Adjusted Daily Evaporation w/load factor 0.96 and normalize by 1.026 factor of heat load difference between OT/CT (Ac-ft)

New Cooling Tower:
On=1 / Off=0 0

Use Radiation Factor:
Yes=1 / No=0 0
Radiation Factor= 0.144

New OT Unit: On=1 / Off=0 0

1978-2003	*Evap Loss for Future Unit Evap Loss, ac-ft*	Cumulative CT Loss (ac-ft) DAYS 7	14	30	New CT Unit Adjusted Daily Evap, ac-ft
10/1/1978	0	0	0	0	67.48958164
10/2/1978	0	0	0	0	67.88507603
10/3/1978	0	0	0	0	67.15908796
10/4/1978	0	0	0	0	67.30635574
10/5/1978	0	0	0	0	67.95359467
10/6/1978	0	0	0	0	68.3950487
10/7/1978	0	0	0	0	65.76375223
10/8/1978	0	0	0	0	65.06241516
10/9/1978	0	0	0	0	63.87288467
10/10/1978	0	0	0	0	65.18824641
10/11/1978	0	0	0	0	65.80170856
10/12/1978	0	0	0	0	67.68869858
10/13/1978	0	0	0	0	69.13438814
10/14/1978	0	0	0	0	68.23500501
10/15/1978	0	0	0	0	64.78240525
10/16/1978	0	0	0	0	64.39859783
10/17/1978	0	0	0	0	63.96752223
10/18/1978	0	0	0	0	63.97801285
10/19/1978	0	0	0	0	65.15330512
10/20/1978	0	0	0	0	65.63104615
10/21/1978	0	0	0	0	65.52354123
10/22/1978	0	0	0	0	67.1966231
10/23/1978	0	0	0	0	68.293508
10/24/1978	0	0	0	0	64.08671821
10/25/1978	0	0	0	0	64.66163396
10/26/1978	0	0	0	0	68.96704856
10/27/1978	0	0	0	0	67.5875175
10/28/1978	0	0	0	0	65.2665581
10/29/1978	0	0	0	0	65.84037423
10/30/1978	0	0	0	0	65.31899506
10/31/1978	0	0	0	0	65.57831384
11/1/1978	0	0	0	0	65.30266877
11/2/1978	0	0	0	0	64.51200898

11/3/1978	0	0	0	0	65.37158013
11/4/1978	0	0	0	0	65.28846288
11/5/1978	0	0	0	0	66.28553345
11/6/1978	0	0	0	0	66.21024202
11/7/1978	0	0	0	0	68.15156505
11/8/1978	0	0	0	0	64.44863663
11/9/1978	0	0	0	0	64.13633245
11/10/1978	0	0	0	0	65.22613073
11/11/1978	0	0	0	0	65.42330363
11/12/1978	0	0	0	0	65.44606358
11/13/1978	0	0	0	0	65.59964542
11/14/1978	0	0	0	0	65.91614453
11/15/1978	0	0	0	0	66.60517614
11/16/1978	0	0	0	0	64.30952467
11/17/1978	0	0	0	0	65.32768992
11/18/1978	0	0	0	0	68.29047178
11/19/1978	0	0	0	0	63.5848419
11/20/1978	0	0	0	0	63.37977008
11/21/1978	0	0	0	0	64.1098126
11/22/1978	0	0	0	0	63.89117554
11/23/1978	0	0	0	0	63.80829279
11/24/1978	0	0	0	0	65.52668416
11/25/1978	0	0	0	0	61.94308376
11/26/1978	0	0	0	0	61.74761412
11/27/1978	0	0	0	0	61.50218183
11/28/1978	0	0	0	0	64.4277862
11/29/1978	0	0	0	0	61.93649229
11/30/1978	0	0	0	0	62.74625753
12/1/1978	0	0	0	0	62.05133628
12/2/1978	0	0	0	0	62.50782651
12/3/1978	0	0	0	0	63.21819924
12/4/1978	0	0	0	0	67.88777852
12/5/1978	0	0	0	0	64.14135362
12/6/1978	0	0	0	0	63.70744864
12/7/1978	0	0	0	0	64.23357746
12/8/1978	0	0	0	0	68.2315195
12/9/1978	0	0	0	0	66.01060013
12/10/1978	0	0	0	0	59.73958129
12/11/1978	0	0	0	0	59.09184307
12/12/1978	0	0	0	0	59.94885129
12/13/1978	0	0	0	0	62.5977924
12/14/1978	0	0	0	0	61.59106219
12/15/1978	0	0	0	0	62.23995855
12/16/1978	0	0	0	0	62.42837802
12/17/1978	0	0	0	0	63.39148099
12/18/1978	0	0	0	0	62.36138912
12/19/1978	0	0	0	0	62.41615128
12/20/1978	0	0	0	0	62.66571641
12/21/1978	0	0	0	0	65.0113647
12/22/1978	0	0	0	0	60.90616714
12/23/1978	0	0	0	0	61.17814214
12/24/1978	0	0	0	0	61.58732948

12/25/1978	0	0	0	0	62.7844269
12/26/1978	0	0	0	0	62.65225966
12/27/1978	0	0	0	0	60.84823594
12/28/1978	0	0	0	0	58.44237777
12/29/1978	0	0	0	0	58.64481397
12/30/1978	0	0	0	0	60.08332116
12/31/1978	0	0	0	0	62.42239322
1/1/1979	0	0	0	0	66.91419006
1/2/1979	0	0	0	0	64.91022566
1/3/1979	0	0	0	0	56.62364135
1/4/1979	0	0	0	0	57.48227403
1/5/1979	0	0	0	0	59.74500039
1/6/1979	0	0	0	0	60.20347975
1/7/1979	0	0	0	0	63.30506211
1/8/1979	0	0	0	0	62.71453989
1/9/1979	0	0	0	0	58.3865261
1/10/1979	0	0	0	0	58.59863306
1/11/1979	0	0	0	0	58.35380892
1/12/1979	0	0	0	0	58.23525999
1/13/1979	0	0	0	0	59.38106506
1/14/1979	0	0	0	0	61.36662358
1/15/1979	0	0	0	0	59.22708099
1/16/1979	0	0	0	0	60.87341428
1/17/1979	0	0	0	0	62.27512909
1/18/1979	0	0	0	0	61.40578691
1/19/1979	0	0	0	0	57.58839741
1/20/1979	0	0	0	0	58.99829132
1/21/1979	0	0	0	0	64.42272347
1/22/1979	0	0	0	0	61.42574343
1/23/1979	0	0	0	0	60.59404273
1/24/1979	0	0	0	0	64.47472278
1/25/1979	0	0	0	0	61.16843871
1/26/1979	0	0	0	0	61.84029816
1/27/1979	0	0	0	0	61.7514523
1/28/1979	0	0	0	0	61.26379808
1/29/1979	0	0	0	0	62.23727229
1/30/1979	0	0	0	0	60.72913546
1/31/1979	0	0	0	0	58.82962578
2/1/1979	0	0	0	0	59.7353722
2/2/1979	0	0	0	0	59.55694967
2/3/1979	0	0	0	0	58.51834848
2/4/1979	0	0	0	0	61.75889231
2/5/1979	0	0	0	0	59.337691
2/6/1979	0	0	0	0	57.85283161
2/7/1979	0	0	0	0	57.74905476
2/8/1979	0	0	0	0	58.41482856
2/9/1979	0	0	0	0	56.6898571
2/10/1979	0	0	0	0	55.39960748
2/11/1979	0	0	0	0	55.04683185
2/12/1979	0	0	0	0	57.97653259
2/13/1979	0	0	0	0	56.07593953
2/14/1979	0	0	0	0	56.50239959

2/15/1979	0	0	0	0	58.62835384
2/16/1979	0	0	0	0	58.72555208
2/17/1979	0	0	0	0	55.12158814
2/18/1979	0	0	0	0	53.88978267
2/19/1979	0	0	0	0	57.87300563
2/20/1979	0	0	0	0	58.19858947
2/21/1979	0	0	0	0	61.51402694
2/22/1979	0	0	0	0	62.3011633
2/23/1979	0	0	0	0	61.93189192
2/24/1979	0	0	0	0	61.55963332
2/25/1979	0	0	0	0	61.76534568
2/26/1979	0	0	0	0	61.55251795
2/27/1979	0	0	0	0	61.86037011
2/28/1979	0	0	0	0	62.30356476
3/1/1979	0	0	0	0	63.15048607
3/2/1979	0	0	0	0	64.0817026
3/3/1979	0	0	0	0	62.46107941
3/4/1979	0	0	0	0	65.82966512
3/5/1979	0	0	0	0	67.05009453
3/6/1979	0	0	0	0	65.66888029
3/7/1979	0	0	0	0	63.2988464
3/8/1979	0	0	0	0	63.31489586
3/9/1979	0	0	0	0	64.64373319
3/10/1979	0	0	0	0	66.52479749
3/11/1979	0	0	0	0	61.38255633
3/12/1979	0	0	0	0	61.74387008
3/13/1979	0	0	0	0	64.52640317
3/14/1979	0	0	0	0	66.26143986
3/15/1979	0	0	0	0	61.45850584
3/16/1979	0	0	0	0	60.53520407
3/17/1979	0	0	0	0	63.19549609
3/18/1979	0	0	0	0	64.67952412
3/19/1979	0	0	0	0	63.51880646
3/20/1979	0	0	0	0	63.84628362
3/21/1979	0	0	0	0	64.8098678
3/22/1979	0	0	0	0	64.84701754
3/23/1979	0	0	0	0	65.75749286
3/24/1979	0	0	0	0	66.21417021
3/25/1979	0	0	0	0	64.21630605
3/26/1979	0	0	0	0	63.27052509
3/27/1979	0	0	0	0	62.54673861
3/28/1979	0	0	0	0	63.29980299
3/29/1979	0	0	0	0	68.15559186
3/30/1979	0	0	0	0	70.26917413
3/31/1979	0	0	0	0	70.48091692
4/1/1979	0	0	0	0	68.72535331
4/2/1979	0	0	0	0	68.72816028
4/3/1979	0	0	0	0	66.04819994
4/4/1979	0	0	0	0	63.89394414
4/5/1979	0	0	0	0	65.70613176
4/6/1979	0	0	0	0	65.1338994
4/7/1979	0	0	0	0	63.44973368

4/8/1979	0	0	0	0	65.46411801
4/9/1979	0	0	0	0	66.56205829
4/10/1979	0	0	0	0	64.13530544
4/11/1979	0	0	0	0	65.75135217
4/12/1979	0	0	0	0	68.38707182
4/13/1979	0	0	0	0	64.79151639
4/14/1979	0	0	0	0	64.80959184
4/15/1979	0	0	0	0	66.52859062
4/16/1979	0	0	0	0	64.86329592
4/17/1979	0	0	0	0	64.93173858
4/18/1979	0	0	0	0	66.01001701
4/19/1979	0	0	0	0	66.16755375
4/20/1979	0	0	0	0	65.76848629
4/21/1979	0	0	0	0	66.9917593
4/22/1979	0	0	0	0	68.59732641
4/23/1979	0	0	0	0	69.27228358
4/24/1979	0	0	0	0	67.99722545
4/25/1979	0	0	0	0	68.7862641
4/26/1979	0	0	0	0	67.27743361
4/27/1979	0	0	0	0	68.34197544
4/28/1979	0	0	0	0	66.5864027
4/29/1979	0	0	0	0	65.83953412
4/30/1979	0	0	0	0	66.72133394
5/1/1979	0	0	0	0	67.52923499
5/2/1979	0	0	0	0	67.12846643
5/3/1979	0	0	0	0	68.80963107
5/4/1979	0	0	0	0	68.77280846
5/5/1979	0	0	0	0	66.10643825
5/6/1979	0	0	0	0	66.79622166
5/7/1979	0	0	0	0	68.68057745
5/8/1979	0	0	0	0	69.88985867
5/9/1979	0	0	0	0	70.2399727
5/10/1979	0	0	0	0	69.43118261
5/11/1979	0	0	0	0	70.48900875
5/12/1979	0	0	0	0	69.77396068
5/13/1979	0	0	0	0	69.7262762
5/14/1979	0	0	0	0	66.98058264
5/15/1979	0	0	0	0	68.03595795
5/16/1979	0	0	0	0	68.2130828
5/17/1979	0	0	0	0	67.28645171
5/18/1979	0	0	0	0	66.67900397
5/19/1979	0	0	0	0	66.56353486
5/20/1979	0	0	0	0	68.15897527
5/21/1979	0	0	0	0	68.36023015
5/22/1979	0	0	0	0	68.92501401
5/23/1979	0	0	0	0	69.73819953
5/24/1979	0	0	0	0	69.49322679
5/25/1979	0	0	0	0	68.31581345
5/26/1979	0	0	0	0	65.72225539
5/27/1979	0	0	0	0	68.44890516
5/28/1979	0	0	0	0	68.50376226
5/29/1979	0	0	0	0	69.28525795

5/30/1979	0	0	0	0	69.84463232
5/31/1979	0	0	0	0	69.87727238
6/1/1979	0	0	0	0	70.79218669
6/2/1979	0	0	0	0	69.95070997
6/3/1979	0	0	0	0	68.6936361
6/4/1979	0	0	0	0	67.94714469
6/5/1979	0	0	0	0	69.70438512
6/6/1979	0	0	0	0	70.63788518
6/7/1979	0	0	0	0	71.00906334
6/8/1979	0	0	0	0	70.95412813
6/9/1979	0	0	0	0	71.36393871
6/10/1979	0	0	0	0	71.41804124
6/11/1979	0	0	0	0	69.05516833
6/12/1979	0	0	0	0	69.09533128
6/13/1979	0	0	0	0	69.21610181
6/14/1979	0	0	0	0	68.66715288
6/15/1979	0	0	0	0	68.70069569
6/16/1979	0	0	0	0	69.11755398
6/17/1979	0	0	0	0	69.17769368
6/18/1979	0	0	0	0	71.37348147
6/19/1979	0	0	0	0	69.56112633
6/20/1979	0	0	0	0	69.05147621
6/21/1979	0	0	0	0	67.67371982
6/22/1979	0	0	0	0	70.81579628
6/23/1979	0	0	0	0	71.32338003
6/24/1979	0	0	0	0	68.23475106
6/25/1979	0	0	0	0	67.43031531
6/26/1979	0	0	0	0	67.88530742
6/27/1979	0	0	0	0	68.46363115
6/28/1979	0	0	0	0	69.47894434
6/29/1979	0	0	0	0	70.84247989
6/30/1979	0	0	0	0	70.62008362
7/1/1979	0	0	0	0	70.25620674
7/2/1979	0	0	0	0	71.16629819
7/3/1979	0	0	0	0	70.86118747
7/4/1979	0	0	0	0	69.194712
7/5/1979	0	0	0	0	68.97113401
7/6/1979	0	0	0	0	68.95652863
7/7/1979	0	0	0	0	69.52783152
7/8/1979	0	0	0	0	70.16932148
7/9/1979	0	0	0	0	70.4149059
7/10/1979	0	0	0	0	70.14333443
7/11/1979	0	0	0	0	70.49974994
7/12/1979	0	0	0	0	72.03568554
7/13/1979	0	0	0	0	72.06699727
7/14/1979	0	0	0	0	71.35782827
7/15/1979	0	0	0	0	71.23871478
7/16/1979	0	0	0	0	71.84828787
7/17/1979	0	0	0	0	71.51752286
7/18/1979	0	0	0	0	70.82049469
7/19/1979	0	0	0	0	70.40360826
7/20/1979	0	0	0	0	70.89932812

7/21/1979	0	0	0	0	69.46166308
7/22/1979	0	0	0	0	70.48442159
7/23/1979	0	0	0	0	71.3457773
7/24/1979	0	0	0	0	71.19817971
7/25/1979	0	0	0	0	71.97186707
7/26/1979	0	0	0	0	71.9262869
7/27/1979	0	0	0	0	71.68699794
7/28/1979	0	0	0	0	72.20416739
7/29/1979	0	0	0	0	71.85193119
7/30/1979	0	0	0	0	70.13363517
7/31/1979	0	0	0	0	71.26249508
8/1/1979	0	0	0	0	72.42105395
8/2/1979	0	0	0	0	71.4668522
8/3/1979	0	0	0	0	70.90754911
8/4/1979	0	0	0	0	71.74632347
8/5/1979	0	0	0	0	72.11729302
8/6/1979	0	0	0	0	72.65673041
8/7/1979	0	0	0	0	71.8236458
8/8/1979	0	0	0	0	72.08839697
8/9/1979	0	0	0	0	71.46134295
8/10/1979	0	0	0	0	73.24189377
8/11/1979	0	0	0	0	71.75856253
8/12/1979	0	0	0	0	67.72598258
8/13/1979	0	0	0	0	68.71598704
8/14/1979	0	0	0	0	70.22635916
8/15/1979	0	0	0	0	70.23497526
8/16/1979	0	0	0	0	68.36256978
8/17/1979	0	0	0	0	69.08691323
8/18/1979	0	0	0	0	69.4105477
8/19/1979	0	0	0	0	70.66819897
8/20/1979	0	0	0	0	71.09568175
8/21/1979	0	0	0	0	70.11243302
8/22/1979	0	0	0	0	69.87624603
8/23/1979	0	0	0	0	70.78523591
8/24/1979	0	0	0	0	71.62798265
8/25/1979	0	0	0	0	71.93657942
8/26/1979	0	0	0	0	72.49702305
8/27/1979	0	0	0	0	71.64376722
8/28/1979	0	0	0	0	70.60275092
8/29/1979	0	0	0	0	71.32530738
8/30/1979	0	0	0	0	71.65850895
8/31/1979	0	0	0	0	71.70784183
9/1/1979	0	0	0	0	71.01073912
9/2/1979	0	0	0	0	70.8241721
9/3/1979	0	0	0	0	70.5039664
9/4/1979	0	0	0	0	70.91518084
9/5/1979	0	0	0	0	70.44233167
9/6/1979	0	0	0	0	72.02187458
9/7/1979	0	0	0	0	71.24982901
9/8/1979	0	0	0	0	69.18190745
9/9/1979	0	0	0	0	68.34347225
9/10/1979	0	0	0	0	68.99030264

9/11/1979	0	0	0	0	69.72210477
9/12/1979	0	0	0	0	69.65136245
9/13/1979	0	0	0	0	69.94000506
9/14/1979	0	0	0	0	71.43261047
9/15/1979	0	0	0	0	68.96338438
9/16/1979	0	0	0	0	68.01990738
9/17/1979	0	0	0	0	68.00615265
9/18/1979	0	0	0	0	68.60149299
9/19/1979	0	0	0	0	69.4223482
9/20/1979	0	0	0	0	67.79836129
9/21/1979	0	0	0	0	69.29092415
9/22/1979	0	0	0	0	69.1486157
9/23/1979	0	0	0	0	67.26287712
9/24/1979	0	0	0	0	67.32955471
9/25/1979	0	0	0	0	67.18170865
9/26/1979	0	0	0	0	68.71451227
9/27/1979	0	0	0	0	69.32917143
9/28/1979	0	0	0	0	69.62827704
9/29/1979	0	0	0	0	69.69683584
9/30/1979	0	0	0	0	69.38328252
10/1/1979	0	0	0	0	69.43244694
10/2/1979	0	0	0	0	69.65471928
10/3/1979	0	0	0	0	68.3096918
10/4/1979	0	0	0	0	67.92703377
10/5/1979	0	0	0	0	66.65287487
10/6/1979	0	0	0	0	66.08982421
10/7/1979	0	0	0	0	66.76812949
10/8/1979	0	0	0	0	66.26659376
10/9/1979	0	0	0	0	68.13997128
10/10/1979	0	0	0	0	61.98408398
10/11/1979	0	0	0	0	63.60307358
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10/14/1979	0	0	0	0	63.52160659
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10/16/1979	0	0	0	0	65.73406166
10/17/1979	0	0	0	0	66.94912457
10/18/1979	0	0	0	0	67.30057456
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4/10/2003	0	0	#REF!	#REF!	62.33597853

1 New Unit = 0.96x9.86E9 BTU/hr	2 Existing Unit Rated = 0.93*13.5E9 BTU/jr

Radiation Factor Method

MIT Method

New Unit OT Evap Loss, CT*(1-f), ac-ft	2 Existing Rated OT Unit Evap Adjustment based on Delta Mwe from Historical =ct*(1-F)*(DeltaMW)/(9.86e9) Ac-ft	**0.93*13.5E9 BTU/hr - Historical Rejected Heat)**	2 Units Rated Evap, ac-ft
57.77108189	0.000	6.53E+09	144.0488179
58.10962508	0.000	6.53E+09	226.4469682
57.4881793	0.000	6.50E+09	185.5800081
57.61424051	0.000	6.47E+09	143.4782286
58.16827704	0.000	6.47E+09	125.0897627
58.54616169	0.000	6.47E+09	200.2947329
56.29377191	0.000	6.47E+09	255.944232
55.69342738	0.000	6.47E+09	266.1528311
54.67518928	0.000	6.47E+09	212.4236093
55.80113893	0.000	6.47E+09	168.1105916
56.32626252	0.000	6.47E+09	136.644947
57.94152599	0.000	6.47E+09	119.3794286
59.17903625	0.000	7.10E+09	122.6790946
58.40916429	0.000	7.03E+09	148.2574594
55.4537389	0.000	7.03E+09	243.6558044
55.12519975	0.000	7.03E+09	200.7123797
54.75619903	0.000	7.03E+09	232.7761609
54.765179	0.000	6.59E+09	161.4522402
55.77122918	0.000	6.58E+09	157.8438965
56.1801755	0.000	6.53E+09	163.2289235
56.0881513	0.000	6.53E+09	130.4875283
57.52030937	0.000	6.53E+09	109.4572054
58.45924285	0.000	6.53E+09	108.3785825
54.85823079	0.000	6.51E+09	230.5681404
55.35035867	0.000	6.47E+09	193.1332062
59.03579356	0.000	6.47E+09	123.3561962
57.85491498	0.000	6.47E+09	139.3868707
55.86817374	0.000	6.47E+09	120.5712712
56.35936034	0.000	6.47E+09	143.5217673
55.91305977	0.000	6.47E+09	179.1305239
56.13503665	0.000	6.47E+09	115.7290611
55.89908447	0.000	6.28E+09	122.4311945
55.22227968	0.000	6.28E+09	97.76238534

55.95807259	0.000	6.28E+09	141.858131
55.88692422	0.000	6.28E+09	126.757419
56.74041663	0.000	6.28E+09	106.6612089
56.67596717	0.000	6.28E+09	95.34993021
58.33773968	0.000	6.28E+09	102.9909381
55.16803296	0.000	6.28E+09	130.2199033
54.90070058	0.000	6.28E+09	88.12861099
55.8335679	0.000	6.28E+09	76.71605334
56.00234791	0.000	6.28E+09	67.2300022
56.02183042	0.000	6.28E+09	88.95272477
56.15329648	0.000	6.28E+09	86.50263107
56.42421972	0.000	6.28E+09	81.96777251
57.01403077	0.000	6.28E+09	45.71616657
55.04895311	0.000	6.28E+09	120.7272915
55.92050257	0.000	6.28E+09	75.94464263
58.45664385	0.000	6.28E+09	68.5136287
54.42862467	0.000	6.28E+09	139.0382282
54.25308319	0.000	6.28E+09	130.893737
54.87799958	0.000	6.28E+09	109.6416832
54.69084626	0.000	6.28E+09	129.1878314
54.61989863	0.000	6.28E+09	113.5021886
56.09084164	0.000	6.28E+09	140.00373
53.02327969	0.000	6.28E+09	184.7959951
52.85595769	0.000	6.28E+09	139.9744002
52.64586765	0.000	6.28E+09	133.591475
55.15018498	0.000	9.67E+09	99.88887463
53.0176374	0.000	1.26E+10	124.4012854
53.71079645	0.000	1.26E+10	75.68053947
53.11594386	0.000	1.26E+10	113.0921494
53.50669949	0.000	1.26E+10	88.36878448
54.11477855	0.000	1.26E+10	82.52026892
58.11193842	0.000	1.26E+10	9.86716207
54.9049987	0.000	1.26E+10	64.67837279
54.53357603	0.000	1.26E+10	87.45997771
54.9839423	0.000	1.26E+10	69.225794
58.40618069	0.000	1.26E+10	10.32138389
56.50507372	0.000	8.90E+09	65.95015537
51.13708159	0.000	1.04E+10	198.9999171
50.58261767	0.000	7.93E+09	127.0645993
51.31621671	0.000	6.76E+09	97.48745055
53.5837103	0.000	6.28E+09	154.6623444
52.72194923	0.000	6.28E+09	185.5228316
53.27740452	0.000	6.28E+09	168.5477359
53.43869159	0.000	6.28E+09	105.238544
54.26310773	0.000	6.28E+09	194.0820467
53.38134908	0.000	6.28E+09	166.0096171
53.4282255	0.000	6.28E+09	94.0484942
53.64185325	0.000	6.28E+09	86.92319182
55.64972818	0.000	6.28E+09	97.98269962
52.13567907	0.000	6.28E+09	100.99386
52.36848967	0.000	6.28E+09	73.56844521
52.71875404	0.000	6.28E+09	70.80747176

53.74346943	0.000	6.28E+09	130.9819068
53.63033427	0.000	6.28E+09	101.3281805
52.08608997	0.000	6.28E+09	139.8291671
50.02667537	0.000	6.28E+09	127.6359892
50.19996076	0.000	6.28E+09	100.9311466
51.43132291	0.000	9.42E+09	59.36452454
53.4335686	0.000	9.51E+09	29.44553852
57.27854669	0.000	6.34E+09	4.28033972
55.56315317	0.000	6.34E+09	13.61069435
48.46983699	0.000	6.34E+09	183.4484541
49.20482657	0.000	6.34E+09	124.3173987
51.14172033	0.000	6.34E+09	84.30737442
51.53417866	0.000	6.34E+09	64.37599375
54.18913316	0.000	7.88E+09	23.49513346
53.68364614	0.000	8.16E+09	66.07513924
49.97886634	0.000	6.59E+09	110.2304243
50.1604299	0.000	6.59E+09	78.36068547
49.95086044	0.000	6.59E+09	125.0147196
49.84938255	0.000	6.59E+09	110.0300575
50.83019169	0.000	6.59E+09	76.60821371
52.52982978	0.000	6.53E+09	86.17668599
50.69838133	0.000	6.47E+09	98.15299908
52.10764262	0.000	6.47E+09	86.39456765
53.3075105	0.000	6.47E+09	57.38804307
52.5633536	0.000	6.47E+09	115.1109838
49.29566819	0.000	6.47E+09	102.862164
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55.14585129	0.000	6.47E+09	14.72225506
52.58043638	0.000	6.47E+09	76.40897958
51.86850058	0.000	6.47E+09	53.97050609
55.1903627	0.000	6.47E+09	9.36996465
52.36018353	0.000	6.47E+09	131.017129
52.93529522	0.000	6.47E+09	97.16694703
52.85924317	0.000	6.47E+09	50.41248073
52.44181116	0.000	6.40E+09	80.35158415
53.27510508	0.000	6.40E+09	108.6142558
51.98413996	0.000	6.40E+09	97.15541822
50.35815967	0.000	6.40E+09	67.04301854
51.1334786	0.000	6.40E+09	157.81086
50.98074892	0.000	6.40E+09	117.3123054
50.0917063	0.000	6.40E+09	62.25988891
52.86561181	0.000	6.40E+09	68.34386575
50.79306349	0.000	6.40E+09	111.6251732
49.52202385	0.000	6.40E+09	83.63310053
49.43319088	0.000	6.40E+09	85.20728251
50.00309325	0.000	6.40E+09	70.73533548
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47.42206401	0.000	6.40E+09	107.4325109
47.12008806	0.000	6.40E+09	91.49954903
49.6279119	0.000	6.40E+09	80.45846835
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48.36605405	0.000	6.40E+09	73.47659046

50.18587089	0.000	6.40E+09	58.52706361
50.26907258	0.000	6.40E+09	79.93271274
47.18407945	0.000	6.40E+09	141.4221094
46.12965397	0.000	6.40E+09	124.3380687
49.53929282	0.000	9.48E+09	97.89495771
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53.32979578	0.000	6.47E+09	11.30964126
53.01369949	0.000	6.47E+09	16.63829558
52.69504612	0.000	6.47E+09	16.33666581
52.8711359	0.000	6.47E+09	20.84521202
52.68895537	0.000	6.47E+09	26.01010507
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53.33185143	0.000	6.47E+09	23.6435653
54.05681608	0.000	6.47E+09	18.31634105
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56.35019335	0.000	6.47E+09	8.48861421
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54.18381252	0.000	6.47E+09	42.84924202
54.19755086	0.000	6.47E+09	31.84188337
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52.54346821	0.000	1.26E+10	103.4867139
52.85275278	0.000	1.26E+10	92.31734826
55.23460111	0.000	1.26E+10	71.24883925
56.71979252	0.000	1.26E+10	48.62992799
52.608481	0.000	1.26E+10	138.557433
51.81813468	0.000	1.26E+10	88.81383038
54.09534465	0.000	1.26E+10	55.59860873
55.36567264	0.000	1.26E+10	73.37049548
54.37209833	0.000	1.26E+10	65.16578745
54.65241878	0.000	1.26E+10	70.27815207
55.47724684	0.000	1.26E+10	82.40202094
55.50904701	0.000	1.26E+10	60.11844333
56.28841389	0.000	6.47E+09	51.29861961
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54.96915798	0.000	6.47E+09	97.44918604
54.15956948	0.000	6.47E+09	114.7571812
53.54000825	0.000	6.47E+09	95.96174028
54.18463136	0.000	6.47E+09	119.6875271
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58.82890243	0.000	6.47E+09	12.22233483
58.8313052	0.000	6.47E+09	22.57714134
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55.75461789	0.000	1.26E+10	244.7072431
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56.03728502	0.000	1.26E+10	133.5615947
56.9771219	0.000	1.26E+10	139.4102708
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56.28315745	0.000	1.04E+10	93.03925592
58.53933348	0.000	6.40E+09	31.19402964
55.46153803	0.000	6.40E+09	98.30155909
55.47701062	0.000	6.40E+09	138.8888956
56.94847357	0.000	6.40E+09	182.536046
55.5229813	0.000	6.40E+09	173.1853011
55.58156823	0.000	6.40E+09	162.3184738
56.50457456	0.000	6.40E+09	156.1993967
56.63942601	0.000	6.40E+09	151.368048
56.29782427	0.000	6.40E+09	132.4271505
57.34494596	0.000	6.40E+09	129.6647618
58.71931141	0.000	6.40E+09	39.40644411
59.29707474	0.000	6.40E+09	42.11310275
58.20562498	0.000	6.40E+09	23.32715458
58.88104207	0.000	6.40E+09	42.03626766
57.58948317	0.000	6.40E+09	56.83560576
58.50073098	0.000	1.26E+10	38.60575671
56.99796071	0.000	6.40E+09	123.3863812
56.35864121	0.000	6.40E+09	153.0477636
57.11346185	0.000	6.40E+09	124.4999385
57.80502515	0.000	6.40E+09	164.0740569
57.46196727	0.000	9.48E+09	142.8130724
58.9010442	0.000	9.67E+09	123.4612624
58.86952404	0.000	6.40E+09	50.86657865
56.58711115	0.000	6.28E+09	196.7807686
57.17756574	0.000	6.28E+09	146.1784217
58.7905743	0.000	6.28E+09	107.1622094
59.82571902	0.000	6.28E+09	53.87384396
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59.68569243	0.000	6.47E+09	77.98139565
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58.23878001	0.000	6.47E+09	131.4516578
58.39039887	0.000	6.34E+09	228.2126027
57.59720266	0.000	6.34E+09	264.7852797
57.0772274	0.000	6.34E+09	251.9251233
56.97838584	0.000	6.34E+09	164.6156277
58.34408283	0.000	6.34E+09	117.3517512
58.516357	0.000	6.34E+09	104.8708913
58.99981199	0.000	6.34E+09	69.77211865
59.6958988	0.000	6.34E+09	80.03326816
59.48620214	0.000	6.34E+09	98.69988285
58.47833631	0.000	6.34E+09	199.752898
56.25825061	0.000	9.48E+09	321.3300806
58.59226282	0.000	6.40E+09	263.5342781
58.63922049	0.000	6.40E+09	149.0916536
59.30818081	0.000	8.14E+09	104.1767631

59.78700527	0.000	9.90E+09	127.0552003
59.81494516	0.000	6.47E+09	64.3605275
60.59811181	0.000	6.47E+09	64.74902343
59.87780774	0.000	6.47E+09	79.97801546
58.8017525	0.000	6.47E+09	132.7416353
58.16275585	0.000	6.47E+09	196.8331662
59.66695366	0.000	9.51E+09	129.4921403
60.46602972	0.000	1.26E+10	136.9507945
60.78375822	0.000	1.26E+10	122.4288183
60.73673368	0.000	1.26E+10	132.2935908
61.08753153	0.000	1.26E+10	116.4808595
61.1338433	0.000	1.26E+10	138.9073584
59.11122409	0.000	1.26E+10	279.4383274
59.14560358	0.000	1.26E+10	239.7465199
59.24898315	0.000	1.26E+10	244.7391045
58.77908286	0.000	1.26E+10	268.0163162
58.80779551	0.000	1.26E+10	211.3348431
59.16462621	0.000	1.26E+10	191.1667519
59.21610579	0.000	1.26E+10	202.0920104
61.09570013	0.000	1.26E+10	155.5738231
59.54432414	0.000	1.26E+10	245.2913981
59.10806364	0.000	1.26E+10	222.2452767
57.92870417	0.000	1.26E+10	243.9863872
60.61832161	0.000	1.26E+10	154.9669231
61.0528133	0.000	1.26E+10	166.1186913
58.40894691	0.000	1.26E+10	248.7940509
57.7203499	0.000	1.26E+10	290.8819629
58.10982316	0.000	1.26E+10	251.871593
58.60486826	0.000	1.26E+10	197.5770887
59.47397636	0.000	1.26E+10	166.2156216
60.64116279	0.000	1.26E+10	169.7103542
60.45079158	0.000	1.26E+10	173.4507468
60.13931297	0.000	1.26E+10	191.0267087
60.91835125	0.000	1.26E+10	264.8544016
60.65717647	0.000	1.26E+10	177.0709972
59.23067347	0.000	1.26E+10	185.6243416
59.03929071	0.000	1.26E+10	293.6855091
59.02678851	0.000	1.26E+10	229.5109016
59.51582378	0.000	1.26E+10	200.2450339
60.06493918	0.000	6.28E+09	164.7930698
60.27515945	0.000	6.28E+09	184.1092391
60.04269427	0.000	1.06E+10	147.8283409
60.34778595	0.000	6.40E+09	105.8458239
61.66254683	0.000	6.28E+09	105.7005375
61.68934966	0.000	6.28E+09	94.06476688
61.082301	0.000	6.28E+09	126.0747873
60.98033985	0.000	6.28E+09	120.4256783
61.50213442	0.000	6.28E+09	142.8401343
61.21899957	0.000	6.28E+09	114.1030933
60.62234345	0.000	6.28E+09	118.0270696
60.26548867	0.000	1.26E+10	151.2855805
60.68982487	0.000	6.28E+09	128.4018036

59.4591836	0.000	6.28E+09	194.4169082
60.33466488	0.000	6.28E+09	132.7568323
61.07198537	0.000	6.28E+09	163.0622973
60.94564183	0.000	7.85E+09	180.6909306
61.60791821	0.000	6.28E+09	178.6570696
61.56890158	0.000	6.28E+09	194.6479068
61.36407023	0.000	6.28E+09	137.6757462
61.80676729	0.000	6.28E+09	135.2129291
61.5052531	0.000	6.28E+09	161.5505899
60.03439171	0.000	6.28E+09	230.9719987
61.00069579	0.000	6.28E+09	145.6876643
61.99242218	0.000	6.28E+09	137.4554695
61.17562548	0.000	6.28E+09	176.7435153
60.69686204	0.000	6.28E+09	166.0845144
61.41485289	0.000	6.28E+09	200.2065278
61.73240282	0.000	7.38E+09	187.299957
62.19416123	0.000	8.48E+09	184.778307
61.48104081	0.000	8.48E+09	198.6561532
61.7076678	0.000	7.38E+09	218.7723073
61.17090957	0.000	6.28E+09	208.2587189
62.69506107	0.000	6.28E+09	211.4561027
61.42532952	0.000	6.28E+09	246.5764812
57.97344109	0.000	6.28E+09	438.9046625
58.82088491	0.000	6.28E+09	345.4839642
60.11376344	0.000	8.29E+09	291.2223366
60.12113883	0.000	6.28E+09	361.3273291
58.51835973	0.000	6.28E+09	349.389587
59.13839773	0.000	6.28E+09	247.1871037
59.41542884	0.000	6.28E+09	261.3954124
60.49197832	0.000	6.28E+09	131.8906848
60.85790358	0.000	6.28E+09	113.7338476
60.01624267	0.000	6.28E+09	203.2496612
59.81406661	0.000	6.28E+09	201.0430627
60.59216194	0.000	6.28E+09	163.3635077
61.31355315	0.000	6.28E+09	142.3704931
61.57771199	0.000	6.28E+09	154.9252608
62.05745173	0.000	6.28E+09	144.3367848
61.32706474	0.000	6.28E+09	165.1205306
60.43595479	0.000	6.28E+09	135.3135122
61.05446312	0.000	6.28E+09	118.2062258
61.33968366	0.000	6.28E+09	115.3136076
61.38191261	0.000	6.28E+09	174.0470538
60.78519269	0.000	6.28E+09	163.4909278
60.62549132	0.000	6.28E+09	163.2135324
60.35139524	0.000	6.28E+09	147.7185497
60.7033948	0.000	6.28E+09	134.2679806
60.29863591	0.000	6.28E+09	241.2432651
61.65072464	0.000	6.28E+09	214.5192259
60.98985363	0.000	6.28E+09	141.5035936
59.21971278	0.000	6.28E+09	337.213199
58.50201225	0.000	6.28E+09	307.1302136
59.05569906	0.000	6.28E+09	189.2094121

59.68212168	0.000	6.28E+09	151.2778742
59.62156626	0.000	6.28E+09	184.5693808
59.86864433	0.000	6.28E+09	195.7049148
61.14631456	0.000	6.28E+09	188.0680305
59.03265703	0.000	6.28E+09	258.3905227
58.22504072	0.000	6.28E+09	257.8008191
58.21326667	0.000	6.28E+09	197.6761893
58.722878	0.000	6.28E+09	172.5229643
59.42553006	0.000	6.28E+09	256.7366517
58.03539727	0.000	8.96E+09	243.0283566
59.31303108	0.000	6.28E+09	181.8869807
59.19121504	0.000	6.28E+09	162.3939166
57.57702282	0.000	6.28E+09	302.2477179
57.63409883	0.000	6.28E+09	278.4324197
57.50754261	0.000	6.28E+09	205.921663
58.81962251	0.000	6.28E+09	125.8846837
59.34577074	0.000	6.28E+09	144.9046123
59.60180515	0.000	6.28E+09	78.48091978
59.66049148	0.000	6.28E+09	52.7904965
59.39208984	0.000	6.28E+09	88.49517302
59.43417458	0.000	6.28E+09	109.5612506
59.6244397	0.000	9.49E+09	119.8675956
58.47309618	0.000	8.37E+09	223.0401769
58.14554091	0.000	6.28E+09	186.5706549
57.05486089	0.000	6.28E+09	230.3670014
56.57288953	0.000	6.28E+09	279.6700216
57.15351884	0.000	6.28E+09	310.5796544
56.72420426	0.000	6.28E+09	239.9381676
58.32781542	0.000	6.28E+09	237.3295164
53.05837588	0.000	6.28E+09	332.5244668
54.44423099	0.000	6.28E+09	197.7024591
56.97345537	0.000	6.28E+09	177.3746731
55.96398093	0.000	6.28E+09	164.3782243
54.37449524	0.000	6.28E+09	207.3962256
54.98298405	0.000	6.28E+09	174.6543592
56.26835678	0.000	6.28E+09	118.7110109
57.30845064	0.000	6.28E+09	89.70891533
57.60929182	0.000	6.28E+09	65.24153244
57.57457485	0.000	6.28E+09	79.86218441
58.49591144	0.000	6.28E+09	57.87605052
59.5240542	0.000	6.28E+09	57.12802046
59.33778608	0.000	6.28E+09	78.95737144
58.58278196	0.000	6.28E+09	110.7609268
54.98322296	0.000	6.28E+09	207.9898207
54.36443471	0.000	6.28E+09	171.168311
53.62784081	0.000	6.28E+09	200.0521733
53.38769545	0.000	6.28E+09	190.8529139
56.69226453	0.000	6.28E+09	182.0781143
56.55329469	0.000	6.28E+09	91.74486151
55.81485356	0.000	6.28E+09	133.0516116
55.42733333	0.000	6.28E+09	147.1950262
57.21543342	0.000	6.28E+09	115.8591951

58.50370493	0.000	6.28E+09	62.39872612
55.04566839	0.000	6.28E+09	214.0790681
54.22197716	0.000	6.47E+09	170.8490766
54.13121061	0.000	6.66E+09	158.6020523
54.7297611	0.000	6.66E+09	125.0912846
55.08262687	0.000	6.66E+09	160.1892524
54.12553684	0.000	6.72E+09	124.2557437
56.40844468	0.000	6.84E+09	97.60344512
58.26868991	0.000	6.91E+09	26.2396299
54.84203234	0.000	6.91E+09	154.7937387
54.07879108	0.000	6.91E+09	177.9252496
54.27360997	0.000	6.97E+09	139.7648173
53.88732642	0.000	6.97E+09	230.1412876
53.24406489	0.000	6.97E+09	148.0558817
54.28718476	0.000	7.10E+09	135.9410665
54.76308911	0.000	7.16E+09	129.3234425
56.03328836	0.000	7.71E+09	72.91239051
55.78490108	0.000	1.02E+10	63.23808768
55.97544992	0.000	1.04E+10	49.38046175
56.27324423	0.000	1.14E+10	55.98826524
56.787055	0.000	1.04E+10	68.98832647
58.30526467	0.000	1.04E+10	43.8751271
58.43027158	0.000	9.54E+09	25.88588293
57.68086831	0.000	8.85E+09	25.83989448
58.18756581	0.000	8.16E+09	68.36824904
56.36886941	0.000	7.41E+09	129.4781459
56.38753562	0.000	8.41E+09	146.3489524
52.86418917	0.000	1.08E+10	228.5137653
51.06858001	0.000	7.35E+09	189.5529117
51.70991262	0.000	1.26E+10	150.1494714
51.97145637	0.000	1.26E+10	232.243816
50.91011818	0.000	1.26E+10	164.6687608
52.92028993	0.000	1.26E+10	158.787318
53.43788262	0.000	1.26E+10	130.2472387
54.51843443	0.000	1.26E+10	95.52908608
54.31648805	0.000	1.26E+10	74.37328829
54.19368526	0.000	1.26E+10	154.6711453
51.6433698	0.000	1.26E+10	104.2314541
53.26290892	0.000	1.26E+10	83.51473805
54.70183084	0.000	1.26E+10	86.33792655
56.45555207	0.000	1.26E+10	38.97027211
56.17910646	0.000	1.26E+10	22.11770853
52.4061184	0.000	1.26E+10	125.6206268
52.10840359	0.000	1.26E+10	88.25101078
53.93888507	0.000	1.26E+10	62.39301746
51.38209538	0.000	1.26E+10	211.8981474
49.94167146	0.000	1.26E+10	88.92888313
51.48683537	0.000	1.26E+10	115.5621237
51.55292827	0.000	1.26E+10	122.1431208
51.85350625	0.000	1.26E+10	101.2940951
53.0672186	0.000	1.26E+10	46.82053693
55.30279851	0.000	1.26E+10	23.66334209

57.06658237	0.000	1.26E+10	6.917311449
55.6469371	0.000	1.26E+10	63.90241021
54.34797707	0.000	1.26E+10	88.28702479
52.42166792	0.000	1.26E+10	87.13334457
53.18705238	0.000	1.26E+10	94.65287771
54.08467216	0.000	1.26E+10	70.5593795
53.21368036	0.000	1.26E+10	55.04271443
53.19403838	0.000	1.26E+10	86.27989716
52.62340939	0.000	1.26E+10	95.08103024
52.44514494	0.000	1.26E+10	109.130935
51.49412602	0.000	1.26E+10	71.15990555
51.78919181	0.000	1.26E+10	95.6215047
50.56309771	0.000	1.26E+10	128.2168877
49.62451873	0.000	1.26E+10	99.12704936
51.6753115	0.000	1.26E+10	114.3687319
52.67694236	0.000	1.26E+10	59.18319518
52.08131216	0.000	1.26E+10	61.2429651
51.07235102	0.000	1.26E+10	56.38746333
54.0896148	0.000	1.26E+10	30.99652007
53.97383874	0.000	1.26E+10	94.34208183
51.73988566	0.000	1.26E+10	115.2621233
52.77852969	0.000	1.26E+10	63.14294957
54.69619685	0.000	1.26E+10	49.28297671
54.09951724	0.000	1.26E+10	54.05286331
53.41446392	0.000	1.26E+10	38.76350731
53.78968079	0.000	1.26E+10	30.18613253
53.33959331	0.000	1.26E+10	64.92962785
53.24145564	0.000	1.26E+10	53.35107685
52.25961942	0.000	1.26E+10	62.96391778
53.92680493	0.000	1.26E+10	52.11686935
53.23497468	0.000	1.26E+10	74.65360125
51.61393404	0.000	1.26E+10	127.8130559
55.02490794	0.000	1.26E+10	51.94278098
53.35658895	0.000	1.26E+10	68.92131937
52.52399889	0.000	1.26E+10	89.60433003
52.98681674	0.000	1.26E+10	58.3346101
52.35649525	0.000	1.26E+10	80.96834561
50.79462505	0.000	1.26E+10	135.0345169
49.79507759	0.000	1.26E+10	130.0467812
49.40129931	0.000	1.26E+10	165.5545881
49.58765241	0.000	1.26E+10	139.7565228
49.7027366	0.000	1.26E+10	105.4756076
50.66796097	0.000	1.26E+10	130.3037717
50.76611251	0.000	1.26E+10	80.84954416
50.46040109	0.000	1.26E+10	84.71196532
51.06218657	0.000	1.26E+10	119.0692345
51.88651258	0.000	1.26E+10	82.81164766
51.33602267	0.000	1.26E+10	40.86273547
50.61058639	0.000	1.26E+10	87.01266559
50.46846937	0.000	1.26E+10	75.30710128
51.46626485	0.000	1.26E+10	88.43781601
50.97051138	0.000	1.26E+10	72.00355185

52.96120173	0.000	1.26E+10	63.36572349
53.31045825	0.000	1.26E+10	49.96706073
54.16238038	0.000	1.26E+10	65.52632961
50.72813933	0.000	1.26E+10	113.8440472
50.66479339	0.000	1.26E+10	68.40664094
52.53088752	0.000	1.26E+10	46.71816679
54.96517309	0.000	1.26E+10	25.5276552
56.30459262	0.000	1.26E+10	17.89606858
57.36997449	0.000	1.26E+10	1.852657766
55.87616638	0.000	1.26E+10	7.620912858
55.70228706	0.000	1.26E+10	19.07486512
52.9977848	0.000	1.26E+10	63.92801326
51.90385036	0.000	1.26E+10	138.6518151
52.4506393	0.000	1.26E+10	130.4038291
51.28399907	0.000	1.26E+10	91.92941119
50.54697102	0.000	1.26E+10	151.1937519
47.5319715	0.000	1.26E+10	161.7868867
48.2036196	0.000	1.26E+10	197.5566333
50.27630504	0.000	1.26E+10	149.7428514
52.93517338	0.000	1.26E+10	95.74920373
54.76925522	0.000	1.26E+10	40.93028235
54.06502407	0.000	1.26E+10	48.78497951
55.92647977	0.000	1.26E+10	34.4895765
58.55048598	0.000	1.26E+10	0.819274809
56.93304761	0.000	1.26E+10	30.35272429
55.74097007	0.000	1.26E+10	33.08402253
55.25441053	0.000	1.26E+10	138.3552311
52.99924517	0.000	1.26E+10	130.9859712
51.69849047	0.000	1.26E+10	101.2356028
53.84435484	0.000	1.26E+10	120.2268619
54.63013177	0.000	1.26E+10	93.8962532
56.41018779	0.000	1.26E+10	64.07490754
57.76753036	0.000	1.26E+10	12.58241494
56.36297491	0.000	1.26E+10	64.26087174
54.37698429	0.000	1.26E+10	73.64082503
56.80993299	0.000	1.26E+10	39.90871585
57.34843629	0.000	1.26E+10	74.81907825
54.78814681	0.000	1.26E+10	244.7495099
54.42458877	0.000	1.26E+10	90.50324939
55.26206006	0.000	1.26E+10	53.74623546
56.1732983	0.000	1.26E+10	69.38045839
54.11334781	0.000	1.26E+10	89.55847091
54.52642445	0.000	1.26E+10	87.00832667
54.35209023	0.000	1.26E+10	76.29964755
56.72701608	0.000	1.07E+10	22.36369433
56.13822147	0.000	1.26E+10	28.53527454
54.77616253	0.000	1.09E+10	63.75483578
54.84454974	0.000	1.05E+10	101.4459911
56.88220575	0.000	1.05E+10	69.94703175
57.61856489	0.000	1.07E+10	65.18789257
58.75591465	0.000	1.05E+10	54.87852238
56.90934134	0.000	9.54E+09	179.10775

