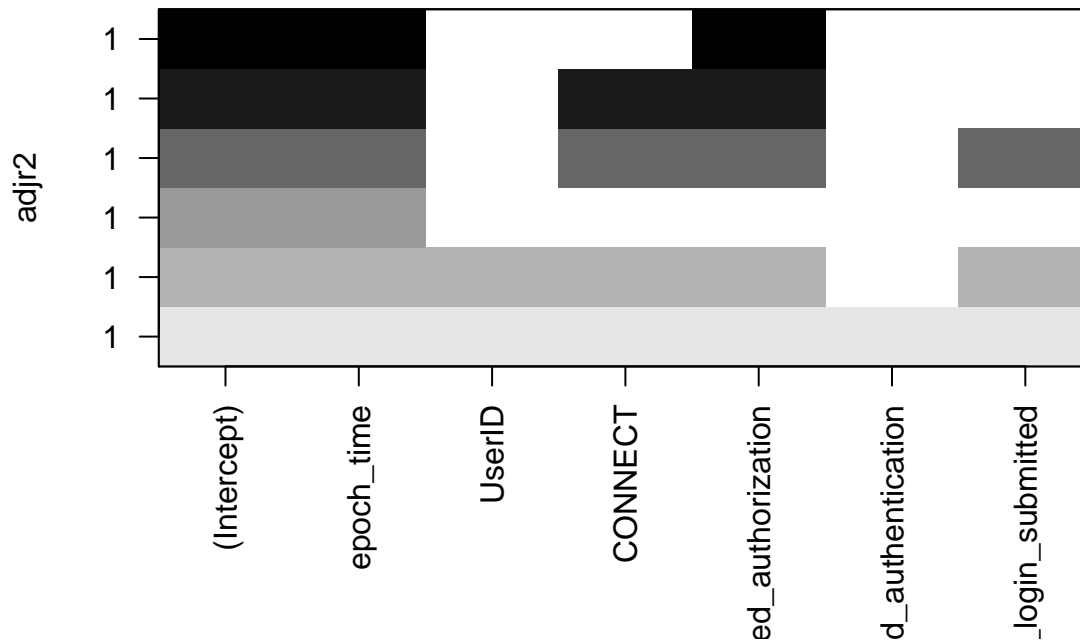
```
hexbinplot(UserID ~ epoch_time, dataobj,  
  scales = list(x = list(log = 10, equispaced.log = FALSE)),  
  aspect = 1, bins=50)
```



```
# diagnostic plots
layout(matrix(c(1,2,3,4),8,8)) # optional 4 graphs/page
plot(reg)
```



```
plot(reg,scale="adjr2")
```



Data Modeling

```
con.mod1 = lm(UserID ~ Connect + Timestamp, data = rdata)
summary(con.mod1)
```

```
##
## Call:
## lm(formula = UserID ~ Connect + Timestamp, data = rdata)
##
## Residuals:
```

	1	2	3	4	5	6
##	6.418e-09	9.343e-10	-1.433e-09	-7.600e-10	3.347e-10	8.706e-11
##	7	8	9	10	11	12
##	4.283e-10	-4.507e-10	2.774e-09	2.293e-11	-8.084e-10	-7.818e-10
##	13	14	15	16	17	18
##	-8.202e-11	-6.283e-10	1.271e-09	-5.969e-11	-1.042e-09	2.065e-09
##	19	20	21	22	23	24
##	1.469e-10	-6.854e-10	-3.253e-10	3.457e-11	-2.644e-10	8.767e-10
##	25	26	27	28	29	30
##	-1.967e-10	-1.818e-09	3.546e-09	7.989e-10	-2.984e-09	-2.833e-10
##	31	32	33	34	35	36
##	1.478e-09	-1.742e-09	1.199e-09	2.865e-09	-8.092e-10	-2.561e-09
##	37	38	39	40	41	42

##	1.511e-09	8.817e-11	1.111e-10	1.274e-09	1.542e-10	3.829e-10
##	43	44	45	46	47	48
##	2.640e-10	-2.144e-09	6.744e-10	1.253e-09	3.233e-09	-5.020e-09
##	49	50	51	52	53	54
##	4.978e-09	5.734e-11	-4.050e-09	-6.064e-10	1.779e-10	-1.961e-09
##	55	56	57	58	59	60
##	2.527e-09	2.057e-10	4.791e-10	-3.979e-11	4.646e-11	-2.341e-09
##	61	62	63	64	65	66
##	3.728e-10	-3.391e-11	3.956e-09	-2.948e-09	1.733e-10	1.741e-10
##	67	68	69	70	71	72
##	1.279e-09	-1.659e-09	9.657e-11	5.279e-09	-6.605e-09	4.282e-09
##	73	74	75	76	77	78
##	-3.192e-09	7.073e-10	1.269e-09	-1.801e-09	2.911e-09	3.969e-10
##	79	80	81	82	83	84
##	-2.138e-09	3.117e-09	1.154e-09	-8.197e-10	1.100e-09	-4.507e-09
##	85	86	87	88	89	90
##	3.366e-10	3.320e-11	1.426e-10	1.851e-09	-1.960e-10	1.263e-10
##	91	92	93	94	95	96
##	1.617e-09	-4.196e-09	9.296e-11	2.653e-09	2.162e-10	2.089e-10
##	97	98	99	100	101	102
##	8.495e-11	1.556e-10	5.374e-10	-1.332e-12	1.148e-10	5.257e-10
##	103	104	105	106	107	108
##	5.017e-10	-1.053e-11	-9.299e-10	1.268e-09	1.256e-10	-2.677e-09
##	109	110	111	112	113	114
##	4.424e-09	1.592e-13	3.896e-10	1.579e-09	7.251e-11	-3.243e-09
##	115	116	117	118	119	120
##	-2.867e-11	-4.210e-10	-8.178e-10	-1.221e-09	2.289e-09	2.203e-09
##	121	122	123	124	125	126
##	-1.797e-09	1.717e-09	1.334e-10	9.126e-11	1.855e-09	-2.142e-09
##	127	128	129	130	131	132
##	1.371e-09	1.282e-09	-2.728e-09	-3.154e-09	4.248e-09	-3.390e-09
##	133	134	135	136	137	138
##	4.005e-09	-3.643e-09	-1.839e-10	2.866e-09	1.604e-10	-4.257e-09
##	139	140	141	142	143	144
##	3.090e-09	-6.863e-10	3.053e-09	-4.658e-09	2.656e-09	2.769e-09
##	145	146	147	148	149	150
##	-1.043e-09	6.086e-11	-1.315e-09	1.987e-09	1.726e-11	2.252e-09
##	151	152	153	154	155	156
##	-5.557e-09	-2.276e-09	5.236e-09	1.626e-09	-2.572e-09	7.161e-11
##	157	158	159	160	161	162
##	-2.885e-09	4.152e-09	7.583e-11	-3.274e-09	1.776e-10	3.941e-09
##	163	164	165	166	167	168
##	1.699e-10	-3.954e-09	3.345e-09	-4.950e-10	-7.615e-10	6.094e-11
##	169	170	171	172	173	174
##	-1.229e-09	5.051e-09	1.160e-10	-1.646e-09	-2.102e-09	7.012e-11
##	175	176	177	178	179	180
##	-2.789e-09	6.189e-10	-1.720e-10	2.841e-10	2.957e-10	5.767e-09
##	181	182	183	184	185	186
##	3.470e-10	1.042e-10	-5.112e-10	2.011e-10	1.028e-10	5.916e-11
##	187	188	189	190	191	192
##	2.915e-10	-1.199e-10	-1.766e-11	-3.378e-09	1.201e-10	-5.313e-10
##	193	194	195	196	197	198
##	2.957e-09	-1.120e-09	2.292e-09	9.215e-11	-2.294e-09	3.535e-11
##	199	200	201	202	203	204

##	-2.701e-09	-1.689e-11	1.201e-10	2.852e-09	-1.303e-09	2.023e-09
##	205	206	207	208	209	210
##	1.712e-09	-2.585e-09	5.908e-10	1.191e-10	8.468e-11	1.485e-11
##	211	212	213	214	215	216
##	2.448e-09	-1.830e-09	-2.580e-09	4.488e-09	3.825e-10	-1.856e-10
##	217	218	219	220	221	222
##	-4.763e-09	2.061e-09	1.641e-09	1.166e-09	-3.315e-09	3.611e-09
##	223	224	225	226	227	228
##	-6.492e-10	-1.385e-09	1.751e-09	1.233e-09	-3.299e-09	-3.761e-10
##	229	230	231	232	233	234
##	2.072e-09	2.647e-10	-1.584e-09	4.560e-09	-3.645e-09	-1.208e-11
##	235	236	237	238	239	240
##	7.616e-10	2.746e-09	4.506e-09	3.143e-09	-3.639e-09	-3.323e-10
##	241	242	243	244	245	246
##	1.120e-11	-3.516e-09	9.973e-11	1.152e-10	4.597e-09	-1.781e-10
##	247	248	249	250	251	252
##	1.597e-10	-5.778e-10	6.439e-10	2.050e-10	-9.785e-10	3.404e-09
##	253	254	255	256	257	258
##	-2.156e-09	-2.921e-09	1.479e-09	-3.837e-10	2.647e-09	-4.819e-09
##	259	260	261	262	263	264
##	-1.718e-10	1.902e-09	1.083e-09	-2.969e-09	2.269e-09	9.358e-11
##	265	266	267	268	269	270
##	6.458e-10	-7.487e-10	-1.716e-09	1.706e-09	2.002e-09	1.700e-10
##	271	272	273	274	275	276
##	1.512e-10	-1.035e-09	-1.523e-11	9.998e-10	1.069e-09	7.086e-11
##	277	278	279	280	281	282
##	1.407e-09	1.278e-10	-4.296e-09	2.693e-09	-1.276e-09	2.479e-09
##	283	284	285	286	287	288
##	-1.127e-09	-9.635e-10	7.422e-11	1.074e-09	1.120e-10	1.689e-10
##	289	290	291	292	293	294
##	-1.299e-09	-3.473e-10	8.063e-10	2.171e-09	-2.299e-09	1.379e-10
##	295	296	297	298	299	300
##	-1.462e-09	-2.972e-11	5.587e-09	-4.051e-09	1.239e-09	2.554e-10
##	301	302	303	304	305	306
##	7.052e-11	1.033e-11	2.813e-09	6.476e-11	-9.345e-10	3.240e-11
##	307	308	309	310	311	312
##	1.205e-10	4.030e-10	1.535e-10	2.263e-11	2.856e-09	1.215e-10
##	313	314	315	316	317	318
##	1.481e-10	-3.339e-10	-7.302e-09	1.158e-10	1.336e-10	8.366e-11
##	319	320	321	322	323	324
##	1.317e-10	5.500e-09	-3.821e-09	3.017e-10	3.045e-11	1.930e-09
##	325	326	327	328	329	330
##	3.900e-11	-1.185e-09	7.418e-10	3.289e-11	3.947e-10	-1.503e-09
##	331	332	333	334	335	336
##	4.361e-09	-5.085e-09	4.362e-09	-1.105e-09	-3.198e-09	2.456e-09
##	337	338	339	340	341	342
##	-3.255e-10	4.358e-11	7.269e-10	-8.366e-10	1.754e-09	6.993e-11
##	343	344	345	346	347	348
##	8.027e-10	-1.157e-09	6.471e-10	9.099e-11	8.793e-11	-2.802e-11
##	349	350	351	352	353	354
##	3.388e-10	-3.620e-10	-5.196e-10	5.442e-10	-1.086e-09	1.882e-11
##	355	356	357	358	359	360
##	3.517e-09	1.711e-09	3.453e-10	-4.923e-09	-3.371e-10	1.714e-09
##	361	362	363	364	365	366

##	2.762e-12	1.304e-10	-2.154e-09	3.291e-09	-2.657e-09	2.702e-09
##	367	368	369	370	371	372
##	8.479e-11	-1.685e-09	1.475e-10	8.466e-11	-1.022e-09	1.537e-10
##	373	374	375	376	377	378
##	2.355e-10	8.458e-11	1.148e-09	-1.257e-09	2.812e-11	1.643e-09
##	379	380	381	382	383	384
##	-7.599e-10	1.343e-10	2.127e-09	-4.217e-09	7.107e-10	2.201e-09
##	385	386	387	388	389	390
##	-1.808e-10	1.885e-10	2.573e-09	-3.821e-09	1.051e-09	-1.534e-09
##	391	392	393	394	395	396
##	3.871e-09	6.431e-11	-1.448e-09	9.891e-11	-2.735e-09	1.009e-10
##	397	398	399	400	401	402
##	2.909e-09	9.295e-10	1.331e-10	-1.202e-09	-2.350e-10	4.854e-09
##	403	404	405	406	407	408
##	-5.546e-09	2.879e-09	-1.450e-09	1.112e-10	1.399e-10	-9.004e-10
##	409	410	411	412	413	414
##	3.960e-11	9.351e-10	1.188e-09	-1.505e-10	1.053e-10	1.853e-10
##	415	416	417	418	419	420
##	2.805e-10	-9.062e-11	1.548e-10	1.240e-10	3.840e-11	-2.269e-09
##	421	422	423	424	425	426
##	-8.745e-10	2.820e-09	7.346e-11	-1.145e-09	4.580e-10	-9.288e-10
##	427	428	429	430	431	432
##	-1.713e-09	6.173e-09	-4.283e-10	-3.226e-09	-1.777e-09	3.759e-10
##	433	434	435	436	437	438
##	3.272e-09	-1.108e-09	-1.611e-09	6.261e-09	-6.859e-10	-4.179e-09
##	439	440	441	442	443	444
##	2.525e-10	1.478e-09	-9.453e-10	2.373e-09	2.484e-10	-3.311e-09
##	445	446	447	448	449	450
##	3.926e-10	5.431e-10	5.472e-11	-2.743e-09	3.875e-09	-6.299e-11
##	451	452	453	454	455	456
##	-1.564e-09	-1.468e-10	-1.729e-10	-2.135e-09	1.623e-10	8.713e-11
##	457	458	459	460	461	462
##	4.369e-09	-1.129e-10	-1.085e-09	4.664e-10	1.951e-10	3.493e-10
##	463	464	465	466	467	468
##	-1.792e-09	2.977e-10	-2.043e-09	5.114e-09	-2.989e-09	6.414e-12
##	469	470	471	472	473	474
##	2.304e-10	-1.600e-09	1.429e-09	4.159e-11	9.546e-10	2.518e-10
##	475	476	477	478	479	480
##	4.140e-09	-2.368e-11	-4.759e-09	-1.253e-10	-1.323e-09	9.269e-11
##	481	482	483	484	485	486
##	-4.160e-10	1.205e-09	-5.980e-10	1.611e-10	4.145e-11	4.523e-10
##	487	488	489	490	491	492
##	2.223e-09	1.925e-11	-9.275e-11	-2.007e-09	6.597e-11	-2.302e-10
##	493	494	495	496	497	498
##	-1.188e-09	5.856e-09	-2.453e-09	-2.953e-10	-3.553e-09	2.418e-10
##	499	500	501	502	503	504
##	4.926e-09	-3.271e-09	2.334e-10	1.816e-09	1.132e-10	1.504e-09
##	505	506	507	508	509	510
##	-1.521e-09	3.255e-11	-8.076e-12	-1.239e-09	1.342e-09	4.269e-09
##	511	512	513	514	515	516
##	-4.693e-09	1.383e-09	-3.950e-09	2.197e-09	1.810e-10	-4.773e-10
##	517	518	519	520	521	522
##	1.995e-09	6.999e-10	-3.971e-11	-3.482e-09	-1.094e-10	5.959e-09
##	523	524	525	526	527	528