57.11398409	0.000	1.07E+10	100.1494302
57.24668643	0.000	9.98E+09	84.02489278
58.49401648	0.000	1.17E+10	69.55620995
59.30996346	0.000	9.51E+09	42.55984619
58.49009183	0.000	8.29E+09	86.77125908
58.57962499	0.000	7.16E+09	84.84631843
58.30539228	0.000	6.75E+09	87.11734875
57.35450798	0.000	6.28E+09	70.20402269
58.56075054	0.000	6.28E+09	44.24660592
56.82320828	0.000	6.28E+09	241.0078385
55.88422384	0.000	6.28E+09	249.5498009
54.94094518	0.000	6.28E+09	181.0823077
56.47469182	0.000	6.28E+09	133.4553258
57.94733046	0.000	6.28E+09	102.5032686
59.41088004	0.000	6.28E+09	130.1060873
58.49931324	0.000	6.28E+09	120.1549294
59.10538575	0.000	6.28E+09	151.4027259
59.17532722	0.000	6.28E+09	110.5068956
58.75830035	0.000	6.28E+09	111.4058126
58.9944603	0.000	6.28E+09	92.18875059
56.2119992	0.000	6.28E+09	157.5529248
57.19890549	0.000	9.42E+09	83.98377146
56.48677219	0.000	1.26E+10	120.7235033
57.38898572	0.000	1.26E+10	109.4141989
56.69322453	0.000	1.26E+10	116.9187864
57.15381458	0.000	1.18E+10	127.2061857
58.17131139	0.000	1.10E+10	113.2149478
58.41093146	0.000	6.28E+09	94.75864119
60.24279634	0.000	6.28E+09	113.6240486
60.23145758	0.000	6.28E+09	93.98273782
60.21817265	0.000	6.28E+09	137.8620624
60.13368719	0.000	6.28E+09	154.8339807
55.7136425	0.000	6.28E+09	202.5009158
55.24374459	0.000	6.28E+09	243.5393737
56.8085221	0.000	6.28E+09	218.4099894
58.91861922	0.000	6.28E+09	167.7037054
60.8534044	0.000	6.28E+09	75.06838602
61.16468367	0.000	6.28E+09	97.335984
60.5576105	0.000	6.28E+09	180.4959828
58.07147604	0.000	6.28E+09	226.0892716
57.57191792	0.000	6.28E+09	190.1240119
57.64236398	0.000	6.28E+09	198.3460138
58.93209353	0.000	6.28E+09	106.272418
60.0337513	0.000	6.28E+09	75.68584399
58.46843884	0.000	6.28E+09	90.92896753
58.30189623	0.000	6.28E+09	146.4423646
59.11020672	0.000	6.28E+09	88.60399905
59.80530516	0.000	6.28E+09	72.09899275
59.84530069	0.000	1.05E+10	62.77245054
59.41987594	0.000	6.28E+09	101.8932755
58.70441528	0.000	6.28E+09	256.7113957
58.33663716	0.000	6.28E+09	234.9104325

59.18879725	0.000	6.28E+09	136.3498901
60.51992288	0.000	6.28E+09	108.9372488
59.62843736	0.000	6.28E+09	107.5853938
60.1208302	0.000	6.28E+09	135.8066112
60.81746544	0.000	6.34E+09	134.2311678
61.4654066	0.000	6.28E+09	168.7533752
61.92450459	0.000	6.28E+09	139.5504722
60.28775923	0.000	6.28E+09	295.6419586
59.28112904	0.000	6.28E+09	265.700107
58.67565834	0.000	6.28E+09	196.5389011
61.48546557	0.000	6.28E+09	108.9593245
61.89590247	0.000	6.28E+09	267.1312006
58.99869144	0.000	6.28E+09	376.128944
59.16542668	0.000	1.26E+10	267.8076558
58.26109861	0.000	1.26E+10	218.4470022
58.65149332	0.000	1.26E+10	261.116186
58.2955336	0.000	1.07E+10	208.098389
59.64675347	0.000	8.06E+09	181.7427933
61.7776105	0.000	6.28E+09	166.418646
61.13662349	0.000	6.28E+09	211.9510041
58.87605787	0.000	6.28E+09	273.0544739
58.37619192	0.000	6.28E+09	218.8366381
59.10538906	0.000	6.28E+09	219.475462
60.05335689	0.000	6.28E+09	269.9761767
59.75866864	0.000	6.28E+09	225.8864654
60.43547744	0.000	6.28E+09	198.4159799
61.27235723	0.000	6.28E+09	214.7515773
60.84483263	0.000	6.28E+09	187.8960996
60.1560815	0.000	6.28E+09	181.3314363
59.42564882	0.000	6.28E+09	162.1951931
61.84765928	0.000	6.28E+09	138.4552374
62.84426838	0.000	6.28E+09	119.9469249
62.35080095	0.000	6.28E+09	151.5663923
61.2996008	0.000	6.28E+09	233.9549583
60.46667207	0.000	6.28E+09	206.7468907
61.9256037	0.000	6.28E+09	211.2686818
61.80428828	0.000	6.28E+09	180.0897476
61.91493361	0.000	6.28E+09	141.6260401
61.07270626	0.000	6.28E+09	163.2668589
61.35385849	0.000	6.28E+09	260.2480115
60.37219024	0.000	6.28E+09	278.4713773
59.57592618	0.000	6.28E+09	288.9065527
60.78189182	0.000	6.28E+09	174.3099347
60.91428772	0.000	6.28E+09	150.0079942
61.73320551	0.000	6.28E+09	181.6681179
61.77836855	0.000	6.28E+09	161.7967028
60.84054859	0.000	6.28E+09	228.4230703
60.85674302	0.000	6.28E+09	228.7128913
61.67835191	0.000	6.28E+09	247.6485177
63.03605449	0.000	6.28E+09	182.0443633
62.09917013	0.000	6.28E+09	210.4033887
61.4459149	0.000	6.91E+09	165.531639

62.46139971	0.000	6.28E+09	147.4316788
63.22579233	0.000	6.28E+09	198.4723029
63.44390025	0.000	6.28E+09	234.2272581
62.82562304	0.000	6.28E+09	278.6555277
60.10360579	0.000	6.28E+09	234.0544418
60.68307909	0.000	6.28E+09	242.6782437
60.98476504	0.000	6.28E+09	214.3372386
61.38086548	0.000	6.28E+09	250.4899378
61.12170319	0.000	6.28E+09	291.5614648
61.26379604	0.000	6.28E+09	245.4454067
61.52196606	0.000	1.26E+10	206.9360206
61.72118485	0.000	1.26E+10	182.5939976
62.29146169	0.000	1.26E+10	183.9826779
63.10678596	0.000	1.26E+10	254.5491497
62.94935434	0.000	1.26E+10	246.8256974
63.27101905	0.000	1.26E+10	237.7976031
62.47771851	0.000	1.26E+10	252.0577313
61.81111107	0.000	1.26E+10	214.6619747
62.46913197	0.000	1.26E+10	205.0321349
62.23218207	0.000	1.26E+10	168.7948341
62.53668174	0.000	1.26E+10	175.0148903
61.91569214	0.000	1.26E+10	249.5041622
62.49413825	0.000	9.94E+09	227.2761925
62.95036653	0.000	7.51E+09	265.8006615
62.5557315	0.000	6.28E+09	285.7243836
61.6718759	0.000	1.12E+10	298.4231397
62.15194977	0.000	1.10E+10	253.0287462
62.15015232	0.000	1.07E+10	209.119818
60.39978992	0.000	1.07E+10	382.9626371
59.81861084	0.000	6.28E+09	332.9329999
59.29263424	0.000	6.28E+09	251.0118843
60.41450032	0.000	6.28E+09	153.9459079
61.11429083	0.000	1.26E+10	209.7555529
59.43217102	0.000	1.26E+10	230.6806209
59.3112072	0.000	6.28E+09	275.8178668
60.03638816	0.000	6.28E+09	197.3358075
60.75539805	0.000	9.84E+09	176.8589247
60.86272674	0.000	9.83E+09	196.6558929
60.66599198	0.000	6.59E+09	190.0365191
61.52628192	0.000	6.28E+09	208.5464895
62.07205745	0.000	6.28E+09	200.5747373
61.91365068	0.000	6.28E+09	205.4289066
61.84158966	0.000	6.28E+09	213.2054609
61.9262724	0.000	6.28E+09	206.6866926
62.70166108	0.000	6.28E+09	188.7622536
63.05349759	0.000	1.07E+10	198.1497534
61.95005191	0.000	1.07E+10	213.4594276
61.31225892	0.000	6.28E+09	205.415152
60.81043436	0.000	6.28E+09	171.305327
60.67819443	0.000	6.28E+09	160.0568555
60.74135865	0.000	6.28E+09	265.0427048
60.31424836	0.000	6.28E+09	245.8946251

60.67621173	0.000	6.28E+09	279.522586
59.78607334	0.000	6.28E+09	271.4292152
58.93238365	0.000	6.09E+09	288.6231465
60.11757901	0.000	6.22E+09	224.392405
60.3003167	0.000	6.28E+09	188.4231907
60.9893199	0.000	6.28E+09	148.1798327
61.0218848	0.000	6.28E+09	247.288845
59.67264085	0.000	6.15E+09	260.6093428
61.11488129	0.000	6.28E+09	173.9604049
60.64547789	0.000	6.28E+09	174.1765292
60.02131055	0.000	6.28E+09	158.5571942
60.51195516	0.000	6.28E+09	192.3566251
61.34471134	0.000	6.28E+09	173.5661704
62.14616631	0.000	6.34E+09	150.4594146
61.95638545	0.000	6.28E+09	208.6160489
59.81661205	0.000	9.42E+09	270.4833568
59.48894772	0.000	1.08E+10	137.2132405
59.73067848	0.000	7.16E+09	293.2177643
57.17548739	0.000	6.09E+09	297.9529481
56.72360336	0.000	6.28E+09	192.2266421
58.13997079	0.000	6.28E+09	253.5759709
58.25372803	0.000	6.28E+09	224.1450373
58.33982199	0.000	6.28E+09	179.6410494
59.02296802	0.000	6.28E+09	172.9892356
56.31741932	0.000	6.34E+09	235.4905026
56.87972126	0.000	6.28E+09	270.0825051
56.21397782	0.000	6.22E+09	299.3339035
56.08089869	0.000	6.22E+09	271.6075
55.62867908	0.000	6.09E+09	163.8688299
57.38847597	0.000	6.28E+09	173.0824611
59.24988693	0.000	6.28E+09	122.2025758
57.9374767	0.000	6.28E+09	150.8338923
58.82119614	0.000	5.09E+09	156.0192458
56.24798712	0.000	6.28E+09	272.0681225
55.29666103	0.000	6.28E+09	252.3030688
54.90432823	0.000	6.28E+09	182.956777
56.96472156	0.000	6.28E+09	187.1479696
57.95932708	0.000	8.08E+09	146.159595
58.63058058	0.000	6.28E+09	112.4815809
59.68348853	0.000	6.28E+09	85.52116955
57.79480165	0.000	6.28E+09	108.3019616
56.1005617	0.000	6.28E+09	224.4421765
56.50375835	0.000	6.28E+09	213.4803828
56.84206742	0.000	6.28E+09	126.3792094
55.34986951	0.000	6.28E+09	254.0661165
55.6940967	0.000	6.28E+09	211.4950417
55.58790548	0.000	6.28E+09	234.7969738
54.21091771	0.000	6.28E+09	263.0658292
53.83875068	0.000	6.09E+09	151.8514048
56.38564197	0.000	6.03E+09	111.3362264
54.7900467	0.000	6.03E+09	182.4389557
53.38539636	0.000	6.03E+09	123.5734402

54.27859391	0.000	5.71E+09	147.8859355
56.75407086	0.000	5.81E+09	199.4543073
53.86049597	0.000	5.21E+09	168.0978703
54.11883649	0.000	5.65E+09	136.4745713
55.13209177	0.000	6.28E+09	91.02920406
55.29375255	0.000	6.34E+09	136.0880511
53.81709813	0.000	6.28E+09	149.5756202
56.5632766	0.000	6.28E+09	161.8605436
58.58020839	0.000	6.28E+09	97.39862971
57.34534492	0.000	6.28E+09	67.11024641
56.46633913	0.000	6.40E+09	177.9323524
53.24661775	0.000	6.40E+09	236.6792144
53.46513009	0.000	6.28E+09	200.4211546
54.43830189	0.000	6.34E+09	123.1577407
56.79755424	0.000	8.48E+09	118.7212059
56.07686338	0.000	1.07E+10	89.02206155
53.22926353	0.000	9.73E+09	170.8318142
52.22027362	0.000	4.77E+09	160.4186423
52.5542445	0.000	4.77E+09	192.798322
52.19597334	0.000	4.40E+09	131.1185082
51.74629881	0.000	4.40E+09	96.60135878
52.61650087	0.000	3.77E+09	110.0800724
52.40806173	0.000	4.65E+09	105.6881052
53.40699932	0.000	3.20E+09	94.58769248
54.94355039	0.000	3.14E+09	55.23949109
54.27367991	0.000	3.14E+09	116.6465777
52.61479324	0.000	3.14E+09	121.6501899
53.9772652	0.000	2.51E+09	98.78848792
53.42358242	0.000	1.64E+09	108.685656
53.18358806	0.000	1.51E+09	158.6687763
53.72464853	0.000	1.32E+09	126.3724336
56.16097425	0.000	1.38E+09	98.18297316
56.41312847	0.000	1.38E+09	111.8977109
54.18725646	0.000	6.28E+09	189.6554892
52.56447972	0.000	4.71E+09	122.3905794
52.95302529	0.000	1.57E+09	104.5732977
55.20149884	0.000	1.57E+09	69.01367103
55.98792419	0.000	7.85E+09	31.30450838
57.15215252	0.000	7.85E+09	34.15217324
58.04057732	0.000	6.01E+09	26.53944407
54.98676019	0.000	1.57E+09	55.65372472
52.5510376	0.000	3.41E+09	80.1728616
52.85966512	0.000	1.57E+09	103.9050913
55.28356433	0.000	7.57E+08	104.1696265
52.60663055	0.000	3.14E+09	116.2001791
52.22704479	0.000	3.20E+09	90.11998936
52.89567858	0.000	6.63E+07	73.23884647
51.48380806	0.000	7.57E+08	133.8739594
52.85140563	0.000	3.57E+06	113.6853708
53.92673163	0.000	3.57E+06	129.0155913
48.99515943	0.000	1.23E+09	203.0999393
48.27218459	0.000	3.57E+06	121.5876425

49.30850884	0.000	4.40E+09	95.85719088
50.89017705	0.000	4.58E+09	68.44188382
51.9184628	0.000	4.43E+08	84.69607551
47.99927029	0.000	3.14E+09	196.7240745
47.81671477	0.000	5.37E+09	94.05239776
49.99199009	0.000	1.95E+09	143.9223837
51.55606276	0.000	3.57E+06	97.50952577
52.97736286	0.000	3.57E+06	60.89879591
52.80694056	0.000	1.92E+08	56.66109471
50.99881286	0.000	1.29E+08	76.48450331
51.36862403	0.000	3.57E+06	52.93489077
51.83207667	0.000	1.51E+09	91.753247
51.15459525	0.000	9.77E+07	89.71283754
48.38717407	0.000	6.63E+07	180.4869861
48.28742016	0.000	3.57E+06	91.81913812
50.85570258	0.000	3.57E+06	102.6856057
51.99270911	0.000	6.28E+09	97.96615294
48.84713734	0.000	6.28E+09	104.1161199
49.05001508	0.000	6.28E+09	56.27483602
49.44102206	0.000	6.28E+09	112.0564286
47.42847503	0.000	6.28E+09	72.11589423
46.83856803	0.000	6.28E+09	122.2929331
48.24236268	0.000	6.28E+09	75.5650228
51.34328262	0.000	6.47E+09	57.01919747
50.92266525	0.000	6.53E+09	51.95175746
51.26917457	0.000	6.53E+09	59.43646106
50.24517353	0.000	6.66E+09	130.3217979
49.71269357	0.000	6.66E+09	65.63359695
52.60015102	0.000	6.78E+09	53.30854826
53.47946021	0.000	6.84E+09	26.90705219
51.90371581	0.000	6.91E+09	58.08903245
52.00196889	0.000	6.97E+09	44.12680778
51.50011365	0.000	7.03E+09	40.1429076
51.10757747	0.000	7.03E+09	45.04405798
52.32677875	0.000	7.10E+09	47.67303421
55.08869532	0.000	7.10E+09	51.55406804
55.95352667	0.000	7.16E+09	26.31709591
52.92679765	0.000	7.22E+09	68.19837428
52.35539901	0.000	7.28E+09	106.1703573
50.47879708	0.000	7.28E+09	119.1219201
49.82710017	0.000	7.35E+09	83.15489487
52.60476468	0.000	7.41E+09	70.85982542
54.73068632	0.000	7.41E+09	53.5262919
49.42150426	0.000	5.71E+09	133.2355514
49.44258707	0.000	2.92E+09	109.1425323
49.23539372	0.000	7.60E+09	96.87869356
51.07822064	0.000	7.66E+09	95.91071172
52.28833141	0.000	7.72E+09	46.30340599
52.59843885	0.000	7.79E+09	46.51835257
51.25649149	0.000	7.85E+09	84.93951038
54.03033744	0.000	7.91E+09	53.46200902
56.33162556	0.000	8.04E+09	6.826699575

49.40560296	0.000	8.16E+09	154.5973856
50.1054614	0.000	8.16E+09	88.30364383
51.63097235	0.000	8.16E+09	47.43758669
52.32740279	0.000	8.16E+09	40.69773651
53.79435564	0.000	7.82E+09	29.30187748
56.19551907	0.000	3.37E+09	7.339002586
57.21489498	0.000	2.04E+09	5.871654428
56.78761011	0.000	2.08E+09	2.888427704
55.63711849	0.000	2.09E+09	10.33817872
55.55724421	0.000	2.29E+09	40.88123368
55.69306996	0.000	4.95E+09	10.55250501
55.42810191	0.000	3.32E+09	15.23990912
53.67154805	0.000	2.29E+09	66.12608191
54.05293181	0.000	2.48E+09	115.8458269
53.8731827	0.000	2.53E+09	137.4759489
54.06366394	0.000	2.46E+09	102.6429473
56.82917564	0.000	2.52E+09	62.61540711
56.57080341	0.000	2.52E+09	43.93071147
54.58875672	0.000	2.52E+09	85.96342994
53.03120815	0.000	2.61E+09	132.1979794
52.8707009	0.000	2.69E+09	83.47966089
52.89412018	0.000	4.69E+09	84.00634665
53.03898863	0.000	6.31E+09	111.9584278
52.56345943	0.000	6.33E+09	166.4599986
52.6207195	0.000	9.12E+09	114.3427059
53.33148507	0.000	1.26E+10	80.37618575
52.96745754	0.000	1.05E+10	73.63197852
53.39881305	0.000	6.44E+09	112.805991
53.63096243	0.000	1.26E+10	97.09014691
56.99806326	0.000	6.28E+09	98.9096296
53.41648519	0.000	6.28E+09	164.5010774
54.84593648	0.000	1.26E+10	122.1500908
54.28396909	0.000	7.06E+09	136.9224743
53.83086695	0.000	6.28E+09	147.4094628
52.00620536	0.000	6.28E+09	150.6185483
51.70152815	0.000	7.06E+09	129.8528968
52.47363862	0.000	6.28E+09	153.9154685
53.59822839	0.000	6.28E+09	130.504299
53.3755848	0.000	6.28E+09	96.29745223
52.69265037	0.000	6.28E+09	103.6524616
53.92373204	0.000	6.28E+09	89.34127161
54.3852697	0.000	7.53E+09	77.082739
54.86140883	0.000	6.28E+09	81.00903321
56.98509788	0.000	6.28E+09	95.25595132
55.44902596	0.000	6.28E+09	83.49993047
58.10938559	0.000	6.28E+09	90.41693254
57.70188272	0.000	1.26E+10	19.93659254
58.88615604	0.000	1.07E+10	25.26376446
57.7236089	0.000	6.97E+09	19.03341787
58.80507649	0.000	6.28E+09	79.51332322
58.77409444	0.000	6.28E+09	86.1820575
59.81094122	0.000	6.28E+09	63.17264339

58.68946932	0.000	6.28E+09	31.25607051
55.50535896	0.000	6.28E+09	190.0992729
54.88412479	0.000	6.28E+09	115.22191
57.70548833	0.000	6.31E+09	132.861412
57.28348118	0.000	6.30E+09	68.22739619
57.50245354	0.000	6.35E+09	111.7043553
59.52588531	0.000	8.98E+09	72.26783359
59.48889355	0.000	7.10E+09	49.35866867
54.9144367	0.000	6.33E+09	145.2027256
56.77407307	0.000	6.32E+09	107.0406899
56.36849205	0.000	6.31E+09	212.9426406
56.29275982	0.000	6.30E+09	147.5344083
57.88365967	0.000	6.32E+09	106.8743284
59.83597718	0.000	6.32E+09	89.59153031
58.17557131	0.000	6.30E+09	149.0389406
56.23037207	0.000	6.29E+09	180.0569793
54.95642533	0.000	6.30E+09	207.4531793
56.80198745	0.000	6.32E+09	141.5616471
59.39982923	0.000	6.32E+09	75.26185981
58.09978183	0.000	6.32E+09	189.7443419
56.41652747	0.000	6.32E+09	235.4676004
56.37546303	0.000	6.32E+09	127.060864
58.10811889	0.000	6.33E+09	77.70749825
59.80143148	0.000	6.32E+09	65.78036175
60.99629031	0.000	6.35E+09	109.8260651
57.36131927	0.000	6.33E+09	104.7338149
56.87839181	0.000	6.32E+09	164.8823544
55.65931585	0.000	6.30E+09	238.6945033
56.92373378	0.000	6.33E+09	208.4233246
58.18216445	0.000	6.33E+09	159.6289834
57.23789537	0.000	6.32E+09	116.6678286
57.83170133	0.000	6.33E+09	83.09139421
56.47089469	0.000	6.28E+09	255.010034
56.14276204	0.000	6.28E+09	219.8956017
57.48978578	0.000	6.28E+09	144.8383828
57.72573728	0.000	6.28E+09	88.73510272
58.73117944	0.000	6.28E+09	55.25785224
57.94015733	0.000	1.19E+10	117.4822792
57.36377719	0.000	8.73E+09	127.9709655
59.49114359	0.000	6.28E+09	137.3031683
58.92394618	0.000	6.28E+09	119.1700127
58.2087504	0.000	6.28E+09	191.466771
58.08611298	0.000	6.28E+09	139.1084096
56.05236949	0.000	6.28E+09	178.6689672
54.77745781	0.000	6.28E+09	220.5066992
55.69845265	0.000	6.28E+09	156.6164459
57.69815656	0.000	6.28E+09	189.8462898
60.10013246	0.000	6.28E+09	164.284582
59.39285051	0.000	6.28E+09	123.991894
60.24332525	0.000	6.28E+09	84.64920044
60.53420788	0.000	6.28E+09	99.10668481
60.77640447	0.000	6.28E+09	110.6962693

60.45898867	0.000	6.37E+09	150.6576513
58.98763657	0.000	6.28E+09	101.3679419
59.44304672	0.000	6.28E+09	69.49621717
60.78028686	0.000	6.28E+09	92.38648206
60.4893537	0.000	6.28E+09	99.58623928
58.87121154	0.000	6.28E+09	168.9384337
59.28313915	0.000	6.28E+09	107.6508808
60.7557898	0.000	8.48E+09	98.43283454
61.24213378	0.000	6.28E+09	104.1306614
61.55154707	0.000	6.28E+09	109.0582438
61.04174419	0.000	6.28E+09	121.9915537
60.82162135	0.000	6.29E+09	183.2493023
60.93249765	0.000	7.89E+09	131.8240164
62.36689755	0.000	1.13E+10	127.9722026
61.74952615	0.000	9.49E+09	148.1820239
61.13442412	0.000	6.32E+09	203.7275139
60.64641958	0.000	6.39E+09	182.7139392
62.02133425	0.000	6.28E+09	85.31124712
62.56516361	0.000	6.19E+09	97.24679215
62.76270512	0.000	6.05E+09	72.51995111
63.13725954	0.000	4.73E+09	91.83224974
61.60568492	0.000	4.53E+09	204.1919445
60.68385688	0.000	4.39E+09	212.6205052
61.73154517	0.000	4.42E+09	156.5099476
60.95102319	0.000	3.73E+09	200.6481061
61.58605872	0.000	1.89E+09	169.7684084
62.96209852	0.000	8.32E+08	223.119837
61.25037336	0.000	1.48E+08	268.7108489
61.54994732	0.000	1.04E+08	224.0660416
62.78594571	0.000	2.87E+07	263.4530061
60.88420055	0.000	4.18E+08	304.4171411
59.60136779	0.000	4.75E+07	328.1468446
60.20203158	0.000	2.73E+08	276.0717773
60.63553119	0.000	2.87E+07	214.6044737
60.78424124	0.000	6.63E+07	256.0830783
60.06018607	0.000	4.18E+08	275.9679103
59.99222455	0.000	1.89E+09	197.4275901
60.29646718	0.000	5.38E+07	168.6394538
60.76770347	0.000	4.75E+07	194.5601295
60.96939045	0.000	9.85E+06	170.7312137
60.5031983	0.000	2.48E+08	126.4639902
61.74771918	0.000	6.63E+07	142.4073277
62.22694972	0.000	8.52E+07	146.4968546
63.05036829	0.000	3.50E+07	146.4887362
62.46030095	0.000	-8.98E+06	149.868747
61.9583597	0.000	2.24E+07	197.5029079
61.89924391	0.000	9.14E+07	171.280826
62.37756835	0.000	-8.98E+06	226.1083597
63.04293244	0.000	7.69E+08	285.522501
60.94995153	0.000	6.31E+09	363.8752424
59.84200294	0.000	6.29E+09	207.5119492
60.76471827	0.000	6.27E+09	233.3831333

61.26589908	0.000	6.27E+09	200.6137667
62.12694582	0.000	6.32E+09	193.7535204
62.81738071	0.000	6.29E+09	264.0689465
62.14886033	0.000	6.30E+09	209.1655234
61.39779626	0.000	6.28E+09	262.8268598
60.69167922	0.000	6.32E+09	285.3105386
59.8010131	0.000	6.33E+09	230.2913821
60.97130467	0.000	6.30E+09	210.6162993
61.68360539	0.000	5.42E+09	164.2599461
62.31423658	0.000	2.42E+08	160.6009456
62.38975392	0.000	1.67E+08	197.5198144
61.74443224	0.000	4.12E+09	298.0728331
60.07644004	0.000	1.64E+09	342.4525686
60.23039119	0.000	3.57E+06	270.9986738
60.39601349	0.000	-2.70E+06	241.7194143
60.83305767	0.000	3.57E+06	206.1659286
60.65257173	0.000	3.50E+07	232.6894979
61.69654475	0.000	9.77E+07	165.1203754
62.81834653	0.000	2.24E+07	203.9270179
60.21988208	0.000	3.50E+07	231.434334
60.51639891	0.000	4.75E+07	186.6437048
61.22924724	0.000	1.61E+07	159.7453089
61.73459452	0.000	4.12E+07	150.8251917
61.90893459	0.000	3.50E+07	145.8515917
60.87787879	0.000	5.38E+07	167.1052038
59.87969384	0.000	5.68E+08	227.2615384
60.55381763	0.000	1.59E+09	159.1504757
61.01180558	0.000	9.85E+06	175.3438923
61.47492658	0.000	-1.53E+07	254.8078623
61.85143498	0.000	9.85E+06	241.5117362
59.767843	0.000	2.87E+07	386.836203
59.69031055	0.000	2.86E+08	316.2519865
58.61545209	0.000	9.77E+07	293.7299343
59.43047062	0.000	4.12E+07	375.2551779
59.31425757	0.000	7.89E+07	328.9489227
58.35207731	0.000	1.23E+08	293.9188546
59.54935878	0.000	1.48E+08	204.2348268
60.60300272	0.000	1.86E+08	136.9497614
60.18057816	0.000	2.93E+09	231.8517374
59.4631839	0.000	6.30E+09	190.350092
59.86366184	0.000	6.34E+09	199.8310478
60.27269471	0.000	6.29E+09	183.4620336
59.83733659	0.000	6.29E+09	156.1498029
59.99127071	0.000	7.40E+09	122.6935697
60.42098566	0.000	8.86E+09	116.8938522
60.36378111	0.000	6.38E+09	151.4701132
60.63075013	0.000	7.89E+09	144.1647568
60.37997945	0.000	6.29E+09	155.8794188
60.00925216	0.000	6.30E+09	182.2974418
59.75781385	0.000	6.30E+09	158.4792388
59.98127632	0.000	6.29E+09	141.951583
59.5825805	0.000	6.29E+09	152.4560351

60.0801597	0.000	8.43E+09	176.5007891
59.12493136	0.000	6.28E+09	205.1705212
59.51330992	0.000	6.29E+09	206.3729504
60.20492902	0.000	6.29E+09	148.1574594
60.84868813	0.000	6.30E+09	146.345124
61.1754557	0.000	6.29E+09	133.0660617
61.10780279	0.000	6.28E+09	188.8868089
60.50855496	0.000	8.70E+09	172.2623982
58.76231988	0.000	6.29E+09	225.9011131
58.84015657	0.000	9.00E+09	187.8165073
57.9719972	0.000	8.78E+09	315.9000895
57.23392463	0.000	6.29E+09	346.0580619
58.76184748	0.000	6.29E+09	283.6420748
58.73494106	0.000	6.29E+09	156.4629098
59.52788539	0.000	6.29E+09	203.4693408
57.54236303	0.000	6.29E+09	391.24953
56.84730621	0.000	6.29E+09	282.0878363
57.44640658	0.000	6.30E+09	199.0790516
58.45919596	0.000	6.28E+09	148.1927243
59.64686369	0.000	6.30E+09	185.084112
58.94361071	0.000	6.29E+09	227.9667612
56.80575568	0.000	6.29E+09	196.6267743
57.85932232	0.000	6.28E+09	153.6246896
60.07585004	0.000	6.29E+09	175.3919868
56.89001749	0.000	6.28E+09	313.3648131
55.43158309	0.000	6.30E+09	304.9421975
56.01733895	0.000	6.28E+09	202.9119703
58.81113915	0.000	6.29E+09	163.7120811
59.63092433	0.000	6.29E+09	113.6757694
58.03191926	0.000	6.28E+09	308.0043374
56.38399885	0.000	6.27E+09	283.0302733
55.4949147	0.000	6.89E+09	206.7959761
55.44659329	0.000	1.16E+10	166.0006142
56.1437387	0.000	7.81E+09	152.5500426
55.98262278	0.000	6.29E+09	207.6727036
54.75603078	0.000	6.29E+09	234.0770634
55.62113788	0.000	6.34E+09	167.6781505
55.16849297	0.000	6.28E+09	154.6303249
57.87230041	0.000	6.28E+09	187.8092027
55.5093605	0.000	6.29E+09	188.2968767
57.51816793	0.000	6.01E+09	160.4668901
55.57301513	0.000	3.55E+09	249.0597376
54.28962788	0.000	3.86E+09	193.1675794
56.57100939	0.000	2.51E+09	168.2022114
57.54579797	0.000	5.79E+09	118.8869505
57.59164351	0.000	7.55E+09	94.36169763
54.16379186	0.000	6.29E+09	197.5681801
54.51752907	0.000	6.29E+09	148.2293697
57.00610066	0.000	6.29E+09	45.09447864
58.64120877	0.000	6.28E+09	25.56748307
57.52194342	0.000	6.01E+09	95.31163798
55.66237171	0.000	3.58E+09	143.2718388

56.22598914	0.000	2.17E+08	150.2755929
55.95224622	0.000	3.17E+08	137.6167237
56.70207142	0.000	7.75E+08	74.55228848
57.29418524	0.000	3.74E+09	49.36193732
57.34830631	0.000	4.84E+09	86.58134719
57.29114255	0.000	2.26E+09	55.93165495
57.5022737	0.000	2.41E+09	62.68461451
56.86157999	0.000	1.35E+09	178.4040952
55.42212352	0.000	2.24E+07	259.6373977
54.90363008	0.000	9.85E+06	113.9207721
55.31438138	0.000	9.85E+06	109.6268194
54.68998562	0.000	6.01E+07	172.4853326
55.39647123	0.000	1.10E+08	149.6302347
53.68133937	0.000	3.57E+06	235.7904505
53.78957284	0.000	2.87E+07	232.8432131
55.90144938	0.000	1.10E+09	235.1973456
57.07914107	0.000	1.74E+09	168.919636
56.1085981	0.000	9.51E+08	84.06210117
54.94785414	0.000	1.04E+08	102.0043957
55.63947614	0.000	6.01E+07	123.7213796
55.16005062	0.000	2.55E+08	118.6460042
57.5267574	0.000	2.73E+08	140.9117416
53.65013486	0.000	4.68E+08	227.9789871
51.99387528	0.000	1.98E+08	135.9850589
51.58619618	0.000	1.28E+09	124.536107
51.89845934	0.000	6.29E+09	134.7531677
52.25636761	0.000	6.29E+09	148.6204779
52.84017351	0.000	2.02E+09	103.3740675
57.20919159	0.000	3.50E+07	41.25068958
54.26894281	0.000	2.23E+08	113.2727495
52.22757239	0.000	1.35E+08	115.3382845
52.05091084	0.000	1.17E+08	124.4876435
52.25145518	0.000	5.43E+08	86.75000057
54.64426879	0.000	2.07E+09	50.85634219
53.67118454	0.000	4.18E+08	84.98195319
53.45314274	0.000	1.17E+08	77.3111935
53.61025109	0.000	2.24E+07	152.1923278
53.43392671	0.000	1.61E+07	167.2551093
54.63678655	0.000	2.23E+08	99.47634496
55.51990756	0.000	1.61E+07	128.5487599
52.44953615	0.000	3.19E+09	192.1798086
51.58569425	0.000	5.65E+09	176.0478759
51.80342975	0.000	6.50E+08	126.1957933
51.436711	0.000	5.18E+08	103.3007888
50.86661747	0.000	6.35E+09	68.42233406
51.42259548	0.000	6.91E+09	75.63743743
51.99268784	0.000	6.50E+09	86.92495499
51.99907397	0.000	6.51E+09	87.03878091
52.2492321	0.000	6.42E+09	77.25064526
52.39168646	0.000	6.51E+09	101.6897998
50.55816463	0.000	6.51E+09	148.6919413
49.39064331	0.000	6.50E+09	100.4224787

50.26252987	0.000	6.49E+09	113.3669423
52.77533895	0.000	6.52E+09	49.97520841
56.27988608	0.000	6.49E+09	7.801566495
53.97934061	0.000	6.51E+09	40.49655526
51.93916167	0.000	6.52E+09	33.56955455
51.75668545	0.000	6.50E+09	70.22597549
52.16100907	0.000	6.49E+09	50.86196942
52.10651292	0.000	6.49E+09	57.63565834
53.15058086	0.000	6.49E+09	78.35634215
51.00543382	0.000	6.55E+09	74.66079088
51.94197587	0.000	6.51E+09	59.66750443
54.81297727	0.000	6.49E+09	36.16841669
52.47919701	0.000	6.51E+09	80.79449613
52.1587995	0.000	6.42E+09	55.81363121
55.1299172	0.000	6.49E+09	33.23719125
53.70984162	0.000	6.49E+09	94.4708063
54.60312129	0.000	6.51E+09	63.65812562
55.90186129	0.000	6.57E+09	33.46508601
52.53438661	0.000	4.87E+09	101.4019737
51.77937329	0.000	2.57E+09	138.2575666
46.70837506	0.000	4.48E+09	203.9123468
46.39521414	0.000	6.19E+08	178.6179254
48.41922469	0.000	5.18E+08	115.773244
49.09937684	0.000	2.42E+08	88.61618158
49.27044322	0.000	1.79E+08	89.83515087
48.52260696	0.000	2.11E+08	87.40880778
50.63252719	0.000	1.73E+08	85.10523128
46.54980796	0.000	6.56E+08	135.4369068
49.62687359	0.000	4.49E+08	90.15645609
50.12689875	0.000	2.36E+08	68.17424532
51.05485278	0.000	3.68E+08	43.7652477
50.88391611	0.000	4.75E+07	59.45303663
49.84393134	0.000	2.24E+07	77.48597917
51.12926041	0.000	1.61E+07	46.39762732
51.81723355	0.000	2.24E+07	89.19770085
49.97458247	0.000	2.24E+07	58.50973642
49.36462083	0.000	3.50E+07	134.1811101
48.88096971	0.000	4.75E+07	89.98479605
51.96589347	0.000	9.85E+06	91.88767469
52.38566666	0.000	1.61E+07	56.89712969
52.79579845	0.000	2.24E+07	48.22530738
55.85906687	0.000	2.24E+07	1.446374046
55.31215323	0.000	4.75E+07	49.86692174
52.04296909	0.000	1.29E+08	57.64065356
53.61925682	0.000	6.01E+07	12.05999387
54.73698691	0.000	2.24E+07	12.57360189
52.63849421	0.000	2.24E+07	35.35420294
53.07173078	0.000	4.12E+07	36.93079016
51.36546584	0.000	4.12E+07	73.49832028
53.03947387	0.000	6.01E+07	59.35516589
53.56698915	0.000	6.63E+07	36.5653105
51.97616281	0.000	9.77E+07	63.57956665

52.2839291	0.000	1.48E+08	52.26045257
52.14298315	0.000	7.26E+07	65.85421936
51.59091233	0.000	6.63E+07	65.20038662
52.43110269	0.000	3.54E+09	54.30829511
55.75136559	0.000	9.20E+08	20.20391038
56.60384906	0.000	5.38E+07	0.354007634
53.4101181	0.000	3.74E+08	45.7713802
51.70824084	0.000	1.32E+09	77.95065254
52.83742015	0.000	7.89E+07	47.47304536
54.25287526	0.000	6.63E+07	49.96916184
54.66485817	0.000	7.26E+07	38.84298296
53.44625877	0.000	7.89E+07	115.0655551
54.1827858	0.000	8.52E+07	47.88465825
54.52323116	0.000	4.12E+07	47.37264501
52.04617689	0.000	6.01E+07	124.1042748
51.56053504	0.000	5.38E+07	105.0167261
51.13132372	0.000	2.24E+07	94.12468289
51.82706336	0.000	6.63E+07	82.11456988
52.69148471	0.000	3.97E+09	65.40311229
55.7374772	0.000	1.48E+08	60.94433871
52.79130179	0.000	1.55E+09	94.25037158
52.90545809	0.000	5.38E+07	62.20758557
55.6406531	0.000	6.01E+07	29.12465903
52.95170392	0.000	4.75E+07	88.97839275
52.2487767	0.000	4.12E+07	77.08695779
52.58097306	0.000	4.12E+07	95.77606882
54.38352002	0.000	2.15E+09	100.953552
53.98246856	0.000	6.32E+09	73.39931818
56.40344251	0.000	6.32E+09	22.86239337
57.61341049	0.000	6.05E+09	14.15296011
57.90184561	0.000	3.99E+09	9.971936831
57.69246488	0.000	3.23E+09	72.07560789
53.62262658	0.000	3.27E+09	97.94063003
52.96461367	0.000	3.80E+09	66.82680065
55.99133229	0.000	5.54E+09	38.06363395
54.44399547	0.000	2.29E+09	54.55462207
55.6070418	0.000	4.12E+07	43.92077237
53.81250042	0.000	6.01E+07	57.34604301
55.88143674	0.000	2.11E+08	42.84300279
56.03334012	0.000	2.48E+08	122.0261764
54.35205539	0.000	2.80E+08	92.75578651
54.57461914	0.000	2.92E+08	84.93016696
55.36189001	0.000	2.73E+08	56.74766892
55.14703599	0.000	2.80E+08	166.5125649
52.93731792	0.000	4.11E+08	200.1036014
52.27943044	0.000	4.11E+08	157.4093148
53.78158528	0.000	1.10E+08	103.9110816
56.19514309	0.000	5.06E+08	88.48722394
58.04387513	0.000	5.44E+09	35.01757253
58.44511421	0.000	3.57E+09	112.1783378
57.96734301	0.000	4.68E+08	124.1228653
57.9870023	0.000	4.75E+07	106.5866885

58.35089962	0.000	3.50E+07	288.1497043
54.37267547	0.000	4.12E+07	161.5789618
53.61436783	0.000	9.85E+06	259.2644375
52.94685139	0.000	3.50E+07	227.8502769
53.10143865	0.000	4.75E+07	159.215246
53.35824902	0.000	2.00E+09	126.4194403
54.18755981	0.000	4.11E+09	114.8475959
55.59212724	0.000	5.38E+07	121.1901431
55.8713144	0.000	4.12E+07	94.67082225
58.96810658	0.000	4.12E+07	107.1619016
57.14612424	0.000	6.63E+07	98.21868735
56.23033861	0.000	9.57E+08	97.45881549
58.21377574	0.000	8.52E+07	46.39631467
59.9975248	0.000	2.87E+07	20.31774069
57.80218535	0.000	3.50E+07	130.5981158
57.45190576	0.000	3.50E+07	113.8613061
56.885894	0.000	5.38E+07	71.25952939
57.64264679	0.000	2.24E+07	74.60389986
55.85739819	0.000	2.87E+07	167.0129101
56.70821529	0.000	2.24E+07	207.6713968
57.72849902	0.000	2.24E+07	129.0295147
58.65473419	0.000	9.85E+06	133.655069
57.69689318	0.000	4.75E+07	34.94031487
58.19305149	0.000	2.87E+07	36.25785896
55.88802481	0.000	2.87E+07	185.3732981
55.54198942	0.000	1.92E+08	145.2358855
56.9790256	0.000	4.08E+09	108.3923256
58.47347137	0.000	4.17E+09	130.397869
58.87696665	0.000	4.39E+09	100.1598486
58.40358112	0.000	1.66E+09	103.7993938
57.78598448	0.000	2.24E+07	144.5836337
58.18240584	0.000	9.85E+06	129.5708346
58.68559783	0.000	2.67E+08	120.5598397
60.082896	0.000	2.17E+08	86.38255822
59.23283484	0.000	1.61E+07	96.38521043
58.6728259	0.000	2.87E+07	249.3006375
58.74829226	0.000	9.85E+06	242.8593331
58.40791257	0.000	2.24E+07	205.7888345
60.02959956	0.000	5.68E+08	94.2092198
60.25832525	0.000	6.26E+09	80.03909953
59.78656448	0.000	6.29E+09	116.8464955
59.36222041	0.000	6.29E+09	128.3216891
59.78489976	0.000	6.29E+09	121.6582866
60.44779149	0.000	6.29E+09	97.37608549
59.62827503	0.000	6.29E+09	116.7529745
59.54103528	0.000	6.30E+09	118.1964974
60.47112246	0.000	6.29E+09	147.5478219
59.61692594	0.000	6.29E+09	103.3250685
59.45459122	0.000	6.29E+09	90.16540685
58.71237156	0.000	6.30E+09	119.667613
58.78438411	0.000	6.29E+09	102.694493
59.5665913	0.000	6.29E+09	98.21102367

59.10955557	0.000	6.30E+09	126.8599181
59.24012031	0.000	6.29E+09	124.3586029
60.09604241	0.000	6.29E+09	85.09364319
61.1466818	0.000	6.28E+09	86.84761608
60.42372424	0.000	6.29E+09	111.9898241
61.25963414	0.000	6.28E+09	100.3407303
60.01015196	0.000	6.28E+09	117.1235742
59.73727501	0.000	6.28E+09	207.1269499
59.42307989	0.000	6.27E+09	216.3812298
57.77633238	0.000	6.29E+09	203.7311974
59.62158721	0.000	6.28E+09	158.5303835
59.0980981	0.000	6.29E+09	264.1718813
58.81002159	0.000	8.46E+09	252.8100475
59.40326313	0.000	1.11E+10	150.6836415
59.86055825	0.000	9.27E+09	129.7381424
58.87024287	0.000	6.51E+09	193.2231959
59.67384972	0.000	6.29E+09	161.0946338
59.00130306	0.000	6.29E+09	226.0237611
58.31945032	0.000	6.29E+09	196.8439837
58.86879727	0.000	6.29E+09	165.0008347
60.37504728	0.000	6.29E+09	176.1979847
61.23959023	0.000	6.28E+09	161.8976942
60.33843101	0.000	6.30E+09	142.2459395
59.85931458	0.000	6.31E+09	130.7894341
60.75051024	0.000	6.32E+09	163.1584632
60.08677568	0.000	6.30E+09	178.4470542
61.00898648	0.000	6.29E+09	168.418202
59.9984013	0.000	8.60E+09	153.6525963
60.16635533	0.000	1.02E+10	206.0365836
59.73500977	0.000	8.28E+09	201.8069035
60.2439859	0.000	9.20E+09	213.2083633
61.06118656	0.000	9.54E+09	178.5162899
60.81897283	0.000	7.05E+09	141.0661123
61.23615516	0.000	6.30E+09	158.4796781
61.63334546	0.000	6.29E+09	157.5706024
61.10295598	0.000	6.32E+09	187.0127798
59.75899152	0.000	6.54E+09	327.9295294
60.22210298	0.000	6.29E+09	228.023139
61.32651378	0.000	6.29E+09	240.6620395
60.40187271	0.000	6.29E+09	219.9926963
59.95264564	0.000	6.29E+09	235.5191521
60.11720947	0.000	6.42E+09	198.1910609
61.55217186	0.000	1.23E+10	156.2911665
61.7283528	0.000	9.99E+09	160.2357692
61.83774927	0.000	6.29E+09	132.9105034
60.44744734	0.000	6.29E+09	149.450008
60.68558669	0.000	6.29E+09	149.2878604
60.42140463	0.000	6.29E+09	157.3592408
60.29867487	0.000	6.29E+09	154.755592
60.45533437	0.000	1.02E+10	118.9400728
60.68381613	0.000	1.23E+10	115.6190096
61.1885573	0.000	1.26E+10	129.2070783

61.68940015	0.000	1.26E+10	129.1297355
62.20388884	0.000	1.26E+10	181.8312073
62.3086321	0.000	1.26E+10	170.3181677
61.8425161	0.000	1.24E+10	205.5168095
60.95803757	0.000	1.07E+10	256.7358066
61.31290249	0.000	8.32E+09	224.2549318
60.23678694	0.000	1.19E+10	214.8405462
60.74775216	0.000	1.26E+10	188.8786021
60.9248768	0.000	1.26E+10	170.6615539
62.01210663	0.000	1.26E+10	171.9057234
62.1590986	0.000	1.26E+10	136.3348824
61.59433334	0.000	1.26E+10	232.6501015
60.9173292	0.000	1.26E+10	253.0960469
60.63202603	0.000	1.26E+10	171.4278886
60.62670285	0.000	1.26E+10	178.2931037
61.07256572	0.000	1.26E+10	224.3186384
60.84691713	0.000	1.26E+10	168.457095
60.78916186	0.000	1.26E+10	239.0578076
61.21980922	0.000	1.26E+10	172.6650229
61.5825992	0.000	1.26E+10	182.5468153
61.22601988	0.000	1.26E+10	177.5955282
60.77945467	0.000	1.26E+10	189.2353585
60.98880404	0.000	1.26E+10	197.1051591
60.69388762	0.000	1.26E+10	251.3967188
61.25700758	0.000	1.26E+10	210.3733914
60.10973794	0.000	1.26E+10	179.0321695
58.88821165	0.000	1.26E+10	282.586091
59.59077953	0.000	1.26E+10	200.5958928
59.88246435	0.000	1.26E+10	170.1427843
60.25700315	0.000	1.26E+10	177.886244
60.0969604	0.000	1.24E+10	191.5683199
60.63742723	0.000	1.16E+10	211.6439782
59.90057016	0.000	1.07E+10	221.9073603
60.20637659	0.000	1.07E+10	184.0607223
61.18529917	0.000	1.06E+10	246.1792496
60.43170676	0.000	1.07E+10	246.8653724
59.22356411	0.000	1.11E+10	281.2535964
60.30726467	0.000	9.30E+09	175.3181348
61.15756999	0.000	8.87E+09	144.9378929
61.33451392	0.000	7.15E+09	244.9403991
59.55738734	0.000	6.43E+09	229.0314995
59.60588128	0.000	6.30E+09	212.2229963
59.91764276	0.000	6.29E+09	267.4869265
57.4683757	0.000	6.62E+09	337.3935587
58.02408589	0.000	6.48E+09	250.4314519
60.18353003	0.000	6.32E+09	200.8924931
60.64668404	0.000	6.37E+09	201.614332
61.24860541	0.000	6.28E+09	161.0808948
61.38272078	0.000	6.28E+09	168.8779729
59.52917113	0.000	6.29E+09	231.1132232
58.64514171	0.000	6.29E+09	223.8669892
59.0378962	0.000	6.29E+09	183.8382834

59.56966501	0.000	6.39E+09	169.8819416
58.59537714	0.000	1.14E+10	164.2357529
58.90321654	0.000	8.43E+09	158.260837
58.96616594	0.000	6.28E+09	158.8826849
59.4959673	0.000	6.28E+09	126.5385714
59.81038692	0.000	6.61E+09	119.6523555
59.8287546	0.000	1.26E+10	101.5107509
59.65055902	0.000	1.26E+10	123.5927781
60.29916701	0.000	1.26E+10	114.5953132
60.94665879	0.000	1.26E+10	167.8787083
59.32433354	0.000	1.26E+10	268.9147264
60.1592011	0.000	1.26E+10	206.7953551
59.41570199	0.000	1.26E+10	231.3800647
59.01105102	0.000	1.26E+10	145.1690326
58.26022012	0.000	1.26E+10	208.2471044
57.59916869	0.000	1.26E+10	239.9882476
57.14216855	0.000	1.26E+10	224.3125817
57.40198742	0.000	1.26E+10	182.6244639
57.98230545	0.000	1.26E+10	173.8822903
57.62573896	0.000	1.26E+10	221.8628238
58.28714562	0.000	1.26E+10	206.4526581
58.20724765	0.000	1.26E+10	160.2113263
58.0895674	0.000	1.26E+10	181.7284489
57.71953287	0.000	1.26E+10	205.1217417
57.92134044	0.000	1.26E+10	138.1931715
58.17679385	0.000	1.26E+10	149.1861134
57.70177763	0.000	1.26E+10	141.140606
59.00370563	0.000	1.26E+10	84.80306798
59.48890387	0.000	1.26E+10	72.93367217
59.44362894	0.000	1.26E+10	91.41630535
59.13481678	0.000	1.26E+10	127.0834469
59.3485062	0.000	1.26E+10	127.3358018
59.49136882	0.000	1.26E+10	124.837449
56.98455407	0.000	1.26E+10	225.7680848
56.6300189	0.000	1.26E+10	161.0289716
57.56685727	0.000	1.26E+10	129.4392271
57.0357299	0.000	1.26E+10	147.1571116
57.66529982	0.000	1.26E+10	215.2897781
57.07645959	0.000	1.26E+10	254.7564575
56.43581527	0.000	1.26E+10	310.9737153
54.33144182	0.000	1.26E+10	237.2294205
54.85833288	0.000	1.26E+10	183.275096
56.5951004	0.000	1.26E+10	142.5898353
57.88070327	0.000	1.26E+10	115.1936594
56.69109876	0.000	1.26E+10	215.1213649
54.46662069	0.000	1.26E+10	259.5416439
53.75910226	0.000	1.26E+10	275.9398735
54.11799596	0.000	1.26E+10	302.0047476
54.35057644	0.000	1.26E+10	291.4965908
55.68898816	0.000	1.26E+10	207.1001703
55.40486853	0.000	1.26E+10	106.1039327
55.49575903	0.000	1.17E+10	80.61205906

55.84667492	0.000	1.26E+10	104.9702594
56.62525471	0.000	1.26E+10	97.83011
57.13892413	0.000	1.26E+10	96.95227433
58.16122547	0.000	1.26E+10	65.19095207
58.53295473	0.000	1.26E+10	34.51512233
58.74284617	0.000	1.26E+10	37.85392583
58.80484062	0.000	1.25E+10	45.13406626
54.6289241	0.000	1.15E+10	205.2735034
52.80195637	0.000	1.06E+10	136.1547483
53.46332448	0.000	6.79E+09	114.9962006
54.79412323	0.000	6.29E+09	134.7771237
55.91630958	0.000	6.28E+09	114.5821662
55.03440877	0.000	6.30E+09	129.1411133
55.76230171	0.000	6.28E+09	121.6179202
58.44837892	0.000	6.28E+09	82.46413728
54.70732058	0.000	6.30E+09	234.6463288
53.00834274	0.000	6.29E+09	159.6789408
53.12262261	0.000	6.28E+09	194.9269984
52.36315585	0.000	6.29E+09	131.3741762
53.85338697	0.000	6.31E+09	88.9598017
54.73580676	0.000	6.28E+09	103.7667056
54.97480265	0.000	6.30E+09	86.41090217
56.2943845	0.000	6.39E+09	69.72718547
56.26882972	0.000	6.34E+09	36.52148725
56.69439442	0.000	6.28E+09	36.72917979
57.22164186	0.000	6.29E+09	37.48404188
56.5664929	0.000	6.29E+09	142.9701007
52.95518468	0.000	6.36E+09	139.2193711
54.63733759	0.000	6.49E+09	119.0534618
53.98587751	0.000	7.55E+09	143.4520699
52.58518185	0.000	1.26E+10	108.3596668
55.55505762	0.000	7.78E+09	74.10469775
54.93525741	0.000	6.29E+09	75.31065733
55.92241066	0.000	6.30E+09	38.84168606
56.52146384	0.000	6.30E+09	22.28989164
56.44896703	0.000	6.75E+09	39.86827374
58.243656	0.000	6.30E+09	14.76701533
58.70462983	0.000	6.29E+09	15.4735997
58.28122524	0.000	6.28E+09	59.16987186
54.6536564	0.000	6.29E+09	153.2793631
53.56931909	0.000	6.29E+09	117.7744783
53.0705386	0.000	6.28E+09	213.7585207
51.52624456	0.000	6.29E+09	156.2521596
53.0152005	0.000	6.29E+09	138.6741578
49.98673043	0.000	6.29E+09	204.7829236
48.91415642	0.000	6.29E+09	150.1224551
50.04847519	0.000	6.29E+09	146.6648657
52.87760424	0.000	6.29E+09	87.31017584
56.16708008	0.000	6.29E+09	58.47312573
52.67413963	0.000	6.28E+09	169.3908016
51.31051668	0.000	6.29E+09	154.5155081
50.83604845	0.000	6.28E+09	86.23215352

52.10658531	0.000	6.28E+09	126.1536339
52.37655087	0.000	6.28E+09	122.3849943
51.60395388	0.000	6.30E+09	84.77047386
53.46020648	0.000	6.27E+09	85.29898692
54.81925487	0.000	6.27E+09	24.58018237
57.38926263	0.000	6.29E+09	8.599956982
58.32520025	0.000	6.29E+09	9.349118847
55.33606208	0.000	6.29E+09	47.82589928
57.16984576	0.000	6.97E+09	10.55688621
56.19137115	0.000	6.28E+09	20.61308864
52.72260299	0.000	6.29E+09	139.4140935
52.05035688	0.000	6.63E+09	92.74845156
52.68685591	0.000	6.49E+09	58.4507834
53.05399073	0.000	6.29E+09	51.63059699
52.2614175	0.000	6.28E+09	117.361127
51.67456306	0.000	6.28E+09	146.8242865
51.79140356	0.000	6.32E+09	101.7602314
52.5948698	0.000	6.02E+09	73.22745185
54.43402707	0.000	6.29E+09	93.17440021
52.91926562	0.000	6.29E+09	82.76247548
53.08932522	0.000	6.28E+09	81.71241643
54.65338088	0.000	6.28E+09	23.21880063
54.48306649	0.000	6.29E+09	68.6505871
52.7308974	0.000	6.30E+09	135.9629886
50.64868942	0.000	6.29E+09	89.53298337
52.07571077	0.000	6.29E+09	110.2659095
52.09214498	0.000	6.28E+09	87.89959279
52.13842708	0.000	6.28E+09	153.4232131
51.52307631	0.000	6.29E+09	110.5744135
50.04507945	0.000	1.04E+10	145.4671079
49.55069916	0.000	8.28E+09	160.9652404
49.90677043	0.000	6.28E+09	142.3433835
51.34967591	0.000	6.29E+09	122.4130718
52.03677693	0.000	6.28E+09	75.27152671
52.2007218	0.000	6.29E+09	47.98730795
53.21689596	0.000	6.29E+09	47.93329846
53.3506526	0.000	6.29E+09	50.34059856
52.27108611	0.000	6.32E+09	53.50600191
52.08021964	0.000	6.28E+09	68.90459735
52.40096488	0.000	6.29E+09	111.3267559
52.279398	0.000	6.29E+09	61.10869626
53.79303038	0.000	6.29E+09	35.76758376
53.59046669	0.000	6.28E+09	28.74683025
53.09806863	0.000	6.28E+09	62.98702148
55.77697635	0.000	6.30E+09	6.754460528
55.33506097	0.000	6.28E+09	62.96631695
52.52503853	0.000	6.29E+09	157.1467813
51.35250785	0.000	9.10E+09	110.1736868
50.90367906	0.000	8.67E+09	83.17824707
52.14044518	0.000	6.28E+09	80.47073072
52.04986377	0.000	6.29E+09	110.409308
51.19613572	0.000	6.30E+09	72.60759327

50.99103353	0.000	8.21E+09	81.11273212
49.89851375	0.000	6.76E+09	156.1798246
50.22105013	0.000	6.29E+09	107.6990743
50.36961247	0.000	6.28E+09	89.14324243
51.49340101	0.000	6.29E+09	91.61262391
52.99195818	0.000	6.28E+09	50.46234547
52.9835712	0.000	6.30E+09	45.55433313
52.63328808	0.000	6.29E+09	41.91084668
53.40987183	0.000	6.29E+09	70.3815513
53.17032951	0.000	6.29E+09	48.82871329
53.09607502	0.000	6.35E+09	51.83499996
54.05528508	0.000	6.29E+09	37.14033062
55.59885616	0.000	6.28E+09	32.2433825
54.73083456	0.000	6.30E+09	17.00746277
53.65280565	0.000	6.28E+09	70.22203272
52.43392607	0.000	6.27E+09	75.36151217
51.98608892	0.000	6.27E+09	143.0904467
52.42065856	0.000	6.28E+09	89.25389747
53.68817492	0.000	6.28E+09	56.80847903
53.86991298	0.000	6.27E+09	45.42885776
56.49960458	0.000	6.73E+09	78.0249843
55.87531251	0.000	7.24E+09	37.52596465
57.92396925	0.000	6.28E+09	39.47769813
57.10235272	0.000	6.29E+09	14.60063333
56.26457143	0.000	6.28E+09	10.22285506
57.87409008	0.000	6.29E+09	0.283206107
54.40336721	0.000	6.32E+09	50.77334199
53.65187132	0.000	6.29E+09	54.21771571
54.40026496	0.000	6.29E+09	38.87866971
53.9855008	0.000	6.61E+09	123.8865026
54.33684016	0.000	1.23E+10	195.0179139
54.64438034	0.000	1.25E+10	95.49744391
55.49272864	0.000	1.26E+10	62.80082735
57.79708255	0.000	1.25E+10	43.63505826
55.21282454	0.000	1.02E+10	127.6650367
54.57769182	0.000	6.29E+09	112.0106833
56.15059951	0.000	6.29E+09	19.86804209
56.7330384	0.000	6.28E+09	51.20046013
56.79835639	0.000	6.28E+09	65.26588038
57.37823336	0.000	6.28E+09	73.56709665
54.09739747	0.000	9.62E+09	238.985562
53.35098571	0.000	1.07E+10	163.2127091
52.03201029	0.000	8.79E+09	175.5832629
53.13453385	0.000	6.29E+09	223.7065536
53.4777469	0.000	1.03E+10	130.6699923
54.45054791	0.000	6.75E+09	74.50647039
55.89531876	0.000	6.30E+09	63.2708379
55.06321857	0.000	1.05E+10	122.1478277
53.76752769	0.000	6.83E+09	113.6543274
52.92941878	0.000	6.28E+09	101.9049711
54.46812175	0.000	6.28E+09	91.68867266
55.38924304	0.000	6.28E+09	78.90908106

56.97315753	0.000	6.29E+09	73.86757668
56.60242892	0.000	6.29E+09	86.50552372
55.88655202	0.000	6.29E+09	58.73162918
56.22686982	0.000	6.31E+09	19.66765968
56.34158075	0.000	6.29E+09	17.08384271
57.98979653	0.000	6.29E+09	8.460029992
56.59969471	0.000	6.28E+09	25.31803935
55.92720791	0.000	6.28E+09	78.19876951
56.06564937	0.000	6.28E+09	161.0342084
55.65633511	0.000	6.28E+09	107.2518713
55.86711772	0.000	6.29E+09	105.1867628
56.36688243	0.000	6.28E+09	106.5251281
57.02435798	0.000	6.28E+09	72.45278678
55.62191669	0.000	6.29E+09	242.6786192
54.82475069	0.000	6.29E+09	152.130625
52.84032938	0.000	6.29E+09	147.8008653
53.41905476	0.000	6.28E+09	261.262794
54.32826286	0.000	6.28E+09	231.4471309
54.96966653	0.000	6.32E+09	115.8229059
56.73567504	0.000	6.28E+09	114.9282962
56.1078179	0.000	6.28E+09	95.5235801
56.04070879	0.000	6.29E+09	96.56827087
56.29195692	0.000	6.28E+09	237.8768687
57.78117834	0.000	6.28E+09	126.9265728
59.61788869	0.000	6.31E+09	84.74619426
60.36798722	0.000	6.28E+09	107.0553806
60.67457841	0.000	6.28E+09	98.20166249
59.85971076	0.000	6.28E+09	86.26673746
60.16292397	0.000	6.29E+09	67.29070088
60.46775935	0.000	6.29E+09	75.64914662
60.35592502	0.000	6.28E+09	79.49292806
58.13920596	0.000	6.32E+09	139.7637208
57.64446566	0.000	8.44E+09	134.5988028
57.61255889	0.000	1.26E+10	181.7673452
58.29936159	0.000	1.05E+10	144.4068348
58.76919393	0.000	6.47E+09	148.8791855
56.50903808	0.000	6.29E+09	228.3678532
56.45052091	0.000	6.29E+09	191.1769818
57.28029389	0.000	6.30E+09	160.5471129
57.60100649	0.000	6.28E+09	155.1111462
58.25963235	0.000	6.28E+09	119.1810674
59.46942032	0.000	5.55E+09	74.18938837
61.22402349	0.000	6.29E+09	103.0998328
57.69306209	0.000	6.28E+09	180.0608918
55.96481123	0.000	6.26E+09	228.4956703
57.31478179	0.000	6.28E+09	203.505406
57.70339982	0.000	6.28E+09	175.9222148
59.5342784	0.000	4.49E+09	64.22596222
59.58433141	0.000	4.40E+09	47.17639135
59.08861407	0.000	4.39E+09	54.50587214
60.31300663	0.000	3.01E+09	77.23563075
59.14618828	0.000	7.82E+08	174.3514322

58.62544637	0.000	7.26E+07	166.6280947
59.07511398	0.000	8.52E+07	157.0234067
57.63789296	0.000	1.79E+08	252.0062498
58.45559154	0.000	2.24E+07	188.2064848
58.69214361	0.000	9.85E+06	109.8520545
59.51603773	0.000	1.61E+07	96.40362237
59.79640608	0.000	6.01E+07	113.9764397
57.91635524	0.000	3.50E+07	131.2268226
58.11653495	0.000	3.57E+06	169.4092601
59.40929422	0.000	-8.98E+06	166.0489444
59.63265582	0.000	2.24E+07	163.9976718
60.24902559	0.000	9.85E+06	123.9426721
60.30978413	0.000	3.57E+06	114.8721121
59.44727636	0.000	4.37E+08	126.2208125
59.49020233	0.000	6.21E+09	151.0021377
59.37361412	0.000	6.28E+09	179.6769434
59.27626874	0.000	6.28E+09	205.2545773
60.02678595	0.000	6.29E+09	175.5645103
60.72655306	0.000	6.28E+09	136.8332747
62.02448971	0.000	6.29E+09	105.4750317
62.05426852	0.000	6.29E+09	112.1484174
61.53236765	0.000	6.31E+09	154.7653944
61.60647602	0.000	6.28E+09	163.7617097
61.71229408	0.000	6.29E+09	167.6896995
61.44461556	0.000	6.29E+09	187.3515233
60.54840698	0.000	6.28E+09	145.902923
60.38994159	0.000	6.29E+09	174.7264755
60.20522336	0.000	6.29E+09	198.6701009
60.32338766	0.000	6.29E+09	236.3095251
60.5237199	0.000	6.28E+09	172.8366016
61.60812292	0.000	6.29E+09	189.2676421
61.97977599	0.000	6.28E+09	222.0756292
61.43087729	0.000	6.28E+09	213.2107326
62.28478724	0.000	6.29E+09	242.043666
62.25653404	0.000	6.29E+09	221.2523917
59.95070566	0.000	6.33E+09	249.8929385
60.5228046	0.000	6.54E+09	241.9488771
61.19794973	0.000	6.28E+09	191.0994987
62.81136573	0.000	6.28E+09	170.6085427
63.18901122	0.000	6.27E+09	142.6991734
62.57408037	0.000	6.29E+09	188.8047009
61.35201689	0.000	6.31E+09	212.1357746
61.09198937	0.000	6.33E+09	370.4212853
59.70848991	0.000	6.28E+09	386.2250241
59.46362819	0.000	6.28E+09	247.6017283
60.61817547	0.000	6.29E+09	275.6981843
60.25548265	0.000	6.28E+09	320.2794202
59.96802083	0.000	6.29E+09	230.1393584
61.24040158	0.000	6.31E+09	190.3934738
62.3066939	0.000	6.33E+09	159.1982696
61.58823869	0.000	6.28E+09	259.3385009
62.3527474	0.000	8.26E+09	189.1365292

63.32614666	0.000	1.23E+10	203.2599432
63.0886396	0.000	1.16E+10	233.4659487
62.54243671	0.000	9.76E+09	184.9533884
61.49117239	0.000	6.72E+09	184.9003934
62.05462096	0.000	6.29E+09	163.194246
62.9413461	0.000	6.28E+09	229.0185499
60.97901617	0.000	6.28E+09	329.6986661
60.74551687	0.000	6.29E+09	264.3867584
61.17775925	0.000	6.29E+09	273.4087491
60.3489748	0.000	6.29E+09	269.5405986
60.57161626	0.000	6.30E+09	265.0765148
60.92390667	0.000	6.28E+09	254.4103854
61.07697793	0.000	6.28E+09	294.4855777
60.85784141	0.000	6.28E+09	260.2833724
61.44873962	0.000	6.29E+09	245.9462004
62.20907445	0.000	6.29E+09	266.0639892
61.21543306	0.000	6.28E+09	281.103828
60.82237403	0.000	6.32E+09	218.9172825
61.23042584	0.000	1.25E+10	254.0049089
60.73721367	0.000	1.09E+10	204.3370653
60.5725224	0.000	8.44E+09	179.3221735
61.00614752	0.000	5.04E+09	143.1049553
61.12333375	0.000	4.41E+09	145.6823506
61.41346533	0.000	4.43E+09	177.600561
61.39020744	0.000	4.44E+09	190.63
60.67563062	0.000	4.45E+09	239.4791772
61.76963351	0.000	4.29E+09	225.4638429
59.85929416	0.000	3.04E+09	331.1321234
57.8789296	0.000	7.16E+09	344.1618727
58.23052192	0.000	3.67E+09	336.2041544
58.64932256	0.000	3.30E+08	239.9783137
59.54081307	0.000	4.12E+07	217.6161398
60.8687765	0.000	6.01E+07	219.5455071
60.7221125	0.000	9.85E+06	183.673984
61.44790926	0.000	1.61E+07	150.8729029
62.59147205	0.000	1.61E+07	146.6190239
62.24533606	0.000	1.61E+07	238.9820812
62.04580699	0.000	1.94E+09	201.1752524
60.92091392	0.000	6.29E+09	163.8746801
60.21039063	0.000	6.29E+09	255.9336553
59.71020645	0.000	6.32E+09	273.0941081
59.7081106	0.000	6.29E+09	218.1084371
61.3733664	0.000	4.58E+09	219.1859812
60.76616869	0.000	3.97E+09	162.1838139
60.85283994	0.000	8.52E+07	167.3268106
60.63464942	0.000	2.24E+07	186.9327489
60.19917386	0.000	2.24E+07	194.6296131
59.72934011	0.000	9.77E+07	203.1391851
59.38240429	0.000	3.10E+09	207.526782
60.4604017	0.000	2.19E+09	218.6621761
60.42652965	0.000	1.61E+07	141.9357577
61.76298797	0.000	3.30E+08	163.9466449

62.61445389	0.000	5.38E+07	175.40744
62.60783896	0.000	7.26E+07	204.5082135
61.11699123	0.000	9.85E+06	304.792035
60.35461668	0.000	3.57E+06	195.5534198
61.15360839	0.000	9.85E+06	205.8347874
62.0300109	0.000	9.85E+06	194.8552162
61.1066397	0.000	9.85E+06	184.1310028
58.9487001	0.000	1.42E+08	238.7834241
57.16060623	0.000	1.98E+08	358.4830476
57.59611891	0.000	1.56E+09	340.5229012
57.6939611	0.000	5.84E+09	233.737669
59.33709681	0.000	3.47E+09	221.8799103
59.37681694	0.000	2.99E+08	206.8829618
60.15871695	0.000	3.57E+06	195.0378025
60.55418862	0.000	4.75E+07	199.7105546
58.6336432	0.000	5.38E+07	225.562493
56.30063179	0.000	3.74E+08	362.1953788
55.61552101	0.000	1.35E+09	250.2308642
55.43121578	0.000	1.61E+07	281.6702104
55.71991193	0.000	9.85E+06	229.0735319
56.16605772	0.000	9.85E+06	209.9829551
57.09076163	0.000	2.24E+07	209.5106938
57.4182858	0.000	2.93E+09	217.0070726
56.59423464	0.000	5.08E+09	296.2964602
55.86226623	0.000	9.32E+08	200.1362424
57.49312627	0.000	3.57E+06	108.8886564
57.16319334	0.000	1.61E+07	129.9783246
58.07844841	0.000	3.57E+06	117.9171233
58.8295128	0.000	1.23E+08	132.1492038
59.41118104	0.000	5.88E+09	93.90501695
58.33967218	0.000	2.14E+09	129.1157138
56.8992822	0.000	3.57E+06	207.446576
56.64116619	0.000	9.85E+06	149.2109349
57.20194645	0.000	9.85E+06	160.1827362
56.95873129	0.000	1.61E+07	225.2226113
57.35859153	0.000	4.75E+07	175.9134109
58.99753404	0.000	7.89E+07	57.91897297
59.44490526	0.000	-2.70E+06	68.62818069
56.79205723	0.000	1.61E+07	199.4550694
56.09609145	0.000	9.85E+06	139.5330678
56.04298968	0.000	1.61E+07	148.6516195
56.3359418	0.000	2.87E+07	141.236389
56.6379228	0.000	4.75E+07	126.1014844
55.29859482	0.000	9.14E+07	185.1903688
55.50417843	0.000	3.24E+08	181.6420178
54.99577478	0.000	2.30E+08	218.7263318
55.23385097	0.000	2.86E+08	217.9654025
56.41913012	0.000	1.61E+07	129.9484782
57.05461052	0.000	9.85E+06	99.26733245
54.98073309	0.000	1.61E+07	182.5007827
55.18865066	0.000	3.17E+08	152.5479831
54.32440579	0.000	7.94E+08	235.6902779

56.11648379	0.000	3.57E+06	222.309394
57.13282674	0.000	9.85E+06	233.0669234
53.39380986	0.000	9.85E+06	171.5297652
54.14495002	0.000	9.85E+06	104.6362022
55.11240807	0.000	1.61E+07	98.09150137
54.57220379	0.000	1.17E+08	82.53844082
56.99681355	0.000	3.57E+06	80.17427332
54.21121863	0.000	1.61E+07	200.2851217
53.13850697	0.000	1.61E+07	147.108956
53.63026497	0.000	9.85E+06	157.0329411
54.18102359	0.000	9.85E+06	104.3225173
54.95197663	0.000	2.23E+08	75.53226234
55.3419947	0.000	6.63E+07	83.06042082
56.77346634	0.000	6.01E+07	52.29927044
55.98180375	0.000	3.57E+06	211.9635869
53.28101315	0.000	1.61E+07	246.1727508
52.54874108	0.000	1.61E+07	132.525028
52.97618593	0.000	9.85E+06	122.6370168
53.29280165	0.000	5.38E+07	118.0085905
54.27062432	0.000	4.75E+07	161.1039362
53.61086632	0.000	4.75E+07	174.1650325
53.38249334	0.000	1.61E+07	133.0643556
55.88285209	0.000	3.57E+06	88.89550585
56.48680022	0.000	1.61E+07	69.58915861
55.66949198	0.000	9.85E+06	109.9437741
56.06106461	0.000	2.55E+08	95.24338613
55.61510128	0.000	3.80E+08	64.56615864
56.87718449	0.000	3.80E+08	19.31206742
53.40086048	0.000	9.85E+06	182.7001466
54.47303134	0.000	3.57E+06	125.7371367
54.60896814	0.000	3.57E+06	71.51008162
57.05232477	0.000	1.61E+07	27.02146924
55.84820558	0.000	9.85E+06	139.0239354
53.22272984	0.000	2.87E+07	133.7178478
53.63344095	0.000	8.52E+07	147.3057951
52.47947586	0.000	1.61E+07	101.720285
53.51588617	0.000	1.61E+07	116.1941346
53.79664923	0.000	2.92E+09	95.3674191
53.43254345	0.000	6.27E+09	65.70811868
55.21445206	0.000	4.93E+09	77.47674871
52.6671118	0.000	1.18E+10	197.6102819
51.93346684	0.000	1.17E+10	102.9055451
52.04590029	0.000	1.14E+10	95.987275
53.85708019	0.000	1.16E+10	70.45510158
53.84308914	0.000	5.68E+09	99.23574998
55.60325005	0.000	1.13E+10	25.44191312
54.56273824	0.000	1.14E+10	67.25678525
54.49641838	0.000	6.21E+09	64.39795309
54.74076043	0.000	1.20E+10	88.68409039
53.39588881	0.000	1.20E+10	124.6342755
52.82899547	0.000	1.19E+10	84.91457768
51.88500848	0.000	1.19E+10	90.91950571

51.27279113	0.000	1.19E+10	176.2169648
50.04480192	0.000	1.19E+10	171.4536809
50.70115595	0.000	6.32E+09	138.3227585
53.15950622	0.000	6.28E+09	59.67256829
51.62221468	0.000	6.29E+09	104.3772584
48.80265132	0.000	6.29E+09	213.689501
46.04027959	0.000	6.29E+09	219.5651178
47.50636836	0.000	6.28E+09	131.0550154
51.01618269	0.000	6.27E+09	111.4735672
51.54981928	0.000	6.31E+09	73.23773364
52.20182641	0.000	6.28E+09	105.1986325
48.95362671	0.000	6.28E+09	173.241968
48.75655041	0.000	6.28E+09	118.7391733
50.38571012	0.000	6.28E+09	79.52165177
51.2101333	0.000	6.28E+09	40.75240261
51.66906289	0.000	6.29E+09	39.05067162
52.6257148	0.000	6.32E+09	61.37063602
52.81642039	0.000	4.70E+09	35.06771366
52.80681391	0.000	5.09E+09	45.01257578
52.23466851	0.000	3.72E+09	68.92658649
51.61686222	0.000	3.36E+08	76.73831238
51.7306498	0.000	2.24E+07	63.26843481
52.0131507	0.000	1.61E+07	48.03681472
50.34547438	0.000	8.52E+07	141.7803858
49.13218569	0.000	4.12E+07	130.9300337
50.16731714	0.000	1.48E+08	93.81298878
51.00879555	0.000	9.14E+07	60.56511004
50.5289442	0.000	1.67E+08	86.42640611
49.75352016	0.000	2.61E+08	55.9822194
50.88624425	0.000	4.75E+07	54.26406939
50.7080716	0.000	5.38E+07	61.39991705
50.08591028	0.000	6.63E+07	71.89510152
48.64346206	0.000	3.57E+06	63.22129277
47.53835586	0.000	9.85E+06	105.0453283
48.01196302	0.000	9.85E+06	60.57580046
50.10511454	0.000	9.85E+06	47.39112194
52.30985011	0.000	4.21E+09	23.02288238
53.67860695	0.000	2.86E+09	18.08187858
53.41278653	0.000	8.52E+07	33.56636406
53.66341006	0.000	1.61E+07	31.00043783
52.07800265	0.000	9.85E+06	77.57143667
52.6302427	0.000	9.85E+06	55.22741661
52.2395758	0.000	3.57E+06	52.2215267
51.8870767	0.000	2.48E+08	114.5913741
50.66750767	0.000	4.75E+07	67.09261505
52.26656355	0.000	1.35E+08	72.12144415
54.35730693	0.000	-2.70E+06	30.15695065
53.63961803	0.000	1.61E+07	11.22845968
51.53143845	0.000	9.85E+06	46.7096204
50.45547469	0.000	9.85E+06	79.61743346
50.16428587	0.000	4.12E+07	115.4538098
50.03689157	0.000	8.52E+07	90.38911957

52.77403803	0.000	2.24E+07	57.29585051
54.14804559	0.000	3.57E+06	43.54226
55.96935177	0.000	9.85E+06	5.824649349
55.5076926	0.000	9.85E+06	4.550290761
56.38135678	0.000	2.24E+07	4.26457507
56.84877259	0.000	1.61E+07	0.788931298
55.82565259	0.000	1.17E+08	30.3448023
55.79824417	0.000	7.26E+07	27.2676189
54.78786918	0.000	-2.70E+06	20.92837397
54.61227579	0.000	9.85E+06	28.9033143
56.45379433	0.000	1.61E+07	39.58719993
56.05845529	0.000	1.61E+07	61.14839456
53.75176955	0.000	3.50E+07	92.15301358
53.4947427	0.000	8.52E+07	74.60890295
53.58796591	0.000	8.52E+07	69.17455299
56.1802952	0.000	9.85E+06	55.62948703
55.05372956	0.000	1.61E+07	148.5568166
52.67904659	0.000	-2.70E+06	104.4907402
51.73381489	0.000	4.89E+09	112.6650806
52.96541406	0.000	2.19E+09	102.5487921
51.91531109	0.000	8.52E+07	196.927477
51.55864919	0.000	-2.70E+06	162.3273542
53.09660446	0.000	-2.70E+06	124.3642319
51.6569924	0.000	3.57E+06	88.03298339
51.89257298	0.000	3.57E+06	91.75179834
54.12341226	0.000	3.57E+06	42.20826428
53.73653198	0.000	1.99E+09	57.93793164
52.30028417	0.000	5.57E+09	98.38100178
52.53132812	0.000	1.10E+10	110.0515429
50.81352092	0.000	1.10E+10	180.0594131
50.61811417	0.000	6.77E+09	101.831818
53.23938416	0.000	6.28E+09	121.3028234
51.57429107	0.000	6.28E+09	129.2249435
51.16126031	0.000	6.28E+09	96.43066393
53.20341101	0.000	6.31E+09	65.71924896
54.36699914	0.000	5.39E+09	54.76032026
57.02803871	0.000	4.26E+09	43.86696821
54.59432297	0.000	3.17E+09	103.7534284
54.1334385	0.000	1.18E+09	67.43147862
53.6528292	0.000	1.15E+09	51.00337417
55.29430572	0.000	7.25E+08	52.05722753
56.05508211	0.000	2.87E+07	78.1898095
55.81312576	0.000	2.24E+07	126.7995728
55.6274066	0.000	9.85E+06	127.7577506
54.68244254	0.000	9.85E+06	78.89879198
54.28655477	0.000	6.01E+07	57.63259887
54.23977257	0.000	1.60E+08	103.0149451
54.92226331	0.000	9.85E+06	77.48226387
55.21516326	0.000	9.85E+06	58.92854956
53.26403354	0.000	5.38E+07	178.2464347
54.8256219	0.000	3.57E+06	165.2476886
54.72951311	0.000	-2.70E+06	124.6500666

54.54188482	0.000	5.38E+07	95.43014164
55.32043307	0.000	4.12E+07	85.58441697
55.69695725	0.000	-2.70E+06	94.60593398
56.14309468	0.000	9.85E+06	37.36410224
57.27205088	0.000	2.87E+07	52.11622117
55.6354066	0.000	3.57E+06	136.1345432
55.32627571	0.000	9.85E+06	136.8825186
55.85342632	0.000	1.67E+08	131.916203
54.69780584	0.000	1.04E+08	115.4814829
54.72159645	0.000	5.87E+09	106.2577551
55.02051441	0.000	6.28E+09	115.1932389
56.43771821	0.000	6.29E+09	75.81396894
58.05824193	0.000	6.19E+09	61.37954479
56.99226093	0.000	5.81E+09	27.30459932
56.70319159	0.000	4.40E+09	28.53465208
56.49134433	0.000	4.48E+09	62.94600576
56.56452473	0.000	1.72E+09	130.3660817
56.63474682	0.000	2.87E+07	122.2643705
56.30946074	0.000	2.87E+07	127.7535814
56.60417658	0.000	3.30E+08	88.57624082
56.07961971	0.000	2.30E+08	97.65500502
53.66315152	0.000	5.31E+08	149.4793405
54.07500281	0.000	2.61E+08	114.6528757
56.16474825	0.000	2.61E+08	168.2125699
57.02240925	0.000	9.77E+07	136.7240969
58.24942755	0.000	2.04E+08	55.84929756
59.18059445	0.000	2.11E+08	41.5939579
57.86500431	0.000	9.85E+06	101.7951501
58.21807259	0.000	5.38E+07	71.71780424
59.09444835	0.000	6.63E+07	74.97613947
58.78527803	0.000	3.57E+06	157.9000588
58.00464984	0.000	1.61E+07	122.880097
57.51804498	0.000	3.57E+06	73.38944241
59.29670728	0.000	2.87E+07	129.3590214
59.03443967	0.000	1.61E+07	130.8869116
57.20014911	0.000	4.12E+07	84.95019524
57.98024194	0.000	6.01E+07	64.39423682
58.81950341	0.000	3.57E+06	96.77234082
57.26983728	0.000	-2.70E+06	261.5973377
56.88437692	0.000	4.12E+07	171.0159779
58.23551207	0.000	3.57E+06	175.7462744
59.5096221	0.000	1.29E+08	128.2562193
59.26573635	0.000	6.01E+07	131.9942131
58.88445662	0.000	3.50E+07	202.2768249
56.4867672	0.000	3.50E+07	217.2901767
55.80204926	0.000	3.50E+07	301.1522928
56.06426676	0.000	3.57E+06	252.390032
57.43491469	0.000	3.57E+06	147.1642222
60.55685442	0.000	2.36E+09	126.1281782
61.20111788	0.000	3.78E+09	100.2508335
61.33774931	0.000	1.64E+09	81.53516537
61.74126049	0.000	1.61E+09	82.86628007

59.65066115	0.000	-2.70E+06	108.5009058
59.33739942	0.000	3.57E+06	103.0577546
60.17047828	0.000	9.85E+06	142.8575909
61.66686387	0.000	3.57E+06	88.59649589
58.89675817	0.000	3.57E+06	135.5565206
59.88772136	0.000	3.57E+06	114.9060315
59.13797981	0.000	9.85E+06	112.1755674
56.00735903	0.000	7.89E+07	273.1080496
56.42266839	0.000	1.61E+07	303.7466536
57.16129544	0.000	9.85E+06	209.6923259
59.75182381	0.000	2.24E+07	221.4525253
60.71877664	0.000	3.57E+06	121.1885836
60.01304034	0.000	2.67E+08	156.9631207
60.3003807	0.000	2.48E+08	146.3545345
62.05949278	0.000	7.76E+09	88.34423786
62.71970973	0.000	6.74E+09	63.68116562
62.4927944	0.000	6.29E+09	89.96900421
62.58303924	0.000	6.29E+09	123.895848
62.40510037	0.000	6.28E+09	150.4493955
62.43873094	0.000	6.28E+09	126.8537003
62.65243303	0.000	6.28E+09	114.0238607
62.81399285	0.000	6.28E+09	209.020726
62.22523534	0.000	6.29E+09	194.4333597
60.81951141	0.000	5.33E+09	245.4783343
59.65137635	0.000	4.60E+09	274.5530354
60.66806469	0.000	1.02E+10	145.2236445
62.65419981	0.000	1.07E+10	164.7978944
62.74598835	0.000	6.93E+09	170.6349562
61.89499372	0.000	6.30E+09	238.4258725
60.8718021	0.000	6.28E+09	264.34689
60.21521291	0.000	6.29E+09	273.8741084
60.61094124	0.000	6.28E+09	242.779406
60.32602513	0.000	6.28E+09	215.573952
60.71264847	0.000	6.29E+09	283.3459336
59.68651907	0.000	6.28E+09	311.0997468
61.50252572	0.000	6.27E+09	321.5790141
60.57329355	0.000	6.27E+09	309.8163281
60.26658623	0.000	6.28E+09	178.0618011
60.50846392	0.000	6.29E+09	122.5542381
60.80052021	0.000	6.29E+09	241.5536752
60.6776051	0.000	6.29E+09	166.4668943
60.86580585	0.000	6.29E+09	182.8329722
62.04496094	0.000	6.74E+09	226.1931499
62.10503185	0.000	7.18E+09	270.3210592
61.47662542	0.000	6.84E+09	256.3002851
61.35183429	0.000	6.46E+09	262.1503687
58.84453117	0.000	6.62E+09	344.8672544
59.82080529	0.000	6.37E+09	188.2419697
59.70479618	0.000	6.61E+09	206.5845604
62.19377219	0.000	1.25E+10	166.7722362
61.59776932	0.000	1.26E+10	180.8923671
60.08714422	0.000	1.24E+10	133.6411687

60.78448428	0.000	7.40E+09	155.841302
61.28315016	0.000	6.83E+09	187.5524849
61.16033917	0.000	7.01E+09	233.1739154
60.92216938	0.000	6.32E+09	205.6633275
60.20748631	0.000	6.29E+09	231.4849828
59.99390534	0.000	6.33E+09	217.3002513
59.6602309	0.000	6.29E+09	219.7000725
59.5165936	0.000	6.29E+09	220.4681291
59.87375031	0.000	6.29E+09	193.7485505
60.97244279	0.000	6.29E+09	150.1240369
61.80511297	0.000	6.32E+09	153.8453927
60.91316011	0.000	6.28E+09	212.0691075
59.59443257	0.000	6.28E+09	194.9411288
61.07115571	0.000	6.29E+09	245.5902986
58.88177436	0.000	6.29E+09	219.7319431
58.7672322	0.000	6.29E+09	247.8876777
59.12230507	0.000	6.28E+09	184.6135126
59.96136339	0.000	6.29E+09	130.6869475
61.06272679	0.000	6.28E+09	116.4099631
61.85545669	0.000	6.29E+09	137.1219695
61.45323745	0.000	6.28E+09	106.7567516
61.12043345	0.000	6.29E+09	89.63639451
60.98481821	0.000	6.29E+09	111.9096655
61.49810238	0.000	6.29E+09	85.96549176
62.11355903	0.000	6.29E+09	121.2582321
62.03128847	0.000	6.28E+09	113.6277633
61.15051484	0.000	6.27E+09	103.4392428
60.66249146	0.000	6.29E+09	108.1587572
60.47520078	0.000	6.29E+09	121.5968005
61.04082427	0.000	6.28E+09	124.5533238
60.66633028	0.000	6.29E+09	120.0234986
60.95508974	0.000	6.29E+09	110.764417
60.97861682	0.000	6.28E+09	193.06541
60.79532462	0.000	6.27E+09	218.1551896
60.64859783	0.000	6.29E+09	223.3413438
59.39092348	0.000	6.29E+09	174.3182737
60.03279483	0.000	6.29E+09	154.2908891
59.13340778	0.000	6.29E+09	326.0794646
58.92024731	0.000	6.28E+09	193.9244559
59.76018652	0.000	6.30E+09	241.9252151
59.63430662	0.000	6.28E+09	194.5009979
59.55097137	0.000	6.29E+09	301.28725
59.20058527	0.000	6.28E+09	260.4651453
59.3766804	0.000	6.28E+09	148.7787702
59.87187884	0.000	6.28E+09	216.9029209
60.53160794	0.000	6.28E+09	266.6321438
60.39481119	0.000	6.29E+09	196.0336576
61.55249951	0.000	6.27E+09	186.9914115
60.49607557	0.000	9.16E+09	253.1244175
59.68796535	0.000	1.06E+10	194.3682499
60.95641507	0.000	6.50E+09	189.3978566
62.15446479	0.000	6.29E+09	198.5886028

58.71071667	0.000	6.28E+09	213.1335391
58.46240575	0.000	6.28E+09	289.8738061
57.95349953	0.000	6.28E+09	298.6822339
57.47661124	0.000	6.29E+09	214.6190337
57.80867974	0.000	6.28E+09	227.0958835
58.73711362	0.000	6.28E+09	195.4860062
59.469993	0.000	6.28E+09	134.361533
59.94104084	0.000	6.28E+09	87.15787405
59.85748997	0.000	6.28E+09	188.3255896
59.84758012	0.000	6.28E+09	140.7594932
60.23030026	0.000	6.28E+09	108.5631268
58.77724508	0.000	6.28E+09	239.6888041
56.63142304	0.000	6.28E+09	269.408377
56.56780609	0.000	6.28E+09	221.5190892
56.69735785	0.000	6.29E+09	193.0326864
57.41707068	0.000	7.40E+09	138.5996821
58.89980238	0.000	7.80E+09	161.4890943
59.5102336	0.000	7.81E+09	135.9015432
59.45679876	0.000	7.85E+09	128.7741885
59.34556664	0.000	7.82E+09	133.7886934
60.67880477	0.000	7.82E+09	106.1134876
60.52812731	0.000	7.85E+09	74.47882203
59.31410265	0.000	7.84E+09	268.9518281
56.19467409	0.000	7.84E+09	402.4198479
54.81440222	0.000	7.82E+09	354.0999912
55.6015055	0.000	7.85E+09	338.2793784
57.1633886	0.000	7.85E+09	244.61754
55.80793182	0.000	7.82E+09	263.8605277
55.66795043	0.000	7.84E+09	278.9129606
56.29764559	0.000	7.85E+09	238.9353983
57.89562791	0.000	7.84E+09	158.9788801
57.91624568	0.000	7.84E+09	130.3763369
57.36999164	0.000	7.16E+09	179.3132735
56.93187752	0.000	6.38E+09	156.8529765
57.84771227	0.000	7.19E+09	109.063695
58.90064753	0.000	1.26E+10	83.42259423
57.92733215	0.000	1.26E+10	117.7412505
57.83912002	0.000	1.26E+10	143.8357829
57.59492659	0.000	1.26E+10	160.5812135
57.93009828	0.000	1.26E+10	233.1684006
57.52848681	0.000	1.26E+10	197.5552362
57.87844095	0.000	1.26E+10	125.3706284
58.14043512	0.000	1.26E+10	112.8359342
58.21190354	0.000	1.26E+10	106.5118953
59.10707226	0.000	1.26E+10	63.22976854
59.42903816	0.000	1.26E+10	75.11104571
60.22643525	0.000	1.26E+10	47.14482821
60.27712939	0.000	1.26E+10	107.0379222
59.88901056	0.000	1.26E+10	76.89781531
59.76812222	0.000	1.26E+10	87.22066293
56.71199814	0.000	1.26E+10	146.890358
57.13120676	0.000	1.26E+10	115.8917115

58.74868397	0.000	1.26E+10	97.7374454
59.35363201	0.000	1.26E+10	97.19831027
60.58700996	0.000	1.26E+10	78.10701505
60.39862811	0.000	1.26E+10	78.02679906
58.23576376	0.000	1.26E+10	145.0551579
58.19276252	0.000	1.26E+10	109.6195568
57.4034835	0.000	1.26E+10	106.9584838
56.98168725	0.000	1.10E+10	259.0020131
54.6190049	0.000	1.10E+10	295.0473191
56.083967	0.000	1.24E+10	180.6809003
56.79342512	0.000	1.23E+10	141.6912552
55.46840529	0.000	1.10E+10	266.3334108
53.38083968	0.000	1.07E+10	260.5029258
53.19185729	0.000	1.07E+10	178.4965833
54.24416846	0.000	1.07E+10	138.9472609
56.05445945	0.000	1.03E+10	209.2040349
57.02098917	0.000	8.16E+09	131.160078
54.41754538	0.000	7.57E+09	235.4515794
53.63152309	0.000	6.47E+09	239.3446257
53.7330367	0.000	6.28E+09	202.4177496
55.22764332	0.000	6.28E+09	212.0401818
56.17399848	0.000	6.28E+09	195.5810778
52.73377224	0.000	8.58E+09	145.9948836
53.25979235	0.000	1.24E+10	121.4726287
52.95583474	0.000	1.23E+10	162.4074235
51.75622683	0.000	8.67E+09	230.4670876
51.5914862	0.000	6.28E+09	184.6906094
51.47014699	0.000	6.28E+09	166.8880177
51.64712635	0.000	6.28E+09	93.03999519
52.49489462	0.000	6.28E+09	89.19423143
53.1439627	0.000	6.28E+09	77.37051509
53.75901949	0.000	6.28E+09	87.52684767
54.57478294	0.000	6.28E+09	73.69500629
56.77278087	0.000	6.28E+09	59.2364718
53.49293366	0.000	6.28E+09	123.7544292
53.50084016	0.000	6.28E+09	113.4121999
54.71901197	0.000	6.29E+09	101.8561392
53.54915983	0.000	6.28E+09	86.25836639
54.17823775	0.000	6.02E+09	64.97771336
52.63933631	0.000	6.28E+09	111.2495637
52.31192562	0.000	6.29E+09	126.9114618
52.12031274	0.000	6.28E+09	148.3562118
50.10069241	0.000	6.28E+09	179.490584
52.21869315	0.000	6.29E+09	134.8199873
52.04374588	0.000	6.28E+09	64.06575732
53.16964504	0.000	6.28E+09	54.4421548
53.8413302	0.000	6.29E+09	67.13967625
53.13592191	0.000	6.28E+09	63.4778281
55.4925315	0.000	6.28E+09	27.87559013
55.5949273	0.000	6.28E+09	27.02463221
56.36661648	0.000	6.28E+09	16.09897345
54.30780377	0.000	6.28E+09	49.04248985

56.61908593	0.000	6.28E+09	21.79949585
57.87116093	0.000	6.28E+09	19.90420427
57.07516126	0.000	6.28E+09	43.45335366
55.35612525	0.000	1.09E+10	37.15479354
54.33323311	0.000	1.23E+10	53.26557329
57.27584351	0.000	1.24E+10	70.27035436
52.93072163	0.000	1.25E+10	103.2555563
53.65319188	0.000	1.24E+10	102.6988347
54.63190428	0.000	9.54E+09	123.6640613
51.87280907	0.000	6.28E+09	84.70156295
54.02341611	0.000	6.29E+09	66.46583522
57.06648856	0.000	6.28E+09	39.50907211
58.5035265	0.000	6.28E+09	34.80904091
56.96256329	0.000	6.28E+09	48.47902654
53.57817803	0.000	1.10E+10	67.41546287
56.6589729	0.000	1.16E+10	30.13993553
55.90168839	0.000	6.41E+09	44.16714376
51.7538738	0.000	6.28E+09	158.9181792
51.23532845	0.000	6.29E+09	129.8588027
52.2171416	0.000	6.29E+09	138.0110125
51.78059272	0.000	6.28E+09	118.2976055
53.39412615	0.000	6.28E+09	137.5935016
52.95073539	0.000	6.28E+09	159.2245763
50.30905676	0.000	6.14E+09	155.286591
49.71726882	0.000	5.70E+09	104.4572579
50.24499999	0.000	4.39E+09	113.3308869
50.52401086	0.000	4.40E+09	158.2384365
51.26609542	0.000	4.40E+09	144.4371284
52.8963076	0.000	4.41E+09	143.9168153
51.31487418	0.000	4.41E+09	190.5171337
49.64944053	0.000	4.05E+09	113.6196725
50.81478125	0.000	4.25E+09	86.42182979
51.612834	0.000	1.60E+09	53.71838027
52.95295254	0.000	1.98E+08	105.6798095
47.2677783	0.000	1.61E+07	200.1282701
44.75184075	0.000	2.24E+07	211.6109624
48.69629848	0.000	9.85E+06	152.8501829
50.16104815	0.000	3.57E+06	111.5253959
51.89495892	0.000	3.57E+06	104.9921384
52.92417312	0.000	9.85E+06	114.3549368
50.56443742	0.000	9.85E+06	145.5689327
51.02605592	0.000	1.61E+07	108.0052053
51.88192563	0.000	3.57E+06	59.21877433
51.04903787	0.000	3.57E+06	83.0277457
50.87769497	0.000	3.57E+06	52.91725345
51.80090041	0.000	9.85E+06	41.07992612
51.89512065	0.000	1.61E+07	33.19650008
51.69552955	0.000	5.38E+07	49.42330066
50.47684309	0.000	7.50E+08	109.2047079
50.64729419	0.000	3.57E+06	88.64371032
50.46146817	0.000	4.45E+09	67.68877768
51.52792875	0.000	6.27E+09	32.84004017

51.69427672	0.000	1.64E+09	79.72662218
49.77027306	0.000	9.85E+06	149.5963483
50.57720581	0.000	9.85E+06	109.3663408
51.1381613	0.000	3.57E+06	59.40981113
52.08572707	0.000	3.57E+06	59.54598666
52.96530483	0.000	1.61E+07	60.19312773
51.75007764	0.000	9.85E+06	114.8028054
52.38326349	0.000	3.54E+09	92.82137686
51.70720839	0.000	6.29E+09	74.71853444
51.10194283	0.000	6.28E+09	74.86434358
52.45656614	0.000	6.29E+09	62.66585847
53.23486558	0.000	6.27E+09	70.18378216
54.71681051	0.000	6.12E+09	46.78678067
53.14710306	0.000	6.07E+09	65.15199771
53.18856024	0.000	6.03E+09	58.25630897
56.65225675	0.000	4.40E+09	27.32552271
57.48248908	0.000	3.34E+09	9.417933633
59.15624715	0.000	3.99E+08	2.855167766
57.63844924	0.000	9.85E+06	14.7348503
54.00461434	0.000	3.57E+06	29.34487317
55.58446116	0.000	9.85E+06	62.91015516
52.78831646	0.000	9.85E+06	107.4538432
53.92575406	0.000	3.57E+06	63.39245229
55.90555392	0.000	4.93E+08	55.1718417
54.52078989	0.000	3.57E+06	91.957413
54.73161386	0.000	3.57E+06	47.00848988
58.35266376	0.000	1.61E+07	73.58016242
52.90562272	0.000	1.61E+07	159.1793491
52.9401105	0.000	5.56E+08	96.84515807
55.83010004	0.000	7.89E+07	44.26675289
56.08276105	0.000	6.27E+09	56.1090329
54.56433635	0.000	1.64E+09	65.79952537
54.63959665	0.000	6.01E+07	70.42914071
57.15580756	0.000	3.57E+06	109.2255962
56.85901262	0.000	3.57E+06	95.29250563
56.40462836	0.000	3.57E+06	67.21275291
54.87513478	0.000	3.57E+06	138.9734046
53.92441266	0.000	9.85E+06	108.7711652
55.50675151	0.000	1.61E+07	135.2132761
52.55811533	0.000	1.61E+07	225.3392282
53.56901333	0.000	9.85E+06	140.6212842
57.27785072	0.000	1.61E+07	109.8469084
55.27521845	0.000	-2.70E+06	156.2911117
52.5301011	0.000	-2.70E+06	111.7722363
53.29727162	0.000	1.61E+07	88.4017182
53.27260954	0.000	3.57E+06	68.97393372
53.18945743	0.000	9.85E+06	90.55768085
53.94225975	0.000	9.85E+06	86.07817156
57.87312387	0.000	3.57E+06	87.28791317
60.35700168	0.000	3.57E+06	49.72736385
59.91187793	0.000	3.57E+06	5.384667769
58.24376861	0.000	1.61E+07	28.48021144