##	9.922e-10	-4.761e-09	-6.088e-11	-9.039e-10	5.303e-09	-4.022e-09
##	529	530	531	532	533	534
##	1.640e-09	-4.189e-09	1.402e-09	3.703e-09	-3.784e-09	1.279e-10
##	535	536	537	538	539	540
##	1.504e-09	1.805e-09	2.230e-10	-4.560e-09	1.766e-10	6.639e-09
##	541	542	543	544	545	546
##	-7.033e-09	5.978e-09	-3.904e-10	1.198e-09	1.889e-09	7.573e-12
##	547	548	549	550	551	552
##	2.655e-10	-7.789e-09	4.860e-09	-1.165e-09	7.041e-11	1.466e-09
##	553	554	555	556	557	558
##	2.342e-10	2.306e-10	-2.599e-09	-1.774e-09	3.289e-09	8.463e-10
##	559	560	561	562	563	564
##	2.096e-09	-6.366e-10	-1.583e-10	2.618e-10	-4.111e-09	3.173e-10
##	565	566	567	568	569	570
##	5.228e-10	1.874e-09	-1.146e-09	8.216e-11	-6.350e-11	-7.718e-10
##	571	572	573	574	575	576
##	-2.471e-10	4.471e-09	-2.538e-09	1.701e-09	-1.702e-09	-1.556e-09
##	577	578	579	580	581	582
##	1.323e-10	-1.064e-09	1.100e-10	4.428e-09	-3.617e-09	2.458e-11
##	583	584	585	586	587	588
##	4.138e-09	-3.408e-09	4.373e-09	-3.231e-09	4.484e-09	-3.203e-09
##	589	590	591	592	593	594
##	2.530e-10	9.492e-11	-1.379e-10	-6.226e-11	3.383e-09	-6.120e-10
##	595	596	597	598	599	600
##	-1.179e-09	8.837e-10	-6.522e-11	-2.887e-09	2.847e-09	1.570e-10
##	601	602	603	604	605	606
##	-7.395e-10	-1.564e-09	-1.722e-09	1.208e-09	-7.025e-10	-2.159e-10
##	607	608	609	610	611	612
##	-2.348e-09	-1.401e-10	2.618e-09	-1.643e-10	2.432e-09	6.057e-10
##	613	614	615	616	617	618
##	-4.273e-12	-3.655e-09	6.369e-10	1.870e-10	-1.062e-09	3.424e-09
##	619	620	621	622	623	624
##	3.168e-10	-2.117e-10	-2.626e-09	2.600e-10	1.912e-10	1.559e-10
##	625	626	627	628	629	630
##	1.949e-10	-3.576e-10	-1.712e-09	-3.096e-10	1.885e-09	2.358e-11
##	631	632	633	634	635	636
##	3.265e-09	8.294e-10	-1.674e-09	-6.084e-11	-2.039e-09	4.350e-09
##	637	638	639	640	641	642
##	-4.893e-10	-1.818e-09	-8.456e-10	2.090e-10	-6.647e-10	-1.374e-09
##	643	644	645	646	647	648
##	2.130e-09	2.156e-09	-2.001e-09	1.574e-09	1.651e-09	1.762e-09
##	649	650	651	652	653	654
##	-2.761e-09	1.244e-10	1.007e-09	-7.470e-09	-5.923e-10	7.676e-09
##	655	656	657	658	659	660
##	-8.013e-09	-1.312e-09	6.745e-09	4.374e-09	-1.600e-10	-6.132e-10
##	661	662	663	664	665	666
##	-1.223e-09	6.188e-11	-5.169e-09	-1.246e-09	-1.520e-10	2.744e-09
##	667	668	669	670	671	672
##	2.318e-11	-1.021e-11	7.408e-10	-1.156e-10	-1.228e-09	3.873e-09
##	673	674	675	676	677	678
##	2.353e-10	-4.343e-09	5.688e-10	-7.045e-11	7.606e-09	-1.610e-09
##	679	680	681	682	683	684
##	5.960e-12	-5.097e-09	-1.851e-10	3.264e-10	7.673e-09	-4.420e-10
##	685	686	687	688	689	690

##	6.399e-11	-9.145e-09	-4.181e-11	9.761e-09	6.017e-10	-2.089e-09
##	691	692	693	694	695	696
##	-5.465e-09	-9.836e-10	4.439e-09	1.765e-11	3.969e-09	5.485e-10
##	697	698	699	700	701	702
##	-9.956e-09	1.221e-10	9.621e-09	1.601e-11	5.982e-10	-3.970e-09
##	703	704	705	706	707	708
##	-7.960e-11	-3.603e-10	-2.492e-09	1.510e-11	3.025e-10	-1.656e-09
##	709	710	711	712	713	714
##	1.912e-09	6.208e-09	2.584e-10	-1.270e-09	1.231e-10	-4.891e-09
##	715	716	717	718	719	720
##	5.918e-09	-7.131e-09	2.894e-09	1.098e-10	-4.743e-09	2.550e-10
##	721	722	723	724	725	726
##	1.105e-10	6.707e-09	1.781e-09	-4.563e-09	-3.776e-09	5.968e-09
##	727	728	729	730	731	732
##	3.253e-10	1.923e-09	-5.085e-09	3.729e-09	5.796e-09	-9.566e-09
##	733	734	735	736	737	738
##	-2.363e-09	6.643e-09	2.101e-11	-8.528e-09	7.314e-09	4.351e-10
##	739	740	741	742	743	744
##	4.473e-10	3.007e-10	-4.761e-11	-6.495e-10	-1.568e-09	6.074e-09
##	745	746	747	748	749	750
##	-2.338e-09	4.709e-09	-4.456e-09	1.667e-09	3.351e-10	-1.055e-08
##	751	752	753	754	755	756
##	1.102e-08	-3.945e-11	-4.185e-10	-1.718e-09	3.940e-09	-8.390e-11
##	757	758	759	760	761	762
##	-1.241e-09	-5.098e-09	-1.133e-09	3.833e-09	9.341e-10	6.044e-09
##	763	764	765	766	767	768
##	-5.808e-09	-2.079e-09	1.753e-10	4.604e-09	6.620e-10	-4.715e-09
##	769	770	771	772	773	774
##	-2.733e-09	-3.064e-10	2.659e-09	1.269e-09	-1.849e-10	2.314e-09
##	775	776	777	778	779	780
##	-4.120e-09	5.664e-09	-2.035e-10	1.029e-10	3.264e-11	1.318e-09
##	781	782	783	784	785	786
##	-2.901e-09	-2.739e-11	3.355e-09	-1.580e-10	2.621e-10	3.219e-09
##	787	788	789	790	791	792
##	-6.112e-09	-8.042e-11	-3.819e-10	6.237e-10	3.950e-09	2.861e-09
##	793	794	795	796	797	798
##	-8.353e-09	4.607e-09	-1.413e-09	-1.853e-10	-5.224e-09	7.698e-09
##	799	800	801	802	803	804
##	-3.618e-09	-3.172e-10	-5.629e-09	1.042e-09	-2.487e-10	2.585e-09
##	805	806	807	808	809	810
##	5.548e-09	3.617e-11	-4.499e-09	-4.314e-09	5.276e-09	-1.185e-09
##	811	812	813	814	815	816
##	8.766e-09	-4.979e-11	1.882e-10	1.544e-10	-8.194e-09	1.561e-10
##	817	818	819	820	821	822
##	1.282e-09	-1.553e-09	5.350e-10	6.756e-09	-3.780e-09	5.780e-10
##	823	824	825	826	827	828
##	-3.539e-09	9.928e-09	-1.225e-09	2.186e-09	-3.374e-09	-1.814e-09
##	829	830	831	832	833	834
##	8.867e-11	2.104e-09	-5.446e-09	3.259e-09	6.517e-11	5.212e-09
##	835	836	837	838	839	840
##	-3.254e-09	-5.985e-09	-2.748e-10	-2.617e-09	3.554e-09	1.741e-09
##	841	842	843	844	845	846
##	-1.622e-09	3.027e-09	-1.059e-09	-1.599e-10	-4.351e-09	6.690e-09
##	847	848	849	850	851	852

```

## -8.689e-09  9.215e-09 -6.391e-09  7.385e-10  1.076e-08 -6.143e-09
##      853      854      855      856      857      858
##  2.931e-10  5.281e-09  3.150e-10 -1.141e-09  2.851e-09 -2.576e-09
##      859      860      861      862      863      864
## -3.453e-09  1.265e-10  1.800e-10 -4.607e-09  7.368e-09  2.015e-10
##      865      866      867      868      869      870
## -4.365e-09 -2.066e-09  1.410e-10  5.859e-10 -3.120e-10  4.571e-09
##      871      872      873      874      875      876
##  5.405e-10  3.535e-09 -6.712e-09  6.950e-10  7.435e-09  2.593e-10
##      877      878      879      880      881      882
## -5.087e-09 -6.843e-10 -3.518e-10 -9.388e-11  7.102e-09 -4.657e-11
##      883      884      885      886      887      888
##  6.749e-10 -9.631e-09  2.969e-10 -6.320e-09 -3.192e-09 -2.271e-09
##      889      890      891      892      893      894
##  1.151e-09  1.856e-09 -4.875e-11  1.036e-09  4.397e-09 -2.945e-09
##      895      896      897      898      899      900
## -6.902e-09  5.835e-09 -2.755e-09 -1.522e-09  8.035e-10  2.608e-09
##      901      902      903      904      905      906
## -6.640e-10 -1.813e-09  2.421e-10  6.660e-10  3.180e-09 -1.465e-09
##      907      908      909      910      911      912
## -8.035e-11  4.697e-09 -3.287e-09 -9.853e-09  5.310e-10 -4.519e-10
##      913      914      915      916      917      918
##  8.445e-09  4.291e-09  2.339e-10  3.002e-09  8.698e-11  6.319e-09
##      919      920      921      922      923      924
## -4.200e-10 -2.019e-08 -6.827e-09  1.942e-08  7.830e-10  4.391e-10
##      925      926      927      928      929      930
## -9.318e-09  9.753e-11  1.604e-08 -2.254e-09 -1.823e-10  9.082e-09
##      931      932      933      934      935      936
## -3.906e-09 -1.078e-08 -5.069e-11  3.495e-09  7.838e-10  1.578e-09
##      937      938      939      940      941      942
## -7.395e-09 -4.754e-09 -8.558e-09  1.045e-08  1.242e-08 -1.704e-10
##      943      944      945      946      947      948
## -1.556e-08  1.201e-08 -7.916e-09 -1.465e-09  2.148e-09 -1.006e-08
##      949      950      951      952      953      954
## -9.922e-08 -3.180e-06  1.770e-04 -1.148e-04  1.287e+12 -1.287e+12
##      955      956      957      958      959      960
##  2.310e-04  9.498e-08  7.842e-05 -4.365e-05  1.739e-05 -4.365e-05
##      961      962      963      964      965      966
##  1.739e-05 -4.365e-05 -4.365e-05  7.842e-05  1.739e-05 -1.047e-04
##      967      968      969      970      971      972
## -4.365e-05 -1.047e-04 -4.365e-05 -1.047e-04 -4.365e-05 -1.047e-04
##      973      974      975      976      977      978
## -4.365e-05 -1.047e-04 -1.657e-04 -4.365e-05 -4.365e-05 -1.047e-04
##      979      980      981      982      983      984
## -1.657e-04 -1.047e-04 -4.365e-05 -1.657e-04 -1.047e-04 -1.657e-04
##      985      986      987      988      989      990
## -2.268e-04 -2.268e-04 -2.268e-04  1.739e-05 -2.268e-04 -3.488e-04
##      991      992      993      994      995      996
## -2.268e-04 -4.709e-04 -3.488e-04 -2.268e-04 -1.047e-04 -2.268e-04
##      997      998      999
## -2.268e-04  5.022e-03 -2.268e-04
##
## Coefficients: (1 not defined because of singularities)
##                                     Estimate Std. Error t value

```

## (Intercept)	6.097e+14	1.819e+12	335.072
## Connect	-3.746e+10	2.573e+12	-0.015
## Timestamp2016-01-23T03:26:11.679Z	3.692e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:26:11.682Z	3.692e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:26:13.594Z	3.746e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:13.597Z	3.746e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:15.115Z	-5.437e+12	2.573e+12	-2.113
## Timestamp2016-01-23T03:26:15.119Z	-5.437e+12	2.573e+12	-2.113
## Timestamp2016-01-23T03:26:15.733000Z	-3.512e+12	2.573e+12	-1.365
## Timestamp2016-01-23T03:26:16.675Z	-3.512e+12	2.573e+12	-1.365
## Timestamp2016-01-23T03:26:16.679Z	-3.512e+12	2.573e+12	-1.365
## Timestamp2016-01-23T03:26:19.737Z	3.746e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:19.741Z	3.746e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:20.286Z	-4.513e+12	2.573e+12	-1.754
## Timestamp2016-01-23T03:26:20.289Z	-4.513e+12	2.573e+12	-1.754
## Timestamp2016-01-23T03:26:20.308000Z	-7.359e+12	2.573e+12	-2.860
## Timestamp2016-01-23T03:26:20.902Z	-4.501e+11	2.573e+12	-0.175
## Timestamp2016-01-23T03:26:20.906Z	-4.501e+11	2.573e+12	-0.175
## Timestamp2016-01-23T03:26:20.985Z	-7.359e+12	2.573e+12	-2.860
## Timestamp2016-01-23T03:26:20.989Z	-7.359e+12	2.573e+12	-2.860
## Timestamp2016-01-23T03:26:21.584000Z	-7.889e+12	2.573e+12	-3.066
## Timestamp2016-01-23T03:26:22.517Z	-7.889e+12	2.573e+12	-3.066
## Timestamp2016-01-23T03:26:22.521Z	-7.889e+12	2.573e+12	-3.066
## Timestamp2016-01-23T03:26:23.468Z	3.746e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:23.474Z	3.746e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:24.771Z	3.746e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:24.776Z	3.746e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:27.270000Z	7.706e+08	2.573e+12	0.000
## Timestamp2016-01-23T03:26:28.171Z	7.706e+08	2.573e+12	0.000
## Timestamp2016-01-23T03:26:28.176Z	7.706e+08	2.573e+12	0.000
## Timestamp2016-01-23T03:26:30.325Z	3.666e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:26:30.329Z	3.666e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:26:32.558Z	3.744e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:32.561Z	3.744e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:33.166Z	-1.640e+12	2.573e+12	-0.637
## Timestamp2016-01-23T03:26:33.169Z	-1.640e+12	2.573e+12	-0.637
## Timestamp2016-01-23T03:26:34.597000Z	3.750e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:39.546000Z	3.750e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:46.119000Z	3.751e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:26:47.523000Z	-7.315e+12	2.573e+12	-2.843
## Timestamp2016-01-23T03:26:48.434Z	-7.847e+12	2.573e+12	-3.050
## Timestamp2016-01-23T03:26:48.439Z	-7.847e+12	2.573e+12	-3.050
## Timestamp2016-01-23T03:26:49.848Z	-7.315e+12	2.573e+12	-2.843
## Timestamp2016-01-23T03:26:49.852Z	-7.315e+12	2.573e+12	-2.843
## Timestamp2016-01-23T03:26:51.430Z	-6.649e+12	2.573e+12	-2.584
## Timestamp2016-01-23T03:26:51.434Z	-6.649e+12	2.573e+12	-2.584
## Timestamp2016-01-23T03:26:51.854Z	-1.640e+12	2.573e+12	-0.637
## Timestamp2016-01-23T03:26:51.859Z	-1.640e+12	2.573e+12	-0.637
## Timestamp2016-01-23T03:26:52.525000Z	-7.532e+12	2.573e+12	-2.927
## Timestamp2016-01-23T03:26:53.471Z	-7.532e+12	2.573e+12	-2.927
## Timestamp2016-01-23T03:26:53.476Z	-7.532e+12	2.573e+12	-2.927
## Timestamp2016-01-23T03:26:57.598Z	-7.492e+11	2.573e+12	-0.291
## Timestamp2016-01-23T03:26:57.602Z	-7.492e+11	2.573e+12	-0.291
## Timestamp2016-01-23T03:26:58.104000Z	-3.897e+12	2.573e+12	-1.515

```

## Timestamp2016-01-23T03:26:58.239000Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:26:59.463Z -4.965e+12 2.573e+12 -1.930
## Timestamp2016-01-23T03:26:59.467Z -4.965e+12 2.573e+12 -1.930
## Timestamp2016-01-23T03:27:01.514000Z 3.751e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:02.512Z -3.897e+12 2.573e+12 -1.515
## Timestamp2016-01-23T03:27:02.530Z -3.897e+12 2.573e+12 -1.515
## Timestamp2016-01-23T03:27:04.341Z -4.567e+12 2.573e+12 -1.775
## Timestamp2016-01-23T03:27:04.344Z -4.567e+12 2.573e+12 -1.775
## Timestamp2016-01-23T03:27:04.740000Z 3.751e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:13.423000Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:16.107000Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:17.966Z -7.751e+12 2.573e+12 -3.012
## Timestamp2016-01-23T03:27:17.971Z -7.751e+12 2.573e+12 -3.012
## Timestamp2016-01-23T03:27:18.598000Z 7.201e+09 2.573e+12 0.003
## Timestamp2016-01-23T03:27:19.714Z 7.201e+09 2.573e+12 0.003
## Timestamp2016-01-23T03:27:19.719Z 7.201e+09 2.573e+12 0.003
## Timestamp2016-01-23T03:27:22.047Z 3.692e+10 2.573e+12 0.014
## Timestamp2016-01-23T03:27:22.050Z 3.692e+10 2.573e+12 0.014
## Timestamp2016-01-23T03:27:22.714000Z -3.293e+12 2.573e+12 -1.280
## Timestamp2016-01-23T03:27:24.160Z -3.293e+12 2.573e+12 -1.280
## Timestamp2016-01-23T03:27:24.170Z -3.293e+12 2.573e+12 -1.280
## Timestamp2016-01-23T03:27:24.236Z -4.874e+12 2.573e+12 -1.894
## Timestamp2016-01-23T03:27:24.240Z -4.874e+12 2.573e+12 -1.894
## Timestamp2016-01-23T03:27:24.723000Z -8.157e+11 2.573e+12 -0.317
## Timestamp2016-01-23T03:27:26.926Z -8.157e+11 2.573e+12 -0.317
## Timestamp2016-01-23T03:27:26.932Z -8.157e+11 2.573e+12 -0.317
## Timestamp2016-01-23T03:27:28.534Z -7.353e+12 2.573e+12 -2.858
## Timestamp2016-01-23T03:27:28.540Z -7.353e+12 2.573e+12 -2.858
## Timestamp2016-01-23T03:27:29.237Z -3.979e+12 2.573e+12 -1.546
## Timestamp2016-01-23T03:27:29.241Z -3.979e+12 2.573e+12 -1.546
## Timestamp2016-01-23T03:27:29.918000Z -3.603e+12 2.573e+12 -1.400
## Timestamp2016-01-23T03:27:30.449000Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:31.015000Z -7.099e+12 2.573e+12 -2.759
## Timestamp2016-01-23T03:27:31.124Z -3.603e+12 2.573e+12 -1.400
## Timestamp2016-01-23T03:27:31.164Z -3.603e+12 2.573e+12 -1.400
## Timestamp2016-01-23T03:27:31.853Z -7.099e+12 2.573e+12 -2.759
## Timestamp2016-01-23T03:27:31.873Z -7.099e+12 2.573e+12 -2.759
## Timestamp2016-01-23T03:27:32.170000Z -6.592e+12 2.573e+12 -2.562
## Timestamp2016-01-23T03:27:33.199Z -6.592e+12 2.573e+12 -2.562
## Timestamp2016-01-23T03:27:33.204Z -6.592e+12 2.573e+12 -2.562
## Timestamp2016-01-23T03:27:36.570000Z -7.247e+12 2.573e+12 -2.816
## Timestamp2016-01-23T03:27:36.739000Z -6.331e+12 2.573e+12 -2.460
## Timestamp2016-01-23T03:27:37.001000Z -2.175e+11 2.573e+12 -0.085
## Timestamp2016-01-23T03:27:37.630Z -4.567e+12 2.573e+12 -1.775
## Timestamp2016-01-23T03:27:37.634Z -4.567e+12 2.573e+12 -1.775
## Timestamp2016-01-23T03:27:37.699Z -6.331e+12 2.573e+12 -2.460
## Timestamp2016-01-23T03:27:37.703Z -6.331e+12 2.573e+12 -2.460
## Timestamp2016-01-23T03:27:37.801Z -7.247e+12 2.573e+12 -2.816
## Timestamp2016-01-23T03:27:37.806Z -7.247e+12 2.573e+12 -2.816
## Timestamp2016-01-23T03:27:38.309Z -1.265e+12 2.573e+12 -0.492
## Timestamp2016-01-23T03:27:38.314Z -1.265e+12 2.573e+12 -0.492
## Timestamp2016-01-23T03:27:40.622000Z -5.647e+12 2.573e+12 -2.195
## Timestamp2016-01-23T03:27:41.633Z -5.647e+12 2.573e+12 -2.195
## Timestamp2016-01-23T03:27:41.637Z -5.647e+12 2.573e+12 -2.195