55.23559621	0.000	1.61E+07	76.58886907
56.69510958	0.000	3.57E+06	126.2273261
54.5091102	0.000	9.85E+06	130.4031333
55.53462241	0.000	3.57E+06	144.1070646
57.11203826	0.000	-2.70E+06	92.61789237
60.57521746	0.000	3.57E+06	125.0753796
58.70070614	0.000	1.61E+07	174.1073641
56.08722841	0.000	1.61E+07	152.7225682
54.18342679	0.000	9.85E+06	178.1351394
53.38606874	0.000	3.57E+06	250.5446604
53.05884833	0.000	1.17E+08	178.6746237
56.31877726	0.000	-8.98E+06	137.075608
57.42908326	0.000	3.03E+09	70.56689896
58.401762	0.000	6.07E+09	70.47064142
57.77232876	0.000	6.12E+09	60.49129648
57.1591764	0.000	6.10E+09	44.35600027
58.45606888	0.000	6.10E+09	25.50266196
57.25184305	0.000	4.40E+09	172.5098442
58.44517386	0.000	2.65E+09	144.1991947
61.52481083	0.000	1.61E+07	78.41747113
61.37854928	0.000	1.61E+07	50.88490623
60.66707858	0.000	2.58E+09	52.45689101
61.05584969	0.000	4.41E+09	72.76472038
60.82433498	0.000	4.35E+09	92.58689311
58.99472448	0.000	4.40E+09	63.34517362
58.72433994	0.000	1.86E+08	116.896535
59.37484925	0.000	1.61E+07	121.4864971
60.26688658	0.000	1.10E+08	131.7233293
59.3350389	0.000	3.57E+06	123.7719195
57.79115243	0.000	9.85E+06	219.1157263
58.46476794	0.000	9.85E+06	176.3565371
59.9714687	0.000	4.49E+08	205.1238271
58.69725044	0.000	5.75E+08	134.7922074
55.35869147	0.000	8.01E+08	257.1715186
56.53487272	0.000	3.11E+08	147.2700918
58.58864019	0.000	3.57E+06	216.0924296
60.03503579	0.000	2.21E+09	135.9529581
59.80812632	0.000	4.43E+09	209.0839958
58.15813915	0.000	4.49E+09	146.9484664
58.77760249	0.000	4.36E+09	172.0230406
59.88244035	0.000	4.31E+09	106.6114424
60.5666461	0.000	6.60E+09	88.86602766
60.05091761	0.000	1.26E+10	102.473922
60.81676096	0.000	4.37E+09	69.04974721
60.83985589	0.000	4.51E+09	120.7087382
58.52785671	0.000	4.40E+09	199.8680838
58.45201137	0.000	2.60E+09	135.3109049
57.67029199	0.000	-3.41E+07	174.3219312
58.40224734	0.000	-2.15E+07	313.8939441
58.80000933	0.000	-2.15E+07	239.7811437
60.27837852	0.000	8.52E+07	185.0896104
60.22419268	0.000	-2.78E+07	123.3237269

59.16442779	0.000	-5.29E+07	166.51794
57.74225125	0.000	-2.78E+07	191.2461009
56.59026383	0.000	2.61E+09	248.2732052
58.72216366	0.000	6.25E+09	151.0127559
59.72929511	0.000	5.53E+09	137.1542708
60.68190418	0.000	4.40E+09	169.3154949
60.9499056	0.000	4.40E+09	156.5474284
57.92586655	0.000	2.26E+09	198.1380366
58.66350583	0.000	5.53E+09	175.1200046
60.12980113	0.000	4.27E+09	160.5516411
61.62898215	0.000	1.04E+08	136.9557655
60.62610782	0.000	-4.04E+07	135.2057679
60.77402937	0.000	2.30E+08	97.54923845
60.89708245	0.000	1.54E+08	103.3131618
60.38806246	0.000	1.29E+08	132.7774411
59.90664487	0.000	-1.53E+07	150.7939667
58.526485	0.000	-1.53E+07	133.2337382
60.30660767	0.000	2.87E+07	175.8747175
61.55347121	0.000	2.24E+07	148.3403598
62.61935337	0.000	3.57E+06	129.0075508
60.58193405	0.000	9.85E+06	110.2216485
60.50920101	0.000	1.35E+08	213.3265683
58.73061114	0.000	2.24E+07	390.5404717
58.61760344	0.000	9.85E+06	251.9831323
59.94468964	0.000	3.57E+06	240.0692317
59.79340398	0.000	3.57E+06	188.1392594
61.3045185	0.000	-8.98E+06	188.2150017
61.73737952	0.000	9.85E+06	232.3257109
61.30708002	0.000	9.85E+06	288.8357075
60.32676347	0.000	2.99E+08	259.6354306
59.92214188	0.000	9.85E+06	190.2932444
60.98737166	0.000	9.85E+06	250.2026822
61.40493741	0.000	1.61E+07	190.4268512
61.94876684	0.000	5.48E+09	152.0973176
61.29371305	0.000	6.17E+09	266.8335552
59.93566199	0.000	4.60E+09	363.1474545
59.25605124	0.000	3.52E+09	295.6876284
59.62209878	0.000	4.62E+08	233.5465062
60.264273	0.000	1.61E+07	179.0121185
60.33285124	0.000	1.61E+07	181.4752718
59.13095501	0.000	9.85E+06	224.9037014
59.79657993	0.000	4.08E+09	164.8486865
61.13708635	0.000	6.28E+09	195.3477354
60.86096555	0.000	5.87E+09	145.424642
61.4077004	0.000	4.40E+09	194.7862246
61.02147208	0.000	1.33E+09	197.1034134
61.60574769	0.000	3.57E+06	215.0559807
62.4108854	0.000	1.61E+07	212.401469
62.24591113	0.000	4.75E+07	200.5736103
60.68929418	0.000	-2.70E+06	169.9438116
61.0483425	0.000	3.57E+06	151.6227753
60.51961349	0.000	9.85E+06	163.8687158

60.99980248	0.000	9.85E+06	142.9516055
61.83110247	0.000	9.85E+06	163.4845949
62.52350536	0.000	3.57E+06	155.918254
61.86672427	0.000	-8.98E+06	205.6408596
61.27545626	0.000	-2.70E+06	326.9789227
60.80833195	0.000	-8.98E+06	245.4931512
61.53468376	0.000	3.57E+06	212.7901328
62.50886697	0.000	9.85E+06	198.5372698
62.18898366	0.000	3.57E+06	148.503001
62.36955554	0.000	2.24E+07	189.7876679
60.87908274	0.000	7.13E+08	317.3624209
60.67681719	0.000	2.04E+08	281.5219971
60.24379843	0.000	5.24E+08	275.7898064
61.69746164	0.000	3.11E+08	237.1323389
59.85354916	0.000	2.87E+07	199.5202409
60.49025061	0.000	1.61E+07	179.2247328
60.15599706	0.000	9.85E+06	160.6099667
61.36971538	0.000	4.55E+08	154.8784067
61.44705147	0.000	4.87E+08	135.3308871
60.26346743	0.000	8.57E+08	253.1583453
59.90577826	0.000	5.68E+08	316.632979
59.77458033	0.000	1.61E+07	260.48773
59.78418205	0.000	1.61E+07	237.5814706
59.91371815	0.000	1.73E+08	240.6040704
60.76847067	0.000	1.10E+08	214.5427348
61.78029542	0.000	3.50E+07	250.7461109
60.83960593	0.000	-8.98E+06	151.0938188
60.87060777	0.000	9.85E+06	158.5809362
61.12086062	0.000	3.57E+06	172.1161164
61.59370007	0.000	3.57E+06	139.0660639
61.73418874	0.000	3.57E+06	186.7072566
62.20450012	0.000	9.14E+07	157.7107491
62.85267101	0.000	1.79E+08	183.8399523
63.00388261	0.000	1.10E+08	317.4074048
61.65759268	0.000	1.61E+07	226.2142648
60.40949522	0.000	3.50E+07	222.27076
60.19393058	0.000	3.57E+06	279.191618
60.40964392	0.000	1.67E+08	195.8110913
60.97392398	0.000	9.85E+06	144.5154587
60.58135187	0.000	3.57E+06	210.4403978
59.87787388	0.000	3.57E+06	283.8740843
59.54181355	0.000	1.61E+07	232.0529898
60.1374438	0.000	3.57E+06	305.0570572
60.67434983	0.000	3.57E+06	217.9972726
61.20852295	0.000	9.85E+06	209.6261279
61.36730619	0.000	2.36E+08	191.255311
60.92660475	0.000	6.94E+08	181.5003566
61.15106646	0.000	9.01E+08	165.8777944
61.62297599	0.000	9.85E+06	218.0487057
61.28445583	0.000	3.57E+06	225.9657902
60.01272285	0.000	2.87E+07	214.6414074
60.73091561	0.000	3.57E+06	231.939004

61.35727212	0.000	3.50E+07	129.3260254
62.08574893	0.000	1.54E+08	170.0929711
62.31654556	0.000	3.50E+07	176.7572244
62.45676755	0.000	2.87E+07	212.7271633
62.32855766	0.000	3.30E+08	145.5370594
62.60331667	0.000	9.85E+06	136.8312231
62.36526806	0.000	9.85E+06	197.5303744
62.51266686	0.000	2.24E+07	189.3917843
60.66173519	0.000	3.57E+06	363.8554334
58.88800059	0.000	3.57E+06	367.9803306
57.4568151	0.000	-8.98E+06	517.6712838
56.94749624	0.000	3.57E+06	354.9894935
57.44540218	0.000	3.57E+06	287.2764162
57.72985729	0.000	3.57E+06	233.5850541
58.12971013	0.000	9.85E+06	227.5852803
58.39070381	0.000	3.57E+06	201.559641
58.93321816	0.000	-2.70E+06	195.062099
59.29066553	0.000	3.57E+06	151.4571538
60.00399146	0.000	3.57E+06	167.5190425
58.74006811	0.000	3.57E+06	193.1393266
59.05604506	0.000	3.57E+06	155.0634606
60.30677879	0.000	3.57E+06	157.6574342
58.76073828	0.000	3.57E+06	256.2781197
58.50416815	0.000	3.57E+06	187.4678223
59.5167541	0.000	1.61E+07	300.261644
57.68618655	0.000	3.57E+06	216.5964403
57.56409153	0.000	3.57E+06	161.3628207
58.04815183	0.000	3.62E+09	149.2587874
58.97399756	0.000	6.28E+09	160.565057
57.70311714	0.000	6.28E+09	170.8026941
57.0587936	0.000	6.15E+09	153.0073703
58.19803499	0.000	4.97E+09	102.8148919
58.67668411	0.000	4.40E+09	221.0200848
56.30356077	0.000	1.45E+09	217.1446249
55.96529421	0.000	3.57E+06	191.9554784
56.84790859	0.000	5.24E+08	160.085769
57.79635306	0.000	6.00E+09	109.0736184
58.90266508	0.000	6.28E+09	142.4927133
59.89205302	0.000	6.39E+09	119.9415003
57.63541633	0.000	7.27E+09	192.6624496
58.74724179	0.000	7.21E+09	146.9044664
59.53488504	0.000	6.29E+09	91.51267231
60.43567468	0.000	6.28E+09	97.43161701
59.06443457	0.000	6.28E+09	141.6938228
57.65624832	0.000	6.28E+09	214.1575587
57.63898115	0.000	6.28E+09	144.2506692
58.94375877	0.000	6.28E+09	145.7926708
57.50705857	0.000	6.28E+09	161.420642
56.34275684	0.000	6.28E+09	208.0787015
57.59399376	0.000	6.28E+09	147.282201
58.26792803	0.000	5.69E+09	120.9158239
58.10879655	0.000	4.40E+09	81.97854169

58.09420118	0.000	4.40E+09	152.6753777
56.35217954	0.000	2.77E+09	191.061287
56.56876782	0.000	3.57E+06	165.1886598
56.48729391	0.000	9.85E+06	234.3309231
54.59173285	0.000	9.85E+06	256.3960242
56.22336191	0.000	3.57E+06	193.7526825
57.14015402	0.000	-2.70E+06	182.9444841
57.64261532	0.000	3.57E+06	142.8446356
56.9099001	0.000	3.57E+06	165.6885466
57.47894094	0.000	9.85E+06	120.0459567
57.87322698	0.000	3.57E+06	146.1730151
55.4518831	0.000	2.87E+07	189.5884084
56.52248822	0.000	1.61E+07	149.2820787
56.27706166	0.000	7.00E+08	132.1139986
55.44214575	0.000	9.20E+08	191.3170072
55.71708023	0.000	9.85E+06	186.8391182
57.1984565	0.000	3.57E+06	126.948298
57.78122865	0.000	3.57E+06	75.77079522
57.09659446	0.000	9.85E+06	37.26808417
58.55647269	0.000	9.85E+06	32.47821684
59.05359942	0.000	2.73E+08	41.38150499
57.25324609	0.000	2.20E+09	152.0419645
54.98773668	0.000	3.57E+06	127.1228011
56.22509056	0.000	1.45E+09	79.99205703
55.95784403	0.000	6.28E+09	76.96840431
57.47037282	0.000	6.28E+09	44.08455541
58.40391851	0.000	6.28E+09	30.78396336
54.36778254	0.000	6.28E+09	158.3129513
53.1001791	0.000	6.28E+09	189.1569463
53.10305449	0.000	6.13E+09	154.984159
54.23411474	0.000	2.25E+09	106.3719519
54.92939626	0.000	6.01E+07	147.4473231
56.34040391	0.000	1.23E+08	98.57982873
58.67579287	0.000	3.76E+09	33.16207224
56.17166573	0.000	6.28E+09	66.45786073
54.35082789	0.000	6.24E+09	129.9157566
53.90111451	0.000	1.35E+09	143.4423124
54.38753833	0.000	3.57E+06	103.5382261
54.65675253	0.000	3.57E+06	272.5855238
51.1931253	0.000	3.57E+06	235.5930206
51.50041954	0.000	2.24E+07	134.9745921
53.01224257	0.000	4.99E+08	114.8130039
52.43384623	0.000	2.18E+09	177.8085571
52.96139083	0.000	6.28E+09	142.4748572
53.62726071	0.000	5.07E+09	115.6061548
54.72232256	0.000	6.63E+08	64.9209071
53.88641254	0.000	3.57E+06	69.95840169
56.57526438	0.000	3.57E+06	63.82286751
58.01922044	0.000	1.61E+07	38.64737242
53.34660971	0.000	1.04E+08	90.99950904
52.11604797	0.000	3.57E+06	196.2487437
51.16065838	0.000	3.57E+06	173.5304168

52.86250704	0.000	3.57E+06	143.7598042
53.5219123	0.000	3.88E+09	154.9929774
52.00561737	0.000	6.28E+09	182.7827797
49.13398527	0.000	6.29E+09	123.3166293
49.19551906	0.000	6.28E+09	101.8395284
49.51581354	0.000	6.27E+09	154.7408365
49.5004732	0.000	6.03E+09	152.7872281
54.16422372	0.000	5.90E+09	108.8059028
54.81790429	0.000	4.40E+09	68.43454708
50.86112905	0.000	4.40E+09	149.8206591
48.49559562	0.000	4.00E+09	182.6403309
51.9590453	0.000	4.74E+08	153.4273294
52.72495855	0.000	3.57E+06	104.1981523
52.41842695	0.000	3.57E+06	89.98219501
51.49937179	0.000	5.49E+09	97.73810121
52.84904242	0.000	4.84E+09	111.7560226
52.39954176	0.000	6.12E+08	73.57076128
52.40668668	0.000	-5.11E+08	70.70076157
55.00729109	0.000	2.86E+08	62.03986269
52.51230466	0.000	9.85E+06	58.9665135
52.75241867	0.000	9.85E+06	106.6261569
53.39505123	0.000	3.57E+06	138.0947339
50.36004959	0.000	9.85E+06	116.7013253
49.03824455	0.000	9.85E+06	113.677809
50.86261437	0.000	1.29E+08	110.5031822
53.93148318	0.000	6.00E+09	95.93508183
51.68805885	0.000	6.28E+09	89.57145396
53.93522894	0.000	6.28E+09	94.6346757
52.42043127	0.000	6.28E+09	104.3295966
49.63628091	0.000	6.28E+09	87.99490883
49.52130388	0.000	6.29E+09	107.6839407
51.7168312	0.000	6.36E+09	73.59348563
54.69305362	0.000	6.28E+09	23.99157708
56.30786909	0.000	6.28E+09	3.931786334
56.02339655	0.000	6.28E+09	1.416030534
53.09337726	0.000	6.28E+09	103.7003813
53.17940995	0.000	6.28E+09	65.56930888
55.48765861	0.000	6.30E+09	53.08250516
52.62114453	0.000	6.28E+09	104.9825475
51.21671059	0.000	6.28E+09	104.8923183
51.21960345	0.000	6.28E+09	60.53816903
51.67849604	0.000	6.28E+09	52.27033612
50.02787623	0.000	6.28E+09	112.5140074
48.01550991	0.000	6.28E+09	162.9400991
49.47435877	0.000	6.28E+09	86.15277627
50.04174767	0.000	6.28E+09	103.56909
50.85079427	0.000	6.28E+09	60.04333412
52.83669059	0.000	6.28E+09	52.65843609
55.89216607	0.000	6.28E+09	13.53521346
53.44374569	0.000	6.28E+09	33.58488528
53.01944005	0.000	6.54E+09	25.29852592
55.79288504	0.000	6.28E+09	4.208640432

53.70662214	0.000	6.28E+09	29.73429428
51.01537147	0.000	6.28E+09	65.27227371
52.17758315	0.000	6.28E+09	32.43501752
52.22562209	0.000	6.28E+09	26.89249496
51.92091888	0.000	6.28E+09	45.73422751
50.73034205	0.000	6.28E+09	91.16770259
50.20642175	0.000	6.28E+09	95.46551473
49.11238857	0.000	6.28E+09	112.6317134
49.83234615	0.000	6.28E+09	101.5254215
50.98448959	0.000	6.28E+09	82.70464633
52.02714378	0.000	6.28E+09	70.90043604
56.22748981	0.000	6.28E+09	15.15225418
55.36892321	0.000	6.28E+09	3.860801342
54.80609235	0.000	6.28E+09	7.009681691
53.82928134	0.000	6.28E+09	22.44781118
55.05578142	0.000	6.28E+09	15.60703041
52.45724198	0.000	6.28E+09	76.87273979
52.72242619	0.000	6.28E+09	71.78953307
51.85879296	0.000	6.28E+09	71.633348
51.48565261	0.000	6.28E+09	159.2818873
51.32197735	0.000	6.30E+09	89.57544147
51.39891107	0.000	6.28E+09	72.23024334
51.06835209	0.000	6.29E+09	75.05085901
51.0900911	0.000	6.17E+09	122.0478191
51.79910469	0.000	4.40E+09	98.50016814
52.48025178	0.000	4.53E+09	64.0172782
53.31076285	0.000	4.27E+09	42.10202583
52.95145343	0.000	4.97E+09	73.74629055
53.7339839	0.000	6.17E+09	105.3668397
51.94671775	0.000	6.27E+09	152.7421669
50.00928452	0.000	6.27E+09	131.263899
55.49960817	0.000	5.98E+09	106.0041742
58.32110562	0.000	5.98E+09	9.9265101
58.68706259	0.000	5.98E+09	46.40791511
54.36601657	0.000	5.98E+09	61.64187495
54.23125936	0.000	5.98E+09	28.0213393
57.22810696	0.000	5.98E+09	5.492331078
57.70186255	0.000	5.98E+09	25.83948202
56.59344057	0.000	5.98E+09	34.98049607
55.37271368	0.000	5.98E+09	83.15358116
55.65591414	0.000	5.98E+09	68.46933472
58.71131654	0.000	5.98E+09	14.50733933
55.43229338	0.000	5.98E+09	75.14216837
51.35455233	0.000	5.98E+09	220.8455444
52.14245007	0.000	5.98E+09	154.7965989
54.20819147	0.000	5.98E+09	107.7416605
56.58939017	0.000	5.98E+09	106.0536346
56.39380767	0.000	4.65E+09	77.64622269
57.90411769	0.000	4.06E+09	58.92010621
58.15160139	0.000	4.44E+09	79.91666343
56.05311228	0.000	2.60E+09	106.3349689
57.83612324	0.000	-6.47E+07	92.7157514

59.46001878	0.000	-5.91E+08	81.32097944
59.94690467	0.000	-5.91E+08	53.92299475
58.91463367	0.000	-5.51E+08	57.11619966
59.47466702	0.000	-4.92E+08	75.56417163
57.74291586	0.000	-4.53E+08	130.3587919
57.71662742	0.000	-4.20E+08	49.18765545
56.61281381	0.000	-3.67E+08	84.02446154
56.2424844	0.000	-3.28E+08	72.44447609
58.45412573	0.000	-2.75E+08	61.22307436
58.52442507	0.000	-2.49E+08	102.7168048
55.91301661	0.000	-2.03E+08	226.5164247
55.10441345	0.000	-1.50E+08	252.8805561
56.04043192	0.000	-1.17E+08	197.4916573
56.89269375	0.000	-7.79E+07	153.2563123
56.87570433	0.000	-5.16E+07	143.3000133
56.28684708	0.000	-1.21E+07	129.7228709
56.77852947	0.000	3.39E+07	94.42079876
55.30375787	0.000	7.99E+07	135.7094359
53.95184905	0.000	1.26E+08	154.3880845
56.10619165	0.000	1.72E+08	160.8488513
56.91113408	0.000	2.18E+08	107.0170381
59.12810806	0.000	2.70E+08	129.1918599
58.06336864	0.000	3.23E+08	83.52523843
55.07738414	0.000	3.36E+08	157.4641732
54.57382327	0.000	3.82E+08	258.1036275
57.71057687	0.000	4.02E+08	238.1115091
58.53586211	0.000	4.55E+08	142.2325581
58.96605028	0.000	4.81E+08	71.38258839
59.48340771	0.000	5.86E+08	62.71029302
59.13165374	0.000	3.12E+09	88.04765764
58.8063163	0.000	6.00E+09	64.74773776
59.00902773	0.000	6.12E+09	120.0003731
61.06821123	0.000	8.04E+09	150.0880626
59.38936561	0.000	1.26E+10	279.0043099
56.55995271	0.000	1.25E+10	297.2272809
56.17150516	0.000	6.53E+09	217.4728826
59.7100698	0.000	5.98E+09	219.3168808
60.96094004	0.000	5.98E+09	108.3770983
61.4020803	0.000	5.98E+09	69.13514043
59.37874409	0.000	5.98E+09	152.9931767
56.30076559	0.000	5.98E+09	222.7249594
56.18197028	0.000	5.98E+09	205.8790598
57.93648212	0.000	5.98E+09	195.9101743
57.55440442	0.000	5.98E+09	197.7078866
55.91790077	0.000	5.98E+09	170.4681635
55.72671089	0.000	5.98E+09	137.0148713
57.67474068	0.000	5.98E+09	70.19292833
59.81240334	0.000	5.98E+09	66.53889736
60.40481349	0.000	5.98E+09	51.18427459
60.94690635	0.000	5.99E+09	93.16019189
60.25240681	0.000	5.98E+09	136.036687
58.89803394	0.000	5.99E+09	130.1864421

58.73673011	0.000	5.98E+09	111.6038217
58.45776931	0.000	5.98E+09	199.648833
58.55644478	0.000	5.98E+09	190.4110654
58.73172391	0.000	5.98E+09	160.3014563
58.99275096	0.000	5.98E+09	119.5318816
58.93411316	0.000	5.98E+09	144.3483295
58.1576125	0.000	5.98E+09	123.9368402
60.03444568	0.000	5.98E+09	98.10084908
60.88844457	0.000	5.98E+09	80.97125492
60.96050342	0.000	5.98E+09	104.816752
60.8468747	0.000	5.98E+09	110.8725234
61.59371143	0.000	1.07E+10	117.7581174
60.37942233	0.000	1.23E+10	212.5349416
58.14854839	0.000	9.09E+09	322.0688561
59.26773746	0.000	5.98E+09	190.6115057
60.53187817	0.000	5.98E+09	174.1521611
60.82440397	0.000	5.98E+09	112.6961358
60.90734282	0.000	5.98E+09	92.52393224
61.64095206	0.000	5.72E+09	117.5971844
61.1559502	0.000	4.98E+09	279.5977436
60.11726476	0.000	4.17E+09	201.6650337
61.33120917	0.000	4.72E+09	183.6695291
62.19873276	0.000	4.01E+09	133.5812959
61.56313568	0.000	2.72E+09	151.2149939
61.01971952	0.000	2.66E+09	216.4512656
60.58235738	0.000	2.70E+09	180.1577868
61.49352901	0.000	1.95E+09	229.5130778
60.87019295	0.000	5.64E+09	351.1557192
59.32530837	0.000	5.98E+09	378.706931
60.48898605	0.000	5.98E+09	312.8245905
60.32615487	0.000	6.29E+09	252.1814279
59.72664837	0.000	6.01E+09	271.7496634
60.64180766	0.000	5.84E+09	245.1175192
61.26794946	0.000	4.07E+09	229.9801742
61.40661855	0.000	1.13E+09	210.0776567
59.97035441	0.000	-3.87E+08	328.8662407
60.00350234	0.000	-5.91E+08	262.7706676
62.089047	0.000	-5.91E+08	229.1369975
62.45249615	0.000	-5.91E+08	179.6063203
61.83897807	0.000	-5.91E+08	161.4215791
61.08456312	0.000	-5.91E+08	186.2368402
58.88257917	0.000	-5.91E+08	202.434581
60.6413322	0.000	-5.45E+08	190.0719435
60.49794816	0.000	-5.56E+06	336.4272075
60.50742559	0.000	-5.91E+08	264.373703
61.77103389	0.000	-5.91E+08	250.6406162
62.51205576	0.000	-5.91E+08	175.0305881
62.9945062	0.000	-5.91E+08	135.7445553
63.35583962	0.000	-5.91E+08	146.5520138
62.39879561	0.000	-5.84E+08	208.6048494
61.73794981	0.000	-5.91E+08	225.9144107
61.71708983	0.000	-5.84E+08	173.9365758

62.55786992	0.000	-5.91E+08	215.7642949
63.33219106	0.000	-5.91E+08	261.1281222
63.58267704	0.000	-5.84E+08	313.6614721
61.23137259	0.000	-5.84E+08	250.932803
61.96809402	0.000	-5.91E+08	223.4103933
62.134153	0.000	-5.91E+08	166.9342227
63.1401962	0.000	-5.84E+08	201.7806631
62.23855865	0.000	-5.77E+08	221.133132
61.91703415	0.000	-5.77E+08	176.4134555
61.50085634	0.000	-5.91E+08	197.7602898
61.01328236	0.000	-5.84E+08	219.2672959
60.64233903	0.000	-5.91E+08	191.6583187
61.19248431	0.000	-5.91E+08	240.5383785
61.3718344	0.000	-5.91E+08	186.8256335
60.69803958	0.000	3.24E+09	204.5796514
61.65643972	0.000	5.63E+09	186.9042346
61.93902265	0.000	2.26E+09	213.6941329
62.35829908	0.000	-5.64E+08	232.3688964
61.11900694	0.000	-5.91E+08	292.2983352
61.18731725	0.000	-5.91E+08	285.6758933
61.62453445	0.000	-5.91E+08	247.1206048
61.29160149	0.000	-5.91E+08	243.9182669
60.13509304	0.000	-5.84E+08	225.1597034
60.62826851	0.000	2.97E+09	231.4479562
60.74378663	0.000	5.53E+09	226.5890221
60.64631105	0.000	4.67E+09	251.6623832
60.89924582	0.000	7.55E+09	255.2631146
61.37901394	0.000	4.25E+09	284.2964422
61.65286454	0.000	2.79E+09	194.533698
62.10888504	0.000	-5.91E+08	245.2024951
60.84416397	0.000	-5.77E+08	273.8072158
58.84338658	0.000	-5.84E+08	255.6835217
59.67405317	0.000	-5.91E+08	229.8782314
60.074137	0.000	-5.91E+08	181.2364547
60.80036846	0.000	-5.84E+08	164.810544
61.26014446	0.000	-5.77E+08	150.8889741
60.4398509	0.000	-5.77E+08	221.5790205
60.68803453	0.000	-5.91E+08	212.2725294
59.72799963	0.000	-5.91E+08	164.6246998
59.34167012	0.000	-5.91E+08	233.8571245
60.56409264	0.000	-5.91E+08	209.4458492
60.0164318	0.000	-5.84E+08	228.6755043
60.35333867	0.000	-5.91E+08	244.4844896
60.06522838	0.000	-5.84E+08	307.3835199
59.17085721	0.000	-5.84E+08	271.1015564
60.32345438	0.000	-5.91E+08	259.8642347
60.87492048	0.000	-5.91E+08	203.8837604
57.44851766	0.000	-5.91E+08	340.1676214
56.93974489	0.000	-5.91E+08	354.8322962
57.29924614	0.000	-5.91E+08	264.4484616
57.91080996	0.000	-5.91E+08	229.0595422
58.51503027	0.000	-5.91E+08	200.5204085

58.65980859	0.000	-5.91E+08	151.889623
59.01129716	0.000	-5.91E+08	130.4383226
59.31003398	0.000	5.58E+09	133.9934404
59.16253174	0.000	4.11E+09	128.5024763
59.6331318	0.000	-1.50E+08	146.8988979
59.25989256	0.000	-5.84E+08	197.8903497
57.19039346	0.000	-5.84E+08	233.3415096
57.57708334	0.000	-5.91E+08	213.3425271
58.39940967	0.000	-5.91E+08	172.3499799
60.52943984	0.000	-4.33E+08	154.6625396
60.76460091	0.000	-5.91E+08	174.5053089
58.54863692	0.000	-5.91E+08	244.2309192
58.52670619	0.000	-5.91E+08	187.7823388
59.30917821	0.000	-5.84E+08	201.2750325
58.56333644	0.000	-5.77E+08	265.8151383
56.27328036	0.000	-5.77E+08	274.4428812
57.67656933	0.000	-5.84E+08	217.5532375
59.89722217	0.000	-5.91E+08	125.7834055
59.70318464	0.000	-5.84E+08	78.98672516
60.09990536	0.000	-5.91E+08	93.99805999
59.21191503	0.000	-5.91E+08	126.759863
60.17635297	0.000	-5.64E+08	139.9561198
60.92351822	0.000	3.89E+09	106.2093417
61.89878316	0.000	2.79E+09	85.77675845
61.78641052	0.000	-5.84E+08	74.84870472
60.73272419	0.000	-5.91E+08	122.4062186
59.21502915	0.000	-5.91E+08	136.6970345
60.03015937	0.000	-5.77E+08	149.2922531
61.2374148	0.000	-5.91E+08	145.8924999
61.63471803	0.000	-5.91E+08	122.1173271
61.19179974	0.000	-5.71E+08	128.8950234
60.81362585	0.000	-5.91E+08	149.3322798
62.40836215	0.000	-5.84E+08	185.857903
61.00048013	0.000	-5.91E+08	201.4855082
57.84427946	0.000	-5.91E+08	363.9002561
56.42558782	0.000	-5.64E+08	301.693584
58.20573663	0.000	-5.91E+08	182.135391
58.65358992	0.000	-5.91E+08	110.6942044
56.06901505	0.000	-5.91E+08	386.4177737
55.96761127	0.000	5.05E+09	308.7557134
57.47212059	0.000	5.98E+09	180.6271295
57.9800839	0.000	5.98E+09	106.0846739
59.21218127	0.000	6.00E+09	157.4992692
55.67167051	0.000	5.98E+09	241.485103
55.00065014	0.000	5.98E+09	219.6731439
55.06063785	0.000	6.00E+09	167.3187429
54.58120101	0.000	5.98E+09	264.0983087
54.42133488	0.000	8.06E+09	229.294205
54.79894971	0.000	1.25E+10	193.3243491
55.57297243	0.000	1.23E+10	150.8902127
57.15819778	0.000	1.15E+10	123.0270874
58.05684551	0.000	7.07E+09	107.2949776

57.81627012	0.000	5.46E+09	122.0627249
56.06660614	0.000	5.09E+09	140.5888141
57.58413282	0.000	4.00E+09	66.04062066
57.57230358	0.000	3.84E+09	86.55340625
56.99471464	0.000	5.65E+09	127.4123893
56.18528079	0.000	5.98E+09	164.9984445
57.01735262	0.000	5.87E+09	138.2752646
55.41642747	0.000	4.99E+09	197.0014272
56.94164864	0.000	9.01E+08	113.7141208
57.16110019	0.000	3.25E+09	83.66093961
55.71532211	0.000	5.98E+09	186.7392622
56.38274632	0.000	5.98E+09	139.4516601
54.95364016	0.000	5.98E+09	148.9672791
54.66294275	0.000	5.98E+09	116.7566251
55.05404102	0.000	6.25E+09	117.2368428
57.12811621	0.000	6.25E+09	65.10574691
59.54453014	0.000	6.25E+09	74.81931594
55.93578375	0.000	6.33E+09	221.9225594
54.1521	0.000	6.16E+09	155.7280634
53.95114135	0.000	5.98E+09	149.8700525
52.83585891	0.000	5.98E+09	259.6760722
50.71698691	0.000	5.98E+09	203.9566159
53.01041533	0.000	5.98E+09	119.1858451
54.41221897	0.000	5.98E+09	89.18595738
54.03098827	0.000	5.98E+09	85.13353177
55.22864265	0.000	5.98E+09	92.14000952
53.93868823	0.000	5.98E+09	225.0625108
51.85017032	0.000	5.98E+09	142.3357069
53.95052893	0.000	5.98E+09	175.7063671
52.59317945	0.000	5.98E+09	108.8653766
53.23286624	0.000	5.98E+09	87.38115776
55.88352067	0.000	5.98E+09	56.3169605
54.58667675	0.000	5.98E+09	104.6332567
55.56219299	0.000	6.00E+09	46.84872351
55.59098828	0.000	6.41E+09	86.10718495
54.43463462	0.000	5.98E+09	76.84521928
55.23401492	0.000	5.98E+09	76.63172449
53.96097098	0.000	5.86E+09	134.2054188
53.25404871	0.000	4.96E+09	204.6964596
55.70705522	0.000	4.09E+09	39.84364669
55.74579543	0.000	4.08E+09	110.0972578
53.63147119	0.000	2.16E+09	163.8252147
52.02685383	0.000	1.50E+09	132.1667477
51.52601768	0.000	1.13E+08	103.4162947
52.51867273	0.000	-3.21E+08	110.9774804
54.45127298	0.000	-3.21E+08	83.09887615
55.28469502	0.000	-3.21E+08	38.09213638
56.95701401	0.000	-3.21E+08	30.04912183
52.40674585	0.000	-3.21E+08	117.9519921
52.56071034	0.000	-3.21E+08	85.22657318
51.04116532	0.000	-3.21E+08	181.3941663
50.72891072	0.000	-3.14E+08	124.9650517

52.77817625	0.000	-4.46E+08	85.66032593
53.03488968	0.000	-5.91E+08	64.18223368
53.89122111	0.000	-5.91E+08	72.25968875
53.86302051	0.000	-5.91E+08	71.80577121
53.58118696	0.000	-5.91E+08	132.766848
52.02048441	0.000	-5.91E+08	96.18288841
51.54053486	0.000	-5.91E+08	137.5615518
50.99843089	0.000	-4.39E+08	86.04558022
51.99800572	0.000	5.83E+09	75.95448815
53.83176211	0.000	5.93E+09	44.01059927
54.22047768	0.000	4.02E+09	42.74884385
53.69131955	0.000	4.00E+09	88.25568984
52.31841252	0.000	4.00E+09	92.58917091
51.51241217	0.000	3.18E+09	105.9956402
51.20858583	0.000	-5.84E+08	71.47159419
51.46982138	0.000	-4.99E+08	75.44426625
51.8810082	0.000	6.58E+08	74.30148907
51.6998926	0.000	1.72E+08	102.5204795
52.60586356	0.000	-5.91E+08	114.4201044
52.45594403	0.000	-5.91E+08	121.3116051
51.78449126	0.000	-5.91E+08	96.71216374
51.54407367	0.000	-5.91E+08	131.2039612
51.71997917	0.000	4.12E+09	79.26919779
54.88215897	0.000	5.44E+09	82.1713093
52.19890223	0.000	9.67E+08	72.75046387
51.6075819	0.000	-5.91E+08	64.4866001
52.27849024	0.000	-5.91E+08	44.75422843
52.88382702	0.000	-5.91E+08	108.533612
53.20620253	0.000	-5.91E+08	114.7055394
52.22764118	0.000	-5.91E+08	70.39842607
54.97203023	0.000	-5.91E+08	66.3243605
56.38494199	0.000	-5.91E+08	27.09183073
53.84938356	0.000	-5.91E+08	55.95794391
52.04041144	0.000	-5.91E+08	99.28558255
51.36890037	0.000	-5.84E+08	69.48669653
52.15837539	0.000	-5.84E+08	52.86954268
52.31770224	0.000	-5.77E+08	62.31061517
52.18518	0.000	-5.91E+08	64.27107825
50.83362707	0.000	-5.91E+08	102.4252045
50.04753267	0.000	-5.91E+08	161.5836615
49.31631864	0.000	-5.91E+08	129.5065607
48.6039495	0.000	-5.91E+08	135.5326422
48.76877478	0.000	-5.91E+08	186.1052523
47.65146504	0.000	-5.71E+08	105.6742901
47.50463434	0.000	-5.91E+08	60.09646322
49.59543701	0.000	-5.05E+08	76.80604805
53.02634263	0.000	-5.91E+08	52.19312002
52.6561036	0.000	9.21E+08	115.2046942
51.79091687	0.000	1.45E+09	60.82813359
52.73223708	0.000	-4.00E+08	47.84754027
53.43760644	0.000	-5.91E+08	38.62754064
52.94079552	0.000	-5.91E+08	47.59909764

51.95778918	0.000	-5.91E+08	74.41444643
52.26810783	0.000	-5.71E+08	52.66997483
53.63076236	0.000	-5.91E+08	50.42718482
53.47669031	0.000	-5.91E+08	90.66545293
51.36269585	0.000	-5.91E+08	186.3081194
52.29134601	0.000	-5.71E+08	108.598265
52.3549074	0.000	-5.38E+08	48.05460183
53.69497564	0.000	-5.91E+08	51.01745569
52.90933982	0.000	-5.91E+08	64.54877494
52.35221602	0.000	-5.91E+08	53.51611018
50.97262323	0.000	-5.91E+08	102.8207487
49.03005188	0.000	-5.84E+08	134.3485121
50.96800409	0.000	-5.91E+08	109.977551
51.65648312	0.000	-5.91E+08	68.30250758
51.10936313	0.000	-5.91E+08	72.06859094
51.52906834	0.000	-5.84E+08	52.51275841
52.47357095	0.000	-5.91E+08	45.66138435
51.6246644	0.000	-5.91E+08	55.77231723
52.81496919	0.000	-5.91E+08	86.55575123
52.44549299	0.000	-5.91E+08	53.73844142
52.74870222	0.000	-5.18E+08	76.25929652
52.33715072	0.000	-5.91E+08	76.20791968
52.45837589	0.000	-5.91E+08	66.8202238
53.61522003	0.000	-5.91E+08	30.20357393
57.40632806	0.000	-5.91E+08	4.872322415
55.68769287	0.000	-5.56E+06	83.45035284
55.2595946	0.000	4.69E+09	81.04231797
51.97165102	0.000	2.34E+09	111.0708466
51.78297918	0.000	-5.91E+08	95.51949545
53.11150549	0.000	-5.91E+08	59.70046851
55.94936168	0.000	5.98E+09	44.05143281
56.34294122	0.000	5.98E+09	24.36426556
55.55450218	0.000	-5.91E+08	11.08486951
50.81086276	0.000	-5.91E+08	185.8758456
51.20353005	0.000	-5.91E+08	131.1184768
52.52899688	0.000	-5.91E+08	91.76757851
52.63933471	0.000	-5.84E+08	122.7398664
53.13446697	0.000	-5.91E+08	104.2687647
53.60454839	0.000	-5.71E+08	81.05320357
51.94948316	0.000	-5.91E+08	81.59115756
53.08583469	0.000	-5.71E+08	115.0063466
54.67783332	0.000	-5.18E+08	85.07433563
53.28843427	0.000	-5.91E+08	71.02097323
53.97246501	0.000	-5.91E+08	84.24518494
54.00915138	0.000	-5.91E+08	104.324738
54.94113769	0.000	-5.91E+08	108.511139
54.77197772	0.000	-5.91E+08	69.0198201
55.69771151	0.000	-5.91E+08	52.01378559
56.6283781	0.000	-5.91E+08	70.46008394
57.78187137	0.000	-5.91E+08	55.70238841
57.01953134	0.000	-5.84E+08	30.33104227
56.7390621	0.000	-5.91E+08	24.76862371

56.54568053	0.000	-5.91E+08	50.57518966
56.44243992	0.000	-5.91E+08	21.71058708
56.18576016	0.000	-5.91E+08	129.4138994
53.22457713	0.000	-5.84E+08	166.8637988
56.03224704	0.000	-5.84E+08	181.4238398
53.96952781	0.000	-5.91E+08	135.2439627
54.19090592	0.000	-5.91E+08	154.1777764
52.17598279	0.000	-5.91E+08	102.3055586
52.5858446	0.000	-5.91E+08	89.48560051
56.05662118	0.000	-5.84E+08	96.16319205
56.89614242	0.000	-5.91E+08	82.09460224
55.52153698	0.000	-5.91E+08	115.2788393
56.85068793	0.000	-5.91E+08	81.97243695
56.71932455	0.000	-5.91E+08	80.89203049
56.54346745	0.000	-5.91E+08	67.9878365
57.11266703	0.000	-5.91E+08	115.0326215
55.80568487	0.000	-5.71E+08	113.9906391
54.92199882	0.000	-4.92E+08	116.5869016
55.72752067	0.000	-5.91E+08	95.31850761
57.04967718	0.000	-5.91E+08	52.61601627
56.59669112	0.000	-5.91E+08	61.98854452
57.60365856	0.000	-5.91E+08	53.20858088
57.46506311	0.000	-5.91E+08	50.12183966
57.69470223	0.000	-5.91E+08	48.52443148
58.47307136	0.000	-5.91E+08	46.94979925
56.13378282	0.000	-5.91E+08	76.61298371
56.43538608	0.000	-5.91E+08	60.70643183
54.31830321	0.000	-5.91E+08	193.4391391
55.32636713	0.000	-5.91E+08	234.0216567
55.75644619	0.000	-5.91E+08	179.2336126
55.88165953	0.000	-5.91E+08	154.2578062
57.54859676	0.000	-5.91E+08	189.059549
59.20862877	0.000	-5.91E+08	144.7000689
57.43602431	0.000	-5.91E+08	112.1854385
58.22107312	0.000	-5.91E+08	67.02582356
58.73514569	0.000	-5.91E+08	38.94990754
54.98668741	0.000	-5.91E+08	194.8165467
55.66580938	0.000	-3.93E+08	171.7291453
57.64363857	0.000	1.29E+09	139.6579322
58.46885459	0.000	1.26E+09	87.86769968
57.678313	0.000	-2.16E+08	178.9309881
57.95497327	0.000	-5.91E+08	159.1699215
59.45440864	0.000	-5.91E+08	123.5409978
60.50495477	0.000	-5.91E+08	111.6367101
59.91343899	0.000	-4.13E+08	98.51544281
57.49144417	0.000	7.17E+08	163.5882923
56.97453726	0.000	-1.57E+08	120.6185372
58.85755685	0.000	-5.84E+08	92.45753827
57.79776552	0.000	-5.91E+08	175.202988
59.47429955	0.000	-5.91E+08	106.6114342
61.16568368	0.000	-5.91E+08	64.17039403
58.11284587	0.000	-5.45E+08	121.6460409

56.22399954	0.000	-4.85E+08	215.2954429
57.67470915	0.000	-5.91E+08	151.9709647
59.09118407	0.000	-5.84E+08	66.02007133
60.52938335	0.000	-5.91E+08	69.23370869
60.44102471	0.000	-5.91E+08	58.07989373
58.05186235	0.000	-5.91E+08	122.4274361
57.76467184	0.000	-5.91E+08	166.6316675
58.86743035	0.000	-5.91E+08	134.0412667
59.66735477	0.000	-5.91E+08	85.49263178
61.02943661	0.000	-5.91E+08	47.41840611
61.5178152	0.000	-5.91E+08	64.46014528
61.04030763	0.000	-5.91E+08	126.0752396
60.56799886	0.000	-5.91E+08	102.2999289
60.58443436	0.000	-5.51E+08	120.7482558
60.39051001	0.000	-5.25E+08	128.8299036
58.97754559	0.000	-5.45E+08	139.3135456
59.32873015	0.000	-3.41E+08	248.0682417
59.61276292	0.000	-3.34E+08	259.279546
60.60355256	0.000	-3.41E+08	226.72291
61.73913583	0.000	-3.21E+08	248.2930461
61.09470479	0.000	-2.16E+08	228.4260933
58.36859882	0.000	-2.29E+08	340.2845469
59.02906409	0.000	1.38E+09	232.3117428
60.45793266	0.000	-8.44E+07	207.0710391
60.6245053	0.000	-9.10E+07	149.4332644
59.80447218	0.000	-6.47E+07	120.7113316
61.66144686	0.000	-1.21E+07	128.0354803
61.07169161	0.000	1.06E+08	112.0655109
60.92380718	0.000	8.65E+07	182.0413228
60.09540855	0.000	9.30E+07	209.4567832
60.78114283	0.000	2.31E+08	174.7454988
62.01462487	0.000	2.18E+08	149.2450927
61.5601983	0.000	2.38E+08	154.8403149
61.75584447	0.000	2.38E+08	193.9745825
61.42426567	0.000	3.03E+08	184.6925604
59.57093342	0.000	3.43E+08	244.8376358
60.55331467	0.000	2.60E+09	212.1401238
60.14320031	0.000	5.98E+09	172.127526
61.05419496	0.000	5.99E+09	236.2047096
60.04189169	0.000	5.99E+09	245.9495515
60.80941878	0.000	5.98E+09	306.079219
61.82770783	0.000	5.98E+09	237.2386716
62.02742602	0.000	5.98E+09	189.3982977
60.86391918	0.000	5.98E+09	208.3824219
60.99121136	0.000	5.99E+09	188.9410657
60.74053507	0.000	5.98E+09	184.717275
61.02993616	0.000	5.98E+09	170.1255094
60.78209829	0.000	5.98E+09	186.7481027
61.38710328	0.000	6.05E+09	138.7262044
62.68178892	0.000	6.16E+09	144.3859065
62.67748294	0.000	5.98E+09	133.0759064
62.53678729	0.000	5.99E+09	167.9012752

62.37367422	0.000	5.98E+09	184.3624898
61.26452258	0.000	5.99E+09	189.1139285
61.59487052	0.000	5.99E+09	173.5652259
61.25876824	0.000	5.99E+09	298.7360073
59.87696611	0.000	5.99E+09	389.519149
60.07300527	0.000	5.99E+09	265.241185
60.02833338	0.000	6.02E+09	272.2513336
60.94908948	0.000	5.99E+09	269.1108698
61.74081322	0.000	6.00E+09	226.8553737
62.63017815	0.000	6.00E+09	208.1678624
63.76050037	0.000	5.99E+09	213.3146183
63.14636535	0.000	6.00E+09	262.5164068
62.67755085	0.000	6.00E+09	200.0360266
62.60990372	0.000	6.00E+09	238.0962083
62.71259287	0.000	6.15E+09	232.5811275
62.74449793	0.000	6.17E+09	265.9953004
62.34802155	0.000	6.14E+09	229.2074305
62.05195836	0.000	6.15E+09	404.1801076
61.54075772	0.000	8.18E+09	295.1515143
62.18156259	0.000	1.26E+10	342.1561526
61.81103434	0.000	1.26E+10	260.9096898
60.99445438	0.000	1.26E+10	201.2463059
61.56089784	0.000	1.26E+10	208.4460088
62.79450341	0.000	1.26E+10	204.3497986
62.16141305	0.000	1.26E+10	190.6636666
61.74154293	0.000	1.26E+10	196.9194548
60.55167957	0.000	1.26E+10	299.8246478
61.16257476	0.000	1.26E+10	229.6129435
61.89740927	0.000	1.11E+10	230.6444679
62.73382507	0.000	1.08E+10	278.7267752
62.95543775	0.000	9.26E+09	288.3988582
60.74775862	0.000	6.02E+09	352.5954431
60.22513414	0.000	6.01E+09	306.190134
60.16647882	0.000	6.02E+09	326.2901751
60.21016667	0.000	6.02E+09	290.9178475
60.69473439	0.000	6.02E+09	256.8542429
61.82029704	0.000	6.02E+09	141.5622339
62.7045161	0.000	6.00E+09	207.8678004
62.81518816	0.000	6.00E+09	193.7562049
60.02367246	0.000	6.02E+09	180.4427355
60.44106654	0.000	6.07E+09	229.3611006
61.19477202	0.000	6.07E+09	267.0678741
61.50135551	0.000	6.07E+09	261.9946715
60.00422868	0.000	6.08E+09	339.2440982
59.22302101	0.000	6.09E+09	341.4305912
59.63716677	0.000	6.07E+09	251.6528178
59.58420123	0.000	6.26E+09	175.4683379
62.21365401	0.000	6.30E+09	171.2936383
62.09308775	0.000	6.33E+09	191.8516768
61.2029191	0.000	6.37E+09	264.5483732
59.6533234	0.000	6.38E+09	284.153709
59.24145784	0.000	6.40E+09	176.9955267

59.87966094	0.000	6.58E+09	229.051355
59.66086115	0.000	6.58E+09	228.7979547
59.63142577	0.000	6.59E+09	236.8893335
59.44583631	0.000	6.59E+09	293.9088213
58.47923056	0.000	5.80E+09	214.0267381
60.17841482	0.000	5.38E+09	108.1924842
60.62174839	0.000	6.69E+09	127.6013451
60.81952783	0.000	6.85E+09	129.7106872
61.03223021	0.000	6.75E+09	88.33787974
60.33187775	0.000	5.34E+09	118.3810507
60.47138723	0.000	3.93E+09	141.5302406
60.20095439	0.000	3.79E+09	134.9225338
60.19976314	0.000	4.24E+09	133.2668075
60.27457655	0.000	4.31E+09	149.1947894
60.32639448	0.000	4.52E+09	185.1465869
60.53844067	0.000	7.15E+09	199.5584139
60.73193607	0.000	5.19E+09	179.6867571
61.09285399	0.000	1.68E+09	201.0375089
59.21610057	0.000	9.01E+08	186.1627645
58.0925478	0.000	5.56E+09	197.0273289
58.8207996	0.000	7.38E+09	169.5402232
58.87008694	0.000	7.40E+09	221.5284067
58.03649859	0.000	7.42E+09	264.708991
58.01241953	0.000	7.42E+09	217.4194314
57.53596124	0.000	7.45E+09	263.5419252
57.6545987	0.000	7.62E+09	185.1273281
58.81470899	0.000	7.63E+09	147.0052996
59.03516802	0.000	7.65E+09	166.2239565
58.88298255	0.000	7.67E+09	177.3971631
58.82187982	0.000	7.70E+09	218.4170917
57.00206942	0.000	7.76E+09	378.3873338
56.9371148	0.000	7.80E+09	309.8821513
55.34224474	0.000	8.03E+09	328.0336221
54.7891244	0.000	7.95E+09	322.4333083
55.86589677	0.000	7.97E+09	211.9574711
56.95501484	0.000	7.98E+09	244.7643657
56.53752723	0.000	8.00E+09	221.2249256
55.20557695	0.000	8.01E+09	256.5406721
54.93256407	0.000	8.03E+09	190.4919102
56.86987538	0.000	8.07E+09	150.7369249
57.56452416	0.000	8.29E+09	174.5924694
54.21712178	0.000	8.28E+09	283.0521699
54.3130883	0.000	8.29E+09	296.5635296
54.57684546	0.000	8.30E+09	222.1041418
54.64052218	0.000	8.30E+09	165.6037881
55.67402327	0.000	8.32E+09	131.3443861
55.72584377	0.000	8.35E+09	92.97915341
56.33664846	0.000	8.54E+09	103.6793786
56.63374267	0.000	8.50E+09	106.5755071
57.360626	0.000	8.52E+09	115.1817872
56.78649337	0.000	8.53E+09	230.8083579
54.0834886	0.000	8.54E+09	207.9727802