```



```

## Timestamp2016-01-23T03:27:42.249000Z 3.751e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:46.733000Z 3.753e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:47.277Z -5.323e+12 2.573e+12 -2.069
## Timestamp2016-01-23T03:27:47.281Z -5.323e+12 2.573e+12 -2.069
## Timestamp2016-01-23T03:27:47.906Z -5.529e+10 2.573e+12 -0.021
## Timestamp2016-01-23T03:27:47.910Z -5.529e+10 2.573e+12 -0.021
## Timestamp2016-01-23T03:27:51.771000Z 3.753e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:54.652Z -4.372e+12 2.573e+12 -1.699
## Timestamp2016-01-23T03:27:54.656Z -4.372e+12 2.573e+12 -1.699
## Timestamp2016-01-23T03:27:56.384Z 3.751e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:56.389Z 3.751e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:57.664000Z 3.753e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:27:59.656000Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:28:04.644000Z 3.754e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:28:06.218000Z -1.091e+12 2.573e+12 -0.424
## Timestamp2016-01-23T03:28:07.257Z -1.091e+12 2.573e+12 -0.424
## Timestamp2016-01-23T03:28:07.261Z -1.091e+12 2.573e+12 -0.424
## Timestamp2016-01-23T03:28:08.771Z -4.411e+12 2.573e+12 -1.714
## Timestamp2016-01-23T03:28:08.787Z -4.411e+12 2.573e+12 -1.714
## Timestamp2016-01-23T03:28:14.858000Z -4.236e+12 2.573e+12 -1.646
## Timestamp2016-01-23T03:28:16.092Z -4.236e+12 2.573e+12 -1.646
## Timestamp2016-01-23T03:28:16.104Z -4.236e+12 2.573e+12 -1.646
## Timestamp2016-01-23T03:28:19.258000Z -5.688e+12 2.573e+12 -2.210
## Timestamp2016-01-23T03:28:19.914000Z -2.175e+11 2.573e+12 -0.085
## Timestamp2016-01-23T03:28:20.526Z -5.688e+12 2.573e+12 -2.210
## Timestamp2016-01-23T03:28:20.531Z -5.688e+12 2.573e+12 -2.210
## Timestamp2016-01-23T03:28:22.531000Z -7.681e+12 2.573e+12 -2.985
## Timestamp2016-01-23T03:28:23.276000Z -3.512e+12 2.573e+12 -1.365
## Timestamp2016-01-23T03:28:24.169Z -3.512e+12 2.573e+12 -1.365
## Timestamp2016-01-23T03:28:24.182Z -3.512e+12 2.573e+12 -1.365
## Timestamp2016-01-23T03:28:24.790Z -7.681e+12 2.573e+12 -2.985
## Timestamp2016-01-23T03:28:24.796Z -7.681e+12 2.573e+12 -2.985
## Timestamp2016-01-23T03:28:24.957Z -3.897e+12 2.573e+12 -1.515
## Timestamp2016-01-23T03:28:24.962Z -3.897e+12 2.573e+12 -1.515
## Timestamp2016-01-23T03:28:25.257000Z 3.755e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:28:26.522Z -7.461e+11 2.573e+12 -0.290
## Timestamp2016-01-23T03:28:26.548Z -7.461e+11 2.573e+12 -0.290
## Timestamp2016-01-23T03:28:27.973Z -5.130e+12 2.573e+12 -1.994
## Timestamp2016-01-23T03:28:27.979Z -5.130e+12 2.573e+12 -1.994
## Timestamp2016-01-23T03:28:31.693000Z -5.030e+12 2.573e+12 -1.955
## Timestamp2016-01-23T03:28:32.091Z -6.073e+12 2.573e+12 -2.360
## Timestamp2016-01-23T03:28:32.104Z -6.073e+12 2.573e+12 -2.360
## Timestamp2016-01-23T03:28:32.505Z -5.030e+12 2.573e+12 -1.955
## Timestamp2016-01-23T03:28:32.526Z -5.030e+12 2.573e+12 -1.955
## Timestamp2016-01-23T03:28:33.250Z -7.889e+12 2.573e+12 -3.066
## Timestamp2016-01-23T03:28:33.257Z -7.889e+12 2.573e+12 -3.066
## Timestamp2016-01-23T03:28:33.833000Z -3.421e+10 2.573e+12 -0.013
## Timestamp2016-01-23T03:28:34.521Z -3.421e+10 2.573e+12 -0.013
## Timestamp2016-01-23T03:28:34.526Z -3.421e+10 2.573e+12 -0.013
## Timestamp2016-01-23T03:28:37.965000Z -7.602e+12 2.573e+12 -2.954
## Timestamp2016-01-23T03:28:38.246Z -4.987e+12 2.573e+12 -1.938
## Timestamp2016-01-23T03:28:38.249Z -4.987e+12 2.573e+12 -1.938
## Timestamp2016-01-23T03:28:38.844Z -7.602e+12 2.573e+12 -2.954
## Timestamp2016-01-23T03:28:38.860Z -7.602e+12 2.573e+12 -2.954

```

## Timestamp2016-01-23T03:28:39.066Z	-3.512e+12	2.573e+12	-1.365
## Timestamp2016-01-23T03:28:39.073Z	-3.512e+12	2.573e+12	-1.365
## Timestamp2016-01-23T03:28:42.049Z	-6.512e+12	2.573e+12	-2.531
## Timestamp2016-01-23T03:28:42.067Z	-6.512e+12	2.573e+12	-2.531
## Timestamp2016-01-23T03:28:47.069000Z	3.756e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:28:47.250000Z	-3.916e+12	2.573e+12	-1.522
## Timestamp2016-01-23T03:28:48.224Z	-3.916e+12	2.573e+12	-1.522
## Timestamp2016-01-23T03:28:48.237Z	-3.916e+12	2.573e+12	-1.522
## Timestamp2016-01-23T03:28:48.555Z	-6.200e+12	2.573e+12	-2.410
## Timestamp2016-01-23T03:28:48.560Z	-6.200e+12	2.573e+12	-2.410
## Timestamp2016-01-23T03:28:54.637000Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:28:55.702Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:28:55.709Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:29:04.167000Z	3.755e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:29:04.179000Z	3.702e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:29:04.456000Z	-1.265e+12	2.573e+12	-0.492
## Timestamp2016-01-23T03:29:04.657Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:29:04.663Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:29:04.711000Z	-7.253e+12	2.573e+12	-2.819
## Timestamp2016-01-23T03:29:05.000000Z	-7.200e+11	2.573e+12	-0.280
## Timestamp2016-01-23T03:29:05.393Z	-1.265e+12	2.573e+12	-0.492
## Timestamp2016-01-23T03:29:05.397Z	-1.265e+12	2.573e+12	-0.492
## Timestamp2016-01-23T03:29:05.966Z	-7.200e+11	2.573e+12	-0.280
## Timestamp2016-01-23T03:29:05.970Z	-7.200e+11	2.573e+12	-0.280
## Timestamp2016-01-23T03:29:06.000Z	-7.889e+12	2.573e+12	-3.066
## Timestamp2016-01-23T03:29:06.005Z	-7.889e+12	2.573e+12	-3.066
## Timestamp2016-01-23T03:29:06.402Z	-7.253e+12	2.573e+12	-2.819
## Timestamp2016-01-23T03:29:06.406Z	-7.253e+12	2.573e+12	-2.819
## Timestamp2016-01-23T03:29:08.423Z	-3.768e+12	2.573e+12	-1.464
## Timestamp2016-01-23T03:29:08.427Z	-3.768e+12	2.573e+12	-1.464
## Timestamp2016-01-23T03:29:11.245Z	3.702e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:29:11.248Z	3.702e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:29:12.265000Z	3.751e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:29:14.752Z	-3.613e+12	2.573e+12	-1.404
## Timestamp2016-01-23T03:29:14.757Z	-3.613e+12	2.573e+12	-1.404
## Timestamp2016-01-23T03:29:14.801000Z	-4.311e+12	2.573e+12	-1.676
## Timestamp2016-01-23T03:29:15.032Z	-7.247e+12	2.573e+12	-2.816
## Timestamp2016-01-23T03:29:15.061Z	-7.247e+12	2.573e+12	-2.816
## Timestamp2016-01-23T03:29:15.565Z	-4.311e+12	2.573e+12	-1.676
## Timestamp2016-01-23T03:29:15.571Z	-4.311e+12	2.573e+12	-1.676
## Timestamp2016-01-23T03:29:16.613Z	3.755e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:29:16.625Z	3.755e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:29:21.098Z	-5.279e+12	2.573e+12	-2.052
## Timestamp2016-01-23T03:29:21.101Z	-5.279e+12	2.573e+12	-2.052
## Timestamp2016-01-23T03:29:21.462Z	-1.737e+12	2.573e+12	-0.675
## Timestamp2016-01-23T03:29:21.465Z	-1.737e+12	2.573e+12	-0.675
## Timestamp2016-01-23T03:29:21.571000Z	-2.706e+12	2.573e+12	-1.052
## Timestamp2016-01-23T03:29:22.455Z	-2.706e+12	2.573e+12	-1.052
## Timestamp2016-01-23T03:29:22.508Z	-2.706e+12	2.573e+12	-1.052
## Timestamp2016-01-23T03:29:24.561Z	-2.474e+12	2.573e+12	-0.962
## Timestamp2016-01-23T03:29:24.564Z	-2.474e+12	2.573e+12	-0.962
## Timestamp2016-01-23T03:29:25.525Z	-3.117e+11	2.573e+12	-0.121
## Timestamp2016-01-23T03:29:25.528Z	-3.117e+11	2.573e+12	-0.121
## Timestamp2016-01-23T03:29:27.069Z	-6.200e+12	2.573e+12	-2.410

## Timestamp2016-01-23T03:29:27.072Z	-6.200e+12	2.573e+12	-2.410
## Timestamp2016-01-23T03:29:27.190Z	-5.052e+12	2.573e+12	-1.963
## Timestamp2016-01-23T03:29:27.195Z	-5.052e+12	2.573e+12	-1.963
## Timestamp2016-01-23T03:29:27.533Z	3.718e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:29:27.537Z	3.718e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:29:31.056000Z	3.756e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:29:32.921Z	-1.265e+12	2.573e+12	-0.492
## Timestamp2016-01-23T03:29:32.924Z	-1.265e+12	2.573e+12	-0.492
## Timestamp2016-01-23T03:29:33.074Z	-7.602e+12	2.573e+12	-2.954
## Timestamp2016-01-23T03:29:33.078Z	-7.602e+12	2.573e+12	-2.954
## Timestamp2016-01-23T03:29:35.497Z	-3.897e+12	2.573e+12	-1.515
## Timestamp2016-01-23T03:29:35.502Z	-3.897e+12	2.573e+12	-1.515
## Timestamp2016-01-23T03:29:36.330819Z	1.004e+08	2.573e+12	0.000
## Timestamp2016-01-23T03:29:36.447Z	-3.587e+12	2.573e+12	-1.394
## Timestamp2016-01-23T03:29:36.468Z	-3.587e+12	2.573e+12	-1.394
## Timestamp2016-01-23T03:29:37.497Z	3.756e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:29:37.501Z	3.756e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:29:38.381Z	-4.311e+12	2.573e+12	-1.676
## Timestamp2016-01-23T03:29:38.386Z	-4.311e+12	2.573e+12	-1.676
## Timestamp2016-01-23T03:29:39.802000Z	-5.635e+12	2.573e+12	-2.190
## Timestamp2016-01-23T03:29:39.908178Z	4.942e+07	2.573e+12	0.000
## Timestamp2016-01-23T03:29:41.007Z	-5.635e+12	2.573e+12	-2.190
## Timestamp2016-01-23T03:29:41.012Z	-5.635e+12	2.573e+12	-2.190
## Timestamp2016-01-23T03:29:44.839000Z	-7.738e+12	2.573e+12	-3.007
## Timestamp2016-01-23T03:29:45.715Z	-7.738e+12	2.573e+12	-3.007
## Timestamp2016-01-23T03:29:45.720Z	-7.738e+12	2.573e+12	-3.007
## Timestamp2016-01-23T03:29:49.366000Z	-6.052e+12	2.573e+12	-2.352
## Timestamp2016-01-23T03:29:49.625Z	-6.331e+12	2.573e+12	-2.460
## Timestamp2016-01-23T03:29:49.629Z	-6.331e+12	2.573e+12	-2.460
## Timestamp2016-01-23T03:29:49.784000Z	3.758e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:29:50.566Z	-6.052e+12	2.573e+12	-2.352
## Timestamp2016-01-23T03:29:50.570Z	-6.052e+12	2.573e+12	-2.352
## Timestamp2016-01-23T03:29:50.894000Z	-5.243e+12	2.573e+12	-2.037
## Timestamp2016-01-23T03:29:52.067Z	-5.243e+12	2.573e+12	-2.037
## Timestamp2016-01-23T03:29:52.071Z	-5.243e+12	2.573e+12	-2.037
## Timestamp2016-01-23T03:29:55.117Z	-4.129e+12	2.573e+12	-1.605
## Timestamp2016-01-23T03:29:55.121Z	-4.129e+12	2.573e+12	-1.605
## Timestamp2016-01-23T03:29:55.584Z	3.702e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:29:55.588Z	3.702e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:29:56.259Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:29:56.265Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:29:56.986Z	-4.513e+12	2.573e+12	-1.754
## Timestamp2016-01-23T03:29:56.994Z	-4.513e+12	2.573e+12	-1.754
## Timestamp2016-01-23T03:29:57.581Z	1.896e+10	2.573e+12	0.007
## Timestamp2016-01-23T03:29:57.585Z	1.896e+10	2.573e+12	0.007
## Timestamp2016-01-23T03:29:57.978000Z	-1.772e+12	2.573e+12	-0.689
## Timestamp2016-01-23T03:30:01.454000Z	-5.617e+12	2.573e+12	-2.183
## Timestamp2016-01-23T03:30:02.610Z	-5.617e+12	2.573e+12	-2.183
## Timestamp2016-01-23T03:30:02.641Z	-5.617e+12	2.573e+12	-2.183
## Timestamp2016-01-23T03:30:04.504Z	3.751e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:04.510Z	3.751e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:08.770Z	3.755e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:08.774Z	3.755e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:10.552000Z	-7.707e+12	2.573e+12	-2.995