55.04567868	0.000	8.55E+09	210.2322135
56.34216456	0.000	8.58E+09	165.6121556
55.61410538	0.000	8.60E+09	203.3701848
54.05943531	0.000	8.97E+09	164.0523874
53.83059855	0.000	8.94E+09	150.4510705
55.32763306	0.000	8.95E+09	161.8503723
53.88270533	0.000	9.09E+09	138.9641545
56.13664038	0.000	1.25E+10	147.0887245
57.18586839	0.000	1.26E+10	92.41215472
55.99409166	0.000	1.26E+10	75.04232581
55.87756604	0.000	1.26E+10	70.91329119
56.63640834	0.000	1.26E+10	75.59872059
58.12160161	0.000	1.26E+10	70.66127512
57.86311629	0.000	1.26E+10	152.3460223
53.89313638	0.000	1.26E+10	201.3182845
55.28539431	0.000	1.26E+10	184.7080342
59.08760281	0.000	1.26E+10	192.4115323
58.26085226	0.000	1.26E+10	86.23680018
54.45917909	0.000	1.26E+10	158.8488967
50.87148715	0.000	1.26E+10	254.2892622
52.02561724	0.000	1.26E+10	171.7400246
53.92367479	0.000	1.26E+10	134.9825184
55.4220067	0.000	1.26E+10	84.46349795
55.1013393	0.000	1.26E+10	107.8426898
55.13680216	0.000	1.26E+10	70.0629404
58.23256061	0.000	1.26E+10	26.50545959
57.85274494	0.000	1.26E+10	77.06508564
54.79023333	0.000	1.26E+10	121.6532651
53.78340587	0.000	1.26E+10	182.4987189
51.09942282	0.000	1.26E+10	299.1763697
51.20831225	0.000	1.26E+10	157.7052868
54.00397959	0.000	1.26E+10	174.9204231
56.39923494	0.000	1.26E+10	73.72721621
56.20524278	0.000	1.26E+10	46.3547596
56.76630329	0.000	1.26E+10	15.47760907
53.84914633	0.000	1.26E+10	98.83896049
54.14119357	0.000	1.26E+10	92.24635328
56.46547228	0.000	1.26E+10	16.48482485
54.43119355	0.000	1.26E+10	91.03534164
54.13637451	0.000	1.26E+10	126.9259254
53.238161	0.000	1.26E+10	175.9209695
52.50783158	0.000	1.26E+10	115.2572923
52.84664375	0.000	1.26E+10	130.4494365
52.39166751	0.000	1.26E+10	170.3855421
52.29237865	0.000	1.26E+10	125.4371758
51.75886671	0.000	1.26E+10	87.65861335
52.54593581	0.000	1.26E+10	81.55310268
55.72349224	0.000	1.26E+10	54.91487998
55.7961322	0.000	1.26E+10	14.49289867
54.07845568	0.000	1.26E+10	83.81251565
55.16935867	0.000	1.26E+10	119.396278
54.4399288	0.000	1.26E+10	118.2994213

53.18887322	0.000	1.26E+10	77.36885931
54.43489259	0.000	1.26E+10	60.26034286
53.16196408	0.000	1.26E+10	190.369538
52.35763965	0.000	1.26E+10	162.9011857
51.2123887	0.000	1.26E+10	112.0879673
53.62264667	0.000	1.11E+10	99.39529636
56.30243357	0.000	1.09E+10	52.78624047
54.43774302	0.000	1.06E+10	61.65479393
52.78179888	0.000	1.00E+10	63.27768281
53.59792938	0.000	9.97E+09	77.08420997
54.33455058	0.000	9.95E+09	84.55401731
56.72667513	0.000	9.98E+09	5.448174967
55.2114884	0.000	9.98E+09	18.51790063
53.14001373	0.000	9.95E+09	58.20886161
52.26363875	0.000	9.94E+09	73.26399434
51.83477443	0.000	9.93E+09	169.8211733
50.3904309	0.000	9.98E+09	106.6553611
52.91885917	0.000	1.01E+10	143.319411
55.28318767	0.000	9.91E+09	38.88750135
52.05403145	0.000	9.89E+09	138.2969715
50.49903298	0.000	9.91E+09	104.4367457
51.6322174	0.000	9.93E+09	102.4529602
50.29152656	0.000	9.91E+09	170.8902754
48.12917741	0.000	9.91E+09	147.2308004
47.9451575	0.000	9.91E+09	149.0056795
49.385275	0.000	9.91E+09	139.4401311
49.32195284	0.000	9.91E+09	74.53043434
48.81487892	0.000	9.62E+09	107.3618134
48.77521841	0.000	8.75E+09	86.52212581
49.32783807	0.000	6.14E+09	89.08454468
52.17573424	0.000	5.09E+09	111.1898888
48.89417402	0.000	4.67E+09	142.0160385
47.92578845	0.000	4.68E+09	76.83305458
49.57003742	0.000	4.67E+09	77.94764357
52.1786442	0.000	4.27E+09	74.57944789
53.6378434	0.000	3.10E+09	19.53580549
52.54529673	0.000	1.49E+09	33.63607865
52.75783403	0.000	1.00E+09	25.44128034
54.37514714	0.000	-3.28E+08	15.36515296
52.55165562	0.000	-4.46E+08	55.72891658
51.64229806	0.000	-4.66E+08	77.28958795
52.90912368	0.000	-4.46E+08	84.85056904
52.60480182	0.000	-2.75E+08	45.90184711
50.16496203	0.000	-2.22E+08	148.0515136
49.46234113	0.000	-4.13E+08	83.76645328
49.89779018	0.000	-4.00E+08	77.82427804
50.66776174	0.000	6.10E+09	69.52929481
54.48715673	0.000	5.56E+09	55.53259532
55.98527239	0.000	4.79E+09	14.47754232
57.4768707	0.000	1.60E+09	1.173282443
57.1087604	0.000	-3.87E+08	0.283206107
52.41925547	0.000	1.03E+09	53.12288426

52.78912216	0.000	6.13E+09	63.55744576
51.51871251	0.000	6.11E+09	100.3178497
49.3144369	0.000	6.02E+09	158.0587402
49.26956011	0.000	6.02E+09	127.6097843
52.20350246	0.000	6.01E+09	91.6735607
52.0017827	0.000	6.01E+09	56.07582389
52.03163664	0.000	6.03E+09	61.96963261
51.41568384	0.000	6.03E+09	65.48920997
51.56596801	0.000	6.04E+09	70.89640362
50.10506599	0.000	5.36E+09	170.8332837
51.5377062	0.000	4.49E+09	96.06736511
54.34032203	0.000	4.49E+09	25.90421349
53.46280577	0.000	2.51E+09	63.82939872
53.23405135	0.000	-5.05E+08	44.16445257
54.46764521	0.000	-5.25E+08	38.62484497
53.75262562	0.000	-4.33E+08	28.05258523
54.60600606	0.000	-5.45E+08	26.41755901
52.64339996	0.000	-5.58E+08	125.2178314
53.05450359	0.000	-5.71E+08	127.4426221
55.67911951	0.000	-5.45E+08	66.94149548
52.7738076	0.000	-4.39E+08	94.00239442
51.11282764	0.000	-4.39E+08	103.5923932
51.33545826	0.000	-4.26E+08	102.2332003
53.27541483	0.000	-4.20E+08	100.2360376
51.84455857	0.000	-4.06E+08	97.6185865
53.29690616	0.000	-5.12E+08	69.44373317
53.32093928	0.000	-5.25E+08	67.24336119
54.84866477	0.000	-5.18E+08	82.56647597
56.17641932	0.000	-5.18E+08	35.3852508
56.33660299	0.000	-5.18E+08	11.08229712
53.01502254	0.000	-5.12E+08	111.942645
53.35736691	0.000	-5.31E+08	67.05185388
55.04670325	0.000	-5.38E+08	40.42989504
54.9462582	0.000	-4.01E+08	56.25080652
55.47099365	0.000	-3.77E+08	14.39453574
54.69248754	0.000	-3.36E+08	88.6146916
54.04872344	0.000	1.85E+07	107.983888
56.29375259	0.000	3.88E+08	95.0590913
56.56810424	0.000	-2.81E+08	56.40438742
51.93228306	0.000	-4.18E+08	130.6656693
51.50071978	0.000	4.56E+09	189.678199
52.70147093	0.000	6.07E+09	167.9813221
53.08623707	0.000	6.07E+09	133.5377628
53.33928444	0.000	6.07E+09	103.6389118
53.65926803	0.000	6.07E+09	115.118091
54.17757009	0.000	6.08E+09	150.9440264
51.16493486	0.000	6.08E+09	118.7283602
52.04817045	0.000	6.08E+09	89.95143103
54.85209165	0.000	6.07E+09	84.83007209
58.36344334	0.000	6.07E+09	10.37996978
58.54283293	0.000	6.08E+09	16.33605379
56.41219589	0.000	6.08E+09	17.79255861

55.69954454	0.000	6.08E+09	110.8935944
54.57026578	0.000	6.08E+09	78.21578753
56.72524604	0.000	6.09E+09	76.41413357
58.28890946	0.000	6.08E+09	38.31609794
57.72763723	0.000	6.09E+09	36.31531755
57.56431148	0.000	6.09E+09	31.83463674
58.91179196	0.000	6.10E+09	26.20859653
59.02464514	0.000	6.10E+09	49.98892966
58.92900148	0.000	6.11E+09	20.81766892
58.50460712	0.000	6.11E+09	58.74265267
58.79263149	0.000	6.13E+09	79.4557709
54.85794839	0.000	6.13E+09	130.6660494
54.83203868	0.000	6.18E+09	202.1457094
55.82387472	0.000	6.16E+09	216.4724905
56.06950434	0.000	6.16E+09	170.7649128
55.63637279	0.000	6.12E+09	140.9853236
53.57966005	0.000	6.13E+09	197.3901102
54.06367294	0.000	6.10E+09	235.0566548
54.26692493	0.000	6.07E+09	151.9267493
57.14337653	0.000	6.08E+09	127.9629178
55.18089409	0.000	4.84E+09	178.7688839
56.40589126	0.000	4.21E+09	184.5457405
57.49384949	0.000	2.01E+09	114.5060405
53.40668282	0.000	5.75E+09	156.639468
55.63924931	0.000	6.12E+09	179.8847198
58.10611605	0.000	6.12E+09	150.0916584
56.07344185	0.000	4.02E+09	124.3038385
57.04331276	0.000	-3.66E+08	80.60815608
58.37653366	0.000	-3.91E+08	124.6906271
55.72835215	0.000	-3.79E+08	139.5897494
56.23012033	0.000	-3.91E+08	111.5695304
57.52283533	0.000	-4.04E+08	113.144081
56.19887926	0.000	-3.94E+08	214.0382825
55.94192874	0.000	-4.03E+08	200.5641765
57.31217351	0.000	-3.99E+08	181.8412505
56.80801405	0.000	-3.95E+08	108.8355634
56.06186847	0.000	-3.93E+08	132.8077123
55.86463426	0.000	-3.97E+08	136.5026909
56.90672599	0.000	-4.03E+08	80.38498232
56.59817044	0.000	-3.95E+08	73.83629082
56.10318492	0.000	-3.96E+08	100.53568
58.3682509	0.000	-4.01E+08	119.6213497
57.25384744	0.000	-3.95E+08	160.1823973
58.0882363	0.000	-4.03E+08	136.7672047
58.82184025	0.000	-4.05E+08	84.27248173
57.87714378	0.000	-3.94E+08	71.7338506
58.40314338	0.000	-4.13E+08	103.3062007
58.99892169	0.000	-4.14E+08	101.7561789
59.29187926	0.000	-4.15E+08	88.48505642
58.48639693	0.000	-4.15E+08	88.13605367
59.19406121	0.000	-4.15E+08	81.7562608
59.00757802	0.000	-4.03E+08	77.05189224

58.44733835	0.000	-1.67E+08	109.7018702
58.98339733	0.000	-4.09E+08	112.4014305
58.69638794	0.000	-4.03E+08	101.1327264
58.53188691	0.000	-3.86E+08	97.29841261
59.53349418	0.000	1.63E+09	83.13792459
60.87970395	0.000	4.59E+09	88.17002633
60.57130431	0.000	6.08E+09	167.3166676
57.06080918	0.000	6.08E+09	298.4708416
56.75318211	0.000	6.08E+09	278.523501
57.56000182	0.000	6.08E+09	165.1420407
57.78420035	0.000	5.50E+09	189.6030303
59.65776695	0.000	2.65E+09	110.3393699
60.77230161	0.000	-2.50E+08	83.5193639
61.80474944	0.000	2.87E+09	110.2788756
62.29292601	0.000	-4.08E+08	157.8580026
57.29256377	0.000	-4.18E+08	278.9073708
55.72553607	0.000	-4.07E+08	288.2809912
56.42992632	0.000	-4.15E+08	240.9306725
58.81098137	0.000	-4.20E+08	277.5830451
61.92954956	0.000	-4.06E+08	209.4839738
62.70222984	0.000	-4.01E+08	165.3727161
60.21557715	0.000	-3.83E+08	134.1911426
56.86414951	0.000	1.12E+08	275.9728011
56.95351607	0.000	-3.99E+08	285.6993543
58.08597263	0.000	-3.97E+08	294.5877015
59.82865876	0.000	-3.91E+08	218.4264168
60.71046835	0.000	-3.74E+08	130.7294966
61.60734338	0.000	-3.69E+08	114.454389
61.61006058	0.000	-3.73E+08	133.3626872
61.46161462	0.000	-3.77E+08	166.9990356
59.99905481	0.000	-3.60E+08	146.1507831
59.92477062	0.000	-3.63E+08	112.9840211
60.13670053	0.000	-3.28E+08	134.3591313
61.20873239	0.000	-3.67E+08	155.0311314
62.26346005	0.000	-3.63E+08	140.5354884
62.68326739	0.000	-2.86E+08	111.8118682
62.13205041	0.000	-3.32E+08	159.5158322
60.08373825	0.000	-3.67E+08	286.4543937
59.67505187	0.000	-3.72E+08	261.8792231
60.71306161	0.000	-3.82E+08	258.1844226
58.94948811	0.000	-3.75E+08	398.952034
60.33333092	0.000	-3.69E+08	324.0498992
60.98298331	0.000	-2.75E+08	276.3093339
60.00050035	0.000	-3.67E+08	362.0185287
59.33388821	0.000	-3.61E+08	404.8408657
59.48418029	0.000	-3.61E+08	271.4094806
60.63403679	0.000	-3.59E+08	241.060435
60.76150897	0.000	-3.63E+08	205.9700308
60.29138328	0.000	-3.86E+08	201.9258237
61.18271595	0.000	-3.52E+08	190.7366071
62.46260476	0.000	-3.92E+08	186.8138411
61.94249903	0.000	-3.85E+08	196.2449839

61.23444783	0.000	-3.69E+08	199.323559
62.08942383	0.000	-3.87E+08	134.6931857
62.76945107	0.000	-3.91E+08	172.2162556
60.93041286	0.000	-3.88E+08	173.3727311
61.4850516	0.000	-3.87E+08	171.5802293
62.1794166	0.000	-3.90E+08	162.3473446
63.02070205	0.000	-3.81E+08	128.0546792
63.09231037	0.000	-3.69E+08	125.9327051
63.48701748	0.000	-3.69E+08	179.4338015
62.30320283	0.000	-3.56E+08	197.2203779
61.5863397	0.000	-3.46E+08	256.4786528
61.36957691	0.000	-3.69E+08	283.9761797
61.80787436	0.000	-3.60E+08	302.9903066
59.85750387	0.000	-3.61E+08	187.3622208
59.91121739	0.000	-3.58E+08	175.5949742
60.82378695	0.000	-3.50E+08	194.6064062
61.35322262	0.000	-3.42E+08	189.7293798
61.01084403	0.000	-3.50E+08	223.4509935
60.75367107	0.000	-3.57E+08	211.8722685
60.54864503	0.000	-3.56E+08	188.6877974
61.90718547	0.000	-3.54E+08	178.3980786
62.25345702	0.000	-2.32E+08	182.7242546
61.53163421	0.000	-3.44E+08	197.2948992
61.79618269	0.000	-3.54E+08	164.6235162
61.67105042	0.000	-2.26E+08	161.0830859
61.41750337	0.000	-3.43E+08	226.4477998
61.52252368	0.000	-3.47E+08	215.4674898
61.4150714	0.000	-3.50E+08	238.2856534
61.55728417	0.000	-3.50E+08	197.6274406
61.40970741	0.000	-3.34E+08	185.7525436
61.85882131	0.000	-3.38E+08	203.443647
61.36689502	0.000	-3.36E+08	206.7474911
61.42462952	0.000	-3.43E+08	213.0931841
61.51130782	0.000	-3.46E+08	281.039608
62.03540975	0.000	-3.41E+08	282.1422944
62.15537304	0.000	-3.46E+08	255.4400475
62.15619465	0.000	-3.39E+08	257.3009045
62.41608338	0.000	-3.33E+08	282.0561918
62.21535323	0.000	-3.38E+08	262.2446352
63.01000374	0.000	-3.38E+08	260.1197353
62.77541558	0.000	-3.34E+08	220.6397875
61.03150598	0.000	-3.34E+08	191.7097629
59.88149431	0.000	-3.30E+08	154.1367488
60.29126801	0.000	-3.27E+08	266.6946125
59.58978361	0.000	-3.12E+08	283.5048028
59.9271507	0.000	-3.15E+08	264.9836703
61.01252904	0.000	-3.12E+08	236.1704774
61.34972523	0.000	-3.11E+08	227.2407952
61.33101566	0.000	-2.96E+08	209.4287176
61.08557975	0.000	-2.90E+08	215.8240686
61.38749277	0.000	-2.93E+08	203.3069973
60.72007126	0.000	-2.96E+08	247.9728535

59.44478436	0.000	-2.32E+08	263.3787958
59.46479526	0.000	6.11E+08	242.6216857
58.98266428	0.000	2.90E+08	243.3166952
58.99614449	0.000	-2.84E+08	232.7916324
59.79834612	0.000	-2.95E+08	216.9531659
60.29887925	0.000	-2.89E+08	260.889126
59.86450574	0.000	-2.90E+08	310.6715228
57.69682402	0.000	-2.95E+08	336.5162433
57.26410756	0.000	-1.36E+08	305.5728711
57.80665951	0.000	-2.06E+08	275.8671538
58.86769153	0.000	-2.07E+08	131.6680885
59.82920752	0.000	-1.88E+08	126.4041607
59.37022288	0.000	-2.66E+08	141.8928389
59.12139092	0.000	-2.72E+08	161.8218711
61.00598886	0.000	-2.65E+08	182.7464839
59.48733362	0.000	-2.56E+08	192.3122459
58.33612438	0.000	-1.81E+08	251.1905334
57.59311158	0.000	-2.55E+08	227.6306145
57.39483239	0.000	-2.50E+08	150.4269231
59.20497233	0.000	-2.38E+08	126.5175307
59.71693186	0.000	-2.37E+08	111.0845425
60.82687112	0.000	-2.24E+08	149.3210897
60.39989827	0.000	-2.15E+08	177.5435828
58.62404536	0.000	-2.33E+08	197.8458184
60.68704367	0.000	-2.23E+08	187.4316248
59.24682785	0.000	-2.28E+08	230.6844621
56.52959215	0.000	-2.28E+08	238.9858191
57.55936266	0.000	-2.32E+08	209.1535101
57.87129808	0.000	-1.54E+08	174.7217596
58.03619554	0.000	-2.39E+08	120.1999839
57.71419955	0.000	-2.32E+08	218.6314431
58.29692558	0.000	-2.20E+08	131.3292338
58.64892153	0.000	-1.98E+08	147.9636402
59.4545355	0.000	-2.02E+08	140.7207973
57.61333015	0.000	-2.05E+08	162.094623
56.66709928	0.000	-1.56E+08	234.363256
56.30467821	0.000	1.21E+09	273.9069505
54.68012412	0.000	1.33E+09	242.654256
54.46602352	0.000	4.26E+08	292.393025
54.41416787	0.000	-1.22E+08	291.8847108
54.51134729	0.000	-1.72E+08	193.2012946
56.20625075	0.000	-1.78E+08	244.3264415
56.94659788	0.000	-1.73E+08	210.676755
54.90363286	0.000	9.42E+07	268.3940083
53.71165881	0.000	6.23E+09	270.4880917
54.05884902	0.000	6.24E+09	186.2074245
56.05713312	0.000	6.23E+09	148.5672221
56.99239205	0.000	6.24E+09	151.2692821
57.34719153	0.000	6.23E+09	108.3330426
58.49776119	0.000	5.43E+09	112.5984603
56.16607886	0.000	1.02E+09	161.9378408
54.69273182	0.000	-1.53E+08	140.4969176

54.60511285	0.000	-1.53E+08	146.0307485
55.26733404	0.000	-1.61E+08	230.8302444
55.49795273	0.000	-1.55E+08	195.2231998
56.86047409	0.000	-1.45E+08	195.4385681
55.63186173	0.000	2.45E+07	198.455906
55.05403503	0.000	-1.48E+08	173.6425775
54.33938984	0.000	-1.56E+08	120.6936642
56.86618431	0.000	-1.71E+08	102.8806842
54.62225012	0.000	-1.85E+08	112.0305857
54.60517597	0.000	-1.91E+08	152.8199227
53.98053106	0.000	-1.87E+08	143.2722428
54.12778261	0.000	-1.06E+08	121.2236246
54.72219048	0.000	-1.69E+08	182.4173373
54.93860052	0.000	-1.81E+08	117.2004687
56.81046426	0.000	-2.00E+08	82.92923205
57.43034161	0.000	-1.79E+08	58.51245509
56.34305704	0.000	-2.29E+08	185.9614659
55.37009445	0.000	-1.80E+08	155.776418
55.7925517	0.000	-2.38E+08	103.7027288
54.93950141	0.000	-2.32E+08	92.81359587
56.37960254	0.000	-2.33E+08	87.17893309
55.74356523	0.000	-2.21E+08	147.6112965
53.6755955	0.000	-2.15E+08	136.4037076
54.4404415	0.000	-2.13E+08	81.06425574
54.85939894	0.000	-2.60E+08	79.40872461
55.47179025	0.000	-2.55E+08	67.97718389
57.37768501	0.000	-2.45E+08	36.96864816
56.78003573	0.000	-2.44E+08	104.7322786
53.51429318	0.000	-2.46E+08	111.1395844
53.34852416	0.000	-1.15E+08	102.3955562
56.67584465	0.000	-2.47E+08	62.01556643
55.75344164	0.000	-2.62E+08	166.8482765
53.33702338	0.000	-1.76E+08	126.4232341
53.73193209	0.000	-2.74E+08	110.0043856
53.10982064	0.000	-2.69E+08	155.3265419
54.02492553	0.000	-2.46E+08	93.9300611
55.7078148	0.000	-2.57E+08	86.77551153
57.95296692	0.000	-2.44E+08	13.47596194
55.40588672	0.000	-2.43E+08	126.1210482
53.06925994	0.000	-2.34E+08	135.0328976
53.49062933	0.000	-2.63E+08	144.6785159
53.86787416	0.000	-3.32E+07	147.0124562
52.86851961	0.000	1.09E+09	157.3807121
55.46546591	0.000	5.97E+08	147.9517643
53.51552942	0.000	-2.77E+08	148.8747391
51.98686352	0.000	-2.76E+08	113.7140641
54.24997931	0.000	-2.82E+08	125.7131692
55.34129094	0.000	-2.75E+08	97.98108991
54.63632661	0.000	-2.77E+08	87.74805967
51.56275083	0.000	-2.71E+08	83.54689751
50.98463058	0.000	-2.74E+08	88.80974028
50.54181374	0.000	-2.82E+08	149.3690122

48.42565819	0.000	-2.93E+08	121.7312399
48.8881409	0.000	-1.96E+08	89.65595213
52.14009916	0.000	-3.04E+08	90.15080455
54.89970712	0.000	-3.08E+08	85.63533346
50.5148157	0.000	-3.03E+08	115.0395184
50.38391454	0.000	-3.05E+08	85.14337865
50.51003241	0.000	-3.05E+08	106.9097743
52.77653208	0.000	-3.14E+08	103.7577107
54.81855871	0.000	-3.08E+08	117.4280874
56.23086335	0.000	-3.04E+08	28.54322204
52.88970599	0.000	-3.11E+08	96.43690794
53.07906571	0.000	-3.09E+08	48.75212322
56.58596664	0.000	-3.10E+08	7.614456287
55.24547579	0.000	-3.16E+08	64.57490977
52.71772083	0.000	-3.13E+08	102.4935844
53.91191144	0.000	-1.43E+08	86.70230921
56.73406875	0.000	1.19E+09	67.00380863
51.54026328	0.000	1.33E+09	111.8089133
52.11113528	0.000	7.03E+08	91.94369918
53.95138093	0.000	-3.10E+08	56.26634822
52.50837658	0.000	-3.18E+08	70.44011194
53.34636206	0.000	-3.08E+08	53.60969286
52.73379117	0.000	-3.18E+08	63.90980411
51.85819335	0.000	-3.16E+08	162.9370881
51.00691569	0.000	-8.31E+08	94.57703603
52.55611543	0.000	-3.17E+08	50.47685369
52.19174122	0.000	-3.09E+08	47.45169334
55.36777378	0.000	-3.20E+08	11.02501772
53.60235455	0.000	-3.18E+08	52.22753148
52.06013866	0.000	-2.55E+08	53.93325297
53.06399644	0.000	-3.26E+08	49.56884885
53.6430971	0.000	-3.28E+08	45.53320336
53.35820601	0.000	-3.40E+08	79.87430432
51.28587008	0.000	-3.36E+08	62.13031785
53.33212308	0.000	4.26E+07	40.64554536
53.23861168	0.000	-7.28E+07	55.695015
52.33152151	0.000	-3.52E+08	96.92972069
53.63301287	0.000	-3.52E+08	86.80009175
55.11971371	0.000	-3.51E+08	76.54527107
54.23393514	0.000	-3.51E+08	114.7892784
51.06270682	0.000	-3.47E+08	148.0261046
51.54620992	0.000	-3.56E+08	70.89933995
53.39777982	0.000	-3.47E+08	77.59191432
54.13771811	0.000	-1.87E+08	52.2054283
54.05188005	0.000	-3.54E+08	69.15670376
55.08268412	0.000	-3.54E+08	45.37977257
55.92765406	0.000	-2.72E+07	74.86005192
53.3393994	0.000	-3.45E+08	79.60976424
55.53204619	0.000	-3.60E+08	51.46152132
56.46221494	0.000	-3.17E+08	12.94389344
54.93530174	0.000	-2.95E+08	76.99737722
56.77551134	0.000	-2.97E+08	60.12395203

58.03964587	0.000	-2.92E+08	9.443770322
55.92377473	0.000	1.83E+08	29.01228724
51.2606221	0.000	-2.37E+08	144.3950953
50.62704536	0.000	-3.56E+08	89.19270582
51.90717627	0.000	-3.63E+08	61.91546688
51.35049747	0.000	-1.84E+08	73.69187588
52.2669428	0.000	2.88E+08	98.56593507
50.49276558	0.000	6.47E+07	180.2924923
50.37925718	0.000	-3.52E+08	147.2299176
51.98423588	0.000	1.24E+08	118.817627
53.07254707	0.000	4.59E+09	101.045373
51.64978036	0.000	3.00E+09	62.48670314
55.68984672	0.000	-3.48E+08	10.15598835
58.73376252	0.000	-3.63E+08	0.525954198
53.89155387	0.000	-3.63E+08	54.30805873
51.69595225	0.000	-3.65E+08	126.6688697
50.16691961	0.000	-3.69E+08	112.3042712
51.11053658	0.000	-3.65E+08	73.43025191
51.2673432	0.000	-3.52E+08	67.40693475
54.68436045	0.000	-2.63E+08	17.85504269
54.13856075	0.000	9.68E+08	33.08790866
52.22095034	0.000	-1.04E+07	136.8817699
49.96032936	0.000	-3.16E+08	204.5611314
50.24107356	0.000	-3.30E+08	127.4074468
52.68291358	0.000	-3.27E+08	100.4281415
51.88571496	0.000	-3.31E+08	64.27610699
51.45787495	0.000	-1.44E+08	63.7275353
52.69118369	0.000	1.89E+08	68.85704461
53.08762409	0.000	1.90E+08	89.71056587
53.68669634	0.000	2.07E+08	68.17185913
52.95507084	0.000	2.34E+08	48.19534062
53.86421294	0.000	3.13E+08	20.52379499
52.73817183	0.000	5.61E+08	62.8085612
49.97483407	0.000	5.97E+08	156.6826513
49.80346558	0.000	6.03E+08	162.9196092
51.34018455	0.000	6.11E+08	129.2457798
52.58076529	0.000	6.17E+08	110.5142197
52.67839185	0.000	6.30E+08	57.1878039
54.59907591	0.000	6.60E+08	53.81446926
52.18952845	0.000	6.73E+08	55.62218422
53.17162576	0.000	6.74E+08	30.85505084
56.91906216	0.000	6.93E+08	1.507061069
55.70852933	0.000	7.01E+08	38.65896758
56.28882573	0.000	7.26E+08	28.81975712
57.95396094	0.000	7.32E+08	3.767474167
53.38431396	0.000	7.50E+08	145.8403804
52.47384382	0.000	8.68E+08	76.07450748
53.99664504	0.000	8.53E+08	75.54224072
53.45322426	0.000	8.59E+08	136.9823555
52.26061525	0.000	8.80E+08	108.1528077
53.28507959	0.000	9.01E+08	75.92266748
55.31772896	0.000	9.74E+08	32.29602476

56.81246209	0.000	1.05E+09	19.67103121
57.21833602	0.000	1.06E+09	11.72724958
60.17693877	0.000	1.11E+09	3.641316267
60.5476751	0.000	1.11E+09	6.346158793
58.57632297	0.000	1.22E+09	13.17159285
57.87974304	0.000	1.33E+09	64.35906686
54.62904228	0.000	1.41E+09	197.3283213
54.71091173	0.000	2.02E+09	137.4405657
57.07516807	0.000	2.17E+09	93.92740591
59.70417015	0.000	2.16E+09	41.92049212
57.36050604	0.000	2.21E+09	45.69631532
54.81064971	0.000	2.26E+09	101.3850489
52.45338648	0.000	2.32E+09	154.0896765
53.40578386	0.000	2.23E+09	156.0379813
55.43990676	0.000	2.15E+09	176.0946719
54.92784261	0.000	2.20E+09	171.7401235
54.01927619	0.000	2.25E+09	167.6960029
54.16575215	0.000	2.35E+09	130.9258269
55.38690652	0.000	2.49E+09	105.6537384
55.96022096	0.000	2.50E+09	111.7025307
55.28967088	0.000	2.62E+09	69.22483546
56.30581378	0.000	2.69E+09	104.9292638
57.89106126	0.000	2.77E+09	80.26786414
59.54851477	0.000	2.85E+09	56.61306283
56.63841788	0.000	2.92E+09	93.09081191
56.32261974	0.000	2.98E+09	156.6033112
56.57449969	0.000	3.06E+09	96.73390665
57.54105233	0.000	3.20E+09	159.4983849
56.33242766	0.000	3.34E+09	148.5553184
56.56693168	0.000	3.52E+09	111.1660585
57.89139497	0.000	6.69E+09	62.81318926
59.22920088	0.000	4.60E+09	46.39275803
58.96581944	0.000	3.61E+09	42.00074345
58.09566682	0.000	7.05E+09	131.1833522
57.49238839	0.000	7.49E+09	70.36182572
58.53313328	0.000	7.50E+09	39.41780321
58.71827784	0.000	7.54E+09	41.51454038
58.55000269	0.000	7.67E+09	150.5140074
56.90646577	0.000	9.56E+09	229.5186251
57.01894975	0.000	1.26E+10	171.2473837
57.23697478	0.000	1.26E+10	138.2646007
57.34064601	0.000	1.26E+10	159.6854997
55.18192092	0.000	1.26E+10	267.8386378
56.03265122	0.000	1.26E+10	213.8914394
56.18692095	0.000	1.26E+10	149.6337466
56.65830982	0.000	1.26E+10	135.0381914
56.06026922	0.000	1.26E+10	166.7693201
56.31122177	0.000	1.26E+10	147.623472
56.94515437	0.000	1.26E+10	128.5068582
57.36186446	0.000	1.26E+10	92.23124738
56.94328133	0.000	1.26E+10	74.8048121
56.68723458	0.000	1.26E+10	161.1830724

57.24203374	0.000	1.26E+10	129.7710355
59.10233507	0.000	1.26E+10	106.7681367
59.08348259	0.000	1.26E+10	92.45546297
59.34508203	0.000	1.26E+10	97.78891779
59.51884501	0.000	1.26E+10	77.41546829
59.70625106	0.000	1.26E+10	119.7942359
59.85208594	0.000	1.26E+10	123.8303632
58.8870465	0.000	1.26E+10	152.2640961
60.22327925	0.000	1.26E+10	130.8488353
61.69366896	0.000	1.26E+10	92.02082374
60.81225763	0.000	1.26E+10	118.7613009
58.37232162	0.000	1.26E+10	252.252584
58.29639007	0.000	1.26E+10	194.9045624
60.23043972	0.000	1.26E+10	170.1511366
61.37841554	0.000	1.26E+10	108.7381159
62.45051284	0.000	1.26E+10	96.95807083
61.52145847	0.000	1.26E+10	103.4705269
60.76529378	0.000	1.26E+10	102.2254627
61.45721063	0.000	1.26E+10	148.1018708
60.40909786	0.000	1.26E+10	129.2662331
59.88137531	0.000	1.26E+10	173.6567195
59.1777539	0.000	1.26E+10	145.8299927
59.47757531	0.000	1.26E+10	123.396617
59.99588582	0.000	1.26E+10	155.7707593
60.69120933	0.000	1.26E+10	219.2546059
58.73735491	0.000	1.26E+10	273.3802937
59.02613814	0.000	1.26E+10	197.1175717
60.01934155	0.000	1.26E+10	176.3224487
61.26773754	0.000	1.26E+10	169.1587078
60.68645186	0.000	1.26E+10	173.6385657
59.83236883	0.000	1.26E+10	213.7134373
59.47711747	0.000	1.26E+10	205.9973841
60.16812743	0.000	1.26E+10	168.5789204
60.43018834	0.000	1.26E+10	172.1545401
59.73617352	0.000	1.26E+10	149.43337
59.53557702	0.000	1.26E+10	141.9018685
60.71338002	0.000	1.26E+10	121.9907101
60.38643595	0.000	1.26E+10	104.9139443
60.18731544	0.000	1.26E+10	134.4837819
60.70585779	0.000	1.26E+10	104.9135218
61.51892066	0.000	1.26E+10	108.2289359
62.14077669	0.000	1.26E+10	121.6628021
61.43803759	0.000	1.26E+10	160.0222803
60.40537583	0.000	1.26E+10	314.7010292
59.20802282	0.000	1.26E+10	276.3856553
59.5546302	0.000	1.26E+10	234.289266
60.04856536	0.000	1.26E+10	230.1947577
60.63332764	0.000	1.26E+10	192.2293719
60.74982872	0.000	1.26E+10	171.8809667
60.68211867	0.000	1.26E+10	133.1276144
60.64672918	0.000	1.26E+10	148.5128813
61.2684203	0.000	1.26E+10	140.4874682

61.31674668	0.000	1.26E+10	183.8698696
60.89110561	0.000	1.26E+10	210.0169653
62.27087916	0.000	1.26E+10	209.4331715
63.15082199	0.000	1.26E+10	159.7977538
60.95471358	0.000	1.26E+10	182.4259009
60.78781459	0.000	1.26E+10	190.3090399
60.16456175	0.000	1.26E+10	251.4041797
60.35274031	0.000	1.12E+10	221.194949
59.07223557	0.000	1.09E+10	265.8430373
59.19157028	0.000	1.07E+10	222.7070406
59.80846275	0.000	8.86E+09	208.8267689
60.35904707	0.000	7.30E+09	189.3811956
60.95047117	0.000	7.26E+09	197.7334478
61.41318981	0.000	7.25E+09	200.0254993
61.75342037	0.000	6.61E+09	165.9219238
61.66202148	0.000	6.16E+09	149.7017868
61.61450967	0.000	6.18E+09	153.2545246
61.57044161	0.000	6.14E+09	184.0003804
60.85185653	0.000	6.09E+09	189.1983526
61.4208369	0.000	6.09E+09	197.8999887
61.87431451	0.000	6.09E+09	199.9338802
60.20975029	0.000	6.09E+09	322.9408807
60.10718462	0.000	6.10E+09	265.4158295
60.11662919	0.000	6.10E+09	221.5390687
60.25263691	0.000	6.15E+09	189.6878798
59.51054193	0.000	6.09E+09	177.9339371
60.89718437	0.000	6.09E+09	198.5804203
62.24154281	0.000	6.09E+09	162.6107333
62.75723067	0.000	6.09E+09	160.4392283
62.34821793	0.000	6.10E+09	141.9503195
60.96959022	0.000	6.11E+09	307.8810534
59.06543942	0.000	6.10E+09	384.3331598
59.30212007	0.000	6.10E+09	330.0087541
57.43125757	0.000	6.11E+09	355.8861659
58.10387809	0.000	6.11E+09	276.9282759
58.75861688	0.000	6.11E+09	190.0147216
59.95653732	0.000	6.11E+09	110.7574887
59.9262873	0.000	6.12E+09	114.285369
60.32861383	0.000	6.13E+09	84.61103736
60.62390649	0.000	6.11E+09	124.8150416
60.54563323	0.000	6.11E+09	152.3759176
59.37313472	0.000	6.12E+09	217.82293
59.90769707	0.000	6.10E+09	164.4406105
60.75721832	0.000	6.10E+09	197.2277596
60.77093892	0.000	6.12E+09	172.6263108
61.44730793	0.000	6.15E+09	128.6577009
62.03921447	0.000	6.11E+09	139.1362209
60.97226974	0.000	6.12E+09	180.3310086
59.83210766	0.000	6.12E+09	158.6047684
59.6973734	0.000	6.12E+09	174.157935
60.14053488	0.000	6.12E+09	173.2145551
60.65446554	0.000	6.12E+09	141.2650048

61.17373283	0.000	6.12E+09	155.0368499
61.53989582	0.000	6.12E+09	175.049736
60.13208228	0.000	6.13E+09	216.3051191
60.64066408	0.000	6.14E+09	250.4434901
61.46434242	0.000	6.13E+09	209.5928489
59.45300509	0.000	6.14E+09	305.6819301
58.74119003	0.000	6.14E+09	315.5455237
58.92516251	0.000	6.14E+09	233.4838028
59.52581067	0.000	6.14E+09	180.486704
59.04474802	0.000	6.14E+09	158.7456866
59.77564639	0.000	6.14E+09	140.6086945
60.64469317	0.000	6.13E+09	121.9751207
61.38092062	0.000	6.15E+09	98.43670051
61.73573824	0.000	6.15E+09	107.9071247
60.07008665	0.000	6.16E+09	155.2858992
60.63763686	0.000	6.15E+09	141.4648744
60.27495085	0.000	6.16E+09	133.2540307
60.66674762	0.000	6.16E+09	138.8939203
60.03369255	0.000	6.17E+09	157.9704428
59.67280373	0.000	6.17E+09	196.0921821
58.68904994	0.000	6.17E+09	311.8230288
57.81390122	0.000	6.20E+09	311.3229695
59.28343767	0.000	6.16E+09	121.7032989
60.80589123	0.000	5.33E+09	105.2737908
61.45177631	0.000	4.42E+09	198.4642556
58.78349952	0.000	4.32E+09	370.0900622
55.93906638	0.000	2.80E+09	362.2762921
56.55575763	0.000	5.75E+09	269.381486
58.22575351	0.000	3.07E+09	224.3191817
56.41188707	0.000	4.01E+08	356.2544817
56.25618258	0.000	1.83E+08	195.0732936
58.30062251	0.000	-1.53E+08	178.1118858
58.1971841	0.000	-2.24E+08	139.5343498
57.85542111	0.000	-2.16E+08	130.833488
59.44855205	0.000	-2.31E+08	61.59171365
59.21615519	0.000	-2.39E+08	136.6621662
56.54314781	0.000	-2.65E+07	259.0829979
56.32909111	0.000	-2.29E+08	251.2058437
59.16815762	0.000	-2.65E+08	193.9459809
57.95580034	0.000	-2.67E+08	233.0598298
55.26005207	0.000	-2.67E+08	213.6489637
54.86390842	0.000	-2.63E+08	259.267162
55.62641171	0.000	-2.50E+08	207.1944089
56.66446874	0.000	-1.84E+08	148.2419653
57.62957206	0.000	-2.23E+08	174.8091757
58.79880027	0.000	-2.35E+08	83.01601175
58.69147482	0.000	-2.65E+08	84.06488112
59.05187465	0.000	-2.75E+08	69.22317083
59.49522798	0.000	-2.87E+08	113.845152
59.22257667	0.000	-2.59E+08	85.70553355
57.35951938	0.000	-2.93E+08	137.2455737
55.22329052	0.000	-3.04E+08	219.5567616

55.23408231	0.000	-2.89E+08	259.2618112
55.0820371	0.000	-2.95E+08	344.7815948
55.40799825	0.000	-2.95E+08	189.0045865
55.33852416	0.000	-2.93E+08	144.4696207
55.31970199	0.000	-2.04E+08	141.157968
56.16167597	0.000	-2.34E+08	149.0938957
56.41561335	0.000	-2.97E+08	109.3289207
56.48043114	0.000	-2.87E+08	114.3787293
56.87448112	0.000	-2.84E+08	93.09299711
56.99159461	0.000	-2.87E+08	100.8570021
57.47252916	0.000	-2.72E+08	71.9472886
57.95374472	0.000	-2.93E+08	60.71451138
56.46056185	0.000	-2.87E+08	137.849921
54.9616349	0.000	-2.87E+08	161.975865
54.94263552	0.000	-2.71E+08	188.7953854
53.76835519	0.000	-2.79E+08	174.8735343
55.04534953	0.000	-2.65E+08	138.321588
56.2770441	0.000	-2.67E+08	129.7871597
56.15147386	0.000	-2.64E+08	87.8660834
56.68207169	0.000	-2.53E+08	72.18847585
57.59008981	0.000	-2.65E+08	116.3642939
54.75264294	0.000	-2.75E+08	200.2692251
55.09746386	0.000	-2.73E+08	178.7889857
58.30738335	0.000	-2.74E+08	139.5373682
57.10066169	0.000	-2.79E+08	117.8271563
58.27173322	0.000	-2.71E+08	50.69949619
58.37133922	0.000	-2.69E+08	42.81134421
56.72054243	0.000	-2.53E+08	241.4029987
53.07074089	0.000	-2.46E+08	219.1836125
54.04256729	0.000	-2.49E+08	228.3039634
52.64494106	0.000	-2.60E+08	179.8649685
57.14612116	0.000	-2.71E+08	239.8252905
54.67913127	0.000	-2.15E+08	326.4635669
51.42216454	0.000	-2.68E+08	156.203106
50.63466839	0.000	-2.73E+08	178.2219209
50.77642051	0.000	-2.74E+08	153.0744576
52.94702502	0.000	-2.82E+08	173.3536321
55.98280698	0.000	-2.81E+08	93.08543998
54.5328498	0.000	-2.74E+08	87.24289711
57.05788537	0.000	-2.39E+08	60.04398643
53.53960703	0.000	-1.87E+08	146.7661515
52.97229082	0.000	-2.98E+08	160.52958
52.8598344	0.000	-3.02E+08	108.0691138
53.64076459	0.000	-3.10E+08	133.2789474
52.31003232	0.000	-3.14E+08	271.2909808
51.11922331	0.000	-3.25E+08	166.3139248
53.28470105	0.000	-2.46E+08	99.67731712
55.28304583	0.000	-3.12E+08	87.62804534
54.21443012	0.000	-3.14E+08	117.8309675
50.40398738	0.000	-3.19E+08	166.5500762
49.92486445	0.000	-3.10E+08	182.4564154
50.84697121	0.000	-3.08E+08	112.3471002

51.60139182	0.000	-3.08E+08	77.72499215
51.37997284	0.000	-3.04E+08	89.30369193
50.81822743	0.000	-3.10E+08	100.3139697
50.30675203	0.000	-3.16E+08	88.14197078
51.66736073	0.000	-3.19E+08	103.6948784
49.67682079	0.000	-3.16E+08	167.1691001
48.96000982	0.000	-3.26E+08	96.04977527
49.57837326	0.000	-3.23E+08	110.1012476
49.5525273	0.000	-3.16E+08	87.5250961
49.85308425	0.000	-3.12E+08	102.0216126
49.5666014	0.000	-2.98E+08	135.7108993
47.18355092	0.000	-2.97E+08	183.8856248
47.5789868	0.000	-3.00E+08	181.1582793
48.07410546	0.000	-3.02E+08	172.2629163
49.08021489	0.000	-3.12E+08	108.468406
51.76501874	0.000	-1.49E+08	109.1619541
49.8287226	0.000	-3.18E+08	98.30169976
51.71826945	0.000	-3.46E+08	55.42205684
52.05656485	0.000	-3.54E+08	38.22196024
53.50144146	0.000	-3.53E+08	32.36493595
54.47404076	0.000	-3.48E+08	4.690059491
54.08857814	0.000	-3.50E+08	64.34581342
51.97290294	0.000	-2.26E+08	66.61015095
52.8356992	0.000	-2.31E+08	46.69860062
54.85323749	0.000	-8.51E+08	12.89077018
55.03626223	0.000	-3.48E+08	13.25589255
53.34850881	0.000	-3.02E+08	19.11972983
52.82679451	0.000	-2.87E+08	40.3487278
52.47786852	0.000	-2.75E+08	43.19193937
52.5202125	0.000	-2.12E+08	41.43415164
54.32854408	0.000	-2.98E+08	67.21836292
54.03238302	0.000	-2.99E+08	71.66817697
54.11960956	0.000	-2.96E+08	122.2224413
52.30737543	0.000	-2.95E+08	119.5426641
52.12998747	0.000	-2.93E+08	76.68774051
55.19780874	0.000	-2.91E+08	55.75630747
54.73711894	0.000	-3.01E+08	21.62480847
56.23296506	0.000	-1.81E+08	16.56242765
57.54143008	0.000	-3.12E+08	4.474307434
54.73621134	0.000	6.81E+07	72.61436715
54.33018817	0.000	-2.89E+08	45.51519037
56.67034809	0.000	-3.01E+08	21.74690602
54.15100037	0.000	-3.05E+08	68.70036197
54.82166071	0.000	-1.91E+08	65.37984186
55.45168052	0.000	-3.06E+08	34.64226896
56.05041985	0.000	-3.11E+08	6.822456879
53.51497289	0.000	-2.61E+08	90.91245638
53.11481537	0.000	-1.91E+08	95.03125885
54.8359584	0.000	-1.55E+08	72.0223615
53.5519094	0.000	-1.61E+08	64.26987529
54.46483345	0.000	-1.61E+08	69.03563583
54.0808139	0.000	-1.69E+08	56.9719703

54.50766881	0.000	-1.77E+08	44.47084301
57.35801057	0.000	-1.65E+08	10.73556727
54.9951297	0.000	-1.68E+08	30.94111635
54.7837497	0.000	-1.76E+08	44.14688425
52.77841926	0.000	-1.60E+08	121.9254938
54.56365905	0.000	-1.52E+08	110.1802351
55.46366189	0.000	-1.67E+08	66.92452063
54.629237	0.000	-1.69E+08	54.32722783
57.22520538	0.000	-1.61E+08	41.34170069
56.0301546	0.000	1.44E+09	44.18868139
53.72747813	0.000	6.14E+09	86.6955773
53.53922226	0.000	6.15E+09	99.98870944
55.31107677	0.000	6.15E+09	115.8461843
58.49284326	0.000	6.14E+09	53.91375024
57.30502557	0.000	6.14E+09	24.95940604
57.98531935	0.000	6.13E+09	5.95083794
55.63776187	0.000	6.14E+09	141.9817702
53.21972633	0.000	6.15E+09	111.7514438
54.64685363	0.000	6.14E+09	75.79267601
53.41526334	0.000	6.13E+09	162.3820508
52.88051807	0.000	6.14E+09	83.00931207
55.99451824	0.000	6.14E+09	61.8606677
57.24368447	0.000	6.15E+09	32.06370708
54.15761039	0.000	6.15E+09	215.5134945
50.4670042	0.000	6.15E+09	302.4573695
49.83664524	0.000	4.64E+09	157.1824232
52.60991264	0.000	1.32E+09	141.20547
54.0872273	0.000	-2.75E+08	74.18877156
52.94616103	0.000	-2.97E+08	132.2975257
53.72965448	0.000	-1.79E+08	67.69471741
54.27490336	0.000	-6.07E+07	33.58667728
52.50000209	0.000	-5.00E+07	154.2555559
53.34292967	0.000	-2.08E+08	82.93045802
54.38570436	0.000	-2.95E+08	71.82211694
51.74866941	0.000	-2.95E+08	159.5764533
52.07058592	0.000	-3.39E+08	88.58560664
56.20189881	0.000	-3.41E+08	35.86817187
56.52856679	0.000	-3.42E+08	10.70719335
58.18986431	0.000	-3.50E+08	5.456018138
59.79919328	0.000	-3.20E+08	2.868853823
60.93383741	0.000	2.40E+08	12.86247308
60.54158784	0.000	-3.66E+08	24.48357008
59.46611802	0.000	-3.67E+08	17.86122985
60.05888704	0.000	-3.51E+08	15.35726477
59.01808208	0.000	-3.55E+08	27.81831095
56.70495219	0.000	-3.59E+08	118.7244309
57.30917329	0.000	-3.40E+08	148.6433325
52.74043241	0.000	-3.58E+08	273.5949796
54.29638676	0.000	-3.63E+08	181.0018853
56.30368118	0.000	-3.62E+08	150.370323
58.45928335	0.000	-3.61E+08	128.986822
53.22114489	0.000	-3.61E+08	157.1427334

52.6306559	0.000	-3.63E+08	95.94696441
54.74174794	0.000	-3.72E+08	106.3077184
53.82505467	0.000	-2.94E+08	172.3197803
53.91675784	0.000	-2.67E+08	109.8975135
53.54470461	0.000	-2.92E+08	114.0547646
53.94081311	0.000	-3.60E+08	112.2429003
54.71829182	0.000	1.84E+09	46.68352966
55.5218698	0.000	6.12E+09	45.86942378
56.3484611	0.000	2.74E+09	37.98757931
55.48485674	0.000	-3.40E+08	176.1772002
55.11532752	0.000	-3.63E+08	189.6435757
56.77884277	0.000	-3.61E+08	129.6115163
54.91457311	0.000	-3.54E+08	129.3412403
53.00704341	0.000	-3.60E+08	168.8518421
53.65435258	0.000	-3.54E+08	129.1029464
55.54155257	0.000	-3.54E+08	136.3674387
57.87671918	0.000	-3.56E+08	91.8599643
56.60611453	0.000	-3.66E+08	133.6204014
54.61798325	0.000	-3.69E+08	175.9338649
54.41049524	0.000	-3.65E+08	142.3462077
56.2057439	0.000	-3.60E+08	106.9593178
57.0447337	0.000	-3.60E+08	37.15075088
57.57363295	0.000	-3.69E+08	78.56531852
56.83094491	0.000	-3.54E+08	106.9518801
54.59493418	0.000	-3.68E+08	192.3085928
55.18522071	0.000	-3.78E+08	148.6263024
56.80429917	0.000	-3.73E+08	103.0799333
57.50649198	0.000	-3.69E+08	47.31143337
57.15129288	0.000	-3.76E+08	64.86653468
58.65873862	0.000	-3.77E+08	55.3915192
59.80747876	0.000	-2.24E+08	50.86927463
59.34981241	0.000	-3.24E+08	49.23705534
61.14017796	0.000	-3.83E+08	38.31490781
61.32052695	0.000	-3.68E+08	37.19158622
60.81463397	0.000	-3.65E+08	109.438824
57.5979097	0.000	-3.71E+08	124.8179412
57.83472304	0.000	-3.59E+08	106.119291
59.64340768	0.000	-2.66E+08	86.26263728
58.7311279	0.000	-3.66E+08	182.0477152
58.36564213	0.000	-3.60E+08	177.8269687
57.75001619	0.000	-3.50E+08	108.4690469
59.76035464	0.000	-3.54E+08	134.3602777
58.02095299	0.000	-3.53E+08	255.1153385
57.80249992	0.000	-3.42E+08	228.069447
59.40455578	0.000	-3.44E+08	173.5965927
59.16896604	0.000	-3.44E+08	186.4399009
58.24765213	0.000	-3.42E+08	171.2851771
57.49217651	0.000	-3.46E+08	266.3144986
57.53391724	0.000	-3.48E+08	196.5808051
59.09159503	0.000	-3.46E+08	117.6532957
58.11321279	0.000	-3.46E+08	153.5409331
58.57843388	0.000	-3.48E+08	102.3887858

61.0363544	0.000	-3.45E+08	108.9305626
61.22735621	0.000	-3.54E+08	168.3890501
60.66405577	0.000	-3.44E+08	333.1721146
60.11304045	0.000	-3.32E+08	226.113835
60.34679559	0.000	-3.35E+08	129.4345411
59.19469289	0.000	-3.26E+08	116.3186328
55.41804337	0.000	-3.26E+08	235.2272306
56.81127699	0.000	-3.42E+08	184.4255233
58.13089884	0.000	-3.44E+08	148.3426998
58.31132927	0.000	-3.38E+08	133.3208232
59.05168234	0.000	-3.30E+08	128.7303875
57.273761	0.000	-3.48E+08	173.8384389
57.11374056	0.000	-3.46E+08	180.8085193
56.91754923	0.000	-3.22E+08	224.1382966
58.14811385	0.000	-3.42E+08	233.7192983
58.34387238	0.000	-3.38E+08	156.5577004
59.45986523	0.000	-3.38E+08	138.3199566
60.09332878	0.000	-3.36E+08	160.5216556
60.6088801	0.000	-3.39E+08	117.5654756
60.03333591	0.000	-3.31E+08	200.3020905
57.64130305	0.000	-2.40E+08	235.6732037
59.47933077	0.000	-3.32E+08	208.6099766
61.27084368	0.000	1.60E+08	110.6944568
61.52682706	0.000	-3.33E+08	84.16700701
62.15956976	0.000	-3.25E+08	101.0340415
61.1937968	0.000	-3.32E+08	187.7390274
60.09097567	0.000	-3.31E+08	370.6916227
59.36579855	0.000	-3.26E+08	266.2301164
59.57543912	0.000	-3.30E+08	181.1695609
60.45282953	0.000	-3.35E+08	153.4289894
59.02879995	0.000	-3.34E+08	208.3476752
60.13761458	0.000	-3.41E+08	154.5944212
60.48510951	0.000	-3.28E+08	132.7691634
60.66597247	0.000	-3.30E+08	158.7147727
60.85410083	0.000	-3.36E+08	176.5364615
60.47695026	0.000	-3.44E+08	223.4038034
61.6767038	0.000	-3.39E+08	175.0407157
60.670336	0.000	-3.35E+08	173.1840607
61.10954094	0.000	-3.28E+08	233.0790025
60.77484582	0.000	-3.49E+08	258.0770003
60.31550662	0.000	-3.44E+08	220.3354448
60.82869812	0.000	-3.35E+08	203.4532865
61.67632807	0.000	-1.71E+08	204.9907006
61.95231293	0.000	-3.24E+08	168.2948875
62.50323047	0.000	-3.05E+08	216.548104
62.24697807	0.000	-2.95E+08	193.1825377
60.78625077	0.000	-2.93E+08	264.5122622
59.89007135	0.000	-2.85E+08	317.8488808
60.66770482	0.000	-2.10E+08	236.5339242
62.36034651	0.000	-2.87E+08	301.9070193
62.84192685	0.000	-3.05E+08	172.9277292
62.30090779	0.000	-3.10E+08	184.4922833

60.66390287	0.000	-3.08E+08	268.1728636
61.33370627	0.000	-3.12E+08	214.8528564
62.87918876	0.000	-3.10E+08	194.1989655
63.11494967	0.000	-3.10E+08	165.015857
61.9999685	0.000	-1.91E+08	201.4850449
61.26600654	0.000	-3.08E+08	258.1136008
59.70501421	0.000	-3.05E+08	221.2737895
60.845369	0.000	-3.14E+08	186.784807
61.45201159	0.000	-3.01E+08	257.6717298
60.79595975	0.000	-2.98E+08	167.8953804
60.78105816	0.000	9.80E+08	162.8592676
61.25934501	0.000	2.44E+08	191.1612862
60.6053703	0.000	-3.18E+08	189.4635088
61.75604411	0.000	-3.08E+08	252.7168432
61.87750562	0.000	-3.05E+08	222.3355507
61.66160628	0.000	-3.00E+08	153.6125038
62.13431198	0.000	-2.97E+08	242.6942824
60.98806644	0.000	-3.07E+08	314.7731555
61.03317547	0.000	-3.20E+08	273.7779248
61.07411477	0.000	-3.10E+08	316.4271775
60.27304002	0.000	-3.06E+08	246.5677657
60.79858968	0.000	-3.14E+08	251.3586865
59.97979886	0.000	-3.16E+08	218.5607603
60.74620729	0.000	-3.11E+08	182.8205488
61.59887337	0.000	-1.80E+08	212.1366521
60.1021591	0.000	-3.14E+08	347.7472066
60.16839082	0.000	-3.11E+08	255.3939274
60.66859935	0.000	-3.12E+08	195.4890591
61.12489181	0.000	-3.12E+08	256.5351128
61.4688856	0.000	-3.12E+08	236.8113354
60.42762851	0.000	-3.07E+08	185.5733996
60.50436035	0.000	-1.61E+08	214.5032896
60.68444562	0.000	-3.10E+08	209.0007105
58.9661866	0.000	-2.95E+08	235.336258
59.73094049	0.000	-2.95E+08	178.8098659
60.64370594	0.000	-3.00E+08	136.0339131
61.06821937	0.000	-2.93E+08	151.4208778
61.83971426	0.000	-2.75E+08	221.2389982
60.98082193	0.000	-2.75E+08	188.3275494
60.34400511	0.000	-2.58E+08	156.4750721
60.45241082	0.000	-2.59E+08	138.2012946
60.65145261	0.000	-2.59E+08	169.2920189
60.61129297	0.000	-2.63E+08	158.446136
61.64194956	0.000	-2.77E+08	158.4249329
59.3776308	0.000	-2.60E+08	263.1389521
58.5203422	0.000	-2.63E+08	261.7622396
59.35241006	0.000	-2.61E+08	194.7226934
60.49405777	0.000	-2.50E+08	158.4638664
59.82297394	0.000	-2.45E+08	170.1782915
60.61484409	0.000	-1.17E+08	122.1231996
61.51212926	0.000	-2.41E+08	115.7918426
61.87539066	0.000	-2.32E+08	161.5240996

62.35417769	0.000	-1.61E+08	170.4769016
61.42576838	0.000	-2.33E+08	175.1872453
60.3742304	0.000	-2.18E+08	289.9504253
59.99612821	0.000	-1.50E+08	260.9239065
60.03792809	0.000	-1.16E+08	228.3638338
61.06247309	0.000	-5.87E+07	181.4814573
60.96448543	0.000	-1.11E+07	243.4063867
59.53301553	0.000	2.62E+08	275.7516419
59.83722264	0.000	1.00E+08	216.6552726
61.48992067	0.000	1.22E+08	143.1312711
61.40429053	0.000	1.50E+08	172.7206385
59.63475977	0.000	1.91E+08	232.4046041
59.74862653	0.000	2.42E+08	222.9626755
60.84898348	0.000	2.89E+08	192.7852178
60.23370697	0.000	3.10E+08	191.4765047
60.26538206	0.000	3.60E+08	162.2403037
59.39179455	0.000	4.12E+08	147.369352
59.85450648	0.000	4.46E+08	154.1016466
60.44901364	0.000	4.82E+08	284.9651949
59.01563775	0.000	5.52E+08	290.4222646
57.28287424	0.000	5.87E+08	399.0668924
56.63930988	0.000	6.19E+08	330.603832
57.8668296	0.000	6.46E+08	274.6982059
58.842711	0.000	6.97E+08	183.8584161
58.43702976	0.000	7.53E+08	210.1021088
58.85762448	0.000	1.17E+09	165.6105167
57.71307446	0.000	1.19E+09	285.1450908
56.62310548	0.000	9.41E+08	275.4724163
56.99009593	0.000	8.90E+08	248.2795309
57.85676839	0.000	9.16E+08	235.2653757
58.06514569	0.000	9.34E+08	154.8956184
58.22784185	0.000	1.05E+09	132.2844458
58.76236689	0.000	1.12E+09	130.5074936
58.79052706	0.000	1.12E+09	127.8479692
58.11163661	0.000	1.13E+09	243.0199407
58.03286402	0.000	1.31E+09	203.9744482
57.9445124	0.000	1.16E+09	194.5192183
59.14927991	0.000	1.16E+09	175.7204542
58.22241765	0.000	1.25E+09	160.9000585
58.66949379	0.000	1.31E+09	179.8756138
59.70139783	0.000	1.31E+09	120.8093652
60.73829448	0.000	1.32E+09	100.3862636
60.48125807	0.000	1.34E+09	130.016303
59.79398389	0.000	1.38E+09	109.8545573
60.20758518	0.000	1.44E+09	92.53341685
59.47729457	0.000	1.51E+09	84.28867885
60.15419995	0.000	1.52E+09	57.56505513
59.92138766	0.000	1.53E+09	111.5464637
59.1993887	0.000	1.54E+09	196.5285867
57.22823752	0.000	1.60E+09	203.9935509
58.02434347	0.000	1.94E+09	169.0569928
58.52675265	0.000	1.83E+09	237.6403375

55.38684136	0.000	2.32E+09	279.2014781
55.33771865	0.000	3.05E+09	211.9384294
56.87875873	0.000	3.04E+09	147.7833734
57.9889501	0.000	3.05E+09	115.4229522
58.26944605	0.000	3.06E+09	102.9346181
57.18813428	0.000	3.06E+09	173.5853032
56.74049453	0.000	3.08E+09	280.85126
55.32280255	0.000	3.13E+09	475.9065766
53.94453665	0.000	5.71E+09	231.2269812
55.73784304	0.000	6.16E+09	276.4512017
53.76943664	0.000	6.17E+09	217.6342692
54.63288981	0.000	6.16E+09	173.3587559
56.77964293	0.000	6.15E+09	106.8136857
56.81096276	0.000	6.15E+09	85.78910978
57.23217552	0.000	6.16E+09	117.8616176
57.40301162	0.000	6.16E+09	104.6109648
57.00617787	0.000	6.17E+09	104.6450141
57.88511301	0.000	6.16E+09	126.3149792
56.69976848	0.000	6.50E+09	173.2770187
54.43576814	0.000	6.28E+09	152.7165256
54.00936801	0.000	6.16E+09	246.7904282
54.19946372	0.000	6.17E+09	155.5315685
56.26188117	0.000	6.16E+09	151.9802635
55.45860709	0.000	6.16E+09	253.4449184
54.57397771	0.000	6.16E+09	146.9597905
53.25024181	0.000	6.16E+09	181.733248
53.26398053	0.000	6.16E+09	156.0522409
55.17758488	0.000	6.16E+09	120.3975789
56.01799404	0.000	6.17E+09	104.455647
55.23832521	0.000	6.17E+09	189.9301643
53.59702913	0.000	6.17E+09	238.1135415
53.30429294	0.000	6.16E+09	124.245474
54.86684096	0.000	6.16E+09	111.1286027
53.73881136	0.000	6.16E+09	96.69572022
55.11786265	0.000	6.16E+09	105.2533656
57.35045678	0.000	6.15E+09	71.13711541
56.8575105	0.000	6.14E+09	180.6673899
57.61912132	0.000	6.15E+09	135.8656287
56.62640111	0.000	6.15E+09	76.30010996
56.69912871	0.000	6.15E+09	67.12462006
58.56160725	0.000	6.14E+09	10.77553112
55.67780466	0.000	6.15E+09	139.199251
52.43522141	0.000	6.27E+09	152.4487475
54.04515549	0.000	6.26E+09	177.2022361
55.87749685	0.000	6.28E+09	104.302281
56.35104246	0.000	6.42E+09	79.65741203
55.79424525	0.000	6.43E+09	144.1773246
52.45677324	0.000	6.45E+09	197.877511
53.38606554	0.000	6.46E+09	146.7939904
53.38009668	0.000	6.59E+09	98.77215005
53.37073681	0.000	6.62E+09	128.0013704
53.45163128	0.000	6.64E+09	128.687183

55.03704814	0.000	6.68E+09	118.561479
53.87378734	0.000	6.80E+09	131.8180312
54.93125337	0.000	6.91E+09	102.4875101
56.549156	0.000	6.82E+09	72.81368175
53.31128668	0.000	6.79E+09	159.2291386
53.03650085	0.000	6.86E+09	80.37295176
54.34403402	0.000	6.94E+09	63.24277746
53.31930955	0.000	6.97E+09	70.82771261
57.30763392	0.000	6.99E+09	33.54898055
55.32954621	0.000	7.01E+09	50.82882031
53.45904053	0.000	7.02E+09	92.92062113
54.48732457	0.000	7.06E+09	37.94022085
56.45995741	0.000	7.19E+09	7.721623041
58.33601259	0.000	7.19E+09	3.587327899
55.18215325	0.000	7.19E+09	147.3820921
50.65046839	0.000	7.21E+09	126.2610987
51.30436458	0.000	7.23E+09	104.3889227
51.13252456	0.000	7.36E+09	141.7952806
51.46818874	0.000	7.36E+09	78.41117428
53.52297071	0.000	7.38E+09	56.56981707
58.12326624	0.000	7.40E+09	0.950763359
54.98199699	0.000	7.42E+09	91.87471888
51.65136551	0.000	7.43E+09	99.7003465
52.4966995	0.000	7.53E+09	66.54811295
52.75823467	0.000	7.39E+09	59.64602891
52.45524894	0.000	7.61E+09	110.1081655
52.4876979	0.000	7.63E+09	72.85652868
54.5818151	0.000	7.64E+09	59.62680305
52.29900214	0.000	7.76E+09	100.1170855
50.72985923	0.000	7.44E+09	140.2986375
51.68518183	0.000	6.44E+09	70.07827396
52.92779574	0.000	6.18E+09	57.70501517
52.93904225	0.000	6.16E+09	59.39241373
53.06068886	0.000	5.93E+09	42.0458668
52.33435454	0.000	5.26E+09	83.84642892
51.92534571	0.000	2.84E+09	87.99686658
54.10426092	0.000	1.85E+09	64.20322735
56.56599277	0.000	1.80E+09	4.823094429
54.80743388	0.000	1.83E+09	90.17342575
53.79506355	0.000	1.72E+09	117.0740319
53.89569325	0.000	1.75E+09	81.85199842
54.79192108	0.000	1.75E+09	41.68234464
53.63030667	0.000	1.77E+09	131.274259
49.86138193	0.000	1.79E+09	151.481017
51.11153029	0.000	1.82E+09	134.6737913
52.89154317	0.000	2.06E+09	86.04447741
50.87569729	0.000	2.06E+09	128.5386782
50.87982388	0.000	2.07E+09	88.03964971
53.35919048	0.000	2.08E+09	81.71190671
54.91255896	0.000	2.10E+09	51.57421019
53.89607483	0.000	2.24E+09	30.7048134
55.66594953	0.000	2.24E+09	5.953557783

54.39875337	0.000	2.25E+09	110.3320948
52.06637051	0.000	2.26E+09	91.67333515
54.10770852	0.000	2.27E+09	114.9696463
54.61394534	0.000	2.28E+09	50.71915955
55.12609539	0.000	2.38E+09	41.59768392
56.31271037	0.000	2.44E+09	37.63838617
56.51980511	0.000	2.45E+09	22.45302834
55.99092966	0.000	2.45E+09	9.311785208
53.88532959	0.000	2.45E+09	74.96231545
53.39615539	0.000	2.48E+09	60.68674836
53.09779345	0.000	2.58E+09	73.6523969
52.32730938	0.000	2.65E+09	101.0414939
51.3967779	0.000	2.65E+09	146.2943778
53.88377993	0.000	2.65E+09	95.07066086
55.9074398	0.000	3.05E+09	76.35381815
51.86982486	0.000	2.66E+09	213.9729123
49.89870729	0.000	2.68E+09	210.4379755
52.3693189	0.000	2.76E+09	116.5440119
53.41333675	0.000	2.79E+09	46.11673983
56.51535975	0.000	2.80E+09	3.943892032
58.31496197	0.000	2.80E+09	9.135830603
54.95104176	0.000	2.81E+09	52.93814273
56.91405691	0.000	2.82E+09	69.89912517
52.86744129	0.000	2.82E+09	156.6166969
52.42219448	0.000	2.83E+09	72.09421007
53.36761202	0.000	2.84E+09	73.65578501
51.88966818	0.000	2.85E+09	92.51497081
52.1718336	0.000	2.93E+09	121.0188769
54.47325584	0.000	3.02E+09	84.520263
56.34019017	0.000	3.02E+09	53.20178763
57.84318266	0.000	3.04E+09	4.965403443
56.6287341	0.000	3.05E+09	7.550881263
56.09142096	0.000	3.06E+09	67.08509149
55.21569998	0.000	3.06E+09	75.42939002
55.71952735	0.000	3.07E+09	97.71017649
56.37410207	0.000	3.16E+09	87.21975849
53.32463592	0.000	3.22E+09	107.3696696
52.82627049	0.000	3.20E+09	117.0925323
53.2334794	0.000	3.21E+09	134.7057267
53.23027167	0.000	3.22E+09	177.6043908
53.01621925	0.000	3.30E+09	130.2910507
52.4631413	0.000	3.23E+09	86.95220935
52.03776784	0.000	3.31E+09	108.7278096
53.47309251	0.000	3.43E+09	134.7943212
53.69637748	0.000	3.40E+09	87.05639703
54.8608878	0.000	3.40E+09	71.21835464
55.62495947	0.000	3.40E+09	36.2187201
55.78075504	0.000	3.46E+09	123.4310487
56.06491937	0.000	5.75E+09	73.8378145
57.07168187	0.000	6.09E+09	41.00197621
57.10850517	0.000	6.08E+09	17.76050185
54.99504658	0.000	6.09E+09	41.86304846

57.66212179	0.000	6.09E+09	98.45684646
55.88580415	0.000	6.09E+09	80.47723573
55.71338499	0.000	6.09E+09	79.47971829
59.05590698	0.000	6.09E+09	21.50283629
60.48459786	0.000	6.09E+09	24.85624582
56.05682196	0.000	6.09E+09	48.27583798
53.83745252	0.000	6.09E+09	185.0926679
53.8552572	0.000	6.10E+09	141.6647659
55.16025827	0.000	6.10E+09	149.6529984
55.04693675	0.000	6.09E+09	134.9266682
54.88162281	0.000	6.09E+09	120.033886
56.12183207	0.000	6.09E+09	115.5059157
57.01162905	0.000	6.09E+09	79.61888719
57.90101776	0.000	6.09E+09	42.68873667
59.38617254	0.000	6.09E+09	36.43826196
60.71313528	0.000	6.09E+09	48.42439408
60.95425521	0.000	6.09E+09	28.72982327
59.93706846	0.000	6.09E+09	144.6826243
56.64580214	0.000	6.09E+09	181.1778248
56.59319075	0.000	6.09E+09	223.3343798
55.29353166	0.000	6.09E+09	126.8615689
54.94720274	0.000	6.09E+09	120.5952796
56.67808505	0.000	6.09E+09	66.5117976
58.84467597	0.000	6.10E+09	82.61185935
59.78809156	0.000	6.17E+09	93.48819324
56.94840126	0.000	6.09E+09	164.6669473
55.29292763	0.000	6.09E+09	188.398758
54.76192762	0.000	6.10E+09	163.7754898
55.37791304	0.000	6.10E+09	164.2131648
56.30907897	0.000	6.10E+09	200.1836895
56.80509253	0.000	6.10E+09	142.7379725
57.98014473	0.000	6.11E+09	156.836532
57.83706881	0.000	6.11E+09	125.7664273
58.08004375	0.000	6.10E+09	98.14138499
59.3278598	0.000	6.10E+09	74.40543014
59.00471565	0.000	6.09E+09	48.74388137
57.93340659	0.000	6.09E+09	57.87983002
59.63433274	0.000	6.10E+09	47.24903037
60.00529601	0.000	6.10E+09	64.03452933
58.89919725	0.000	6.08E+09	181.1100088
58.61333973	0.000	6.10E+09	206.4693645
57.85512077	0.000	6.10E+09	149.7505043
58.82344365	0.000	6.10E+09	132.6983913
59.71781698	0.000	6.09E+09	65.04318689
58.38801478	0.000	6.08E+09	141.9699919
58.4787734	0.000	6.08E+09	118.0774626
57.88111477	0.000	6.07E+09	108.5138048
59.33250322	0.000	6.08E+09	104.2234994
58.72518467	0.000	6.08E+09	152.2418339
60.88621322	0.000	6.10E+09	109.3128339
61.32631918	0.000	6.09E+09	87.37550391
60.49402934	0.000	6.09E+09	92.61548844

60.39565152	0.000	4.97E+09	99.3901843
60.0176093	0.000	4.53E+09	156.9230289
60.71902713	0.000	3.88E+09	93.48937742
59.51069802	0.000	2.20E+09	189.91965
56.15494498	0.000	4.94E+08	259.7304306
56.48537375	0.000	-3.68E+06	200.119184
59.11978691	0.000	-2.87E+08	154.5563696
60.06493967	0.000	-3.24E+08	131.1116999
60.76825386	0.000	-3.30E+08	116.3104891
60.55684303	0.000	-3.22E+08	147.6663717
61.56543919	0.000	-3.24E+08	106.0214061
61.80820436	0.000	-3.29E+08	111.5461931
62.05035088	0.000	-3.25E+08	107.5923713
61.92509608	0.000	-3.39E+08	98.60724513
62.09821132	0.000	-3.56E+08	115.8525404
62.72135457	0.000	-3.41E+08	156.7535409
62.94040371	0.000	-3.67E+08	136.1370841
61.81953556	0.000	-3.78E+08	147.0218922
60.74095789	0.000	-3.26E+08	148.9609816
60.53292437	0.000	-3.54E+08	131.369521
60.23001485	0.000	-3.50E+08	377.0787072
58.16693039	0.000	-3.39E+08	341.0152032
58.15414231	0.000	-3.38E+08	293.2078402
58.42793198	0.000	-3.42E+08	285.6712167
59.07210662	0.000	-3.45E+08	242.5003336
60.54495681	0.000	-3.36E+08	222.531497
61.3201511	0.000	-3.46E+08	250.3760113
61.54353096	0.000	-2.60E+08	264.7318734
61.36651861	0.000	-2.81E+08	245.8057289
61.20383099	0.000	1.65E+08	339.4121658
60.97613339	0.000	-3.86E+08	219.8532003
62.4218536	0.000	-3.95E+08	198.9027273
62.44833288	0.000	-4.03E+08	173.663177
61.55795999	0.000	-3.99E+08	142.9078206
59.86397041	0.000	-2.93E+08	185.3913785
59.33888382	0.000	-3.51E+08	195.2400478
60.74077087	0.000	-3.46E+08	133.8823845
61.43418203	0.000	-3.40E+08	149.507472
60.03080866	0.000	-3.58E+08	160.7660996
58.45490329	0.000	-3.74E+08	288.904138
59.22525516	0.000	-3.76E+08	290.5864429
59.26665037	0.000	-3.63E+08	264.2705077
59.7338476	0.000	-3.63E+08	209.6055569
60.68518993	0.000	-3.68E+08	183.4310075
61.30038107	0.000	-3.73E+08	181.4427732
62.62761932	0.000	-3.69E+08	122.8636905
63.05575868	0.000	-3.64E+08	132.8760033
61.7050483	0.000	-3.65E+08	160.7544593
61.2550877	0.000	-3.73E+08	168.4967913
61.70560288	0.000	-3.67E+08	154.8222488
60.34365911	0.000	-3.69E+08	202.0776704
61.09248365	0.000	-3.36E+08	123.656533

61.90846342	0.000	-3.62E+08	165.3355282
62.59128132	0.000	-3.65E+08	179.0027641
63.37632872	0.000	-3.59E+08	219.0489131
62.04361477	0.000	-2.50E+08	235.3721377
61.08379133	0.000	-1.29E+08	205.055738
61.56414861	0.000	5.42E+09	209.965925
61.59632443	0.000	6.12E+09	242.3416244
61.8334559	0.000	2.23E+09	221.9583057
61.01973341	0.000	-3.36E+08	233.1127122
61.10410694	0.000	3.39E+07	248.0206414
61.17752772	0.000	4.46E+09	210.027893
61.54280642	0.000	5.54E+09	244.692293
62.37504652	0.000	6.20E+09	293.7084515
61.49691824	0.000	6.36E+09	260.6578833
62.22376864	0.000	6.54E+09	149.1881397
62.69387901	0.000	6.33E+09	165.4209022
63.15540953	0.000	6.26E+09	169.7200866
63.61528819	0.000	6.26E+09	198.5070306
62.57254633	0.000	6.28E+09	242.6541814
61.14529009	0.000	6.19E+09	193.4067616
60.9084732	0.000	6.15E+09	195.6650464
59.57610594	0.000	6.14E+09	289.8481798
60.69078489	0.000	6.16E+09	296.3534427
59.08964643	0.000	4.50E+09	307.4764705
59.41460201	0.000	3.70E+09	201.0501764
60.74510398	0.000	4.95E+08	136.5417838
61.15267111	0.000	-4.26E+07	167.6471868
62.02081395	0.000	-4.33E+07	209.4455459
61.98936822	0.000	-5.20E+07	142.6452107
62.44452117	0.000	-1.06E+08	207.8071853
61.22189182	0.000	-1.05E+08	287.9108293
60.87438595	0.000	-1.08E+08	250.5074879
60.06677109	0.000	-1.41E+08	206.5350549
60.82936816	0.000	-2.18E+08	177.3487861
61.01780599	0.000	-2.11E+08	219.4182911
61.05591098	0.000	-2.18E+08	215.0644524
60.86939088	0.000	-2.41E+08	265.0500234
60.31822987	0.000	-2.52E+08	201.9585515
60.77291673	0.000	-2.10E+08	189.3181855
60.55588548	0.000	-2.65E+08	182.0016962
60.43595843	0.000	-2.61E+08	240.1787994
61.09284251	0.000	-2.36E+08	157.1447034
61.21933523	0.000	-2.37E+08	226.547473
60.92454656	0.000	-2.35E+08	183.0704353
61.5336925	0.000	-2.21E+08	210.8019243
60.43360232	0.000	-2.14E+08	179.872105
60.59091049	0.000	-2.17E+08	219.390197
60.66090775	0.000	-2.10E+08	214.4810341
61.03794383	0.000	-2.04E+08	179.4075998
60.87809322	0.000	-2.02E+08	194.9044606
60.25178109	0.000	-2.13E+08	267.2446933
59.7565046	0.000	-2.20E+08	248.4795808

61.08131144	0.000	-2.15E+08	171.4057519
61.26012434	0.000	-2.08E+08	156.5374979
61.98501293	0.000	-2.14E+08	170.7682666
62.40514705	0.000	-2.22E+08	176.1226884
62.3854126	0.000	-2.30E+08	195.1325349
59.37039819	0.000	-2.32E+08	345.2344205
58.45169309	0.000	-2.31E+08	331.0012603
59.3449548	0.000	-1.61E+08	232.7687777
60.36890578	0.000	-2.20E+08	257.3507547
60.8599229	0.000	-2.02E+08	163.0048398
59.87905687	0.000	-2.00E+08	171.3954238
59.83623017	0.000	-2.02E+08	191.7715091
60.09141177	0.000	-1.85E+08	192.6167928
60.27275272	0.000	-1.90E+08	201.7383597
60.62242643	0.000	4.40E+09	256.2381711
61.33664182	0.000	6.21E+09	181.5404465
60.30465428	0.000	6.20E+09	229.0404248
60.26037186	0.000	6.21E+09	184.7960889
61.46613714	0.000	6.21E+09	153.6642156
61.11774942	0.000	6.20E+09	128.4711455
62.28910351	0.000	6.24E+09	139.2747055
62.53095753	0.000	6.21E+09	151.1337063
62.2011095	0.000	6.20E+09	217.8383488
59.43501313	0.000	6.21E+09	309.8696802
57.02521424	0.000	6.21E+09	390.3955911
56.94751878	0.000	6.22E+09	327.8292064
57.35571284	0.000	6.21E+09	250.900406
58.91192407	0.000	4.98E+09	202.115185
58.55472089	0.000	4.54E+09	178.5086096
58.89271187	0.000	1.76E+09	172.5431144
58.27922896	0.000	-1.62E+08	253.3138286
56.93571879	0.000	-1.43E+08	224.8499812
56.96682723	0.000	-1.55E+08	239.0501123
58.23655683	0.000	-1.51E+08	236.9070773
58.00967871	0.000	-1.57E+08	197.4314745
58.68745618	0.000	-1.51E+08	174.0367693
58.82115708	0.000	-1.62E+08	114.4678444
58.86620912	0.000	-1.93E+08	141.0517612
59.85370541	0.000	-2.02E+08	121.2159508
59.10855285	0.000	-2.08E+08	129.1472406
57.16342423	0.000	-2.05E+08	266.370185
55.55984748	0.000	-2.03E+08	295.9936626
55.69705266	0.000	-1.92E+08	213.1190932
56.740898	0.000	-1.87E+08	209.1096537
57.76405481	0.000	-1.88E+08	154.1411539
57.06740936	0.000	-1.84E+08	174.2011099
55.41072518	0.000	-1.85E+08	150.988629
55.76189731	0.000	-1.88E+08	200.0211321
55.94231986	0.000	5.21E+09	202.4480819
58.05495187	0.000	4.72E+09	147.3605861
55.88656011	0.000	2.32E+08	261.6311014
54.28234031	0.000	-1.09E+08	241.6675493

56.57994635	0.000	-7.14E+07	149.8834769
58.15595899	0.000	-9.29E+07	169.7253189
55.26066579	0.000	-1.41E+08	239.5011003
54.85227359	0.000	-1.41E+08	152.5702843
56.84049879	0.000	-1.51E+08	105.892608
58.14246811	0.000	-1.61E+08	74.4332966
57.55215465	0.000	-1.59E+08	78.72963575
57.71663223	0.000	-1.58E+08	55.00205841
57.99454842	0.000	-1.52E+08	53.15504755
58.23444563	0.000	-1.63E+08	52.60980448
57.02703959	0.000	-1.59E+08	155.1678616
54.94089435	0.000	-1.59E+08	232.861496
55.18492487	0.000	-1.61E+08	252.0920808
56.31874187	0.000	-1.24E+08	200.5540937
56.69140815	0.000	-1.10E+08	125.309806
58.49573733	0.000	-1.81E+08	132.7111574
55.05815298	0.000	-1.86E+08	182.2448002
53.16940027	0.000	-1.75E+08	277.2745081
51.73894514	0.000	-1.63E+08	220.3259015
52.49953939	0.000	-1.64E+08	139.1892276
53.42771803	0.000	-1.70E+08	123.5278135
52.84506509	0.000	-1.81E+08	243.0655704
52.84084348	0.000	-1.87E+08	276.4257669
52.77073359	0.000	-2.00E+08	195.616919
53.82742311	0.000	-1.85E+08	130.1295934
54.09496712	0.000	-1.48E+08	92.41834823
54.12531341	0.000	-1.85E+08	123.6534258
54.90329461	0.000	-1.82E+08	90.86822924
57.90955574	0.000	-1.77E+08	94.31993074
58.37363258	0.000	-1.83E+08	75.59748773
53.8663333	0.000	-1.87E+08	134.8847429
53.81420642	0.000	-1.94E+08	113.0202447
56.92557997	0.000	-5.87E+07	76.36780677
58.25570965	0.000	-1.82E+08	35.47341764
58.79703845	0.000	-2.05E+08	9.042559165
58.28192626	0.000	-1.70E+08	15.19047592
57.1089701	0.000	-1.70E+08	52.02076949
55.85809839	0.000	-1.63E+08	148.2047793
52.74006828	0.000	-1.76E+08	197.7905013
51.19818245	0.000	4.53E+09	160.2724419
51.49935224	0.000	6.16E+09	128.9045296
54.491421	0.000	6.16E+09	137.2189781
56.61285254	0.000	6.15E+09	92.6777243
58.01758393	0.000	6.15E+09	16.45189481
57.11541492	0.000	6.15E+09	7.948605802
56.16330977	0.000	5.34E+09	25.45097101
57.24714644	0.000	5.19E+09	14.20180171
53.00768024	0.000	4.17E+09	229.017527
51.41269759	0.000	1.83E+09	194.2191695
53.68934276	0.000	-2.28E+08	176.9641395
54.23824333	0.000	-2.40E+08	114.0895236
56.20957767	0.000	-2.32E+08	61.4209898

57.8376453	0.000	-2.20E+08	34.85399793
54.3620485	0.000	3.78E+08	83.76462612
53.79282318	0.000	1.34E+08	80.00105874
54.66344138	0.000	-2.58E+08	71.31947552
57.64318845	0.000	-2.38E+08	44.01099964
57.03655257	0.000	-2.57E+08	66.05895406
53.07356661	0.000	-2.58E+08	207.570102
51.48228544	0.000	-2.56E+08	193.888279
53.64966198	0.000	-2.10E+08	168.6211837
52.75174692	0.000	-2.66E+08	163.3477632
50.50422905	0.000	-2.62E+08	208.1295622
51.71413424	0.000	-2.71E+08	125.5425974
54.60856903	0.000	-2.84E+08	137.3513646
52.36161313	0.000	-2.55E+08	95.45494199
54.22290041	0.000	-2.73E+08	68.68422106
53.23765456	0.000	-2.73E+08	105.3367936
52.20878789	0.000	-2.73E+08	86.86234996
51.76989324	0.000	-2.71E+08	74.94587577
52.74423139	0.000	-2.60E+08	85.60704242
52.2023644	0.000	-2.63E+08	78.08875755
53.73228695	0.000	-2.63E+08	38.64186472
53.81638869	0.000	-2.61E+08	90.52865112
52.33374702	0.000	-2.49E+08	111.9068887
53.14476339	0.000	-2.70E+08	80.61530118
53.55351032	0.000	-7.82E+08	44.20202807
55.51665674	0.000	-2.73E+08	19.56730347
54.67657378	0.000	-2.71E+08	43.35314606
54.46192896	0.000	-2.83E+08	84.47275345
52.69953876	0.000	-2.71E+08	59.98338312
52.20814386	0.000	-2.26E+08	73.66805579
52.40637366	0.000	-2.65E+08	68.15470671
54.24708016	0.000	2.62E+09	44.92157434
53.70706158	0.000	6.13E+09	50.58041253
53.11407879	0.000	5.49E+09	107.6734424
53.56533107	0.000	6.48E+08	83.65444603
55.64450557	0.000	-2.77E+08	29.56557908
56.3416447	0.000	-2.75E+08	87.60354828
51.63789332	0.000	-2.61E+08	152.5416539
50.08680768	0.000	-2.59E+08	215.5981895
52.7708334	0.000	-2.60E+08	157.6124548
53.19810109	0.000	-2.65E+08	127.9474444
49.55282657	0.000	-2.55E+08	136.0710849
51.22322209	0.000	-2.72E+08	123.0843642
53.70329473	0.000	-2.15E+08	85.89785286
52.93240759	0.000	-2.77E+08	61.91167369
54.12015129	0.000	-2.74E+08	30.63409623
53.37040637	0.000	-2.69E+08	170.8447028
51.41504888	0.000	-2.68E+08	105.473846
51.45519368	0.000	-2.72E+08	97.22815054
52.03833066	0.000	-2.66E+08	68.00197638
53.5654444	0.000	-2.67E+08	39.64191689
52.08176967	0.000	-2.60E+08	51.05614094

52.9985183	0.000	-2.64E+08	41.55023175
53.83304582	0.000	-2.74E+08	64.16178257
52.60106917	0.000	-2.69E+08	127.2921044
51.9492139	0.000	-2.63E+08	108.3217714
53.0588118	0.000	-2.60E+08	71.10021964
54.37391334	0.000	-2.65E+08	60.98124109
52.80812109	0.000	-2.69E+08	98.94642292
51.96795391	0.000	-2.73E+08	97.43597213
52.03408655	0.000	-2.66E+08	74.36249067
51.69518495	0.000	-2.62E+08	73.04002435
51.32860154	0.000	-2.66E+08	109.2815008
50.97515552	0.000	-2.78E+08	89.57533042
54.02748175	0.000	-1.97E+08	62.67005827
52.14050296	0.000	-2.52E+08	117.9639739
51.15722919	0.000	-2.73E+08	64.26973885
53.58070759	0.000	-2.79E+08	42.06641752
54.63302706	0.000	-2.54E+08	10.41755831
56.08343624	0.000	-2.63E+08	17.96708914
53.15870644	0.000	-2.71E+08	54.0998323
53.31203364	0.000	-2.04E+08	34.93801954
55.85488656	0.000	-2.50E+08	14.11709122
55.04240856	0.000	-2.50E+08	68.92284189
55.31530862	0.000	-2.40E+08	63.1764666
55.81887275	0.000	-2.44E+08	55.05029025
55.43018354	0.000	-2.22E+08	19.65627047
54.53328188	0.000	-2.19E+08	24.18290304
53.16933653	0.000	-2.38E+08	56.75045039
53.26050832	0.000	-2.34E+08	60.53425164
54.0485699	0.000	-2.38E+08	85.36029581
56.0704949	0.000	1.14E+09	97.82887128
54.26724019	0.000	6.19E+09	157.0137402
54.68678228	0.000	6.19E+09	126.2470425
57.07410935	0.000	6.20E+09	58.26658224
56.08015531	0.000	6.20E+09	51.37010483
53.61165647	0.000	6.19E+09	52.48923931
54.76132875	0.000	6.19E+09	24.9811691
55.48652374	0.000	6.18E+09	14.85259737
57.27487321	0.000	6.18E+09	7.231557371
57.2435991	0.000	6.17E+09	30.90838517
57.04421896	0.000	6.18E+09	43.75026532
56.98249759	0.000	6.18E+09	36.41440791
53.65570759	0.000	6.18E+09	226.0659103
53.07183648	0.000	6.18E+09	182.5561829
52.84649022	0.000	6.19E+09	172.0366417
52.4822073	0.000	6.18E+09	159.9457038
52.4501621	0.000	6.19E+09	134.0548632
51.19144625	0.000	6.18E+09	194.0112282
55.36938743	0.000	6.21E+09	135.2364928
54.58799174	0.000	6.18E+09	90.81851575
53.99417803	0.000	6.18E+09	82.07387193
52.77093785	0.000	6.18E+09	106.9684405
52.72012964	0.000	6.19E+09	131.6752308

52.98634964	0.000	6.21E+09	106.9533564
53.26168696	0.000	6.24E+09	176.1721311
52.7395409	0.000	6.27E+09	105.9655218
54.54071274	0.000	6.37E+09	115.9367991
54.39937132	0.000	6.44E+09	53.80437168
54.72842032	0.000	6.46E+09	131.5319006
54.68420755	0.000	6.48E+09	147.618354
56.05831921	0.000	6.50E+09	113.0398241
57.07382052	0.000	6.52E+09	71.16406934
55.41513988	0.000	6.64E+09	97.02799415
54.81609064	0.000	6.64E+09	102.0376443
53.21422811	0.000	6.66E+09	193.7546922
53.46945088	0.000	6.69E+09	191.4653071
52.45200396	0.000	6.71E+09	110.0697519
54.15524439	0.000	1.15E+10	152.410679
55.09691261	0.000	1.10E+10	111.797717
57.44376242	0.000	7.44E+09	79.14129175
57.54342945	0.000	7.06E+09	57.93506498
57.95376749	0.000	6.96E+09	52.220393
60.21280875	0.000	6.97E+09	40.09217853
60.61830729	0.000	6.97E+09	41.50986437
59.0330456	0.000	6.98E+09	46.17925215
54.70020673	0.000	6.99E+09	223.7826558
55.25523129	0.000	7.01E+09	111.7226716
56.10588075	0.000	7.20E+09	117.776352
57.47391602	0.000	7.18E+09	60.57780611
60.32302172	0.000	7.20E+09	34.29230925
59.28786362	0.000	7.21E+09	41.78122559
56.26470654	0.000	7.22E+09	76.38661541
57.62267745	0.000	7.28E+09	51.16196105
58.97289793	0.000	7.51E+09	26.20818773
59.0698698	0.000	7.47E+09	52.42422316
59.30043177	0.000	7.49E+09	81.93984396
58.8672455	0.000	7.50E+09	92.81852526
57.02021996	0.000	7.53E+09	118.7303613
54.79967828	0.000	7.54E+09	168.261995
55.17575945	0.000	7.57E+09	145.9653473
55.18862075	0.000	7.59E+09	173.4878743
55.47851905	0.000	7.60E+09	156.0979433
56.20536362	0.000	7.61E+09	151.4119841
56.83888851	0.000	7.71E+09	113.8871028
60.27583523	0.000	7.96E+09	141.580869
60.22910373	0.000	1.00E+10	112.0718892
57.32571732	0.000	1.26E+10	245.175868
55.37988963	0.000	1.26E+10	167.7331058
55.4642049	0.000	1.26E+10	269.1391692
54.24090365	0.000	1.26E+10	270.8800277
55.77612105	0.000	1.26E+10	124.4559243
56.44766786	0.000	1.26E+10	133.2729936
57.1694917	0.000	1.26E+10	121.8916877
58.26677342	0.000	1.22E+10	99.19762133
57.24872287	0.000	1.07E+10	113.0000521

58.27600133	0.000	1.07E+10	67.60126623
59.02077478	0.000	1.04E+10	71.55318312
58.21635618	0.000	7.31E+09	65.34067059
58.2081323	0.000	6.48E+09	62.28333462
58.49598083	0.000	6.44E+09	78.72931567
59.09267823	0.000	6.45E+09	66.53680383
57.6880444	0.000	6.49E+09	176.7172533
56.73142192	0.000	6.45E+09	223.872694
57.5281323	0.000	6.42E+09	183.9932927
58.75118746	0.000	6.43E+09	108.6086843
59.80588933	0.000	6.43E+09	82.9791616
59.65387296	0.000	6.42E+09	125.6473175
55.82865009	0.000	6.42E+09	256.5826205
55.55892953	0.000	6.42E+09	197.1889647
56.26065483	0.000	6.43E+09	153.9290717
57.11024225	0.000	6.43E+09	166.6706327
57.51907847	0.000	6.43E+09	177.1219111
57.44551695	0.000	6.44E+09	133.7368671
58.64574064	0.000	6.43E+09	93.58098882
58.43700211	0.000	6.44E+09	180.1355611
58.14981666	0.000	6.58E+09	143.5045949
58.42678596	0.000	6.73E+09	135.8199846
57.57853458	0.000	6.50E+09	135.6081545
58.86504904	0.000	6.45E+09	85.49063023
60.27935054	0.000	6.44E+09	76.62090443
61.04711805	0.000	6.44E+09	67.31523757
61.80016621	0.000	6.44E+09	63.03951977
59.58011773	0.000	6.44E+09	104.2898775
59.60253351	0.000	6.44E+09	168.536934
59.39656779	0.000	6.68E+09	157.3430552
59.21325828	0.000	6.44E+09	173.1667417
59.4273324	0.000	6.44E+09	148.6295054
59.64110468	0.000	6.44E+09	138.8220953
60.93594075	0.000	6.44E+09	119.5027061
59.6879654	0.000	6.65E+09	197.9417122
59.25387777	0.000	6.77E+09	246.3090488
59.77877006	0.000	6.76E+09	207.2135305
59.73392038	0.000	6.70E+09	177.8837803
59.78286403	0.000	6.44E+09	142.0642543
57.6187036	0.000	6.43E+09	292.8674925
57.51226765	0.000	6.42E+09	276.3899677
58.84518545	0.000	6.41E+09	245.3252437
59.81928003	0.000	6.41E+09	173.9222037
59.62484664	0.000	6.44E+09	102.8296466
59.32128427	0.000	6.43E+09	121.4699128
60.24882401	0.000	6.44E+09	155.3994799
59.93713899	0.000	6.44E+09	185.8849357
60.33855048	0.000	6.43E+09	164.0818465
61.12374188	0.000	6.43E+09	164.2799891
60.99697742	0.000	5.59E+09	131.932776
60.10753679	0.000	4.74E+09	140.7869311
59.88027453	0.000	3.25E+09	200.1617466

60.42838012	0.000	1.46E+09	124.5248497
60.82861696	0.000	2.88E+08	165.6967986
60.15679273	0.000	3.99E+07	141.1726056
59.8252756	0.000	-1.67E+06	263.54567
60.65405754	0.000	5.71E+06	220.4038211
62.66091267	0.000	1.31E+07	138.6222391
63.23486841	0.000	5.04E+06	129.5299004
62.88300441	0.000	-9.05E+06	128.7347258
62.76808629	0.000	-1.71E+07	151.9644537
63.01720724	0.000	-1.71E+07	235.5524945
62.98978547	0.000	1.64E+07	219.7568981
62.63624231	0.000	-2.92E+07	285.5524969
61.37322042	0.000	-2.72E+07	188.5740338
61.86376999	0.000	-1.17E+07	244.1605444
60.79550882	0.000	-1.71E+07	217.0273473
60.73209146	0.000	-1.04E+07	194.3094224
61.30209138	0.000	-1.67E+06	195.8195585
61.67384474	0.000	-1.37E+07	231.1376135
60.30934557	0.000	-2.34E+06	193.0577232
60.6171023	0.000	1.91E+07	212.299613
60.07839739	0.000	1.51E+07	213.7655511
60.31141209	0.000	7.05E+06	199.8011268
60.37605081	0.000	-3.28E+05	193.5827068
61.01597781	0.000	2.36E+06	180.3310039
60.41175816	0.000	1.08E+08	265.5907687
60.83634668	0.000	5.93E+09	195.6941371
61.31191867	0.000	6.45E+09	197.6391308
61.35937203	0.000	5.66E+09	245.7976123
59.64652075	0.000	3.92E+08	342.421181
59.58197981	0.000	2.65E+07	240.7269059
60.49217227	0.000	3.39E+07	198.8071723
60.46539852	0.000	2.31E+07	199.2257431
59.88288774	0.000	2.92E+07	259.2591894
59.42454565	0.000	6.54E+07	220.3730011
60.07489411	0.000	2.25E+07	224.1115721
60.67770696	0.000	9.73E+06	207.9437449
61.20093148	0.000	1.11E+08	189.7616952
61.40942869	0.000	8.49E+07	163.3321866
61.50885665	0.000	4.80E+07	202.2397596
60.3561593	0.000	4.73E+07	227.778738
58.64779968	0.000	2.92E+07	251.5094935
58.69433521	0.000	4.73E+07	264.5691852
58.28467593	0.000	4.93E+07	258.8710428
58.28530969	0.000	4.66E+07	195.4664303
58.91793744	0.000	4.59E+07	152.2220906
60.09209016	0.000	3.86E+07	123.4583804
60.4582582	0.000	2.99E+07	162.4160917
59.65989157	0.000	4.59E+07	217.1175233
59.54578432	0.000	5.47E+07	192.5865137
59.48106426	0.000	4.46E+07	157.319482
59.54810834	0.000	4.19E+07	150.0285659
60.2391901	0.000	3.79E+07	129.6978607