## Timestamp2016-01-23T03:30:10.896Z	-5.688e+12	2.573e+12	-2.210
## Timestamp2016-01-23T03:30:10.901Z	-5.688e+12	2.573e+12	-2.210
## Timestamp2016-01-23T03:30:11.282Z	-7.707e+12	2.573e+12	-2.995
## Timestamp2016-01-23T03:30:11.286Z	-7.707e+12	2.573e+12	-2.995
## Timestamp2016-01-23T03:30:14.937000Z	-1.808e+12	2.573e+12	-0.703
## Timestamp2016-01-23T03:30:15.718Z	-1.808e+12	2.573e+12	-0.703
## Timestamp2016-01-23T03:30:15.740Z	-1.808e+12	2.573e+12	-0.703
## Timestamp2016-01-23T03:30:16.736Z	3.756e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:16.739Z	3.756e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:17.120Z	7.201e+09	2.573e+12	0.003
## Timestamp2016-01-23T03:30:17.125Z	7.201e+09	2.573e+12	0.003
## Timestamp2016-01-23T03:30:21.899Z	-1.947e+12	2.573e+12	-0.757
## Timestamp2016-01-23T03:30:21.907Z	-1.947e+12	2.573e+12	-0.757
## Timestamp2016-01-23T03:30:27.283000Z	-7.722e+12	2.573e+12	-3.001
## Timestamp2016-01-23T03:30:28.122000Z	3.760e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:28.394Z	-7.722e+12	2.573e+12	-3.001
## Timestamp2016-01-23T03:30:28.399Z	-7.722e+12	2.573e+12	-3.001
## Timestamp2016-01-23T03:30:28.745Z	-5.617e+12	2.573e+12	-2.183
## Timestamp2016-01-23T03:30:28.750Z	-5.617e+12	2.573e+12	-2.183
## Timestamp2016-01-23T03:30:33.893Z	3.741e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:33.897Z	3.741e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:36.729000Z	-4.155e+12	2.573e+12	-1.615
## Timestamp2016-01-23T03:30:37.752000Z	-8.441e+11	2.573e+12	-0.328
## Timestamp2016-01-23T03:30:39.053Z	-4.129e+12	2.573e+12	-1.605
## Timestamp2016-01-23T03:30:39.056Z	-4.129e+12	2.573e+12	-1.605
## Timestamp2016-01-23T03:30:43.651Z	-8.441e+11	2.573e+12	-0.328
## Timestamp2016-01-23T03:30:43.698Z	-8.441e+11	2.573e+12	-0.328
## Timestamp2016-01-23T03:30:48.461Z	-1.947e+12	2.573e+12	-0.757
## Timestamp2016-01-23T03:30:48.472Z	-1.947e+12	2.573e+12	-0.757
## Timestamp2016-01-23T03:30:50.774000Z	-4.667e+12	2.573e+12	-1.814
## Timestamp2016-01-23T03:30:50.867000Z	3.761e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:51.718Z	-4.667e+12	2.573e+12	-1.814
## Timestamp2016-01-23T03:30:51.723Z	-4.667e+12	2.573e+12	-1.814
## Timestamp2016-01-23T03:30:53.572000Z	-7.287e+12	2.573e+12	-2.832
## Timestamp2016-01-23T03:30:54.438Z	-7.287e+12	2.573e+12	-2.832
## Timestamp2016-01-23T03:30:54.450Z	-7.287e+12	2.573e+12	-2.832
## Timestamp2016-01-23T03:30:54.522Z	-5.030e+12	2.573e+12	-1.955
## Timestamp2016-01-23T03:30:54.527Z	-5.030e+12	2.573e+12	-1.955
## Timestamp2016-01-23T03:30:54.877000Z	-6.186e+12	2.573e+12	-2.404
## Timestamp2016-01-23T03:30:55.375000Z	-2.084e+11	2.573e+12	-0.081
## Timestamp2016-01-23T03:30:55.785Z	-6.186e+12	2.573e+12	-2.404
## Timestamp2016-01-23T03:30:55.789Z	-6.186e+12	2.573e+12	-2.404
## Timestamp2016-01-23T03:30:55.790000Z	-2.706e+12	2.573e+12	-1.052
## Timestamp2016-01-23T03:30:55.987000Z	3.741e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:56.260Z	-2.084e+11	2.573e+12	-0.081
## Timestamp2016-01-23T03:30:56.280Z	-2.084e+11	2.573e+12	-0.081
## Timestamp2016-01-23T03:30:56.472Z	3.741e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:56.477Z	3.741e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:30:56.652Z	-2.706e+12	2.573e+12	-1.052
## Timestamp2016-01-23T03:30:56.655Z	-2.706e+12	2.573e+12	-1.052
## Timestamp2016-01-23T03:30:56.951000Z	-5.864e+10	2.573e+12	-0.023
## Timestamp2016-01-23T03:30:57.363000Z	-5.416e+12	2.573e+12	-2.105
## Timestamp2016-01-23T03:30:58.532Z	-5.416e+12	2.573e+12	-2.105
## Timestamp2016-01-23T03:30:58.535Z	-5.416e+12	2.573e+12	-2.105

```

## Timestamp2016-01-23T03:31:00.011000Z -6.102e+11 2.573e+12 -0.237
## Timestamp2016-01-23T03:31:01.252Z -6.102e+11 2.573e+12 -0.237
## Timestamp2016-01-23T03:31:01.257Z -6.102e+11 2.573e+12 -0.237
## Timestamp2016-01-23T03:31:01.766Z -5.355e+12 2.573e+12 -2.081
## Timestamp2016-01-23T03:31:01.797Z -5.355e+12 2.573e+12 -2.081
## Timestamp2016-01-23T03:31:02.261Z -5.616e+12 2.573e+12 -2.182
## Timestamp2016-01-23T03:31:02.276Z -5.616e+12 2.573e+12 -2.182
## Timestamp2016-01-23T03:31:05.655Z -3.293e+12 2.573e+12 -1.280
## Timestamp2016-01-23T03:31:05.658Z -3.293e+12 2.573e+12 -1.280
## Timestamp2016-01-23T03:31:06.618000Z 3.760e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:09.822Z -2.920e+12 2.573e+12 -1.135
## Timestamp2016-01-23T03:31:09.827Z -2.920e+12 2.573e+12 -1.135
## Timestamp2016-01-23T03:31:11.484000Z -7.757e+12 2.573e+12 -3.015
## Timestamp2016-01-23T03:31:12.164Z -7.757e+12 2.573e+12 -3.015
## Timestamp2016-01-23T03:31:12.170Z -7.757e+12 2.573e+12 -3.015
## Timestamp2016-01-23T03:31:15.261000Z 3.762e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:16.445000Z -5.291e+12 2.573e+12 -2.056
## Timestamp2016-01-23T03:31:16.803Z -1.808e+12 2.573e+12 -0.703
## Timestamp2016-01-23T03:31:16.806Z -1.808e+12 2.573e+12 -0.703
## Timestamp2016-01-23T03:31:17.472Z -3.203e+12 2.573e+12 -1.245
## Timestamp2016-01-23T03:31:17.475Z -3.203e+12 2.573e+12 -1.245
## Timestamp2016-01-23T03:31:18.610000Z -5.398e+12 2.573e+12 -2.098
## Timestamp2016-01-23T03:31:19.210000Z 3.735e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:19.340Z -5.580e+12 2.573e+12 -2.169
## Timestamp2016-01-23T03:31:19.371Z -5.580e+12 2.573e+12 -2.169
## Timestamp2016-01-23T03:31:19.682Z 3.760e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:19.686Z 3.760e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:19.825Z -5.398e+12 2.573e+12 -2.098
## Timestamp2016-01-23T03:31:19.829Z -5.398e+12 2.573e+12 -2.098
## Timestamp2016-01-23T03:31:20.298Z 3.735e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:20.301Z 3.735e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:25.491000Z 3.762e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:26.964000Z -9.221e+11 2.573e+12 -0.358
## Timestamp2016-01-23T03:31:27.623Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:27.626Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:28.002Z -9.221e+11 2.573e+12 -0.358
## Timestamp2016-01-23T03:31:28.006Z -9.221e+11 2.573e+12 -0.358
## Timestamp2016-01-23T03:31:28.099000Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:29.778Z -7.287e+12 2.573e+12 -2.832
## Timestamp2016-01-23T03:31:29.782Z -7.287e+12 2.573e+12 -2.832
## Timestamp2016-01-23T03:31:35.461Z -5.707e+12 2.573e+12 -2.218
## Timestamp2016-01-23T03:31:35.479Z -5.707e+12 2.573e+12 -2.218
## Timestamp2016-01-23T03:31:36.068Z -3.647e+12 2.573e+12 -1.417
## Timestamp2016-01-23T03:31:36.073Z -3.647e+12 2.573e+12 -1.417
## Timestamp2016-01-23T03:31:39.682000Z 3.751e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:40.821Z 3.751e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:40.826Z 3.751e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:42.007000Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:42.153000Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:44.027Z -7.757e+12 2.573e+12 -3.015
## Timestamp2016-01-23T03:31:44.030Z -7.757e+12 2.573e+12 -3.015
## Timestamp2016-01-23T03:31:44.338000Z -7.282e+12 2.573e+12 -2.830
## Timestamp2016-01-23T03:31:45.005Z -7.282e+12 2.573e+12 -2.830
## Timestamp2016-01-23T03:31:45.126Z -7.282e+12 2.573e+12 -2.830

```

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## Timestamp2016-01-23T03:31:45.348000Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:46.672Z -1.267e+12 2.573e+12 -0.492
## Timestamp2016-01-23T03:31:46.678Z -1.267e+12 2.573e+12 -0.492
## Timestamp2016-01-23T03:31:48.831Z -1.909e+12 2.573e+12 -0.742
## Timestamp2016-01-23T03:31:48.835Z -1.909e+12 2.573e+12 -0.742
## Timestamp2016-01-23T03:31:49.606000Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:53.410000Z -3.796e+12 2.573e+12 -1.475
## Timestamp2016-01-23T03:31:54.140Z -3.796e+12 2.573e+12 -1.475
## Timestamp2016-01-23T03:31:54.144Z -3.796e+12 2.573e+12 -1.475
## Timestamp2016-01-23T03:31:54.358000Z -5.713e+12 2.573e+12 -2.220
## Timestamp2016-01-23T03:31:55.351Z -5.713e+12 2.573e+12 -2.220
## Timestamp2016-01-23T03:31:55.358Z -5.713e+12 2.573e+12 -2.220
## Timestamp2016-01-23T03:31:56.193000Z -1.252e+12 2.573e+12 -0.487
## Timestamp2016-01-23T03:31:56.237Z 3.666e+10 2.573e+12 0.014
## Timestamp2016-01-23T03:31:56.241Z 3.666e+10 2.573e+12 0.014
## Timestamp2016-01-23T03:31:56.342000Z 3.761e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:57.116000Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:31:57.126Z -1.252e+12 2.573e+12 -0.487
## Timestamp2016-01-23T03:31:57.130Z -1.252e+12 2.573e+12 -0.487
## Timestamp2016-01-23T03:31:57.263000Z -5.975e+12 2.573e+12 -2.322
## Timestamp2016-01-23T03:31:58.632Z -5.975e+12 2.573e+12 -2.322
## Timestamp2016-01-23T03:31:58.638Z -5.975e+12 2.573e+12 -2.322
## Timestamp2016-01-23T03:32:02.457Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:02.471Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:03.502Z 3.760e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:03.531Z 3.760e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:06.039000Z 3.725e+10 2.573e+12 0.014
## Timestamp2016-01-23T03:32:06.279000Z 3.754e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:06.560Z -5.279e+12 2.573e+12 -2.052
## Timestamp2016-01-23T03:32:06.564Z -5.279e+12 2.573e+12 -2.052
## Timestamp2016-01-23T03:32:09.436Z -5.707e+12 2.573e+12 -2.218
## Timestamp2016-01-23T03:32:09.439Z -5.707e+12 2.573e+12 -2.218
## Timestamp2016-01-23T03:32:10.980334Z -9.373e+12 2.573e+12 -3.643
## Timestamp2016-01-23T03:32:11.378Z 3.754e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:11.381Z 3.754e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:13.197000Z -2.596e+12 2.573e+12 -1.009
## Timestamp2016-01-23T03:32:13.384000Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:13.758000Z -1.443e+12 2.573e+12 -0.561
## Timestamp2016-01-23T03:32:14.038Z -2.596e+12 2.573e+12 -1.009
## Timestamp2016-01-23T03:32:14.042Z -2.596e+12 2.573e+12 -1.009
## Timestamp2016-01-23T03:32:14.818Z -1.443e+12 2.573e+12 -0.561
## Timestamp2016-01-23T03:32:14.836Z -1.443e+12 2.573e+12 -0.561
## Timestamp2016-01-23T03:32:16.733000Z 3.762e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:19.725000Z -4.532e+12 2.573e+12 -1.761
## Timestamp2016-01-23T03:32:20.802Z -4.532e+12 2.573e+12 -1.761
## Timestamp2016-01-23T03:32:20.817Z -4.532e+12 2.573e+12 -1.761
## Timestamp2016-01-23T03:32:21.402000Z -1.772e+12 2.573e+12 -0.689
## Timestamp2016-01-23T03:32:23.410Z 3.735e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:23.414Z 3.735e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:23.866Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:23.872Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:32:26.194Z -4.148e+12 2.573e+12 -1.612
## Timestamp2016-01-23T03:32:26.205Z -4.148e+12 2.573e+12 -1.612
## Timestamp2016-01-23T03:32:26.834Z 3.762e+10 2.573e+12 0.015

```

## Timestamp2016-01-23T03:32:26.840Z	3.762e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:27.342000Z	-5.783e+11	2.573e+12	-0.225
## Timestamp2016-01-23T03:32:28.209Z	-5.783e+11	2.573e+12	-0.225
## Timestamp2016-01-23T03:32:28.214Z	-5.783e+11	2.573e+12	-0.225
## Timestamp2016-01-23T03:32:29.033000Z	-6.731e+12	2.573e+12	-2.616
## Timestamp2016-01-23T03:32:29.849Z	-6.731e+12	2.573e+12	-2.616
## Timestamp2016-01-23T03:32:29.853Z	-6.731e+12	2.573e+12	-2.616
## Timestamp2016-01-23T03:32:30.088Z	-3.264e+12	2.573e+12	-1.269
## Timestamp2016-01-23T03:32:30.093Z	-3.264e+12	2.573e+12	-1.269
## Timestamp2016-01-23T03:32:32.445000Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:33.199Z	-1.252e+12	2.573e+12	-0.487
## Timestamp2016-01-23T03:32:33.204Z	-1.252e+12	2.573e+12	-0.487
## Timestamp2016-01-23T03:32:34.520000Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:34.724Z	-2.643e+12	2.573e+12	-1.027
## Timestamp2016-01-23T03:32:34.738Z	-2.643e+12	2.573e+12	-1.027
## Timestamp2016-01-23T03:32:34.861Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:35.159Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:35.331Z	-5.713e+12	2.573e+12	-2.220
## Timestamp2016-01-23T03:32:35.336Z	-5.713e+12	2.573e+12	-2.220
## Timestamp2016-01-23T03:32:39.068000Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:39.259000Z	3.751e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:39.477Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:39.767Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:40.291Z	3.751e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:40.297Z	3.751e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:47.581Z	3.740e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:47.586Z	3.740e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:50.705000Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:50.743Z	-3.481e+12	2.573e+12	-1.353
## Timestamp2016-01-23T03:32:50.748Z	-3.481e+12	2.573e+12	-1.353
## Timestamp2016-01-23T03:32:53.853000Z	3.754e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:54.202Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:54.206Z	3.765e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:56.197Z	-6.824e+11	2.573e+12	-0.265
## Timestamp2016-01-23T03:32:56.316Z	-6.824e+11	2.573e+12	-0.265
## Timestamp2016-01-23T03:32:58.168000Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:59.129000Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:32:59.710Z	-5.536e+12	2.573e+12	-2.151
## Timestamp2016-01-23T03:32:59.715Z	-5.536e+12	2.573e+12	-2.151
## Timestamp2016-01-23T03:33:01.187Z	-5.860e+12	2.573e+12	-2.277
## Timestamp2016-01-23T03:33:01.193Z	-5.860e+12	2.573e+12	-2.277
## Timestamp2016-01-23T03:33:04.145Z	-5.417e+12	2.573e+12	-2.105
## Timestamp2016-01-23T03:33:04.149Z	-5.417e+12	2.573e+12	-2.105
## Timestamp2016-01-23T03:33:05.526000Z	-7.787e+12	2.573e+12	-3.026
## Timestamp2016-01-23T03:33:05.548000Z	-5.683e+12	2.573e+12	-2.209
## Timestamp2016-01-23T03:33:06.318Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:33:06.324Z	-7.627e+12	2.573e+12	-2.964
## Timestamp2016-01-23T03:33:06.337000Z	3.767e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:06.419Z	-5.472e+12	2.573e+12	-2.127
## Timestamp2016-01-23T03:33:06.422Z	-5.472e+12	2.573e+12	-2.127
## Timestamp2016-01-23T03:33:06.592Z	-5.683e+12	2.573e+12	-2.209
## Timestamp2016-01-23T03:33:06.598Z	-5.683e+12	2.573e+12	-2.209
## Timestamp2016-01-23T03:33:06.991000Z	-9.750e+11	2.573e+12	-0.379
## Timestamp2016-01-23T03:33:07.045Z	-7.787e+12	2.573e+12	-3.026

## Timestamp2016-01-23T03:33:07.049Z	-7.787e+12	2.573e+12	-3.026
## Timestamp2016-01-23T03:33:07.443000Z	-5.279e+12	2.573e+12	-2.052
## Timestamp2016-01-23T03:33:08.098Z	-9.750e+11	2.573e+12	-0.379
## Timestamp2016-01-23T03:33:08.103Z	-9.750e+11	2.573e+12	-0.379
## Timestamp2016-01-23T03:33:08.587Z	-5.279e+12	2.573e+12	-2.052
## Timestamp2016-01-23T03:33:08.591Z	-5.279e+12	2.573e+12	-2.052
## Timestamp2016-01-23T03:33:08.793000Z	-1.742e+12	2.573e+12	-0.677
## Timestamp2016-01-23T03:33:10.276Z	-1.742e+12	2.573e+12	-0.677
## Timestamp2016-01-23T03:33:10.282Z	-1.742e+12	2.573e+12	-0.677
## Timestamp2016-01-23T03:33:10.290000Z	-8.242e+11	2.573e+12	-0.320
## Timestamp2016-01-23T03:33:10.854000Z	3.767e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:11.909Z	-8.242e+11	2.573e+12	-0.320
## Timestamp2016-01-23T03:33:11.914Z	-8.242e+11	2.573e+12	-0.320
## Timestamp2016-01-23T03:33:15.711000Z	-3.426e+11	2.573e+12	-0.133
## Timestamp2016-01-23T03:33:16.392Z	-3.426e+11	2.573e+12	-0.133
## Timestamp2016-01-23T03:33:16.406Z	-3.426e+11	2.573e+12	-0.133
## Timestamp2016-01-23T03:33:17.679000Z	-6.652e+12	2.573e+12	-2.585
## Timestamp2016-01-23T03:33:17.877Z	-6.731e+12	2.573e+12	-2.616
## Timestamp2016-01-23T03:33:17.882Z	-6.731e+12	2.573e+12	-2.616
## Timestamp2016-01-23T03:33:17.926000Z	-6.938e+12	2.573e+12	-2.696
## Timestamp2016-01-23T03:33:18.904Z	-6.652e+12	2.573e+12	-2.585
## Timestamp2016-01-23T03:33:18.908Z	-6.652e+12	2.573e+12	-2.585
## Timestamp2016-01-23T03:33:19.929000Z	3.767e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:21.343000Z	-5.390e+12	2.573e+12	-2.095
## Timestamp2016-01-23T03:33:23.111Z	-5.390e+12	2.573e+12	-2.095
## Timestamp2016-01-23T03:33:23.115Z	-5.390e+12	2.573e+12	-2.095
## Timestamp2016-01-23T03:33:27.903Z	-7.787e+12	2.573e+12	-3.026
## Timestamp2016-01-23T03:33:27.908Z	-7.787e+12	2.573e+12	-3.026
## Timestamp2016-01-23T03:33:28.018000Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:29.524000Z	-5.398e+12	2.573e+12	-2.098
## Timestamp2016-01-23T03:33:31.611Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:31.616Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:35.513000Z	-6.876e+12	2.573e+12	-2.672
## Timestamp2016-01-23T03:33:36.324000Z	-6.308e+12	2.573e+12	-2.452
## Timestamp2016-01-23T03:33:37.168Z	-6.308e+12	2.573e+12	-2.452
## Timestamp2016-01-23T03:33:37.174Z	-6.308e+12	2.573e+12	-2.452
## Timestamp2016-01-23T03:33:38.136000Z	-4.678e+12	2.573e+12	-1.818
## Timestamp2016-01-23T03:33:39.019Z	-4.678e+12	2.573e+12	-1.818
## Timestamp2016-01-23T03:33:39.043Z	3.754e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:39.047Z	3.754e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:39.057Z	-4.678e+12	2.573e+12	-1.818
## Timestamp2016-01-23T03:33:39.072000Z	-2.136e+12	2.573e+12	-0.830
## Timestamp2016-01-23T03:33:39.146000Z	3.768e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:40.038Z	-2.136e+12	2.573e+12	-0.830
## Timestamp2016-01-23T03:33:40.053Z	-2.136e+12	2.573e+12	-0.830
## Timestamp2016-01-23T03:33:40.227000Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:44.432000Z	-3.439e+10	2.573e+12	-0.013
## Timestamp2016-01-23T03:33:45.145Z	-3.439e+10	2.573e+12	-0.013
## Timestamp2016-01-23T03:33:45.272Z	-3.439e+10	2.573e+12	-0.013
## Timestamp2016-01-23T03:33:45.940000Z	3.768e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:46.681Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:46.691Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:33:52.853Z	-7.242e+12	2.573e+12	-2.814
## Timestamp2016-01-23T03:33:52.857Z	-7.242e+12	2.573e+12	-2.814