61.09111458	0.000	4.19E+07	123.0829042
61.39066872	0.000	4.80E+07	123.0731548
61.00327389	0.000	4.93E+07	143.845057
60.39920706	0.000	4.86E+07	264.2962748
59.3923808	0.000	3.99E+07	290.7272532
59.18007854	0.000	5.00E+07	240.4426002
60.47112805	0.000	5.80E+07	198.1673703
59.85968959	0.000	1.67E+08	232.3389926
60.16686337	0.000	1.76E+08	208.5524728
60.56105847	0.000	1.57E+08	179.7430967
60.60152974	0.000	6.47E+07	108.0028543
60.18284973	0.000	7.61E+07	120.3119632
60.08584703	0.000	8.08E+07	127.0498159
60.04940208	0.000	8.69E+07	127.2044352
60.38877601	0.000	8.02E+07	114.2365308
61.06156649	0.000	7.68E+07	117.3042727
60.93756225	0.000	8.49E+07	170.4450957
59.03840885	0.000	8.28E+07	245.8267636
57.76460801	0.000	8.08E+07	249.3602943
57.86549364	0.000	8.08E+07	244.9900491
57.88469017	0.000	9.36E+07	228.3449467
58.36714083	0.000	8.42E+07	185.959833
58.89693218	0.000	1.30E+08	132.9404557
59.90645471	0.000	1.15E+08	140.5530108
60.72150981	0.000	1.08E+08	165.773555
59.86637024	0.000	1.17E+08	182.2917962
59.30029466	0.000	1.14E+08	208.920981
60.02555867	0.000	1.11E+08	117.4221722
61.35971113	0.000	1.16E+08	102.9909386
58.08946558	0.000	5.89E+08	406.9834549
56.68292958	0.000	2.55E+08	418.0217878
56.05711357	0.000	1.18E+08	350.7537946
58.33404074	0.000	1.22E+08	139.9229228
59.86087943	0.000	1.18E+08	80.55337862
58.34844779	0.000	5.34E+08	165.7487339
57.19291321	0.000	5.15E+08	318.6781919
55.54744009	0.000	5.12E+08	320.4628459
55.33829825	0.000	1.30E+08	233.4227042
56.06506791	0.000	1.12E+08	212.8500277
57.41155079	0.000	8.49E+07	185.8844925
56.26131557	0.000	1.06E+08	150.5986093
56.08001902	0.000	1.07E+08	287.9782034
54.87179771	0.000	2.05E+08	190.2885656
55.6172952	0.000	1.17E+08	154.1539892
57.86935963	0.000	1.06E+08	129.4789877
58.88247299	0.000	1.19E+08	81.10109144
58.12961921	0.000	1.02E+08	126.6460176
56.69627003	0.000	1.02E+08	136.7945933
56.08021257	0.000	4.19E+09	201.0744518
56.86832194	0.000	6.48E+09	169.5178507
57.78600695	0.000	5.04E+09	144.4484466
59.12738766	0.000	7.64E+08	115.1239397

58.93975611	0.000	1.56E+08	124.2226535
55.54917632	0.000	1.59E+08	307.0780669
54.61014602	0.000	4.43E+08	217.1134623
54.17924164	0.000	5.87E+08	297.9645541
53.85105356	0.000	5.50E+08	216.0653558
57.2438838	0.000	4.64E+08	187.0782092
55.06804382	0.000	1.28E+08	153.336073
54.77136488	0.000	1.32E+08	122.5285693
56.9483429	0.000	1.39E+08	145.1344765
55.56270955	0.000	1.42E+08	222.9683245
55.10795115	0.000	2.40E+08	156.0142855
56.38271064	0.000	1.57E+08	122.9621076
55.91273498	0.000	1.39E+08	71.33228175
56.54111372	0.000	1.39E+08	56.02662438
56.17086401	0.000	1.31E+08	72.06698728
55.21188067	0.000	1.41E+08	117.8516704
54.79796251	0.000	1.54E+08	93.49196116
56.45907564	0.000	1.46E+08	75.99503143
57.77895203	0.000	1.45E+08	73.10048102
57.61048446	0.000	1.48E+08	62.55848263
56.15397609	0.000	1.39E+08	85.13304037
54.05870373	0.000	1.41E+08	190.6803058
54.12395404	0.000	1.32E+08	163.149849
53.01984327	0.000	1.31E+08	165.1226103
52.69049593	0.000	1.37E+08	137.668257
53.58113446	0.000	1.41E+08	118.9668695
55.93023117	0.000	1.30E+08	102.8310138
57.16219953	0.000	1.32E+08	64.74231954
55.97058569	0.000	1.26E+08	171.6166326
53.21681523	0.000	1.90E+08	132.1024049
52.4248232	0.000	2.50E+08	167.6091832
51.50391526	0.000	2.68E+08	156.6342776
54.42765564	0.000	3.99E+08	180.7620049
56.28665054	0.000	7.75E+08	78.97631772
53.98063024	0.000	8.38E+08	100.9645139
54.25150215	0.000	4.03E+08	118.3709953
57.20334007	0.000	4.05E+08	43.1589895
58.79299322	0.000	4.42E+08	9.578754406
58.84295783	0.000	5.18E+08	51.05112898
55.9511202	0.000	5.41E+08	90.42911194
56.19009759	0.000	5.58E+08	39.49231354
57.29733956	0.000	6.21E+08	15.18335252
54.61969395	0.000	6.30E+08	120.8582539
54.27691383	0.000	6.50E+08	119.9114371
53.46005494	0.000	7.45E+08	115.991386
52.58743769	0.000	7.35E+08	114.7974407
52.86781611	0.000	7.52E+08	124.1929276
52.63747847	0.000	8.05E+08	142.2807576
53.44636275	0.000	8.31E+08	176.2087883
53.77390478	0.000	8.47E+08	158.9362828
53.05860813	0.000	8.97E+08	249.2399039
52.08644383	0.000	9.29E+08	167.9688661

53.20416176	0.000	9.43E+08	151.5132464
51.56589012	0.000	9.79E+08	132.2260571
51.31366653	0.000	1.03E+09	127.5115078
53.14359709	0.000	1.04E+09	113.790279
52.88613755	0.000	1.06E+09	127.0162374
53.02352871	0.000	1.12E+09	139.4854646
53.3166077	0.000	1.14E+09	126.7838935
52.59911135	0.000	1.16E+09	89.12022168
52.24069285	0.000	1.23E+09	68.41752948
53.5574259	0.000	1.27E+09	42.52553231
55.97467394	0.000	1.31E+09	7.988573666
53.07327555	0.000	1.32E+09	69.00019897
53.2389382	0.000	1.36E+09	47.52305556
54.70044462	0.000	1.38E+09	38.01142892
52.61101038	0.000	1.40E+09	98.89230449
53.72073025	0.000	1.44E+09	53.12667454
55.28376535	0.000	1.48E+09	16.45104664
52.19933325	0.000	1.59E+09	154.0547771
51.47295889	0.000	1.55E+09	136.9196074
53.04904285	0.000	1.58E+09	119.5016189
50.91931541	0.000	1.58E+09	109.0920051
51.52818239	0.000	1.60E+09	78.72431619
53.48851092	0.000	1.70E+09	32.3804938
54.97307612	0.000	1.71E+09	9.247742392
56.77039273	0.000	1.28E+09	6.781944514
55.00514924	0.000	1.73E+09	70.58683395
51.60664494	0.000	1.80E+09	95.44551702
51.96548269	0.000	1.82E+09	55.89486695
55.64707563	0.000	1.82E+09	31.05694912
57.40524144	0.000	1.97E+09	12.43581919
54.19638891	0.000	2.00E+09	65.83669065
53.79150389	0.000	1.97E+09	47.11246555
53.30561096	0.000	1.99E+09	58.99772558
51.96482235	0.000	2.06E+09	114.1984569
51.02528681	0.000	2.06E+09	107.9273131
51.556048	0.000	2.05E+09	65.96584923
52.77361795	0.000	2.22E+09	43.50060923
53.85629007	0.000	2.26E+09	27.53631847
53.2535302	0.000	2.27E+09	65.48262204
53.31845699	0.000	2.36E+09	61.01385926
51.92102687	0.000	2.35E+09	64.19064375
53.28907982	0.000	2.36E+09	68.53385542
52.619226	0.000	2.38E+09	96.08069685
51.73408869	0.000	2.48E+09	106.1682578
51.00826844	0.000	2.48E+09	63.68431131
52.21735581	0.000	2.49E+09	58.31749097
53.9164813	0.000	2.52E+09	28.87057046
53.78083816	0.000	2.59E+09	47.90425798
55.17166902	0.000	2.59E+09	61.71906851
52.90220122	0.000	2.59E+09	104.3927001
51.69378224	0.000	2.76E+09	114.8107729
52.61429102	0.000	2.73E+09	100.3008444

53.46821762	0.000	2.70E+09	88.09186416
54.7907366	0.000	2.78E+09	111.8451121
52.64566878	0.000	2.80E+09	133.9450134
56.39947474	0.000	2.81E+09	133.8481212
53.41880291	0.000	2.85E+09	153.3169658
50.10935032	0.000	2.87E+09	174.1920511
52.92852416	0.000	2.91E+09	92.75606824
55.08851897	0.000	2.91E+09	119.2894308
53.55997534	0.000	2.92E+09	85.93525992
53.21702183	0.000	2.93E+09	90.59765081
50.90660029	0.000	2.87E+09	74.92079481
53.27626338	0.000	2.87E+09	67.48353105
52.10725869	0.000	2.88E+09	73.15689762
53.39971542	0.000	2.89E+09	37.88168962
53.90013088	0.000	2.94E+09	40.22972756
52.41040171	0.000	2.98E+09	67.12795334
53.50241378	0.000	2.99E+09	75.13037959
53.43105215	0.000	3.01E+09	96.63278763
52.32116225	0.000	3.09E+09	72.28412722
53.99747857	0.000	3.11E+09	33.03911629
54.10675422	0.000	3.11E+09	97.66546845
51.89786993	0.000	3.12E+09	133.2317325
49.5255287	0.000	3.13E+09	147.7045237
52.0133961	0.000	3.21E+09	89.50912946
52.10340085	0.000	3.22E+09	44.22689055
55.67312669	0.000	3.21E+09	43.51681555
52.81763873	0.000	3.24E+09	143.8655983
51.25705069	0.000	3.34E+09	135.0291182
50.51640696	0.000	3.30E+09	102.9905862
50.39921195	0.000	3.30E+09	85.68252936
50.91549139	0.000	3.37E+09	113.8702053
51.33222058	0.000	3.39E+09	105.5474388
52.61233193	0.000	3.40E+09	73.12029395
55.81466721	0.000	3.42E+09	44.30010444
55.07567511	0.000	3.42E+09	7.529451804
54.43536024	0.000	3.43E+09	26.06145817
53.98420222	0.000	3.49E+09	46.35556401
53.47846424	0.000	3.54E+09	80.5183659
54.12137865	0.000	3.53E+09	65.12547036
55.78511086	0.000	3.55E+09	76.38204726
54.80759182	0.000	3.55E+09	94.03036743
53.71811012	0.000	3.57E+09	70.87309371
53.71146113	0.000	3.57E+09	111.9236657
52.4821924	0.000	4.93E+09	89.6353126
51.32969506	0.000	6.18E+09	135.0982155
50.6126225	0.000	6.18E+09	220.7510542
50.72045408	0.000	6.18E+09	119.6908967
53.52879705	0.000	6.18E+09	106.4068604
54.7099096	0.000	6.18E+09	20.64950959
51.02947521	0.000	6.17E+09	186.5580544
51.12586605	0.000	6.18E+09	118.1890987
52.63679944	0.000	6.17E+09	69.93485392

54.67014957	0.000	6.17E+09	38.71314341
55.0337179	0.000	6.18E+09	40.32297721
55.55066404	0.000	6.17E+09	22.59949154
56.76257899	0.000	6.17E+09	7.094914575
55.047628	0.000	6.18E+09	40.52312297
55.37627742	0.000	6.17E+09	30.58114476
54.60242298	0.000	6.17E+09	46.74806294
55.72055808	0.000	6.17E+09	13.12854042
55.85021493	0.000	6.17E+09	14.69470791
57.23408748	0.000	6.19E+09	25.06721312
56.24584065	0.000	6.17E+09	39.30165914
58.53896634	0.000	6.16E+09	13.70886891
56.54135848	0.000	6.16E+09	52.62712874
55.11466494	0.000	6.16E+09	140.7637304
54.66107969	0.000	6.17E+09	100.4882224
53.08968016	0.000	6.17E+09	124.4738472
53.91222764	0.000	6.19E+09	155.4649717
55.60663431	0.000	6.34E+09	126.0315056
55.752844	0.000	6.18E+09	102.5710571
55.50833728	0.000	6.18E+09	59.28123338
56.04346866	0.000	6.17E+09	60.1941419
56.51183317	0.000	6.17E+09	108.9248153
56.52193445	0.000	6.17E+09	124.5849879
56.19611909	0.000	6.17E+09	118.6594613
57.80818154	0.000	6.17E+09	67.11266999
59.68800514	0.000	6.17E+09	40.44602915
58.4504727	0.000	6.17E+09	38.33425864
56.64389271	0.000	6.17E+09	179.2254681
55.82711189	0.000	6.17E+09	125.4730917
57.8115108	0.000	6.17E+09	175.4227289
59.05883793	0.000	6.18E+09	129.3530309
57.63281531	0.000	6.18E+09	88.23818416
54.48586993	0.000	6.17E+09	243.0045472
56.17349237	0.000	6.17E+09	227.3062034
57.40623813	0.000	6.17E+09	139.0687037
60.095946	0.000	6.17E+09	131.3917115
57.36979221	0.000	6.17E+09	129.1359666
55.6714161	0.000	6.21E+09	231.4180468
55.78866317	0.000	6.17E+09	118.266027
57.02643383	0.000	6.17E+09	89.23487069
58.09973722	0.000	6.18E+09	127.1980802
58.94699399	0.000	6.18E+09	84.51890903
59.41761905	0.000	6.18E+09	70.21050948
58.58258721	0.000	6.19E+09	95.74904948
58.75284524	0.000	6.19E+09	65.38073146
58.57100093	0.000	6.19E+09	50.20553268
58.98321168	0.000	6.18E+09	51.53906071
59.0050282	0.000	6.19E+09	112.906353
58.15777254	0.000	6.18E+09	125.6297217
59.07616306	0.000	6.18E+09	104.3209262
59.74562442	0.000	6.18E+09	88.7114354
60.70475644	0.000	6.18E+09	94.75737579

60.34459015	0.000	6.18E+09	92.52958055
58.6322276	0.000	6.18E+09	121.5858953
57.57038576	0.000	6.17E+09	151.4795585
59.33789236	0.000	6.16E+09	179.2258079
59.82760576	0.000	6.17E+09	153.2395769
58.62573802	0.000	6.16E+09	139.1371487
58.14008938	0.000	6.17E+09	121.8971692
58.01598782	0.000	6.19E+09	145.1486522
57.0786545	0.000	6.19E+09	253.1723505
56.80424697	0.000	6.19E+09	236.8511014
56.82325396	0.000	6.19E+09	240.9698657
58.10546312	0.000	6.19E+09	166.1130919
59.877668	0.000	6.19E+09	224.6295431
60.1903749	0.000	6.20E+09	147.0261569
57.85324604	0.000	6.19E+09	149.8964391
58.8244104	0.000	6.19E+09	145.3963644
60.50012023	0.000	6.19E+09	180.9100202
60.41215158	0.000	6.19E+09	175.6064337
58.35033581	0.000	6.19E+09	235.3762115
59.13805215	0.000	6.19E+09	201.2888842
58.48708247	0.000	6.23E+09	208.5660194
58.42623574	0.000	6.18E+09	207.0209341
58.93204613	0.000	6.19E+09	122.424877
58.89932455	0.000	6.19E+09	113.2981948
59.97717693	0.000	6.18E+09	170.9275876
58.6860388	0.000	6.18E+09	219.2281632
59.9038599	0.000	6.19E+09	171.545594
61.48474836	0.000	6.19E+09	62.86881267
62.75888191	0.000	6.19E+09	81.76699771
63.01771534	0.000	6.44E+09	124.615595
61.25801403	0.000	6.19E+09	97.68628333
59.37256759	0.000	6.19E+09	205.5233262
58.66445037	0.000	6.19E+09	207.1442515
58.64538673	0.000	6.19E+09	205.40794
60.38977536	0.000	6.19E+09	172.457
60.98758239	0.000	6.19E+09	151.8595676
60.85093693	0.000	4.37E+09	141.8727708
61.94448175	0.000	4.32E+09	127.2275245
62.49141552	0.000	3.80E+09	111.0803418
62.49719696	0.000	2.60E+09	196.2758385
60.98716035	0.000	1.53E+09	247.9643269
61.3987482	0.000	5.30E+09	242.0729644
60.58685042	0.000	6.67E+09	298.0258401
60.01973205	0.000	6.18E+09	247.1367498
60.53130138	0.000	6.17E+09	268.1572495
61.05400712	0.000	6.18E+09	196.9930629
60.74656968	0.000	4.95E+09	264.0696326
61.47378739	0.000	4.01E+09	223.6398902
61.67503066	0.000	3.23E+09	194.9929637
61.20317391	0.000	4.96E+09	204.0957366
60.60129623	0.000	6.14E+09	185.5175824
60.96877337	0.000	6.14E+09	202.4117888

61.47848565	0.000	6.15E+09	175.7590848
61.809732	0.000	6.16E+09	127.0807473
62.69356374	0.000	4.92E+09	135.783105
62.50792773	0.000	3.38E+09	158.8278929
61.58667258	0.000	1.09E+08	189.5014132
63.12434492	0.000	-2.04E+08	172.3205991
63.28049371	0.000	-2.27E+08	171.3711167
62.09667906	0.000	-2.19E+08	218.4281248
62.90045274	0.000	-2.12E+08	223.9080974
63.11328966	0.000	-2.24E+08	246.0048598
62.5170549	0.000	-2.46E+08	203.1890805
62.90253649	0.000	-2.49E+08	235.7597799
62.33442228	0.000	-2.43E+08	239.3511201
61.96536153	0.000	-2.38E+08	318.0351041
61.42629988	0.000	-2.33E+08	345.8459615
61.36097761	0.000	-2.24E+08	315.297492
61.79853897	0.000	-2.23E+08	260.9795883
62.69416659	0.000	-1.54E+08	214.8129674
62.48771132	0.000	-1.38E+08	285.4587131
60.79072694	0.000	-1.85E+08	317.4406706
60.84108895	0.000	-1.15E+08	299.5588371
61.64346179	0.000	-1.20E+08	198.0439683
61.07784114	0.000	-1.25E+08	156.5157603
61.39215614	0.000	-8.08E+07	225.6604131
62.09170588	0.000	-2.08E+08	226.7450723
62.94886461	0.000	-2.05E+08	183.6076186
63.78129087	0.000	-2.11E+08	282.7059484
62.3044019	0.000	-1.95E+08	362.2275269
61.33330355	0.000	-1.93E+08	297.3951717
61.64481679	0.000	-1.98E+08	205.9562168
62.30024355	0.000	-2.39E+08	291.6815367
61.81807645	0.000	-2.35E+08	225.8677457
61.76013902	0.000	-2.22E+08	248.7330396
60.76171904	0.000	-2.34E+08	201.4155446
59.12837062	0.000	-2.24E+08	279.5025086
59.9204236	0.000	-2.23E+08	247.4527868
60.09952113	0.000	-2.21E+08	211.7473178
60.14207982	0.000	-2.19E+08	204.9825437
59.97053675	0.000	-6.47E+07	218.1134849
60.390503	0.000	-1.08E+08	210.2870382
60.1107875	0.000	-2.16E+08	183.0769026
60.15173302	0.000	-2.12E+08	158.2297051
61.20212024	0.000	-1.95E+08	146.1190534
61.48390651	0.000	-1.90E+08	167.661839
62.08447627	0.000	-1.60E+08	187.8889997
61.64863534	0.000	-1.67E+08	203.9959595
60.4058966	0.000	-1.69E+08	220.0439258
60.63124169	0.000	-1.81E+08	219.6916985
61.55225076	0.000	-1.74E+08	236.9094403
60.97291152	0.000	-1.95E+08	240.1345234
60.24715271	0.000	-1.70E+08	257.3319872
60.67147319	0.000	-1.62E+08	229.1395438

61.33767766	0.000	-1.10E+08	279.0573528
61.81210367	0.000	-1.51E+08	174.6551335
62.1530629	0.000	-1.49E+08	151.6976873
61.86643983	0.000	-1.41E+08	180.7658455
62.57186375	0.000	-9.09E+07	195.9987989
62.49761647	0.000	-3.25E+07	190.1493192
61.44410322	0.000	-1.20E+08	208.0903436
61.19118972	0.000	-1.47E+08	202.1732209
61.87107123	0.000	-1.45E+08	164.5050699
62.43960808	0.000	-1.37E+08	169.8951882
63.06748581	0.000	-1.34E+08	289.6157031
60.99144214	0.000	-1.21E+08	232.9147026
60.42803757	0.000	-1.32E+08	175.5385129
60.75665883	0.000	-1.28E+08	195.488249
60.39311762	0.000	-1.04E+08	181.1024644
60.00115053	0.000	-1.29E+08	179.3050018
60.6078497	0.000	-1.24E+08	209.4063961
61.58106918	0.000	-1.08E+08	350.7203467
58.52347755	0.000	-1.01E+08	376.4722211
58.72022104	0.000	-8.48E+07	326.231846
60.03639138	0.000	-6.81E+07	234.8685869
60.84043472	0.000	-7.28E+07	203.3499375
61.58389723	0.000	-6.67E+07	203.4795367
60.36105438	0.000	-4.93E+07	134.4799203
59.55902151	0.000	-2.18E+07	128.8452963
58.98765356	0.000	-1.67E+06	174.0939391
58.71975474	0.000	4.26E+07	262.1995329
58.5283708	0.000	1.36E+08	264.0902312
59.15623103	0.000	2.08E+08	195.0644242
58.82839745	0.000	3.04E+08	219.4530717
59.94252799	0.000	1.55E+08	196.0750584
58.7406947	0.000	2.04E+08	254.1919318
57.21545983	0.000	2.46E+08	172.1193356
60.67294268	0.000	2.67E+08	155.8575464
59.80863218	0.000	3.05E+08	200.3243096
57.3800678	0.000	4.35E+08	305.1859302
57.15375523	0.000	4.95E+08	235.6003605
55.78324472	0.000	4.16E+08	353.8490269
55.71597529	0.000	4.54E+08	238.229047
57.86042309	0.000	5.91E+08	258.0667082
58.02920005	0.000	5.92E+08	217.6853893
58.03378534	0.000	6.19E+08	228.8383384
57.93890352	0.000	6.32E+08	230.0645045
56.9430877	0.000	6.37E+08	197.5859818
57.78066052	0.000	6.74E+08	94.43654787
58.07744403	0.000	7.35E+08	112.2585329
59.02693906	0.000	7.65E+08	138.5405077
55.39514303	0.000	7.70E+08	280.22638
55.05081113	0.000	9.65E+08	274.0374503
56.05877495	0.000	8.98E+08	208.5505244
56.16402604	0.000	8.97E+08	151.3920102
56.38917491	0.000	9.08E+08	122.7301628

56.67994482	0.000	9.68E+08	110.8762158
56.8560026	0.000	1.01E+09	112.7401918
57.58388567	0.000	1.05E+09	71.64981028
57.7160535	0.000	1.16E+09	117.3535604
57.53944365	0.000	1.41E+09	105.4011405
59.75002372	0.000	1.34E+09	51.47499693
59.87081325	0.000	1.36E+09	80.91994779
56.09541284	0.000	1.38E+09	195.8534953
55.27177984	0.000	1.39E+09	229.0766126
54.92252527	0.000	1.41E+09	152.7849915
56.04078514	0.000	1.44E+09	144.0366466
56.47796977	0.000	1.45E+09	130.774668
57.40244146	0.000	1.46E+09	135.2124867
55.58881629	0.000	1.45E+09	165.2663371
56.07330647	0.000	1.46E+09	205.9755816
55.49871156	0.000	1.47E+09	150.752318
54.08948316	0.000	1.49E+09	180.9797328
54.04499801	0.000	1.51E+09	290.7186332
53.02186319	0.000	1.53E+09	168.4693289
53.93604694	0.000	1.57E+09	196.4145116
55.03734053	0.000	1.64E+09	137.7594252
57.09093055	0.000	1.59E+09	62.22938804
54.56218766	0.000	1.67E+09	117.5797198
53.18484772	0.000	1.61E+09	120.3012401
52.79771763	0.000	1.68E+09	128.41708
53.39575433	0.000	1.71E+09	131.2620706
54.417289	0.000	1.72E+09	152.450263
54.3039683	0.000	1.74E+09	147.2570788
56.30121156	0.000	2.12E+09	118.9506338
57.57454255	0.000	5.91E+09	69.92869544
59.30890745	0.000	6.23E+09	20.67576385
60.71616477	0.000	6.21E+09	22.07686413
57.77246168	0.000	6.21E+09	103.9492744
57.44469691	0.000	6.20E+09	57.07452482
56.08406801	0.000	6.21E+09	150.9225456
55.86678661	0.000	6.22E+09	106.9522418
55.20287928	0.000	6.22E+09	189.918725
52.95847169	0.000	6.22E+09	136.9206463
54.90181438	0.000	6.21E+09	99.82948189
54.36888689	0.000	6.25E+09	108.4332501
55.05875748	0.000	6.22E+09	95.06403259
54.12667384	0.000	6.21E+09	167.373924
54.29637197	0.000	6.21E+09	139.8518641
56.77216684	0.000	6.21E+09	43.26530638
57.01756125	0.000	6.21E+09	136.5997614
53.09386929	0.000	6.21E+09	137.2910232
52.65191434	0.000	6.20E+09	167.9146426
52.68069432	0.000	6.21E+09	147.846795
53.75056615	0.000	6.21E+09	86.0623455
55.04899805	0.000	6.21E+09	78.60209664
55.619518	0.000	6.20E+09	57.34860603
56.35993634	0.000	6.20E+09	82.27279009

53.69379793	0.000	6.19E+09	102.200305
53.59517146	0.000	6.20E+09	96.16232882
53.72884561	0.000	6.18E+09	90.97677147
53.42511918	0.000	6.20E+09	96.36566809
54.91693141	0.000	6.20E+09	97.18453126
53.49269852	0.000	6.19E+09	202.2418042
51.40128379	0.000	6.20E+09	228.5714269
53.47646932	0.000	6.19E+09	155.2618033
53.29461846	0.000	6.26E+09	99.58039821
53.4319842	0.000	6.20E+09	97.10638979
54.47406381	0.000	6.19E+09	90.22853016
52.25570963	0.000	6.20E+09	96.54373315
53.21807059	0.000	6.20E+09	81.02783002
53.60087182	0.000	6.20E+09	87.79533204
52.15209636	0.000	6.20E+09	71.88996294
52.82859564	0.000	6.20E+09	136.0208779
51.92980068	0.000	6.19E+09	114.7203116
52.00341502	0.000	6.18E+09	86.4976399
51.45417859	0.000	6.19E+09	88.6682468
50.90882014	0.000	6.18E+09	99.79718323
51.34123171	0.000	6.18E+09	174.5318219
51.00424093	0.000	6.18E+09	102.8496182
50.05801362	0.000	6.18E+09	109.6498124
49.40228015	0.000	6.18E+09	114.0311304
49.39978591	0.000	6.19E+09	128.1207177
49.59759303	0.000	6.20E+09	106.4083569
51.3945542	0.000	6.19E+09	81.51385198
53.43418701	0.000	5.32E+09	48.46340101
52.66778536	0.000	4.53E+09	72.4729071
52.83925219	0.000	3.80E+09	71.37757094
52.3107791	0.000	2.26E+09	97.13082847
53.25787447	0.000	2.30E+08	80.45943394
56.34104258	0.000	-1.28E+08	27.20385434
52.97075759	0.000	-1.58E+08	88.7681436
50.09526336	0.000	-1.56E+08	103.4922171
50.01320731	0.000	-3.52E+07	99.10622599
51.67564767	0.000	-1.31E+08	56.11149573
52.48028951	0.000	-1.87E+08	38.79710116
52.19791229	0.000	-1.31E+08	36.92330527
52.12122818	0.000	-1.08E+08	75.21167849
47.94768544	0.000	-1.11E+08	177.483412
47.22962801	0.000	-1.88E+08	132.5394404
49.98101114	0.000	-2.12E+08	79.31131318
49.45583719	0.000	-1.50E+08	97.46571762
45.14598765	0.000	-2.15E+08	119.5796606
47.58996698	0.000	-2.14E+08	90.28529621
48.03625134	0.000	-2.07E+08	89.97941336
51.12551348	0.000	-2.06E+08	71.31822716
52.49913682	0.000	-2.07E+08	57.86085483
55.62712407	0.000	-1.94E+08	22.18972508
53.91937567	0.000	-1.91E+08	22.57698265
52.30881118	0.000	-1.97E+08	46.54275609

50.3254227	0.000	-1.87E+08	72.0674122
53.33359646	0.000	-1.97E+08	18.54112256
53.50417027	0.000	-2.05E+08	26.60909998
51.87174134	0.000	-2.08E+08	70.2688674
51.18288517	0.000	-2.11E+08	64.48657085
51.18689015	0.000	-2.08E+08	61.60325464
50.37225803	0.000	-2.06E+08	87.95498103
51.70373471	0.000	-2.16E+08	96.5485806
53.1882453	0.000	-2.04E+08	68.50482842
53.42797277	0.000	-1.93E+08	34.12929378
52.93171411	0.000	-1.85E+08	37.13815106
53.27605589	0.000	-1.83E+08	42.858522
52.34463551	0.000	-1.11E+08	48.94061474
53.52661918	0.000	-1.98E+08	27.00577
49.28452602	0.000	-1.93E+08	133.7277845
50.42965666	0.000	-1.89E+08	75.55616615
50.5187864	0.000	-1.81E+08	54.55364528
51.57307783	0.000	-1.82E+08	47.74122091
52.67667924	0.000	-1.83E+08	88.73702784
53.96379225	0.000	-1.25E+08	77.5100568
54.07135595	0.000	-1.81E+08	74.73141071
53.20448411	0.000	-1.81E+08	53.40673373
54.92822393	0.000	-1.95E+08	44.50393982
55.46347371	0.000	-1.79E+08	21.72077752
56.25279153	0.000	-1.82E+08	10.19058181
56.08088558	0.000	-1.83E+08	6.290928822
54.49959568	0.000	-1.85E+08	51.03381252
52.63290079	0.000	-1.89E+08	60.63197228
53.88892685	0.000	-1.84E+08	79.83053452
54.27409632	0.000	-1.87E+08	90.45990115
53.25966789	0.000	-1.70E+08	167.6126235
50.61752895	0.000	-1.66E+08	156.0613293
51.15308674	0.000	-1.60E+08	100.4034018
51.9863714	0.000	-1.63E+08	79.89164458
52.40025294	0.000	-1.65E+08	78.18233613
52.3152327	0.000	-1.66E+08	92.48448774
55.45820783	0.000	-1.63E+08	79.90651337
54.44654414	0.000	-1.51E+08	64.20058612
53.82770975	0.000	-1.53E+08	70.99437803
57.32996671	0.000	-1.53E+08	37.40465587
57.46613193	0.000	-1.13E+08	11.18535495
52.7600581	0.000	-1.47E+08	95.68350131
53.28430962	0.000	-3.12E+07	67.5205379
53.2800004	0.000	-1.51E+08	170.9294824
53.30760114	0.000	-1.51E+08	101.5943478
54.69341401	0.000	-1.45E+08	95.05111573
55.47812681	0.000	-1.49E+08	71.35411909
56.68185586	0.000	-1.07E+08	68.85575359
54.41689159	0.000	-1.60E+08	172.2897749
52.81281005	0.000	-1.59E+08	181.7872887
54.80429733	0.000	-1.63E+08	125.3739914
54.98144991	0.000	-1.55E+08	127.3188564

55.0542529	0.000	-1.51E+08	80.35042197
54.54744532	0.000	2.62E+09	57.07020082
55.98051978	0.000	-1.45E+08	73.33164659
58.2829567	0.000	-1.52E+08	83.03576667
59.34132404	0.000	-1.52E+08	17.37894939
56.42824516	0.000	-1.49E+08	51.49823545
53.94934304	0.000	-1.40E+08	132.2380606
56.28003895	0.000	-1.49E+08	35.91816985
57.28840998	0.000	-1.57E+08	14.48275884
55.02198297	0.000	-1.53E+08	91.63554481
55.04891464	0.000	4.22E+09	107.8545995
54.66990007	0.000	5.19E+09	79.23477536
55.46468536	0.000	1.79E+09	116.0784652
56.6945326	0.000	-1.33E+08	109.7106486
58.45201217	0.000	-1.28E+08	116.0496786
56.39456756	0.000	-5.26E+07	121.9296284
56.98789048	0.000	-8.62E+07	81.23889461
57.91457229	0.000	-9.02E+07	34.58805197
56.77078161	0.000	-1.60E+08	160.9532371
54.73139725	0.000	-1.74E+08	156.8657229
56.40260784	0.000	-1.76E+08	129.7119083
59.72586017	0.000	-1.73E+08	71.94154801
56.8244525	0.000	-1.73E+08	113.2499573
57.94104798	0.000	-1.61E+08	67.54526762
59.18825202	0.000	-1.80E+08	20.45967764
59.41663653	0.000	-1.81E+08	83.41517391
59.46902574	0.000	-1.77E+08	78.41844028
58.93271599	0.000	-1.57E+08	139.452891
58.10076577	0.000	-1.49E+08	165.7343442
58.41964735	0.000	-1.52E+08	149.5781546
61.24288422	0.000	-1.52E+08	145.1639162
59.68675738	0.000	-1.53E+08	111.4643217
57.81616214	0.000	-1.53E+08	146.0227856
54.91645488	0.000	-1.04E+08	194.039428
55.77108231	0.000	-1.64E+08	193.5462752
58.79233909	0.000	-1.83E+08	176.5810806
60.46154995	0.000	-1.84E+08	92.71044656
60.5517767	0.000	-1.94E+08	75.67746599
60.16767541	0.000	-1.95E+08	57.22425955
59.57155149	0.000	-2.00E+08	85.13849652
59.07014164	0.000	-1.99E+08	86.5209778
59.69243202	0.000	-1.99E+08	78.16642461
59.27230214	0.000	-2.03E+08	184.143715
56.25948767	0.000	-1.96E+08	279.2672977
56.28991223	0.000	-1.05E+08	237.0719888
55.02377851	0.000	-1.92E+08	225.7557735
56.56528632	0.000	-1.89E+08	174.9625247
57.81882077	0.000	-1.83E+08	180.1389958
58.46191993	0.000	-1.81E+08	134.2203437
57.75258854	0.000	-1.80E+08	186.8298403
57.72668649	0.000	-1.83E+08	196.1169966
57.51659764	0.000	-1.85E+08	139.9556919

58.27164916	0.000	-1.83E+08	166.6879075
59.35961333	0.000	-1.91E+08	239.815281
57.23332912	0.000	-1.84E+08	234.4069837
57.94019949	0.000	-1.85E+08	152.7072004
60.11807069	0.000	-1.89E+08	128.2759626
60.07435629	0.000	-1.85E+08	174.6691528
57.45719163	0.000	-1.39E+08	277.7723493
56.92014467	0.000	-1.79E+08	231.0402159
56.05897601	0.000	-1.81E+08	209.809693
55.46779741	0.000	-1.89E+08	194.9406437
56.94493054	0.000	-1.83E+08	181.5659292
58.49448556	0.000	-8.35E+07	137.7839833
61.33792969	0.000	-1.87E+08	106.6252016
61.36514505	0.000	-1.84E+08	107.4418233
60.15554595	0.000	-1.93E+08	97.22544624
59.75556756	0.000	-1.92E+08	116.6388443
57.76510533	0.000	-1.82E+08	279.2730516
57.4553358	0.000	-1.81E+08	216.3714153
58.97830529	0.000	-1.87E+08	207.223802
59.52251846	0.000	-1.89E+08	169.9212646
59.82467774	0.000	-1.58E+08	128.8258581
61.438346	0.000	-1.96E+08	112.2485108
59.4661286	0.000	-2.02E+08	216.5967788
58.89934061	0.000	-1.96E+08	213.4762172
59.7488856	0.000	-2.00E+08	162.5258855
60.16498441	0.000	-1.98E+08	166.4006623
60.90195521	0.000	-1.94E+08	144.8982364
61.76976109	0.000	-1.96E+08	90.50560823
60.49170611	0.000	4.60E+09	138.3016075
59.12787316	0.000	6.39E+09	239.8115002
59.33955424	0.000	4.53E+09	153.1377733
59.20964475	0.000	3.89E+08	140.2691809
60.93523896	0.000	-1.67E+08	111.868461
61.78666342	0.000	-1.91E+08	105.1909248
62.52714342	0.000	-8.89E+07	101.708814
62.7190622	0.000	-1.77E+08	83.50396034
61.05554976	0.000	-1.81E+08	125.9381289
60.56743024	0.000	-1.82E+08	161.6836688
61.63641036	0.000	-1.83E+08	134.7859865
62.43638665	0.000	-1.90E+08	146.7849769
62.35452242	0.000	-1.85E+08	208.5593952
62.03509206	0.000	-1.81E+08	179.1911856
61.95932799	0.000	-1.89E+08	217.5291117
61.70177648	0.000	-1.83E+08	180.5246175
62.39210317	0.000	-1.87E+08	263.9478378
62.34704719	0.000	-1.81E+08	398.4852114
61.9655147	0.000	-1.80E+08	336.8395332
61.03863079	0.000	-1.91E+08	369.1119302
61.36438452	0.000	-1.89E+08	267.6381195
62.28147583	0.000	-1.93E+08	278.6468764
60.18645684	0.000	-1.84E+08	288.4935867
60.95050597	0.000	-1.77E+08	164.6901662

61.93012116	0.000	-1.67E+08	198.8413084
61.54979526	0.000	-1.85E+08	210.6059042
60.88469636	0.000	-1.71E+08	172.2518191
61.7136157	0.000	-7.41E+07	145.34791
62.74349102	0.000	-1.70E+08	187.7439029
62.86779432	0.000	-1.65E+08	224.3289202
63.09941131	0.000	-1.70E+08	294.3777728
62.8209486	0.000	-1.77E+08	281.127581
61.41073719	0.000	-1.73E+08	207.2167385
61.01636166	0.000	-1.80E+08	261.5307966
61.85137894	0.000	-1.28E+08	198.9896515
61.54808755	0.000	-1.83E+08	257.8096482
62.41302225	0.000	-1.89E+08	260.8537226
61.98330547	0.000	-1.93E+08	200.8034815
60.98492417	0.000	-1.74E+08	199.8129223
61.10745029	0.000	-1.90E+08	174.3849536
61.20003834	0.000	-1.82E+08	150.2759516
61.30395632	0.000	-1.71E+08	175.2064656
61.49478156	0.000	-1.69E+08	199.8577556
61.17012422	0.000	-1.69E+08	289.3649806
61.28185705	0.000	-1.64E+08	279.8884093
60.89075623	0.000	-1.72E+08	262.9769375
61.33328184	0.000	-1.68E+08	180.7590986
61.82004384	0.000	-1.67E+08	211.8337572
60.69788672	0.000	-1.71E+08	248.0232644
60.3143447	0.000	-1.76E+08	267.8860993
60.17937796	0.000	-1.69E+08	243.5514788
60.21213791	0.000	-1.59E+08	190.9368739
60.92292064	0.000	-1.54E+08	193.777241
60.69824977	0.000	-1.59E+08	171.5380396
60.62757442	0.000	-1.63E+08	151.7352798
61.22499584	0.000	-1.23E+08	158.8996032
61.07224504	0.000	-1.61E+08	152.2403267
61.89688187	0.000	-1.65E+08	244.6694568
60.56279643	0.000	-1.58E+08	290.2174064
58.52313735	0.000	-1.43E+08	374.6342988
58.69355419	0.000	1.46E+09	277.1411303
59.079624	0.000	6.15E+09	235.520974
60.00398378	0.000	6.16E+09	206.1908825
60.76960666	0.000	6.16E+09	188.0861462
61.41100143	0.000	6.16E+09	190.7515166
61.91391567	0.000	6.17E+09	191.5518357
62.45605098	0.000	6.17E+09	242.5859291
61.95093657	0.000	6.17E+09	275.5815351
59.30475911	0.000	4.98E+09	244.7873764
58.79913567	0.000	3.57E+09	203.006932
60.7155246	0.000	-1.18E+08	201.4574529
61.08172415	0.000	-1.17E+08	203.1306398
60.65452734	0.000	-1.09E+08	154.5793656
60.84130501	0.000	-1.04E+08	196.3987145
60.79016916	0.000	-9.82E+07	210.2314054
59.71913747	0.000	-8.75E+07	265.8351621

59.07327659	0.000	-9.62E+07	270.9415041
58.85431178	0.000	-8.28E+07	230.6456763
59.48498238	0.000	-7.41E+07	227.4281542
60.72140426	0.000	-6.67E+07	163.7188055
60.72701579	0.000	-6.47E+07	145.8389269
60.92245026	0.000	-6.81E+07	166.5003097
60.94937784	0.000	-5.67E+07	203.9856778
59.97671384	0.000	8.02E+07	214.0458564
60.37488009	0.000	7.48E+07	211.1887007
60.81978116	0.000	1.35E+08	224.0538072
58.83295582	0.000	1.52E+08	273.3404699
58.40111316	0.000	1.59E+08	356.3637224
58.04891956	0.000	1.86E+08	329.6980149
58.22487074	0.000	2.01E+08	254.0751223
59.14993083	0.000	2.97E+08	191.918765
59.58696392	0.000	3.84E+08	185.6571832
59.14412007	0.000	4.03E+08	208.0139436
59.47102369	0.000	4.24E+08	172.9366891
59.32112817	0.000	4.54E+08	174.8720792
58.65890198	0.000	4.89E+08	242.0059137
58.13014752	0.000	5.05E+08	229.3655016
59.19156573	0.000	5.56E+08	191.2022238
60.44526666	0.000	7.01E+08	182.6721533
61.2025935	0.000	7.09E+08	122.5168815
61.15556417	0.000	7.26E+08	150.1050035
60.81597138	0.000	7.44E+08	172.3915477
59.72523925	0.000	7.63E+08	276.3154508
58.28694407	0.000	7.81E+08	246.1369094
58.3633288	0.000	8.41E+08	203.9155418
57.93063269	0.000	9.80E+08	213.8611108
57.54376773	0.000	9.75E+08	287.1100011
58.55914081	0.000	1.00E+09	191.1162097
59.05958959	0.000	1.00E+09	112.7431569
59.54201798	0.000	1.02E+09	100.3314301
59.8605636	0.000	1.05E+09	107.383306
59.47246309	0.000	1.19E+09	161.863768
58.75570963	0.000	1.18E+09	199.9010409
58.01715102	0.000	1.20E+09	296.6007896
57.47433051	0.000	1.22E+09	204.0666739
59.28128416	0.000	1.23E+09	195.2069897
58.16169701	0.000	1.24E+09	145.1756581
56.47480052	0.000	1.34E+09	267.4352324
55.75266402	0.000	1.38E+09	240.5569952
56.30873345	0.000	1.39E+09	229.5311296
56.15760155	0.000	1.40E+09	189.7230329
56.4266768	0.000	1.42E+09	157.5384731
57.27948493	0.000	1.44E+09	131.3211802
59.28504665	0.000	1.52E+09	124.375541
56.5027425	0.000	1.66E+09	250.9462416
55.11486385	0.000	1.64E+09	242.5880038
55.41391886	0.000	1.60E+09	216.1241259
56.8152225	0.000	1.62E+09	160.9304171

56.69960863	0.000	1.64E+09	124.8812746
56.60753864	0.000	1.66E+09	200.9472655
55.73475482	0.000	1.76E+09	180.1512655
55.70354171	0.000	1.85E+09	163.8986663
56.30787264	0.000	1.89E+09	139.6913601
56.6390906	0.000	1.88E+09	135.4229363
57.40275379	0.000	1.90E+09	92.49077964
56.82740511	0.000	1.90E+09	115.9290103
57.01649979	0.000	1.94E+09	108.687463
57.68315498	0.000	2.03E+09	66.72320751
56.88617927	0.000	2.04E+09	116.0712572
56.65732754	0.000	2.05E+09	135.2020753
53.88627334	0.000	2.07E+09	184.9853548
54.149746	0.000	2.08E+09	171.2487048
54.8272113	0.000	2.10E+09	145.8646381
56.22446802	0.000	2.16E+09	112.7069188
57.82376864	0.000	2.17E+09	73.88231458
57.48075139	0.000	2.22E+09	44.92111333
57.66430422	0.000	2.24E+09	149.6000055
56.47478178	0.000	2.28E+09	205.8505743
55.93885508	0.000	2.56E+09	127.0588181
56.95486434	0.000	2.56E+09	146.1453962
57.83570819	0.000	2.57E+09	104.829257
58.35176212	0.000	2.58E+09	74.46796719
56.16319812	0.000	2.59E+09	183.8172528
56.37090002	0.000	2.72E+09	172.6734045
57.81887957	0.000	3.29E+09	131.1566968
54.37635903	0.000	3.27E+09	155.7838908
53.49247786	0.000	2.71E+09	189.4643707
53.60146581	0.000	2.73E+09	138.7306343
55.29892375	0.000	2.74E+09	104.8999372
56.40240717	0.000	2.99E+09	93.73273743
56.67579733	0.000	5.99E+09	66.9875181
55.66694521	0.000	6.32E+09	138.796758
55.10636677	0.000	6.32E+09	138.4379112
56.71794029	0.000	6.32E+09	70.3558299
57.18538566	0.000	6.32E+09	160.5486801
55.89152576	0.000	6.32E+09	137.0963937
56.71924846	0.000	6.32E+09	40.75758671
56.44968533	0.000	6.32E+09	139.1375541
54.62308966	0.000	6.31E+09	234.933706
52.37261762	0.000	6.32E+09	178.6191163
53.83737668	0.000	6.32E+09	143.4757674
54.50083911	0.000	6.32E+09	117.0412713
53.723024	0.000	6.32E+09	106.5174562
56.04140057	0.000	6.32E+09	61.93190609
54.30177226	0.000	6.32E+09	92.4258133
54.35595942	0.000	6.32E+09	96.82829719
52.78001914	0.000	6.32E+09	119.5140331
53.44790662	0.000	6.33E+09	110.9456308
55.41828258	0.000	6.32E+09	87.86241049
57.20613847	0.000	6.32E+09	18.35492117

58.29587812	0.000	6.32E+09	8.375787637
56.70668551	0.000	6.31E+09	25.68042045
57.80277173	0.000	6.31E+09	61.88541407
53.67049934	0.000	6.31E+09	183.4830871
53.92982756	0.000	6.31E+09	118.1738602
54.17515526	0.000	6.31E+09	74.55664126
53.39053679	0.000	6.31E+09	163.7443325
51.38651162	0.000	6.31E+09	170.0481495
52.17421054	0.000	6.31E+09	143.073362
53.341289	0.000	6.30E+09	106.0847708
53.24787962	0.000	6.29E+09	123.4131097
53.11733346	0.000	4.86E+09	100.5640978
54.23110663	0.000	4.44E+09	61.00128804
54.40686019	0.000	2.62E+09	74.10478818
52.94293833	0.000	1.27E+09	111.3241081
52.09639037	0.000	-5.00E+07	71.03053178
52.83920014	0.000	-1.29E+08	71.16599562
53.97217885	0.000	-1.48E+08	102.2020314
56.04886314	0.000	-1.50E+08	150.9144518
54.72888538	0.000	-2.07E+08	147.1670182
54.98848999	0.000	-1.53E+08	94.24272712
53.94552072	0.000	2.83E+08	107.3937536
52.61019012	0.000	4.29E+08	75.81698364
54.08491773	0.000	3.61E+08	83.1273234
53.83534455	0.000	-1.69E+08	117.2525608
52.17513209	0.000	-1.67E+08	129.0674292
52.4579295	0.000	-1.95E+08	82.43635342
54.53404912	0.000	9.06E+06	50.80095648
53.47258934	0.000	-1.59E+08	130.565084
50.7161192	0.000	-1.84E+08	110.6902099
51.78050189	0.000	-1.85E+08	131.1053176
48.94868118	0.000	-6.92E+08	142.6564007
50.52400564	0.000	-1.78E+08	125.3138263
53.41731176	0.000	-1.72E+08	59.53011161
52.14105966	0.000	-1.82E+08	90.56280906
52.29737259	0.000	-1.74E+08	58.57697629
52.34955596	0.000	-1.22E+08	74.71882363
53.68167855	0.000	-1.84E+08	47.0188478
55.74419388	0.000	-1.79E+08	18.88019663
56.83613574	0.000	-1.79E+08	6.984040635
58.41737825	0.000	-1.85E+08	1.587977099
58.00922735	0.000	-1.81E+08	3.135496183
55.39408656	0.000	-6.54E+07	31.59048719
54.30373127	0.000	-1.82E+08	85.9047088
54.40531387	0.000	-1.86E+08	46.01221879
53.69638538	0.000	-1.88E+08	41.6613122
54.07019289	0.000	-1.95E+08	102.3203307
53.51153068	0.000	-1.79E+08	136.3615489
52.06373683	0.000	-1.83E+08	139.5534369
51.49195496	0.000	-1.91E+08	85.32926912
52.23716962	0.000	-1.83E+08	134.7379272
52.10184734	0.000	-1.89E+08	111.5473418