```

## Timestamp2016-01-23T03:33:56.321000Z 3.769e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:33:56.995000Z 3.768e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:00.220000Z -7.142e+12 2.573e+12 -2.776
## Timestamp2016-01-23T03:34:00.868000Z -3.264e+11 2.573e+12 -0.127
## Timestamp2016-01-23T03:34:01.312Z 3.768e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:01.368Z 3.768e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:01.984Z -8.242e+11 2.573e+12 -0.320
## Timestamp2016-01-23T03:34:02.003Z -8.242e+11 2.573e+12 -0.320
## Timestamp2016-01-23T03:34:02.226Z -6.983e+12 2.573e+12 -2.714
## Timestamp2016-01-23T03:34:02.232Z -6.983e+12 2.573e+12 -2.714
## Timestamp2016-01-23T03:34:02.713Z -7.142e+12 2.573e+12 -2.776
## Timestamp2016-01-23T03:34:02.718Z -7.142e+12 2.573e+12 -2.776
## Timestamp2016-01-23T03:34:03.754Z -3.264e+11 2.573e+12 -0.127
## Timestamp2016-01-23T03:34:03.758Z -3.264e+11 2.573e+12 -0.127
## Timestamp2016-01-23T03:34:04.721Z -5.431e+12 2.573e+12 -2.111
## Timestamp2016-01-23T03:34:04.724Z -5.431e+12 2.573e+12 -2.111
## Timestamp2016-01-23T03:34:07.130Z 3.765e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:07.137Z 3.765e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:07.315Z 3.761e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:07.320Z 3.761e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:07.424000Z -2.706e+12 2.573e+12 -1.052
## Timestamp2016-01-23T03:34:08.058000Z 3.725e+10 2.573e+12 0.014
## Timestamp2016-01-23T03:34:08.237Z -5.536e+12 2.573e+12 -2.151
## Timestamp2016-01-23T03:34:08.240Z -5.536e+12 2.573e+12 -2.151
## Timestamp2016-01-23T03:34:08.248Z -2.706e+12 2.573e+12 -1.052
## Timestamp2016-01-23T03:34:08.254Z -2.706e+12 2.573e+12 -1.052
## Timestamp2016-01-23T03:34:08.397Z -4.532e+12 2.573e+12 -1.761
## Timestamp2016-01-23T03:34:08.403Z -4.532e+12 2.573e+12 -1.761
## Timestamp2016-01-23T03:34:09.416Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:09.427Z 3.741e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:10.620Z -2.136e+12 2.573e+12 -0.830
## Timestamp2016-01-23T03:34:10.623Z -2.136e+12 2.573e+12 -0.830
## Timestamp2016-01-23T03:34:12.712000Z 3.769e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:16.491Z -7.787e+12 2.573e+12 -3.026
## Timestamp2016-01-23T03:34:16.494Z -7.787e+12 2.573e+12 -3.026
## Timestamp2016-01-23T03:34:17.526000Z 3.769e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:19.058Z 3.766e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:19.063Z 3.766e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:19.271000Z 3.767e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:19.637Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:19.693Z 3.763e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:20.488Z -7.713e+12 2.573e+12 -2.997
## Timestamp2016-01-23T03:34:20.492Z -7.713e+12 2.573e+12 -2.997
## Timestamp2016-01-23T03:34:21.603Z -1.837e+12 2.573e+12 -0.714
## Timestamp2016-01-23T03:34:21.607Z -1.837e+12 2.573e+12 -0.714
## Timestamp2016-01-23T03:34:23.652000Z 3.769e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:27.542Z 3.767e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:27.545Z 3.767e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:28.911000Z -7.172e+12 2.573e+12 -2.787
## Timestamp2016-01-23T03:34:30.870000Z 3.768e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:30.971000Z 3.770e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:34:35.844Z -7.172e+12 2.573e+12 -2.787
## Timestamp2016-01-23T03:34:35.848Z -7.172e+12 2.573e+12 -2.787
## Timestamp2016-01-23T03:34:38.237Z 3.768e+10 2.573e+12 0.015

```

## Timestamp2016-01-23T03:34:38.241Z	3.768e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:34:39.921000Z	-3.897e+12	2.573e+12	-1.515
## Timestamp2016-01-23T03:34:41.373Z	-3.897e+12	2.573e+12	-1.515
## Timestamp2016-01-23T03:34:41.377Z	-3.897e+12	2.573e+12	-1.515
## Timestamp2016-01-23T03:34:42.114000Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:34:42.948Z	-7.142e+12	2.573e+12	-2.776
## Timestamp2016-01-23T03:34:42.953Z	-7.142e+12	2.573e+12	-2.776
## Timestamp2016-01-23T03:34:43.835000Z	3.769e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:34:46.234176Z	-8.844e+12	2.573e+12	-3.437
## Timestamp2016-01-23T03:34:46.897000Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:34:47.580000Z	-5.506e+12	2.573e+12	-2.140
## Timestamp2016-01-23T03:34:50.235000Z	-5.506e+12	2.573e+12	-2.140
## Timestamp2016-01-23T03:34:50.927000Z	-6.186e+12	2.573e+12	-2.404
## Timestamp2016-01-23T03:34:51.737Z	-6.186e+12	2.573e+12	-2.404
## Timestamp2016-01-23T03:34:51.742Z	-6.186e+12	2.573e+12	-2.404
## Timestamp2016-01-23T03:34:53.305Z	-5.506e+12	2.573e+12	-2.140
## Timestamp2016-01-23T03:34:53.308Z	-5.506e+12	2.573e+12	-2.140
## Timestamp2016-01-23T03:35:00.387000Z	3.470e+10	2.573e+12	0.013
## Timestamp2016-01-23T03:35:01.319Z	3.470e+10	2.573e+12	0.013
## Timestamp2016-01-23T03:35:01.322Z	3.470e+10	2.573e+12	0.013
## Timestamp2016-01-23T03:35:03.040000Z	-3.264e+11	2.573e+12	-0.127
## Timestamp2016-01-23T03:35:03.778Z	3.767e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:03.781Z	3.767e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:03.912000Z	-6.938e+12	2.573e+12	-2.696
## Timestamp2016-01-23T03:35:04.558000Z	3.772e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:04.993000Z	3.772e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:04.993Z	-6.938e+12	2.573e+12	-2.696
## Timestamp2016-01-23T03:35:05.039Z	-6.938e+12	2.573e+12	-2.696
## Timestamp2016-01-23T03:35:05.781Z	-3.264e+11	2.573e+12	-0.127
## Timestamp2016-01-23T03:35:05.785Z	-3.264e+11	2.573e+12	-0.127
## Timestamp2016-01-23T03:35:06.062000Z	-5.398e+12	2.573e+12	-2.098
## Timestamp2016-01-23T03:35:06.086Z	-4.094e+12	2.573e+12	-1.591
## Timestamp2016-01-23T03:35:06.110Z	-4.094e+12	2.573e+12	-1.591
## Timestamp2016-01-23T03:35:06.739Z	-3.318e+12	2.573e+12	-1.290
## Timestamp2016-01-23T03:35:06.742Z	-3.318e+12	2.573e+12	-1.290
## Timestamp2016-01-23T03:35:06.919Z	-5.398e+12	2.573e+12	-2.098
## Timestamp2016-01-23T03:35:06.924Z	-5.398e+12	2.573e+12	-2.098
## Timestamp2016-01-23T03:35:07.539Z	-1.938e+12	2.573e+12	-0.753
## Timestamp2016-01-23T03:35:07.544Z	-1.938e+12	2.573e+12	-0.753
## Timestamp2016-01-23T03:35:14.896Z	-5.417e+12	2.573e+12	-2.105
## Timestamp2016-01-23T03:35:14.994Z	-5.417e+12	2.573e+12	-2.105
## Timestamp2016-01-23T03:35:15.595000Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:35:17.520Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:35:17.524Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:35:21.027000Z	-3.422e+12	2.573e+12	-1.330
## Timestamp2016-01-23T03:35:22.334Z	-3.422e+12	2.573e+12	-1.330
## Timestamp2016-01-23T03:35:22.360Z	-3.422e+12	2.573e+12	-1.330
## Timestamp2016-01-23T03:35:23.207Z	-3.143e+12	2.573e+12	-1.221
## Timestamp2016-01-23T03:35:23.211Z	-3.143e+12	2.573e+12	-1.221
## Timestamp2016-01-23T03:35:23.742Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:23.745Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:24.723000Z	3.769e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:28.253Z	-7.748e+12	2.573e+12	-3.011
## Timestamp2016-01-23T03:35:28.258Z	-7.748e+12	2.573e+12	-3.011

## Timestamp2016-01-23T03:35:29.438000Z	3.725e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:35:30.273Z	3.725e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:35:30.277Z	3.725e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:35:31.739000Z	-3.937e+12	2.573e+12	-1.530
## Timestamp2016-01-23T03:35:33.532Z	-3.937e+12	2.573e+12	-1.530
## Timestamp2016-01-23T03:35:33.557Z	-3.937e+12	2.573e+12	-1.530
## Timestamp2016-01-23T03:35:36.034000Z	-8.242e+11	2.573e+12	-0.320
## Timestamp2016-01-23T03:35:37.121Z	-8.242e+11	2.573e+12	-0.320
## Timestamp2016-01-23T03:35:37.125Z	-8.242e+11	2.573e+12	-0.320
## Timestamp2016-01-23T03:35:38.790000Z	-5.639e+12	2.573e+12	-2.192
## Timestamp2016-01-23T03:35:39.725Z	-5.639e+12	2.573e+12	-2.192
## Timestamp2016-01-23T03:35:39.730Z	-5.639e+12	2.573e+12	-2.192
## Timestamp2016-01-23T03:35:40.530000Z	-5.580e+12	2.573e+12	-2.169
## Timestamp2016-01-23T03:35:42.123000Z	-7.841e+11	2.573e+12	-0.305
## Timestamp2016-01-23T03:35:42.179Z	-5.580e+12	2.573e+12	-2.169
## Timestamp2016-01-23T03:35:42.184Z	-5.580e+12	2.573e+12	-2.169
## Timestamp2016-01-23T03:35:42.833Z	-7.841e+11	2.573e+12	-0.305
## Timestamp2016-01-23T03:35:42.844Z	-7.841e+11	2.573e+12	-0.305
## Timestamp2016-01-23T03:35:42.882000Z	1.661e+10	2.573e+12	0.006
## Timestamp2016-01-23T03:35:43.620Z	1.661e+10	2.573e+12	0.006
## Timestamp2016-01-23T03:35:43.623Z	1.661e+10	2.573e+12	0.006
## Timestamp2016-01-23T03:35:46.013Z	3.769e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:46.091Z	3.769e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:47.292000Z	-8.620e+11	2.573e+12	-0.335
## Timestamp2016-01-23T03:35:47.373Z	-2.920e+12	2.573e+12	-1.135
## Timestamp2016-01-23T03:35:47.378Z	-2.920e+12	2.573e+12	-1.135
## Timestamp2016-01-23T03:35:48.948000Z	-2.045e+11	2.573e+12	-0.079
## Timestamp2016-01-23T03:35:49.765Z	-2.045e+11	2.573e+12	-0.079
## Timestamp2016-01-23T03:35:49.769Z	-2.045e+11	2.573e+12	-0.079
## Timestamp2016-01-23T03:35:50.612000Z	-4.520e+11	2.573e+12	-0.176
## Timestamp2016-01-23T03:35:51.340Z	-4.520e+11	2.573e+12	-0.176
## Timestamp2016-01-23T03:35:51.345Z	-4.520e+11	2.573e+12	-0.176
## Timestamp2016-01-23T03:35:52.520000Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:35:53.452000Z	-7.412e+12	2.573e+12	-2.881
## Timestamp2016-01-23T03:35:54.409Z	-7.412e+12	2.573e+12	-2.881
## Timestamp2016-01-23T03:35:54.413Z	-7.412e+12	2.573e+12	-2.881
## Timestamp2016-01-23T03:35:55.390Z	-5.639e+12	2.573e+12	-2.192
## Timestamp2016-01-23T03:35:55.394Z	-5.639e+12	2.573e+12	-2.192
## Timestamp2016-01-23T03:35:55.957Z	-7.414e+12	2.573e+12	-2.881
## Timestamp2016-01-23T03:35:55.961Z	-7.414e+12	2.573e+12	-2.881
## Timestamp2016-01-23T03:35:56.305Z	-5.390e+12	2.573e+12	-2.095
## Timestamp2016-01-23T03:35:56.310Z	-5.390e+12	2.573e+12	-2.095
## Timestamp2016-01-23T03:35:58.343Z	-4.823e+12	2.573e+12	-1.874
## Timestamp2016-01-23T03:35:58.346Z	-4.823e+12	2.573e+12	-1.874
## Timestamp2016-01-23T03:35:59.577Z	-6.084e+12	2.573e+12	-2.364
## Timestamp2016-01-23T03:35:59.599000Z	-5.432e+12	2.573e+12	-2.111
## Timestamp2016-01-23T03:35:59.635Z	-6.084e+12	2.573e+12	-2.364
## Timestamp2016-01-23T03:36:00.210Z	-5.432e+12	2.573e+12	-2.111
## Timestamp2016-01-23T03:36:00.215Z	-5.432e+12	2.573e+12	-2.111
## Timestamp2016-01-23T03:36:00.474Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:00.479Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:00.765000Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:36:00.798000Z	-6.591e+12	2.573e+12	-2.562
## Timestamp2016-01-23T03:36:01.362Z	-5.639e+12	2.573e+12	-2.192

## Timestamp2016-01-23T03:36:01.366Z	-5.639e+12	2.573e+12	-2.192
## Timestamp2016-01-23T03:36:02.247Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:36:02.252Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:36:02.547000Z	-6.651e+12	2.573e+12	-2.585
## Timestamp2016-01-23T03:36:02.603Z	-6.591e+12	2.573e+12	-2.562
## Timestamp2016-01-23T03:36:02.608Z	-6.591e+12	2.573e+12	-2.562
## Timestamp2016-01-23T03:36:03.869Z	-6.651e+12	2.573e+12	-2.585
## Timestamp2016-01-23T03:36:03.889Z	-6.651e+12	2.573e+12	-2.585
## Timestamp2016-01-23T03:36:04.167000Z	3.774e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:05.139000Z	-1.514e+12	2.573e+12	-0.588
## Timestamp2016-01-23T03:36:06.181Z	-1.514e+12	2.573e+12	-0.588
## Timestamp2016-01-23T03:36:06.187Z	-1.514e+12	2.573e+12	-0.588
## Timestamp2016-01-23T03:36:08.061000Z	-7.848e+12	2.573e+12	-3.050
## Timestamp2016-01-23T03:36:09.142Z	-7.848e+12	2.573e+12	-3.050
## Timestamp2016-01-23T03:36:09.146Z	-7.848e+12	2.573e+12	-3.050
## Timestamp2016-01-23T03:36:09.830000Z	3.774e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:10.244000Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:10.747000Z	-5.329e+12	2.573e+12	-2.071
## Timestamp2016-01-23T03:36:11.446Z	-5.329e+12	2.573e+12	-2.071
## Timestamp2016-01-23T03:36:11.452Z	-5.329e+12	2.573e+12	-2.071
## Timestamp2016-01-23T03:36:13.544Z	3.769e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:13.549Z	3.769e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:14.475Z	-7.784e+12	2.573e+12	-3.025
## Timestamp2016-01-23T03:36:14.479Z	-7.784e+12	2.573e+12	-3.025
## Timestamp2016-01-23T03:36:17.740Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:17.744Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:23.294Z	1.661e+10	2.573e+12	0.006
## Timestamp2016-01-23T03:36:23.297Z	1.661e+10	2.573e+12	0.006
## Timestamp2016-01-23T03:36:24.859000Z	3.772e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:29.667Z	3.758e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:29.722Z	3.758e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:29.821Z	3.689e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:36:29.825Z	3.689e+10	2.573e+12	0.014
## Timestamp2016-01-23T03:36:32.225Z	3.772e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:32.232Z	3.772e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:34.817000Z	-3.226e+12	2.573e+12	-1.254
## Timestamp2016-01-23T03:36:36.706Z	-3.226e+12	2.573e+12	-1.254
## Timestamp2016-01-23T03:36:36.719Z	-3.226e+12	2.573e+12	-1.254
## Timestamp2016-01-23T03:36:38.323Z	-4.446e+12	2.573e+12	-1.728
## Timestamp2016-01-23T03:36:38.327Z	-4.446e+12	2.573e+12	-1.728
## Timestamp2016-01-23T03:36:38.902Z	-2.706e+12	2.573e+12	-1.052
## Timestamp2016-01-23T03:36:38.907Z	-2.706e+12	2.573e+12	-1.052
## Timestamp2016-01-23T03:36:40.866000Z	3.776e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:36:43.830000Z	-9.852e+12	2.573e+12	-3.829
## Timestamp2016-01-23T03:36:45.821Z	-6.143e+12	2.573e+12	-2.387
## Timestamp2016-01-23T03:36:45.824Z	-6.143e+12	2.573e+12	-2.387
## Timestamp2016-01-23T03:36:46.163Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:36:46.175Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:36:47.007000Z	-5.290e+12	2.573e+12	-2.056
## Timestamp2016-01-23T03:36:47.464000Z	-9.852e+12	2.573e+12	-3.829
## Timestamp2016-01-23T03:36:47.671Z	-5.290e+12	2.573e+12	-2.056
## Timestamp2016-01-23T03:36:47.677Z	-5.290e+12	2.573e+12	-2.056
## Timestamp2016-01-23T03:36:52.294000Z	-5.683e+12	2.573e+12	-2.209
## Timestamp2016-01-23T03:36:53.329Z	-5.683e+12	2.573e+12	-2.209

## Timestamp2016-01-23T03:36:53.335Z	-5.683e+12	2.573e+12	-2.209
## Timestamp2016-01-23T03:36:53.864Z	-5.329e+12	2.573e+12	-2.071
## Timestamp2016-01-23T03:36:53.867Z	-5.329e+12	2.573e+12	-2.071
## Timestamp2016-01-23T03:36:58.160Z	-7.412e+12	2.573e+12	-2.881
## Timestamp2016-01-23T03:36:58.164Z	-7.412e+12	2.573e+12	-2.881
## Timestamp2016-01-23T03:37:01.361Z	-4.520e+11	2.573e+12	-0.176
## Timestamp2016-01-23T03:37:01.366Z	-4.520e+11	2.573e+12	-0.176
## Timestamp2016-01-23T03:37:02.669000Z	-1.299e+12	2.573e+12	-0.505
## Timestamp2016-01-23T03:37:03.530Z	-1.299e+12	2.573e+12	-0.505
## Timestamp2016-01-23T03:37:03.575Z	-1.299e+12	2.573e+12	-0.505
## Timestamp2016-01-23T03:37:05.299Z	9.193e+09	2.573e+12	0.004
## Timestamp2016-01-23T03:37:05.304Z	9.193e+09	2.573e+12	0.004
## Timestamp2016-01-23T03:37:10.466Z	-7.707e+12	2.573e+12	-2.995
## Timestamp2016-01-23T03:37:10.472Z	-7.707e+12	2.573e+12	-2.995
## Timestamp2016-01-23T03:37:15.418000Z	-7.247e+12	2.573e+12	-2.817
## Timestamp2016-01-23T03:37:16.038000Z	-1.792e+12	2.573e+12	-0.696
## Timestamp2016-01-23T03:37:16.559Z	-7.247e+12	2.573e+12	-2.817
## Timestamp2016-01-23T03:37:16.563Z	-7.247e+12	2.573e+12	-2.817
## Timestamp2016-01-23T03:37:18.174000Z	3.777e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:18.805Z	-1.792e+12	2.573e+12	-0.696
## Timestamp2016-01-23T03:37:18.837Z	-1.792e+12	2.573e+12	-0.696
## Timestamp2016-01-23T03:37:22.185000Z	-7.459e+12	2.573e+12	-2.899
## Timestamp2016-01-23T03:37:22.406000Z	3.774e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:23.026Z	-7.459e+12	2.573e+12	-2.899
## Timestamp2016-01-23T03:37:23.030Z	-7.459e+12	2.573e+12	-2.899
## Timestamp2016-01-23T03:37:23.392Z	-5.329e+12	2.573e+12	-2.071
## Timestamp2016-01-23T03:37:23.396Z	-5.329e+12	2.573e+12	-2.071
## Timestamp2016-01-23T03:37:26.172000Z	3.778e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:26.441Z	-7.784e+12	2.573e+12	-3.025
## Timestamp2016-01-23T03:37:26.444Z	-7.784e+12	2.573e+12	-3.025
## Timestamp2016-01-23T03:37:29.747Z	3.774e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:29.751Z	3.774e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:32.411000Z	-2.892e+12	2.573e+12	-1.124
## Timestamp2016-01-23T03:37:33.226Z	-2.892e+12	2.573e+12	-1.124
## Timestamp2016-01-23T03:37:33.254Z	-2.892e+12	2.573e+12	-1.124
## Timestamp2016-01-23T03:37:36.651000Z	3.778e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:38.052Z	3.755e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:38.055Z	3.755e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:39.569000Z	-7.749e+12	2.573e+12	-3.012
## Timestamp2016-01-23T03:37:40.047Z	-9.274e+11	2.573e+12	-0.360
## Timestamp2016-01-23T03:37:40.052Z	-9.274e+11	2.573e+12	-0.360
## Timestamp2016-01-23T03:37:41.339Z	-7.749e+12	2.573e+12	-3.012
## Timestamp2016-01-23T03:37:41.343Z	-7.749e+12	2.573e+12	-3.012
## Timestamp2016-01-23T03:37:41.594Z	3.761e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:41.599Z	3.761e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:37:41.643000Z	-8.099e+12	2.573e+12	-3.148
## Timestamp2016-01-23T03:37:42.044000Z	-5.187e+12	2.573e+12	-2.016
## Timestamp2016-01-23T03:37:42.785Z	-5.187e+12	2.573e+12	-2.016
## Timestamp2016-01-23T03:37:42.791Z	-5.187e+12	2.573e+12	-2.016
## Timestamp2016-01-23T03:37:43.634Z	-8.099e+12	2.573e+12	-3.148
## Timestamp2016-01-23T03:37:43.639Z	-8.099e+12	2.573e+12	-3.148
## Timestamp2016-01-23T03:37:48.756Z	-7.848e+12	2.573e+12	-3.050
## Timestamp2016-01-23T03:37:48.760Z	-7.848e+12	2.573e+12	-3.050
## Timestamp2016-01-23T03:37:52.013000Z	3.778e+10	2.573e+12	0.015

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## Timestamp2016-01-23T03:37:53.465000Z -3.346e+11 2.573e+12 -0.130
## Timestamp2016-01-23T03:37:54.025000Z -5.944e+12 2.573e+12 -2.310
## Timestamp2016-01-23T03:37:54.466000Z -9.852e+12 2.573e+12 -3.829
## Timestamp2016-01-23T03:37:55.368Z -5.944e+12 2.573e+12 -2.310
## Timestamp2016-01-23T03:37:55.373Z -5.944e+12 2.573e+12 -2.310
## Timestamp2016-01-23T03:37:55.744000Z -1.263e+12 2.573e+12 -0.491
## Timestamp2016-01-23T03:37:56.221Z -3.346e+11 2.573e+12 -0.130
## Timestamp2016-01-23T03:37:56.226Z -3.346e+11 2.573e+12 -0.130
## Timestamp2016-01-23T03:37:56.501Z 3.772e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:37:56.506Z 3.772e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:37:58.169000Z -3.112e+12 2.573e+12 -1.210
## Timestamp2016-01-23T03:37:59.148Z 3.766e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:37:59.152Z 3.766e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:37:59.472Z -3.112e+12 2.573e+12 -1.210
## Timestamp2016-01-23T03:37:59.476Z -3.112e+12 2.573e+12 -1.210
## Timestamp2016-01-23T03:38:00.009000Z -1.263e+12 2.573e+12 -0.491
## Timestamp2016-01-23T03:38:02.460Z 3.778e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:38:02.467Z 3.778e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:38:03.227Z -5.183e+12 2.573e+12 -2.014
## Timestamp2016-01-23T03:38:03.230Z -5.183e+12 2.573e+12 -2.014
## Timestamp2016-01-23T03:38:06.202Z -7.707e+12 2.573e+12 -2.995
## Timestamp2016-01-23T03:38:06.206Z -7.707e+12 2.573e+12 -2.995
## Timestamp2016-01-23T03:38:07.315Z 3.688e+10 2.573e+12 0.014
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## Timestamp2016-01-23T03:38:07.962Z -1.806e+12 2.573e+12 -0.702
## Timestamp2016-01-23T03:38:07.966Z -1.806e+12 2.573e+12 -0.702
## Timestamp2016-01-23T03:38:12.101Z -7.427e+12 2.573e+12 -2.886
## Timestamp2016-01-23T03:38:12.104Z -7.427e+12 2.573e+12 -2.886
## Timestamp2016-01-23T03:38:14.422000Z -5.712e+12 2.573e+12 -2.220
## Timestamp2016-01-23T03:38:15.284Z -5.712e+12 2.573e+12 -2.220
## Timestamp2016-01-23T03:38:15.290Z -5.712e+12 2.573e+12 -2.220
## Timestamp2016-01-23T03:38:15.333000Z 3.777e+10 2.573e+12 0.015
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## Timestamp2016-01-23T03:38:18.441Z -6.137e+11 2.573e+12 -0.239
## Timestamp2016-01-23T03:38:21.677000Z -7.664e+12 2.573e+12 -2.979
## Timestamp2016-01-23T03:38:22.667Z -7.664e+12 2.573e+12 -2.979
## Timestamp2016-01-23T03:38:22.671Z -7.664e+12 2.573e+12 -2.979
## Timestamp2016-01-23T03:38:23.586Z 3.777e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:38:23.589Z 3.777e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:38:23.668000Z -1.340e+12 2.573e+12 -0.521
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## Timestamp2016-01-23T03:38:25.996Z 3.772e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:38:26.001Z 3.772e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:38:28.935Z 3.400e+10 2.573e+12 0.013
## Timestamp2016-01-23T03:38:28.938Z 3.400e+10 2.573e+12 0.013
## Timestamp2016-01-23T03:38:29.531Z -1.340e+12 2.573e+12 -0.521
## Timestamp2016-01-23T03:38:29.553Z -1.340e+12 2.573e+12 -0.521
## Timestamp2016-01-23T03:38:30.246000Z -3.217e+12 2.573e+12 -1.250
## Timestamp2016-01-23T03:38:31.113822Z 3.199e+08 2.573e+12 0.000
## Timestamp2016-01-23T03:38:31.128Z -3.217e+12 2.573e+12 -1.250
## Timestamp2016-01-23T03:38:31.134Z -3.217e+12 2.573e+12 -1.250
## Timestamp2016-01-23T03:38:31.896000Z 3.778e+10 2.573e+12 0.015
## Timestamp2016-01-23T03:38:38.105Z 3.778e+10 2.573e+12 0.015

```

## Timestamp2016-01-23T03:38:38.109Z	3.778e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:38:38.603Z	-5.712e+12	2.573e+12	-2.220
## Timestamp2016-01-23T03:38:38.606Z	-5.712e+12	2.573e+12	-2.220
## Timestamp2016-01-23T03:38:39.921000Z	3.781e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:38:45.125616Z	3.191e+08	2.573e+12	0.000
## Timestamp2016-01-23T03:38:45.415000Z	-3.289e+12	2.573e+12	-1.278
## Timestamp2016-01-23T03:38:46.471Z	-3.289e+12	2.573e+12	-1.278
## Timestamp2016-01-23T03:38:46.478Z	-3.289e+12	2.573e+12	-1.278
## Timestamp2016-01-23T03:38:47.764000Z	-5.474e+12	2.573e+12	-2.127
## Timestamp2016-01-23T03:38:48.461Z	-5.474e+12	2.573e+12	-2.127
## Timestamp2016-01-23T03:38:48.465Z	-5.474e+12	2.573e+12	-2.127
## Timestamp2016-01-23T03:38:51.364Z	3.766e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:38:51.368Z	3.766e+10	2.573e+12	0.015
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## Timestamp2016-01-23T03:38:54.815Z	-7.501e+11	2.573e+12	-0.292
## Timestamp2016-01-23T03:38:54.821Z	-7.501e+11	2.573e+12	-0.292
## Timestamp2016-01-23T03:38:57.534000Z	-1.263e+12	2.573e+12	-0.491
## Timestamp2016-01-23T03:38:58.695Z	-3.653e+12	2.573e+12	-1.420
## Timestamp2016-01-23T03:38:58.699Z	-3.653e+12	2.573e+12	-1.420
## Timestamp2016-01-23T03:38:59.093000Z	3.781e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:38:59.265Z	3.781e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:38:59.608Z	3.781e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:38:59.686366Z	-7.528e+12	2.573e+12	-2.926
## Timestamp2016-01-23T03:39:04.088000Z	3.782e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:04.273Z	3.782e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:04.570Z	3.782e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:06.209000Z	3.781e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:08.553000Z	-6.384e+09	2.573e+12	-0.002
## Timestamp2016-01-23T03:39:11.101Z	3.781e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:11.106Z	3.781e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:12.140Z	3.758e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:12.145Z	3.758e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:15.901Z	3.754e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:15.914Z	3.754e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:16.118759Z	3.504e+08	2.573e+12	0.000
## Timestamp2016-01-23T03:39:18.180Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:39:18.186Z	-7.570e+12	2.573e+12	-2.942
## Timestamp2016-01-23T03:39:25.027000Z	-5.679e+12	2.573e+12	-2.207
## Timestamp2016-01-23T03:39:25.237Z	-3.583e+12	2.573e+12	-1.392
## Timestamp2016-01-23T03:39:25.247Z	-3.583e+12	2.573e+12	-1.392
## Timestamp2016-01-23T03:39:25.389Z	-2.206e+12	2.573e+12	-0.857
## Timestamp2016-01-23T03:39:25.516Z	-2.206e+12	2.573e+12	-0.857
## Timestamp2016-01-23T03:39:26.439Z	-5.679e+12	2.573e+12	-2.207
## Timestamp2016-01-23T03:39:26.444Z	-5.679e+12	2.573e+12	-2.207
## Timestamp2016-01-23T03:39:27.227Z	-2.900e+11	2.573e+12	-0.113
## Timestamp2016-01-23T03:39:27.232Z	-2.900e+11	2.573e+12	-0.113
## Timestamp2016-01-23T03:39:27.711000Z	-7.860e+12	2.573e+12	-3.055
## Timestamp2016-01-23T03:39:28.741Z	-7.860e+12	2.573e+12	-3.055
## Timestamp2016-01-23T03:39:28.748Z	-7.860e+12	2.573e+12	-3.055
## Timestamp2016-01-23T03:39:29.629Z	3.778e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:29.635Z	3.778e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:31.364Z	3.771e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:31.365000Z	3.783e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:31.368Z	3.771e+10	2.573e+12	0.015

## Timestamp2016-01-23T03:39:33.666Z	3.772e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:33.671Z	3.772e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:35.589Z	-2.206e+12	2.573e+12	-0.857
## Timestamp2016-01-23T03:39:35.592Z	-2.206e+12	2.573e+12	-0.857
## Timestamp2016-01-23T03:39:36.052000Z	3.783e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:36.256000Z	-3.038e+12	2.573e+12	-1.181
## Timestamp2016-01-23T03:39:36.364Z	-1.299e+12	2.573e+12	-0.505
## Timestamp2016-01-23T03:39:36.392Z	-1.299e+12	2.573e+12	-0.505
## Timestamp2016-01-23T03:39:37.036Z	-3.038e+12	2.573e+12	-1.181
## Timestamp2016-01-23T03:39:37.042Z	-3.038e+12	2.573e+12	-1.181
## Timestamp2016-01-23T03:39:37.610Z	-7.708e+12	2.573e+12	-2.995
## Timestamp2016-01-23T03:39:37.613Z	-7.708e+12	2.573e+12	-2.995
## Timestamp2016-01-23T03:39:38.100Z	-6.916e+12	2.573e+12	-2.688
## Timestamp2016-01-23T03:39:38.107Z	-6.916e+12	2.573e+12	-2.688
## Timestamp2016-01-23T03:39:38.954000Z	3.783e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:39:40.309000Z	-5.499e+12	2.573e+12	-2.137
## Timestamp2016-01-23T03:39:41.297Z	-7.501e+11	2.573e+12	-0.292
## Timestamp2016-01-23T03:39:41.301Z	-7.501e+11	2.573e+12	-0.292
## Timestamp2016-01-23T03:39:42.094Z	-5.499e+12	2.573e+12	-2.137
## Timestamp2016-01-23T03:39:42.097Z	-5.499e+12	2.573e+12	-2.137
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## Timestamp2016-01-23T03:39:43.799Z	-7.247e+12	2.573e+12	-2.817
## Timestamp2016-01-23T03:39:43.884Z	-7.247e+12	2.573e+12	-2.817
## Timestamp2016-01-23T03:39:46.730000Z	-4.059e+12	2.573e+12	-1.577
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## Timestamp2016-01-23T03:39:50.161Z	-7.203e+12	2.573e+12	-2.799
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## Timestamp2016-01-23T03:39:51.793Z	-7.736e+12	2.573e+12	-3.006
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## Timestamp2016-01-23T03:39:58.887Z	-3.032e+12	2.573e+12	-1.178
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## Timestamp2016-01-23T03:40:04.163000Z	3.784e+10	2.573e+12	0.015
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## Timestamp2016-01-23T03:40:04.489Z	-8.114e+12	2.573e+12	-3.153
## Timestamp2016-01-23T03:40:04.960Z	-1.813e+12	2.573e+12	-0.705
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## Timestamp2016-01-23T03:40:06.726Z	-7.209e+12	2.573e+12	-2.802
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## Timestamp2016-01-23T03:40:12.642Z	-5.728e+12	2.573e+12	-2.226
## Timestamp2016-01-23T03:40:12.649Z	-5.728e+12	2.573e+12	-2.226

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## Timestamp2016-01-23T03:40:14.111Z	-7.414e+12	2.573e+12	-2.881
## Timestamp2016-01-23T03:40:14.994Z	-7.414e+12	2.573e+12	-2.881
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## Timestamp2016-01-23T03:40:17.544Z	-2.049e+11	2.573e+12	-0.080
## Timestamp2016-01-23T03:40:18.859Z	-4.059e+12	2.573e+12	-1.577
## Timestamp2016-01-23T03:40:18.863Z	-4.059e+12	2.573e+12	-1.577
## Timestamp2016-01-23T03:40:24.423000Z	3.783e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:40:29.033000Z	3.785e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:40:31.160Z	3.783e+10	2.573e+12	0.015
## Timestamp2016-01-23T03:40:31.164Z	3.783e+10	2.573e+12	0.015
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## Timestamp2016-01-23T03:40:31.995Z	-5.008e+12	2.573e+12	-1.946
## Timestamp2016-01-23T03:40:32.126Z	-8.114e+12	2.573e+12	-3.153
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## Timestamp2016-01-23T03:40:36.833Z	-7.749e+12	2.573e+12	-3.012
## Timestamp2016-01-23T03:40:38.043Z	-4.417e+12	2.573e+12	-1.717
## Timestamp2016-01-23T03:40:38.046Z	-4.417e+12	2.573e+12	-1.717
## Timestamp2016-01-23T03:40:41.725000Z	3.786e+10	2.573e+12	0.015
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## Timestamp2016-01-23T03:29:15.571Z	0.3426
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## Timestamp2016-01-23T03:38:46.478Z	0.4227
## Timestamp2016-01-23T03:38:47.764000Z	0.2797
## Timestamp2016-01-23T03:38:48.461Z	0.2797
## Timestamp2016-01-23T03:38:48.465Z	0.2797
## Timestamp2016-01-23T03:38:51.364Z	0.9907
## Timestamp2016-01-23T03:38:51.368Z	0.9907
## Timestamp2016-01-23T03:38:52.945000Z	0.8194
## Timestamp2016-01-23T03:38:54.815Z	0.8194
## Timestamp2016-01-23T03:38:54.821Z	0.8194
## Timestamp2016-01-23T03:38:57.534000Z	0.7096
## Timestamp2016-01-23T03:38:58.695Z	0.3906
## Timestamp2016-01-23T03:38:58.699Z	0.3906
## Timestamp2016-01-23T03:38:59.093000Z	0.9906
## Timestamp2016-01-23T03:38:59.265Z	0.9906
## Timestamp2016-01-23T03:38:59.608Z	0.9906
## Timestamp2016-01-23T03:38:59.686366Z	0.2097
## Timestamp2016-01-23T03:39:04.088000Z	0.9906
## Timestamp2016-01-23T03:39:04.273Z	0.9906
## Timestamp2016-01-23T03:39:04.570Z	0.9906

## Timestamp2016-01-23T03:39:06.209000Z	0.9906
## Timestamp2016-01-23T03:39:08.553000Z	0.9984
## Timestamp2016-01-23T03:39:11.101Z	0.9906
## Timestamp2016-01-23T03:39:11.106Z	0.9906
## Timestamp2016-01-23T03:39:12.140Z	0.9907
## Timestamp2016-01-23T03:39:12.145Z	0.9907
## Timestamp2016-01-23T03:39:15.901Z	0.9907
## Timestamp2016-01-23T03:39:15.914Z	0.9907
## Timestamp2016-01-23T03:39:16.118759Z	0.9999
## Timestamp2016-01-23T03:39:18.180Z	0.2086
## Timestamp2016-01-23T03:39:18.186Z	0.2086
## Timestamp2016-01-23T03:39:25.027000Z	0.2708
## Timestamp2016-01-23T03:39:25.237Z	0.3965
## Timestamp2016-01-23T03:39:25.247Z	0.3965
## Timestamp2016-01-23T03:39:25.389Z	0.5488
## Timestamp2016-01-23T03:39:25.516Z	0.5488
## Timestamp2016-01-23T03:39:26.439Z	0.2708
## Timestamp2016-01-23T03:39:26.444Z	0.2708
## Timestamp2016-01-23T03:39:27.227Z	0.9286
## Timestamp2016-01-23T03:39:27.232Z	0.9286
## Timestamp2016-01-23T03:39:27.711000Z	0.2014
## Timestamp2016-01-23T03:39:28.741Z	0.2014
## Timestamp2016-01-23T03:39:28.748Z	0.2014
## Timestamp2016-01-23T03:39:29.629Z	0.9907
## Timestamp2016-01-23T03:39:29.635Z	0.9907
## Timestamp2016-01-23T03:39:31.364Z	0.9907
## Timestamp2016-01-23T03:39:31.365000Z	0.9906
## Timestamp2016-01-23T03:39:31.368Z	0.9907
## Timestamp2016-01-23T03:39:33.666Z	0.9907
## Timestamp2016-01-23T03:39:33.671Z	0.9907
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## Timestamp2016-01-23T03:39:35.592Z	0.5488
## Timestamp2016-01-23T03:39:36.052000Z	0.9906
## Timestamp2016-01-23T03:39:36.256000Z	0.4474
## Timestamp2016-01-23T03:39:36.364Z	0.7023
## Timestamp2016-01-23T03:39:36.392Z	0.7023
## Timestamp2016-01-23T03:39:37.036Z	0.4474
## Timestamp2016-01-23T03:39:37.042Z	0.4474
## Timestamp2016-01-23T03:39:37.610Z	0.2051
## Timestamp2016-01-23T03:39:37.613Z	0.2051
## Timestamp2016-01-23T03:39:38.100Z	0.2268
## Timestamp2016-01-23T03:39:38.107Z	0.2268
## Timestamp2016-01-23T03:39:38.954000Z	0.9906
## Timestamp2016-01-23T03:39:40.309000Z	0.2786
## Timestamp2016-01-23T03:39:41.297Z	0.8194
## Timestamp2016-01-23T03:39:41.301Z	0.8194
## Timestamp2016-01-23T03:39:42.094Z	0.2786
## Timestamp2016-01-23T03:39:42.097Z	0.2786
## Timestamp2016-01-23T03:39:42.593000Z	0.2172
## Timestamp2016-01-23T03:39:43.799Z	0.2172
## Timestamp2016-01-23T03:39:43.884Z	0.2172
## Timestamp2016-01-23T03:39:46.730000Z	0.3597
## Timestamp2016-01-23T03:39:47.425000Z	0.2161
## Timestamp2016-01-23T03:39:48.089Z	0.2161

## Timestamp2016-01-23T03:39:48.097Z	0.2161
## Timestamp2016-01-23T03:39:49.066Z	0.3597
## Timestamp2016-01-23T03:39:49.071Z	0.3597
## Timestamp2016-01-23T03:39:49.535000Z	0.2833
## Timestamp2016-01-23T03:39:50.147Z	0.2184
## Timestamp2016-01-23T03:39:50.161Z	0.2184
## Timestamp2016-01-23T03:39:50.277000Z	0.2044
## Timestamp2016-01-23T03:39:50.509Z	0.2833
## Timestamp2016-01-23T03:39:50.513Z	0.2833
## Timestamp2016-01-23T03:39:51.779Z	0.2944
## Timestamp2016-01-23T03:39:51.789Z	0.2118
## Timestamp2016-01-23T03:39:51.793Z	0.2044
## Timestamp2016-01-23T03:39:56.887000Z	0.9906
## Timestamp2016-01-23T03:39:57.878000Z	0.4480
## Timestamp2016-01-23T03:39:58.887Z	0.4480
## Timestamp2016-01-23T03:39:58.890Z	0.4480
## Timestamp2016-01-23T03:40:03.289000Z	0.6093
## Timestamp2016-01-23T03:40:04.046000Z	1.0000
## Timestamp2016-01-23T03:40:04.163000Z	0.9906
## Timestamp2016-01-23T03:40:04.477Z	0.1955
## Timestamp2016-01-23T03:40:04.489Z	0.1955
## Timestamp2016-01-23T03:40:04.960Z	0.6093
## Timestamp2016-01-23T03:40:04.963Z	0.6093
## Timestamp2016-01-23T03:40:06.722Z	0.2183
## Timestamp2016-01-23T03:40:06.726Z	0.2183
## Timestamp2016-01-23T03:40:10.587000Z	0.2688
## Timestamp2016-01-23T03:40:12.642Z	0.2688
## Timestamp2016-01-23T03:40:12.649Z	0.2688
## Timestamp2016-01-23T03:40:14.107Z	0.2127
## Timestamp2016-01-23T03:40:14.111Z	0.2127
## Timestamp2016-01-23T03:40:14.994Z	0.2127
## Timestamp2016-01-23T03:40:14.998Z	0.2127
## Timestamp2016-01-23T03:40:17.541Z	0.9494
## Timestamp2016-01-23T03:40:17.544Z	0.9494
## Timestamp2016-01-23T03:40:18.859Z	0.3597
## Timestamp2016-01-23T03:40:18.863Z	0.3597
## Timestamp2016-01-23T03:40:24.423000Z	0.9906
## Timestamp2016-01-23T03:40:29.033000Z	0.9906
## Timestamp2016-01-23T03:40:31.160Z	0.9906
## Timestamp2016-01-23T03:40:31.164Z	0.9906
## Timestamp2016-01-23T03:40:31.309Z	0.8602
## Timestamp2016-01-23T03:40:31.324Z	0.8602
## Timestamp2016-01-23T03:40:31.991Z	0.3022
## Timestamp2016-01-23T03:40:31.995Z	0.3022
## Timestamp2016-01-23T03:40:32.126Z	0.1955
## Timestamp2016-01-23T03:40:32.130Z	0.1955
## Timestamp2016-01-23T03:40:36.829Z	0.2041
## Timestamp2016-01-23T03:40:36.833Z	0.2041
## Timestamp2016-01-23T03:40:38.043Z	0.3358
## Timestamp2016-01-23T03:40:38.046Z	0.3358
## Timestamp2016-01-23T03:40:41.725000Z	0.9906
## Timestamp2016-01-23T03:40:41.774000Z	1.0000
## Timestamp2016-01-23T03:40:41.991Z	0.3358
## Timestamp2016-01-23T03:40:41.997Z	0.3358

```
## Timestamp2016-01-23T03:40:43.019Z      NA
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.819e+12 on 1 degrees of freedom
## Multiple R-squared:  0.9996, Adjusted R-squared:  0.6236
## F-statistic: 2.658 on 997 and 1 DF,  p-value: 0.4602
```

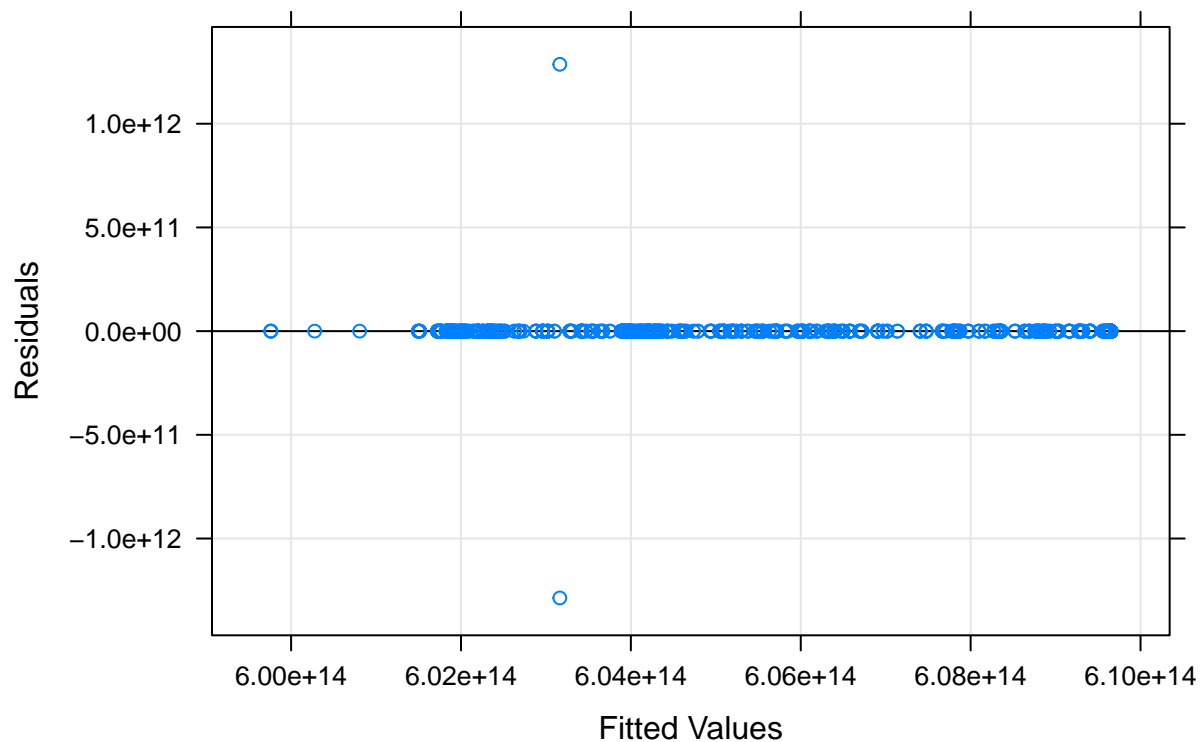
Summary Description

The estimates for the model intercept is 6.097e+14 and the coefficient measuring the slope of the rel

#A plot of the residuals against fitted values is used to determine whether there are any systematic pa

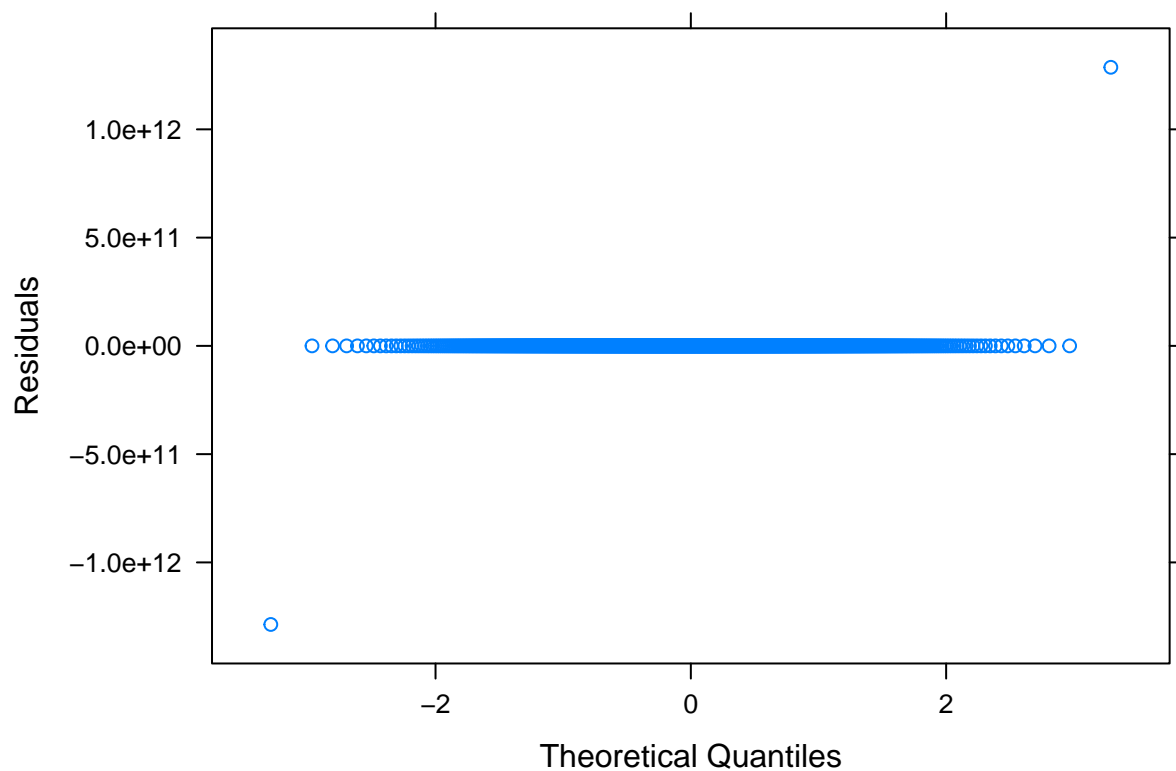
```
xyplot(resid(con.mod1) ~ fitted(con.mod1),
  xlab = "Fitted Values",
  ylab = "Residuals",
  main = "Residual Diagnostic Plot",
  panel = function(x, y, ...)
  {
    panel.grid(h = -1, v = -1)
    panel.abline(h = 0)
    panel.xyplot(x, y, ...)
  }
)
```

Residual Diagnostic Plot



#The plot is probably ok but there are more cases of positive residuals and when we consider a normal p
#The function resid extracts the model residuals from the fitted model object. The plot is shown here:

```
qqmath( ~ resid(con.mod1),
  xlab = "Theoretical Quantiles",
  ylab = "Residuals"
)
```



Logistic Regression Model

Since most of the dependent data are binary i.e. 0 or 1, logistic regression model would be more fit

```
library(aod)
```

Warning: package 'aod' was built under R version 3.2.5

```
library(ggplot2)
```

Warning: package 'ggplot2' was built under R version 3.2.5

```
library(Rcpp)
```

Previously we summarized the data set. Now to get the standard deviations, we use sapply to apply the
sapply(rdata,sd)

```
## Warning in var(if (is.vector(x) || is.factor(x)) x else as.double(x), na.rm = na.rm): Calling var(x)
## Use something like 'all(duplicated(x)[-1L])' to test for a constant vector.
```

```
##                timeStamp                epoch_time
##                2.884563e+02                2.464419e+02
##                UserID                MY_CLOUD
##                2.965575e+12                9.453461e-02
##                CONNECT    msisdn_login_submitted_failed
##                9.453461e-02                0.000000e+00
## user_activation_submitted_failed    user_allowed_authorization
##                4.472131e-02                4.817737e-01
## email_verification_submitted    email_verification_submitted_failed
##                9.453461e-02                5.474473e-02
##                msisdn_register_page    msisdn_register_submitted_failed
##                2.052958e-01                0.000000e+00
##                msisdn_register_submitted    email_login_submitted_faile
##                1.814074e-01                0.000000e+00
##                availability    user_denied_authorization
##                0.000000e+00                4.472131e-02
## user_succeeded_authentication    email_login_submitted
##                4.826036e-01                2.948706e-01
##                msisdn_login_submitted    new_user_created
##                2.395622e-01                9.453461e-02
##                user_activation_submitted
##                7.730405e-02
```

```
## two-way contingency table of categorical outcome and predictors
## we want to make sure there are not 0 cells
xtabs(~ UserID + CONNECT, data = rdata)
```

```
##                CONNECT
## UserID          0  1
## 599761134311545  0  3
## 600277343755724  1  0
## 600806612815944  1  0
## 601498822170273  0  4
## 601513744240581  0  3
## 601723406522725  0  7
## 601752813145424  0  3
## 601765083109497  0  5
## 601765869808674  0  2
## 601826154378586  0  7
## 601828503389733  0  4
## 601856097899879  0  5
## 601861898207494  0  2
## 601863661733649  0  5
## 601864813926574  0  2
## 601875168098674  0  3
## 601877019282427  0  3
## 601890445662670  0  3
## 601900094858251  0  2
## 601905284676111  0  2
## 601905425887841  0  7
```

##	601932200316345	0	3
##	601948641552656	0	3
##	601986032478873	0	9
##	602010727383197	0	5
##	602043232248922	0	10
##	602080777230247	0	3
##	602122476191954	1	0
##	602153408062816	0	3
##	602186071901471	0	2
##	602198937870690	0	6
##	602200548457002	0	5
##	602253462749368	0	3
##	602259479734728	0	2
##	602298132347014	0	3
##	602325760869610	0	8
##	602330750877119	0	3
##	602360040945143	0	3
##	602365316252985	0	3
##	602365597804868	0	3
##	602366210810367	0	5
##	602371208613829	0	2
##	602404220010129	0	2
##	602409914710203	0	2
##	602440695993808	0	3
##	602470412702659	0	5
##	602513845777124	0	3
##	602629979053752	0	2
##	602674923124136	0	4
##	602696847069072	0	2
##	602736717770156	0	1
##	602882193057488	0	5
##	602960902102608	0	3
##	602962097269113	0	3
##	602963645642572	0	2
##	603020868649485	0	3
##	603021706277159	0	3
##	603100687348479	0	2
##	603281867716061	0	5
##	603304528280604	0	3
##	603412436003638	0	4
##	603426581832847	0	6
##	603469510588813	0	2
##	603529061705397	0	2
##	603539440768595	0	2
##	603560643738678	0	3
##	603638189692814	0	3
##	603668948758771	0	3
##	603752990793899	0	2
##	603884894470695	0	3
##	603900148337713	0	5
##	603900329390296	0	5
##	603905762429555	0	4
##	603925048468073	0	5
##	603929832479052	0	3

##	603929947072050	0	3
##	603933759385267	0	3
##	603965420218614	0	3
##	603973573599560	0	7
##	603978038866086	0	3
##	603996152121839	0	5
##	603997188163581	0	2
##	604032393511804	0	3
##	604032715577728	0	2
##	604077099705172	0	4
##	604107244601292	0	4
##	604114032818494	0	3
##	604138834226683	0	3
##	604140426569449	0	2
##	604175305360909	0	2
##	604181230070740	0	3
##	604181874538552	0	2
##	604196213663519	0	4
##	604196609014419	0	3
##	604215024550727	0	4
##	604215226510659	0	3
##	604217837123903	0	3
##	604222740603759	0	5
##	604257559826872	0	2
##	604284223510651	0	7
##	604289452969716	0	2
##	604322058168646	0	1
##	604322895932635	0	3
##	604333629435911	0	7
##	604370161325469	0	3
##	604426067393905	0	3
##	604429851789416	0	2
##	604450127761271	0	2
##	604482925231290	0	2
##	604560925430225	0	2
##	604582611593357	0	5
##	604605004607443	0	2
##	604625747305929	0	2
##	604647679866805	0	2
##	604738444917002	0	2
##	604789907667290	0	2
##	604934515986951	0	3
##	604945339801562	0	3
##	605045389530864	0	4
##	605080833988808	0	5
##	605099866225797	0	4
##	605166960301101	0	2
##	605195940515335	0	4
##	605201979109330	0	2
##	605240380766762	0	2
##	605301480860785	0	5
##	605376462617943	0	3
##	605458214277035	0	1
##	605464879336889	0	2

##	605483455681975	0	4
##	605518752505032	0	2
##	605554016160372	0	5
##	605633557498010	0	2
##	605675872936840	0	3
##	605696749904227	0	3
##	605715585884698	0	10
##	605817294397899	0	3
##	605844568103768	0	2
##	605959539291010	0	2
##	605966144219224	0	2
##	605999868292366	0	2
##	606010286011949	0	3
##	606026246133069	0	2
##	606030014718989	0	2
##	606100823893608	0	3
##	606101270935110	0	5
##	606131895556009	0	2
##	606190901700802	0	3
##	606294334366969	0	2
##	606319883388454	0	5
##	606324257719111	0	3
##	606348785217020	0	2
##	606387287890487	0	3
##	606396195505020	0	3
##	606409644883050	0	2
##	606470278904756	0	2
##	606500489483676	0	3
##	606574675149770	0	3
##	606580606164902	0	3
##	606693300296379	0	4
##	606721213722107	0	3
##	606906565913059	0	11
##	606969317362029	0	2
##	607017275650527	0	3
##	607138472791325	0	2
##	607406624232965	0	4
##	607476573010710	0	5
##	607665371846648	0	4
##	607675149913896	0	2
##	607703964420828	0	2
##	607775583432921	0	2
##	607799941004055	0	3
##	607804678388215	0	5
##	607807073562711	0	2
##	607820871098592	0	3
##	607840807369573	0	1
##	607840817987033	0	1
##	607871186058713	0	3
##	607876028081113	0	2
##	607973267522716	0	4
##	608098556130310	0	3
##	608169514349940	0	3
##	608272436288291	0	3

##	608313547719023	0	5
##	608346236801517	0	2
##	608347594301008	0	7
##	608350173180566	0	3
##	608360398980122	0	5
##	608521610528924	0	3
##	608637754217909	0	3
##	608685375997819	0	2
##	608690702982002	0	3
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##	608768733277587	0	3
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##	608797065895058	0	3
##	608828696124249	0	3
##	608862724917769	0	5
##	608863587341750	0	2
##	608866711989179	0	2
##	608892822562118	0	3
##	608930438670870	0	2
##	608999089113138	0	2
##	609002565830025	0	3
##	609034493786849	0	3
##	609038565843665	0	2
##	609160847157520	0	5
##	609162721597852	0	2
##	609270212777424	0	3
##	609278224594319	0	3
##	609286422800212	0	6
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##	609322841973300	0	2
##	609395283877220	0	2
##	609404411845806	0	3
##	609407927974469	0	2
##	609408329792566	0	3
##	609554166354176	0	1
##	609557510760065	0	2
##	609578417449966	0	3
##	609578589184485	0	3
##	609606418520710	0	1
##	609612802922906	0	3
##	609613573547413	0	3
##	609620004063046	0	5
##	609621995683842	0	2
##	609629409257509	0	5
##	609631761664364	0	2
##	609646807165908	0	2
##	609647500497362	0	3
##	609649461424241	0	4
##	609649685630341	0	2
##	609649688829757	0	2
##	609649722015929	0	4
##	609649825393778	0	5
##	609649978074832	0	2
##	609650049593588	0	5

##	609650154950729	0	5
##	609650201970556	0	2
##	609650209014888	0	3
##	609650216106197	0	7
##	609650216156530	0	8
##	609650246780820	0	2
##	609650258186391	0	8
##	609650266189543	1	0
##	609650304973434	0	2
##	609650309806111	0	1
##	609650315614382	1	0
##	609650316265340	0	13
##	609650317615065	0	1
##	609650335228626	0	3
##	609650342740625	0	9
##	609650351386763	0	8
##	609650360534541	0	6
##	609650366573078	1	0
##	609650384894637	0	1
##	609650386282953	0	4
##	609650402919241	0	6
##	609650412460443	0	6
##	609650421817516	0	1
##	609650426985316	0	4
##	609650428079611	0	1
##	609650433908856	0	6
##	609650434029651	0	1
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##	609650455037662	0	3
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##	609650456980044	0	3
##	609650465853093	0	12
##	609650466256166	0	4
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##	609650474981997	0	6
##	609650483053934	0	4
##	609650485891380	0	4
##	609650490246747	0	7
##	609650497120372	0	3
##	609650504777912	0	1
##	609650509452463	0	4
##	609650511457343	0	6
##	609650518866579	0	6
##	609650519049033	0	6
##	609650543867149	0	4
##	609650544269802	0	1
##	609650559260243	0	1
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##	609650578262958	0	9
##	609650581762266	0	1
##	609650585307711	1	0
##	609650586124761	1	0
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##	609650609197208	0	4

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##	609650630773128	0	2
##	609650633960377	0	4
##	609650641477410	0	1
##	609650644528766	0	1
##	609650654960420	0	1
##	609650660288024	0	1