51.45441764	0.000	-1.95E+08	126.446557
51.39696722	0.000	-1.86E+08	83.06646234
51.5952591	0.000	-1.86E+08	96.00115477
50.60879817	0.000	-1.91E+08	109.8164127
50.99405185	0.000	-1.82E+08	83.36223582
51.68240076	0.000	-1.79E+08	79.76802734
54.14817793	0.000	-1.70E+08	88.62008919
54.19773292	0.000	-1.69E+08	59.37210023
52.50922497	0.000	-1.59E+08	104.8860865
51.80913151	0.000	-1.63E+08	116.971529
50.44743087	0.000	-1.63E+08	191.1206485
48.9157318	0.000	-1.65E+08	181.3431185
49.46025054	0.000	-1.03E+08	93.96914646
50.02748571	0.000	-1.44E+08	148.486873
50.62050388	0.000	-1.65E+08	141.4604925
52.78150927	0.000	-1.69E+08	98.35355523
53.81211935	0.000	-1.59E+08	39.65886863
50.8360859	0.000	-1.70E+08	127.8953135
50.18421817	0.000	-1.67E+08	86.65110712
50.82866739	0.000	-1.03E+08	63.13496803
51.29174491	0.000	-1.63E+08	53.25913534
52.97548482	0.000	-1.63E+08	23.26624554
53.08932879	0.000	-1.57E+08	39.84371413
52.97968986	0.000	-1.61E+08	51.46527589
54.6570217	0.000	-1.54E+08	25.61798337
55.31595852	0.000	-1.62E+08	9.039373893
54.55361696	0.000	-1.61E+08	89.28895079
52.69034993	0.000	-1.53E+08	87.45877703
57.04127417	0.000	-1.55E+08	70.70113392
55.44317963	0.000	-1.55E+08	111.4903158
52.57681625	0.000	-1.46E+08	87.52971383
54.93089602	0.000	-1.55E+08	74.30746023
53.38371543	0.000	-1.46E+08	42.13394182
56.34708363	0.000	-1.53E+08	3.154065024
53.83838119	0.000	-1.55E+08	46.37976374
52.77637069	0.000	-1.57E+08	109.7741079
51.23957888	0.000	-1.59E+08	75.66463197
52.17465094	0.000	-1.59E+08	54.03344831
54.05302633	0.000	-1.47E+08	48.64370109
54.8133024	0.000	-1.49E+08	18.87364208
56.89312468	0.000	-9.89E+07	6.098108425
56.25714749	0.000	-1.15E+08	11.50884469
51.88032626	0.000	-1.30E+08	185.7968321
51.85617925	0.000	-1.43E+08	128.7600163
54.42271497	0.000	-1.35E+08	76.32552199
55.83588335	0.000	-1.38E+08	45.65792774
56.53808428	0.000	-1.38E+08	40.29354676
56.82173781	0.000	-1.18E+08	39.45722726
56.28682361	0.000	-1.41E+08	28.97941418
58.12578755	0.000	-1.50E+08	45.63026588
58.88338519	0.000	-1.45E+08	60.6187054
55.40074178	0.000	-1.45E+08	133.4773266

54.86562887	0.000	-1.37E+08	82.77317348
56.13003131	0.000	-1.40E+08	80.86155096
57.50008266	0.000	-7.75E+07	91.56358333
57.45869395	0.000	-1.41E+08	114.2764234
53.68711587	0.000	-1.52E+08	92.08896763
55.365066	0.000	-1.69E+08	176.5904912
55.45943534	0.000	-1.51E+08	194.98708
56.63536282	0.000	-1.56E+08	130.2899549
56.505198	0.000	-1.36E+08	109.9881448
54.7138654	0.000	-1.24E+07	79.91952627
54.92578783	0.000	1.68E+06	85.34225257
55.91947297	0.000	2.31E+07	79.3449643
55.6917618	0.000	6.20E+07	126.2302505
54.95111357	0.000	7.41E+07	154.0495663
54.57080285	0.000	1.87E+08	116.8768316
55.65410801	0.000	1.97E+08	135.4858908
58.06171883	0.000	2.27E+09	152.4577153
53.62613648	0.000	6.03E+09	164.2727437
55.13595432	0.000	3.90E+09	131.3969638
57.41568809	0.000	2.91E+08	68.3722224
59.10037218	0.000	3.23E+08	95.18047161
60.34939923	0.000	3.61E+08	87.89782727
55.33659907	0.000	3.98E+08	134.5138783
55.78358398	0.000	4.07E+08	97.13167675
57.77887771	0.000	4.29E+08	54.4402369
57.41043804	0.000	5.07E+08	86.0520428
55.52010225	0.000	5.70E+08	174.0779026
55.63626149	0.000	5.77E+08	175.2023894
57.65959757	0.000	5.83E+08	76.24252293
55.90436332	0.000	6.51E+08	95.32737001
56.93442818	0.000	7.45E+08	74.85265039
60.54657803	0.000	7.53E+08	29.25555256
59.44104329	0.000	7.66E+08	91.00586873
59.73508402	0.000	7.91E+08	63.8661826
60.47602112	0.000	8.02E+08	112.9293155
55.7839457	0.000	8.56E+08	199.6125813
54.2115594	0.000	9.64E+08	156.9539724
56.4518889	0.000	9.67E+08	148.1273125
56.8958037	0.000	9.78E+08	134.5830412
58.17710011	0.000	9.86E+08	153.7822207
58.03326829	0.000	1.02E+09	129.9259562
57.69970759	0.000	1.07E+09	151.9536756
56.03531889	0.000	1.08E+09	122.3667505
55.94187257	0.000	1.12E+09	153.9333033
54.46399871	0.000	1.16E+09	178.7002949
56.21737033	0.000	1.17E+09	147.8085801
57.21994919	0.000	1.19E+09	121.3171615
57.63087864	0.000	1.30E+09	132.3349278
57.73263333	0.000	1.27E+09	179.9631964
56.89383718	0.000	1.29E+09	136.8139175
57.44696227	0.000	1.30E+09	178.0167651
57.82818045	0.000	1.38E+09	148.4702437

59.94073271	0.000	1.34E+09	55.23774569
59.82734097	0.000	1.36E+09	86.84662067
58.53337146	0.000	1.37E+09	142.7942159
58.62754365	0.000	1.38E+09	92.43477256
57.84932444	0.000	1.39E+09	118.7161245
59.03966516	0.000	1.42E+09	112.7986919
58.77367664	0.000	1.67E+09	147.8072685
60.54817828	0.000	1.94E+09	101.99675
61.21550788	0.000	1.94E+09	64.51818438
58.94048922	0.000	1.95E+09	156.3480733
58.8332503	0.000	1.99E+09	149.646118
59.32104593	0.000	2.00E+09	163.5849792
59.48088385	0.000	2.45E+09	145.7899198
59.459855	0.000	2.40E+09	180.0042856
60.48204131	0.000	2.50E+09	194.0606954
60.64523966	0.000	1.97E+09	119.1626336
59.39531044	0.000	1.97E+09	109.1232728
58.13966205	0.000	1.97E+09	199.9343849
57.28085145	0.000	1.97E+09	164.1015492
60.42151744	0.000	1.98E+09	137.9304677
59.68249899	0.000	2.33E+09	182.5780913
59.09719595	0.000	5.81E+09	178.2314538
59.59681067	0.000	6.16E+09	144.7550412
60.45283831	0.000	6.16E+09	104.752731
59.90822996	0.000	6.16E+09	134.5879749
60.39849889	0.000	6.15E+09	145.9021725
59.5816289	0.000	6.15E+09	145.6239392
59.20274269	0.000	6.14E+09	154.0395675
61.35894419	0.000	6.14E+09	145.3161178
61.93256862	0.000	6.39E+09	96.05087763
60.63668998	0.000	6.14E+09	143.9819178
60.13003411	0.000	6.15E+09	151.6197634
61.18794971	0.000	6.15E+09	165.6115588
59.08281805	0.000	6.16E+09	242.5597658
57.79310721	0.000	6.16E+09	314.8872403
59.42738174	0.000	6.16E+09	264.7445599
59.67116541	0.000	6.15E+09	246.840133
59.09096138	0.000	6.16E+09	212.047357
59.28163509	0.000	6.16E+09	207.2518892
59.52366076	0.000	6.15E+09	138.3640901
60.13086452	0.000	6.15E+09	144.012697
61.08303418	0.000	6.16E+09	134.170547
60.8111069	0.000	6.14E+09	168.9013435
60.51802773	0.000	6.14E+09	181.7026513
60.13151634	0.000	6.14E+09	137.7137404
60.256056	0.000	6.14E+09	120.0368676
60.90272122	0.000	6.14E+09	132.736196
60.39086407	0.000	6.14E+09	125.1705499
60.6416469	0.000	6.15E+09	159.9215112
59.83619081	0.000	6.15E+09	212.2236876
60.26746405	0.000	6.15E+09	182.2622656
60.48689712	0.000	6.15E+09	147.8004985

60.73220394	0.000	6.14E+09	143.9916105
60.23098728	0.000	6.14E+09	209.1030682
60.0825385	0.000	6.15E+09	202.8555175
60.43704124	0.000	6.20E+09	155.3710569
61.40816866	0.000	6.15E+09	156.5100358
60.71281475	0.000	6.13E+09	177.2709183
60.8329023	0.000	6.13E+09	160.1676909
61.22822477	0.000	6.13E+09	258.4831938
60.08875985	0.000	6.14E+09	203.7844516
60.73526429	0.000	6.15E+09	196.7106937
61.08201929	0.000	6.15E+09	188.0873235
61.37111228	0.000	6.15E+09	162.6622867
61.59215519	0.000	6.15E+09	193.7128056
62.56039143	0.000	6.15E+09	255.0593954
63.23850426	0.000	6.15E+09	150.1664519
62.09221287	0.000	6.16E+09	182.4832814
62.07045742	0.000	6.16E+09	185.4989024
62.28943236	0.000	6.16E+09	170.0055609
61.67826282	0.000	6.16E+09	235.1319051
61.88433791	0.000	6.16E+09	210.6737335
61.67743393	0.000	6.16E+09	213.4736846
61.50444905	0.000	6.16E+09	159.680588
62.52655545	0.000	6.17E+09	209.5843708
62.22197023	0.000	6.17E+09	208.8519713
62.50998972	0.000	6.17E+09	214.4231802
62.39571695	0.000	6.16E+09	273.4119909
62.22665094	0.000	6.16E+09	233.5598132
62.1274633	0.000	6.17E+09	299.5847202
62.68700805	0.000	6.17E+09	256.5965072
62.47208526	0.000	6.18E+09	225.0179282
62.04269163	0.000	6.19E+09	222.4055324
62.2621948	0.000	6.22E+09	215.8529716
62.71449544	0.000	6.18E+09	247.1482216
62.46045411	0.000	6.18E+09	254.2378509
62.66799578	0.000	6.18E+09	278.0434847
62.99358596	0.000	6.18E+09	322.0353778
61.29138093	0.000	6.18E+09	304.9159073
59.83891735	0.000	5.28E+09	361.981763
59.60339855	0.000	4.61E+09	347.2933989
59.06627598	0.000	3.85E+09	240.0681221
59.66044535	0.000	1.92E+09	181.6898898
60.65932935	0.000	9.66E+08	187.1309378
62.20425886	0.000	4.91E+08	150.8614898
62.77156269	0.000	9.31E+08	141.7479489
62.30398101	0.000	9.37E+08	151.0060842
61.54846027	0.000	7.56E+08	219.5101648
61.89742442	0.000	-2.38E+08	327.7760784
62.42535785	0.000	-2.41E+08	266.0005029
62.2213537	0.000	-2.44E+08	240.6047246
60.56272551	0.000	-2.47E+08	314.9703941
59.65423367	0.000	-2.53E+08	322.3669123
61.11784383	0.000	-2.56E+08	237.1753241

61.82011003	0.000	-2.51E+08	259.4242147
60.96000739	0.000	-2.48E+08	298.3616264
61.56414265	0.000	-2.40E+08	242.0407029
60.93536186	0.000	-2.28E+08	293.9932208
60.23991865	0.000	-2.26E+08	218.2484073
59.97215878	0.000	-2.30E+08	152.4502741
60.65223506	0.000	-2.22E+08	247.7331714
60.32063127	0.000	-1.79E+08	221.2738573
61.16013797	0.000	-2.38E+08	173.7035294
61.68166664	0.000	-2.29E+08	198.6356505
60.67854623	0.000	-2.06E+08	207.6401191
59.40072391	0.000	3.61E+08	340.2481629
59.30865958	0.000	-2.52E+08	241.6118996
59.83154303	0.000	-2.55E+08	228.2970831
60.15164568	0.000	-2.33E+08	221.0166627
60.40202	0.000	-1.10E+08	190.5787573
59.71430216	0.000	-2.36E+08	161.0416095
60.05954864	0.000	-2.41E+08	134.4171227
60.66772471	0.000	-2.28E+08	146.8084628
59.81636673	0.000	-2.20E+08	305.328383
58.5189561	0.000	-2.14E+08	293.4949874
59.40329063	0.000	2.29E+08	204.5441956
60.83997746	0.000	3.65E+08	214.2439269
61.29550467	0.000	-2.12E+08	166.6257477
60.24304033	0.000	-2.10E+08	283.4171994
58.394127	0.000	-2.02E+08	224.7306386
58.22382475	0.000	-2.00E+08	165.8183171
58.3848795	0.000	-1.95E+08	231.0670279
58.29825116	0.000	-1.82E+08	238.1588662
58.8151256	0.000	-1.87E+08	143.7468649
59.93902541	0.000	-1.85E+08	153.4044497
59.28207113	0.000	-1.70E+08	180.2197082
56.07532675	0.000	-1.63E+08	387.4691531
56.61732532	0.000	-1.61E+08	283.0043039
57.18856908	0.000	-1.52E+08	161.3815265
57.27742162	0.000	-1.49E+08	124.18431
57.45144035	0.000	-1.63E+08	124.5934129
58.20365661	0.000	-1.58E+08	138.1797217
57.74690927	0.000	-1.51E+08	201.7769541
57.523338	0.000	-1.47E+08	179.1356839
57.60874695	0.000	-1.43E+08	111.6791036
58.91587462	0.000	-1.46E+08	96.72655273
59.67243365	0.000	-4.73E+07	104.9351594
58.65786995	0.000	-1.43E+08	108.8237646
60.34658758	0.000	-1.38E+08	78.30662133
54.78363093	0.000	-1.26E+08	70.66206588
60.31306292	0.000	-1.26E+08	104.1194536
57.63795365	0.000	-1.19E+08	219.6872417
56.91736979	0.000	-1.19E+08	176.7133316
57.33079345	0.000	-8.89E+07	148.6114824
57.8186447	0.000	-1.19E+08	154.2733266
57.78505464	0.000	-1.25E+08	127.7231139

58.2956769	0.000	-1.39E+08	123.332387
59.59425036	0.000	1.02E+09	105.9742087
57.10507925	0.000	-4.93E+07	300.2408935
55.41097843	0.000	-1.60E+08	258.0376297
55.20039015	0.000	-1.59E+08	171.1162401
55.67126088	0.000	-1.47E+08	170.812012
56.77738744	0.000	-1.41E+08	124.5519413
58.55879031	0.000	-1.30E+08	121.9498121
55.88733253	0.000	-1.32E+08	248.1476271
55.32686865	0.000	-1.23E+08	163.750348
56.0382019	0.000	-1.26E+08	131.5095263
57.52860349	0.000	-1.27E+08	129.7595154
56.60645083	0.000	-1.34E+08	158.958577
55.14708101	0.000	-1.43E+08	143.1719726
57.63129394	0.000	-1.47E+08	124.827
57.59036355	0.000	-1.45E+08	187.834914
55.58672838	0.000	-1.61E+08	223.3776394
54.9138453	0.000	-1.64E+08	159.4526405
56.66269524	0.000	-8.08E+07	146.2461422
57.02721577	0.000	-1.67E+08	69.76041055
58.56731644	0.000	-1.65E+08	51.0017479
58.34892525	0.000	-1.67E+08	85.86291554
53.64424617	0.000	-1.81E+08	271.086656
52.45972632	0.000	-1.74E+08	184.1928944
53.36076121	0.000	-1.66E+08	166.2557744
54.21182455	0.000	-1.16E+08	164.6759764
54.20192124	0.000	-1.78E+08	256.2173987
51.98914954	0.000	-1.83E+08	180.4109653
53.98134336	0.000	-1.95E+08	195.972449
56.4309055	0.000	-1.80E+08	142.2427554
52.67857275	0.000	-1.81E+08	202.0183095
52.32880219	0.000	-1.83E+08	136.8959131
52.51289477	0.000	-1.75E+08	185.9874738
53.36390892	0.000	-1.67E+08	250.4139116
52.18834592	0.000	-1.79E+08	134.0691219
52.50418785	0.000	-1.85E+08	108.6161609
53.56772781	0.000	-1.85E+08	120.8041757
53.62924322	0.000	-1.83E+08	131.7737665
52.97232888	0.000	-1.77E+08	88.30443904
54.37665723	0.000	-1.85E+08	132.0777037
52.155378	0.000	-1.98E+08	158.8795934
54.05586756	0.000	-2.06E+08	134.5818701
53.28157105	0.000	-2.10E+08	123.014574
52.62064759	0.000	-2.14E+08	124.1701595
53.18982427	0.000	-2.08E+08	97.12678377
56.20453315	0.000	-2.03E+08	104.1275721
57.48786815	0.000	-1.26E+08	49.09633739
51.95218609	0.000	-2.11E+08	147.273575
51.64942049	0.000	-2.17E+08	124.0455279
55.31790084	0.000	-2.18E+08	138.3531268
54.80049278	0.000	-2.36E+08	91.67367293
54.32475392	0.000	-2.36E+08	71.62616753

55.32596529	0.000	-2.36E+08	60.48352857
53.30559554	0.000	-2.38E+08	80.42892482
53.91772427	0.000	-2.33E+08	83.5750297
51.67061321	0.000	-2.37E+08	93.21425512
51.14565088	0.000	-2.32E+08	101.930304
51.40823861	0.000	-2.26E+08	102.6193245
50.2330596	0.000	-2.22E+08	184.7438476
49.97624972	0.000	-2.18E+08	151.4371572
51.34497799	0.000	2.29E+08	86.27796369
51.18629907	0.000	-6.20E+07	74.39602357
53.46695249	0.000	-2.13E+08	60.66202854
56.7230348	0.000	-2.15E+08	17.22793032
53.39034226	0.000	-2.19E+08	54.74369651
51.54304749	0.000	-2.19E+08	83.57878077
51.49159421	0.000	-2.13E+08	55.29876055
51.43008227	0.000	-2.16E+08	81.56012387
50.9438205	0.000	-2.22E+08	143.1346607
50.91555209	0.000	-2.36E+08	133.3758846
51.02717332	0.000	-2.20E+08	108.8333525
50.89175722	0.000	-2.29E+08	113.1360196
50.82747713	0.000	-2.43E+08	96.54138264
50.10824213	0.000	-2.29E+08	69.75293311
51.07695924	0.000	-2.34E+08	135.2461749
50.75835326	0.000	-2.37E+08	117.2391527
50.92575238	0.000	-2.32E+08	96.45844171
51.19247704	0.000	-2.31E+08	62.96009028
52.07992303	0.000	-2.28E+08	70.70508584
52.96463556	0.000	-2.39E+08	31.05177361
52.4880758	0.000	-2.28E+08	31.5768098
52.51577367	0.000	-1.81E+08	31.74081999
53.38768181	0.000	-2.49E+08	55.51411342
50.68306421	0.000	-7.51E+08	78.21237231
51.03363635	0.000	-2.38E+08	78.99174374
49.39860042	0.000	-2.50E+08	96.50085492
48.21667946	0.000	-2.53E+08	157.7273027
49.16963835	0.000	-2.43E+08	142.2651805
49.57425525	0.000	-2.33E+08	88.64075198
50.33506681	0.000	-1.08E+08	92.67352548
48.39240581	0.000	-1.01E+08	86.93238474
49.29074091	0.000	-2.20E+08	77.64744648
49.92647803	0.000	-2.40E+08	48.18243653
50.9821107	0.000	-2.41E+08	55.37715615
53.40633872	0.000	-2.26E+08	47.06053488
51.29476724	0.000	-1.73E+08	68.92454435
52.44804162	0.000	2.75E+09	32.07230286
54.69337429	0.000	5.73E+09	6.010198089
55.8858566	0.000	6.22E+08	19.75247224
49.29362603	0.000	-2.43E+08	109.3047289
49.89193651	0.000	-2.47E+08	80.08802318
50.50485906	0.000	-2.48E+08	62.29871472
51.93291434	0.000	-2.38E+08	55.15425527
55.35536535	0.000	-2.33E+08	24.56717212

51.70387745	0.000	-2.40E+08	81.20918337
51.91122405	0.000	-2.43E+08	60.73328392
55.72500737	0.000	-2.48E+08	41.43004975
51.7786005	0.000	-2.47E+08	95.62272479
50.88064793	0.000	-2.42E+08	66.21429833
52.16240807	0.000	-2.40E+08	39.68551649
51.51252626	0.000	-2.40E+08	81.96204215
49.4958393	0.000	-2.41E+08	86.21271629
49.23947267	0.000	-2.42E+08	100.324233
47.94511126	0.000	-2.44E+08	169.698642
46.94194092	0.000	-2.44E+08	174.8961585
46.47489994	0.000	-2.44E+08	112.4098049
48.08735927	0.000	-1.95E+08	63.31284512
49.88529578	0.000	-2.43E+08	78.49016025
52.72380589	0.000	-2.42E+08	51.38144786
53.99544336	0.000	-2.46E+08	33.48668526
53.25148867	0.000	-2.30E+08	43.43553428
55.37479544	0.000	-2.29E+08	56.41038748
52.18243051	0.000	-2.22E+08	111.1987157
50.49382635	0.000	-2.24E+08	114.9429319
54.40643778	0.000	-1.71E+08	81.15913422
53.07527395	0.000	-2.38E+08	51.10132646
50.2306053	0.000	-2.25E+08	103.0895874
49.51428421	0.000	-2.27E+08	120.9203224
50.74878949	0.000	-2.16E+08	79.75308213
51.890666	0.000	-2.18E+08	57.25058795
54.61914174	0.000	-1.09E+08	4.151444756
54.9895598	0.000	-1.79E+08	2.586358539
54.9895598	0.000	-7.14E+07	3.059297108
54.93427548	0.000	-6.54E+07	5.101737053
56.82432268	0.000	-4.86E+07	52.41813524
56.22383781	0.000	-4.93E+07	67.75943821
55.34849007	0.000	-3.05E+07	34.85556763
55.78821044	0.000	6.07E+07	12.80655596
57.84545258	0.000	1.83E+08	22.11401972
51.8224717	0.000	1.79E+08	148.7707411
51.15899244	0.000	1.97E+08	116.6266831
51.94029028	0.000	2.16E+08	70.89549959
52.67683964	0.000	2.48E+08	171.8153607
50.74652952	0.000	2.79E+08	110.6342004
55.74667902	0.000	3.58E+08	92.15151526
56.82136789	0.000	4.15E+08	6.399695675
53.58415652	0.000	4.26E+08	63.78416736
49.73635636	0.000	4.43E+08	205.7038619
49.15664664	0.000	4.48E+08	166.1794784
49.880752	0.000	5.00E+08	131.4805189
50.87599423	0.000	6.40E+08	134.129263
52.63625173	0.000	6.43E+08	125.6015611
53.99303144	0.000	6.60E+08	62.62060908
55.64329442	0.000	6.91E+08	59.66198678
55.79321811	0.000	7.11E+08	20.90192309
54.79013585	0.000	7.25E+08	69.10073963

53.52345888	0.000	8.47E+08	54.20625161
54.83811937	0.000	8.53E+08	41.0166545
54.493846	0.000	8.70E+08	73.73418062
53.62148744	0.000	8.84E+08	203.72419
53.59737822	0.000	8.99E+08	142.5552314
52.99703212	0.000	9.35E+08	166.739144
53.42152474	0.000	1.06E+09	143.0819996
54.2404074	0.000	1.05E+09	85.49769419
57.1305143	0.000	1.06E+09	80.25413951
57.94507991	0.000	1.22E+09	61.03720568
54.33898169	0.000	1.22E+09	158.1640559
52.07082961	0.000	1.12E+09	120.8351008
52.38888315	0.000	1.24E+09	107.5135064
54.36479117	0.000	1.24E+09	64.30238652
54.8884683	0.000	1.25E+09	61.96170862
54.99021224	0.000	1.27E+09	38.10868732
54.68617083	0.000	1.29E+09	177.8211367
56.97396128	0.000	1.30E+09	86.47864369
59.54675044	0.000	1.44E+09	85.02801367
55.70996	0.000	1.45E+09	131.5629629
52.58878798	0.000	1.47E+09	109.6460897
53.31882941	0.000	1.48E+09	147.52717
53.52239626	0.000	1.50E+09	125.5102156
52.53078961	0.000	1.51E+09	109.2025334
53.76815575	0.000	1.54E+09	183.4146733
56.58517169	0.000	1.60E+09	139.7296217
59.56352269	0.000	1.61E+09	85.74331212
60.09943493	0.000	1.67E+09	56.48722104
58.12048962	0.000	1.74E+09	49.5335661
55.96636815	0.000	1.75E+09	102.1164291
56.58921989	0.000	1.76E+09	128.9361343
55.4828971	0.000	1.93E+09	198.7037009
56.55651697	0.000	5.83E+09	98.67341323
58.52037486	0.000	6.17E+09	103.0681929
59.31095177	0.000	6.16E+09	52.47398833
58.51870541	0.000	6.15E+09	43.05720469
60.24230377	0.000	6.15E+09	73.87917049
59.94029592	0.000	6.19E+09	101.6769369
56.35190299	0.000	6.16E+09	247.7587665
57.66335037	0.000	6.16E+09	236.5530768
57.02370232	0.000	6.16E+09	144.3410261
56.8059351	0.000	6.16E+09	150.7908684
57.22532395	0.000	6.15E+09	151.4093733
59.43139745	0.000	6.16E+09	78.35493344
57.57439351	0.000	6.15E+09	123.6163165
55.86039601	0.000	6.15E+09	186.799089
57.8015938	0.000	6.16E+09	121.7435325
59.1991398	0.000	6.16E+09	133.1881212
60.04263252	0.000	6.16E+09	91.14634495
58.82939864	0.000	6.16E+09	129.1176709
58.53633263	0.000	6.16E+09	128.0991371
54.80624233	0.000	6.16E+09	178.7451353

56.30226602	0.000	6.16E+09	125.4337696
57.52185015	0.000	6.17E+09	105.2022524
58.66781469	0.000	6.17E+09	106.645721
60.31864283	0.000	6.16E+09	148.6274137
57.13491276	0.000	6.16E+09	355.7188207
55.33386511	0.000	6.16E+09	209.0388807
56.27090887	0.000	6.18E+09	228.1458756
55.54368065	0.000	6.18E+09	200.0140847
56.66868723	0.000	6.16E+09	128.4317663
58.46526229	0.000	6.16E+09	56.61560511
59.77113725	0.000	4.17E+09	40.52172732
61.60483366	0.000	1.77E+09	41.87926923
61.72216982	0.000	1.47E+09	63.67678286
61.91952511	0.000	9.03E+08	105.1085667
60.36098217	0.000	-1.74E+08	168.656303
60.15977656	0.000	-2.65E+08	153.3754163
60.43881164	0.000	-2.62E+08	190.9611346
57.48743103	0.000	-2.67E+08	214.3384722
56.61972098	0.000	-2.62E+08	191.411384
56.17879674	0.000	-2.71E+08	199.7231276
56.34826425	0.000	-2.44E+08	186.3077242
56.29275083	0.000	-2.75E+08	170.3087983
57.31818822	0.000	1.66E+09	284.4040036
57.13037856	0.000	3.04E+09	165.1624325
58.08120596	0.000	-2.77E+08	211.0820152
58.08538527	0.000	-2.69E+08	188.8132132
57.64741272	0.000	-2.58E+08	194.8953104
57.64741272	0.000	-2.66E+08	197.74882
59.21839087	0.000	-2.66E+08	137.298458
59.07997646	0.000	-2.75E+08	142.8497859
60.53052756	0.000	-2.69E+08	146.8789291
60.65596954	0.000	-2.60E+08	137.2449872
59.6679997	0.000	-2.71E+08	127.691803
60.39034525	0.000	-2.61E+08	136.9629257
60.11445721	0.000	-2.61E+08	148.8498837
60.14796187	0.000	-2.71E+08	194.3810968
60.08465461	0.000	2.36E+08	150.1882385
61.06558816	0.000	-2.69E+08	143.599721
61.0022668	0.000	-2.42E+08	135.7384528
61.16812497	0.000	-2.47E+08	128.3820326
61.0980806	0.000	-2.75E+08	181.7892165
61.40055666	0.000	-2.73E+08	192.5229518
61.07933628	0.000	-2.55E+08	174.4118254
61.49652519	0.000	-2.71E+08	146.3266929
61.61820485	0.000	-2.31E+08	250.8962832
61.98168683	0.000	-2.48E+08	247.0728944
62.01300434	0.000	-2.67E+08	234.3621893
61.32741093	0.000	-2.71E+08	256.8285642
61.10363881	0.000	-2.25E+08	241.7867487
59.97325431	0.000	-2.55E+08	378.5439679
59.68447539	0.000	-2.63E+08	232.2607356
60.37432835	0.000	-2.53E+08	251.7954405

59.74939748	0.000	-2.51E+08	276.5276698
59.76711696	0.000	-2.61E+08	288.5611779
61.44357659	0.000	-2.49E+08	180.8545629
60.71454557	0.000	-2.41E+08	143.0980114
60.29822741	0.000	-2.52E+08	305.7143371
59.31867623	0.000	-2.55E+08	424.892825
59.94275147	0.000	-2.49E+08	300.562772
60.86445903	0.000	-2.44E+08	232.4719865
61.6270838	0.000	-2.61E+08	202.5251823
61.16791019	0.000	-2.61E+08	243.563913
61.36620077	0.000	-2.62E+08	228.563888
60.50429455	0.000	-2.54E+08	275.0383462
59.94625671	0.000	-2.50E+08	297.9412962
58.5700819	0.000	-2.50E+08	323.3520562
61.04425523	0.000	-2.53E+08	346.2089
61.34272712	0.000	-2.51E+08	221.9811281
60.19151237	0.000	-2.40E+08	273.8747931
61.19167467	0.000	-1.99E+08	215.9622628
60.85122001	0.000	-2.17E+08	151.1406469
61.44587679	0.000	-2.26E+08	137.7697288
61.32478482	0.000	-2.27E+08	239.3828201
60.68960828	0.000	-2.28E+08	360.4850953
59.74280885	0.000	-2.28E+08	300.2993785
59.7201161	0.000	-2.34E+08	212.6198914
60.05501784	0.000	-1.94E+08	224.2735438
60.27664989	0.000	-2.31E+08	180.2318072
59.14313826	0.000	-2.21E+08	182.6943081
60.00623041	0.000	-2.27E+08	213.2173379
60.55747973	0.000	-2.44E+08	208.8764319
60.10036145	0.000	-2.46E+08	212.807259
59.63594655	0.000	-2.36E+08	190.7415014
60.27660545	0.000	-2.28E+08	217.0954393
61.07531714	0.000	-2.35E+08	286.1203087
59.4738523	0.000	-2.35E+08	233.0889772
58.29360823	0.000	-2.38E+08	214.1986666
60.08623402	0.000	-2.39E+08	194.3485672
60.09689657	0.000	-2.44E+08	200.5246784
60.02665374	0.000	-2.46E+08	188.1622039
60.27737548	0.000	-2.32E+08	191.6977591
60.23930007	0.000	-2.30E+08	221.0256788
60.13449893	0.000	-2.26E+08	202.6942238
59.28278967	0.000	-2.12E+08	216.0790029
60.01032843	0.000	-2.14E+08	271.6248553
59.4474906	0.000	-2.12E+08	252.5059666
58.74054923	0.000	-2.16E+08	264.6228931
58.2206362	0.000	-1.92E+08	291.169337
59.50910887	0.000	-2.16E+08	186.0266657
59.7105089	0.000	-2.20E+08	175.8834012
60.22622964	0.000	-2.14E+08	186.8137818
60.10119118	0.000	-2.01E+08	156.5253874
60.31427764	0.000	-2.08E+08	137.0027579
60.53775803	0.000	-2.09E+08	187.3357047

59.74140402	0.000	-1.67E+08	194.4636045
59.84598948	0.000	-1.95E+08	214.8882564
60.67647066	0.000	-2.01E+08	153.8452887
61.10818394	0.000	-1.89E+08	163.9352591
60.33443486	0.000	-1.78E+08	185.8995184
60.10580482	0.000	-1.71E+08	233.8990535
60.22907129	0.000	-1.58E+08	179.0401888
59.83896661	0.000	-1.51E+08	205.1883292
59.71700563	0.000	-1.57E+08	215.331758
59.93958447	0.000	-1.41E+08	157.0729446
60.11048979	0.000	-1.43E+08	216.8035638
59.61403108	0.000	-1.42E+08	268.9885305
59.79836453	0.000	-1.53E+08	287.1370581
60.20869506	0.000	-1.49E+08	204.5123464
60.03092748	0.000	-1.45E+08	174.6473213
60.10922743	0.000	-1.39E+08	191.3112092
60.33593063	0.000	-1.45E+08	219.3034832
60.51659622	0.000	-1.32E+08	391.6670836
61.16661558	0.000	-1.51E+08	257.8460051
60.31527699	0.000	-1.56E+08	171.6479691
60.36148698	0.000	-1.65E+08	128.828855
60.49761617	0.000	-1.72E+08	151.0129427
59.37443313	0.000	-1.64E+08	169.5240823
59.47435386	0.000	-1.61E+08	169.9195593
59.4123947	0.000	-1.46E+08	250.3284296
57.96405615	0.000	-1.47E+08	275.2077983
58.12522937	0.000	-1.45E+08	279.8213349
57.97399591	0.000	-1.52E+08	192.641051
59.75983061	0.000	-1.04E+08	229.8837854
58.54131632	0.000	-1.64E+08	336.7982903
58.51057634	0.000	-1.71E+08	294.6054326
58.23756221	0.000	-1.62E+08	197.6998102
58.36249317	0.000	-1.57E+08	201.9759395
59.35559073	0.000	-1.53E+08	237.4228597
58.70007012	0.000	-1.42E+08	304.5696668
57.94802379	0.000	-1.32E+08	201.6756358
58.47370331	0.000	-1.65E+08	175.835553
57.59166989	0.000	-1.68E+08	187.801744
59.13813373	0.000	-1.55E+08	212.950011
59.36146084	0.000	-1.54E+08	156.2738017
57.26383914	0.000	-1.53E+08	208.6968508
57.59050675	0.000	-1.42E+08	164.1780446
57.88601363	0.000	-1.39E+08	179.1826659
58.35268335	0.000	-1.35E+08	122.2073351
57.72827663	0.000	-1.38E+08	272.7579529
54.64320772	0.000	-1.32E+08	353.9045711
54.92078624	0.000	-1.43E+08	284.4099357
55.52481959	0.000	-1.47E+08	225.7208301
56.01176151	0.000	-1.33E+08	185.8808824
55.80882957	0.000	-1.51E+08	279.2142726
56.63998929	0.000	-1.49E+08	119.3455393
55.98552368	0.000	-1.51E+08	179.499251

55.55059308	0.000	-1.53E+08	188.8241736
55.19227921	0.000	-1.51E+08	129.0373337
56.19466708	0.000	-1.49E+08	154.312678
57.87843417	0.000	-1.47E+08	126.0131709
56.93741523	0.000	-1.26E+08	164.4448282
57.71875136	0.000	-1.43E+08	122.2799232
58.22214359	0.000	-1.48E+08	76.90373116
57.50736758	0.000	-1.53E+08	123.307667
55.30200302	0.000	-1.61E+08	315.7652415
55.11348069	0.000	-1.61E+08	183.5436026
55.24453912	0.000	-1.49E+08	126.0760355
57.32446835	0.000	-4.26E+07	97.21457044
58.01415599	0.000	-6.54E+07	126.5557126
56.98916435	0.000	-3.72E+07	135.6031354
56.82406003	0.000	4.80E+07	123.7768811
57.03502113	0.000	1.39E+08	65.35934255
57.82316537	0.000	1.51E+08	70.52403768
58.42424616	0.000	1.80E+08	82.60636285
56.00477883	0.000	2.07E+08	135.2009007
58.92891103	0.000	2.22E+08	144.357578
58.38487818	0.000	3.07E+08	178.4392104
55.688944	0.000	3.56E+08	115.9276774
53.30054759	0.000	3.89E+09	187.1126336
52.79207385	0.000	6.78E+09	220.5851228
53.1959438	0.000	4.70E+09	164.817932
55.67239024	0.000	5.58E+08	116.8747756
57.23495555	0.000	5.60E+08	45.52812749
57.68539877	0.000	5.65E+08	49.49475875
58.48176629	0.000	5.98E+08	55.19917592
54.55497839	0.000	7.09E+08	233.299758
52.47612721	0.000	7.11E+08	238.2934119
51.90153406	0.000	7.29E+08	213.5988738
51.60478934	0.000	7.34E+08	198.3788459
51.75858857	0.000	9.90E+08	152.5473968
51.80873987	0.000	5.87E+09	168.9871972
51.16046173	0.000	6.18E+09	209.4541799
51.27780967	0.000	6.18E+09	127.8444761
52.29613136	0.000	6.19E+09	94.88456939
53.98854538	0.000	6.19E+09	75.73432115
54.84546863	0.000	6.20E+09	64.7015803
53.82022867	0.000	6.20E+09	101.0724634
51.845554	0.000	6.20E+09	137.0767881
52.3302632	0.000	6.20E+09	205.0579911
52.17256172	0.000	6.21E+09	121.4764405
53.01948935	0.000	6.20E+09	88.41070768
54.93993401	0.000	6.19E+09	54.52189302
56.56439062	0.000	6.20E+09	65.79716513
51.93924942	0.000	6.20E+09	221.3564754
50.68147737	0.000	6.19E+09	114.5043948
50.82077965	0.000	6.19E+09	99.94932488
52.48599647	0.000	6.18E+09	88.70505296
56.5145756	0.000	6.17E+09	16.60300504

54.75163113	0.000	6.18E+09	91.45194014
52.38064765	0.000	6.17E+09	75.29726267
53.67572366	0.000	6.17E+09	124.0868635
51.96170643	0.000	6.17E+09	93.60030176
52.85413825	0.000	6.17E+09	117.8830637
52.66172009	0.000	6.16E+09	89.49827224
52.43599561	0.000	6.17E+09	93.90570777
52.51167195	0.000	6.17E+09	155.8679223
52.47467592	0.000	6.18E+09	121.8575985
54.6347716	0.000	6.17E+09	65.49213669
55.35632652	0.000	6.17E+09	17.42860457
54.69444493	0.000	6.16E+09	49.97519808
53.64268695	0.000	6.16E+09	134.9941459
53.19918737	0.000	6.16E+09	105.1640182
53.25878948	0.000	6.16E+09	46.28415098
54.03635771	0.000	6.16E+09	36.73691697
54.64791898	0.000	6.16E+09	33.77446516
52.46281613	0.000	5.26E+09	80.72304024
49.45217202	0.000	3.32E+09	154.0002672
49.42176834	0.000	1.43E+09	91.14961807
51.06265841	0.000	-1.98E+07	99.58620706
54.25638942	0.000	-2.09E+08	93.5038725
56.15952729	0.000	-2.09E+08	31.13963122
52.05182287	0.000	-2.13E+08	102.1867674
52.0520476	0.000	-2.21E+08	68.05405211
53.71417795	0.000	1.93E+09	55.45857478
54.23935197	0.000	6.15E+09	56.12278086
56.76887	0.000	6.15E+09	8.471619346
56.35731627	0.000	1.14E+10	11.95939455
54.77120044	0.000	1.03E+10	24.79321317
51.87231114	0.000	2.17E+09	92.15430874
53.88205464	0.000	-7.77E+08	60.46610688
56.08871231	0.000	-2.58E+08	15.14325193
56.35553545	0.000	-2.57E+08	10.15428539
57.13300285	0.000	-2.54E+08	14.13721789
56.01128639	0.000	-2.50E+08	117.9843404
53.33724104	0.000	-2.53E+08	114.3477733
51.42416717	0.000	-2.39E+08	119.9557209
51.18631057	0.000	-2.36E+08	101.2412798
52.33520365	0.000	-2.38E+08	158.4376985
50.25301334	0.000	-2.38E+08	164.0259514
50.17202877	0.000	-2.38E+08	133.7763339
49.54971312	0.000	-1.77E+08	90.86799962
49.84185281	0.000	-2.36E+08	80.28362182
50.91401559	0.000	-2.34E+08	94.04836185
53.26147899	0.000	-2.27E+08	118.1406493
48.68945585	0.000	-2.26E+08	194.87376
47.91021794	0.000	3.60E+09	185.2681361
47.47567059	0.000	6.17E+09	105.5769897
51.47082699	0.000	6.17E+09	111.4036019
51.64680728	0.000	6.17E+09	81.6076766
53.52859034	0.000	6.16E+09	46.58177145

55.70529342	0.000	6.17E+09	32.92095527
52.61523571	0.000	6.16E+09	55.07083246
54.00848974	0.000	6.16E+09	54.47768645
52.04307902	0.000	6.15E+09	101.529148
52.21845119	0.000	6.16E+09	72.4721357
53.90039374	0.000	6.18E+09	52.52752814
51.28773677	0.000	6.16E+09	89.83361081
50.96125185	0.000	6.16E+09	80.54969753
52.25823202	0.000	6.16E+09	58.02741997
54.39538096	0.000	6.16E+09	48.38059635
53.62732474	0.000	6.16E+09	41.77421958
54.14625963	0.000	6.16E+09	33.7877247
52.85003151	0.000	6.17E+09	56.34687629
53.68488409	0.000	6.17E+09	37.45156228
53.09414104	0.000	6.17E+09	55.0793953
52.54871701	0.000	6.17E+09	42.74595281
51.35010379	0.000	6.17E+09	91.40326347
50.82900639	0.000	6.17E+09	76.21695728
51.3502802	0.000	6.16E+09	54.13395252
51.28359257	0.000	6.16E+09	95.83977563
52.17224546	0.000	6.16E+09	70.8138075
51.33110397	0.000	6.17E+09	121.2608024
51.4504597	0.000	6.17E+09	63.17250592
52.87760851	0.000	6.17E+09	40.59301886
52.10046013	0.000	6.17E+09	79.27488865
52.5440694	0.000	6.16E+09	105.6788502
53.7686595	0.000	6.16E+09	102.9413931
57.69097652	0.000	6.16E+09	63.23875068
55.90789502	0.000	6.16E+09	39.63968801
56.13434173	0.000	6.16E+09	14.31074084
56.8952654	0.000	6.17E+09	40.02758143
53.43390236	0.000	6.16E+09	74.2908402
54.1188107	0.000	6.15E+09	90.03639341
52.53103363	0.000	6.17E+09	97.94454126
53.77665026	0.000	5.79E+09	69.97464794
58.24859578	0.000	3.25E+09	4.614340702
55.70420482	0.000	3.30E+08	12.07403667
54.54549136	0.000	-2.28E+08	28.12967773
58.45014273	0.000	-2.38E+08	6.462518406
53.56896008	0.000	-2.38E+08	84.34836848
52.98584547	0.000	-2.08E+08	64.00881544
54.24460464	0.000	-2.46E+08	41.49997968
55.52620145	0.000	-2.55E+08	176.545714
53.5645781	0.000	-2.52E+08	115.9463011
55.37555332	0.000	-2.45E+08	123.5862347
53.63243293	0.000	-2.43E+08	140.897154
55.50258347	0.000	-2.40E+08	73.56409094
55.31801089	0.000	-2.09E+08	90.60489149
54.27832026	0.000	-2.40E+08	164.9218323
53.58917756	0.000	-2.48E+08	125.2491661
55.89549556	0.000	-2.34E+08	49.6997475
54.70607679	0.000	-2.36E+08	158.4044357

52.61732202	0.000	-2.36E+08	144.1378656
53.91327458	0.000	-2.36E+08	133.4718969
55.52274192	0.000	-2.32E+08	67.59050293
52.78562958	0.000	-2.30E+08	93.55767873
53.659089	0.000	-2.24E+08	67.63946416
55.75205048	0.000	-2.20E+08	70.67220984
57.4778565	0.000	-2.28E+08	110.9260684
53.44268244	0.000	-2.19E+08	116.0429137
53.57331557	0.000	-2.23E+08	141.0106245
54.06671177	0.000	-2.14E+08	105.0690945
57.37631075	0.000	-2.11E+08	94.38812188
55.92591628	0.000	-2.14E+08	117.0233959
57.31384419	0.000	-1.79E+08	78.58100502
58.80268319	0.000	-2.11E+08	70.91474281
58.00802393	0.000	-2.14E+08	74.77466544
54.84835442	0.000	-2.14E+08	262.4553644
55.33830432	0.000	-2.10E+08	317.9770509
56.36424917	0.000	-1.66E+08	146.5356461
56.95263475	0.000	-1.99E+08	91.78202859
58.96784883	0.000	-2.02E+08	69.73283413
57.79336469	0.000	-2.02E+08	63.77296859
57.77489612	0.000	-2.07E+08	41.41008728
59.05383575	0.000	4.66E+07	93.56426148
56.93420121	0.000	-7.48E+07	209.817504
54.06520976	0.000	-2.08E+08	294.8846678
52.85513	0.000	-2.08E+08	196.4004819
55.6966956	0.000	-1.97E+08	158.5877949
56.55632193	0.000	-1.91E+08	79.5995767
57.67470539	0.000	-1.85E+08	115.9219807
55.10085697	0.000	-1.87E+08	180.0548126
55.28075673	0.000	-1.93E+08	112.3962921
56.76668732	0.000	-1.96E+08	174.2589614
55.45209247	0.000	-1.96E+08	160.1426458
54.84362015	0.000	-1.93E+08	322.4766801
56.36357584	0.000	-1.90E+08	222.2749403
55.8118583	0.000	-1.89E+08	116.2217137
54.73419405	0.000	-1.85E+08	91.620764
54.55710692	0.000	-1.64E+08	100.8443292
53.80446019	0.000	-1.84E+08	136.4857153
55.23426112	0.000	-1.91E+08	151.6244047
56.19107194	0.000	-1.90E+08	110.2292444
56.74247519	0.000	-1.91E+08	101.7635091
55.8386726	0.000	-1.94E+08	105.7224047
55.88378036	0.000	-2.00E+08	75.65274261
56.18479792	0.000	-1.53E+08	105.0564539
57.1405785	0.000	-1.93E+08	115.0175306
58.9234961	0.000	-2.07E+08	125.1659653
57.8577941	0.000	-2.02E+08	181.324279
58.11274203	0.000	-1.98E+08	130.5029282
57.61969696	0.000	-1.94E+08	257.2762481
57.48717056	0.000	-1.91E+08	186.1248184
58.77519122	0.000	-1.89E+08	225.0457921

57.51121035	0.000	-1.89E+08	222.2392257
56.91502025	0.000	-2.01E+08	156.6937772
57.29358889	0.000	-2.01E+08	116.6245242
53.42169061	0.000	-1.96E+08	168.9281626
56.16507678	0.000	-1.91E+08	165.2180858
59.24457908	0.000	-2.04E+08	213.3347393
57.07925023	0.000	-2.12E+08	185.838961
56.94541161	0.000	-2.10E+08	145.9351103
58.91448068	0.000	-2.06E+08	180.0004305
57.11522103	0.000	-1.93E+08	281.0452393
57.84513043	0.000	-1.97E+08	235.5236874
60.07280598	0.000	-1.97E+08	106.599171
62.53061882	0.000	-1.96E+08	123.355463
60.30715622	0.000	-1.62E+08	97.55410058
58.36124314	0.000	-1.83E+08	274.1048651
57.18965231	0.000	-1.93E+08	262.2606007
57.4593715	0.000	-1.83E+08	197.8751708
59.04039198	0.000	-1.82E+08	140.7860417
59.71110242	0.000	-1.70E+08	138.6455121
57.22911596	0.000	-1.73E+08	159.6145728
56.73146197	0.000	-1.55E+08	208.4434792
56.27275438	0.000	-1.97E+08	258.3092469
56.91051688	0.000	-2.00E+08	193.0249103
58.3894864	0.000	-1.92E+08	90.77610825
59.38151525	0.000	-1.90E+08	94.75952296
59.00595694	0.000	-1.94E+08	92.43222354
58.23840818	0.000	-1.94E+08	122.3980449
55.76666248	0.000	-1.95E+08	263.4519137
56.4123367	0.000	-1.96E+08	277.506485
56.83340161	0.000	-1.89E+08	214.5955131
56.49965278	0.000	-1.81E+08	233.5676213
56.1370165	0.000	-1.97E+08	232.758358
57.01874707	0.000	-1.93E+08	197.9708234
57.73423621	0.000	-1.96E+08	147.4644997
59.17935811	0.000	-1.89E+08	129.6206382
59.37056318	0.000	-1.91E+08	140.8929435
59.58588066	0.000	3.20E+08	129.7031704
60.27760994	0.000	-1.85E+08	117.7050218
59.50370604	0.000	-2.05E+08	105.4092451
59.04421656	0.000	-2.10E+08	180.5716929
58.83780779	0.000	-2.08E+08	177.0410134
60.27996337	0.000	-1.73E+08	137.0213678
61.34238444	0.000	-2.00E+08	123.7620912
61.18823551	0.000	-2.07E+08	168.1440595
61.2276634	0.000	-2.71E+08	152.258657
61.71356939	0.000	-2.57E+08	156.5153788
62.19743821	0.000	-2.56E+08	164.5020186
62.01993931	0.000	-2.54E+08	207.1996144
62.09843334	0.000	-2.57E+08	222.0591741
62.50545482	0.000	-2.67E+08	179.8502321
61.74071775	0.000	-2.61E+08	193.5905753
60.81046253	0.000	-2.12E+08	254.068035

60.48595612	0.000	-2.08E+08	244.3024855
60.02492952	0.000	-2.02E+08	246.1564935
60.24223773	0.000	-1.99E+08	205.0375942
59.93625573	0.000	-1.74E+08	173.8892211
60.15610903	0.000	-2.06E+08	143.4094599
61.99338657	0.000	-2.11E+08	213.0924084
62.87314809	0.000	-1.93E+08	296.2885237
60.90450078	0.000	-2.00E+08	276.9319225
60.29374174	0.000	-2.03E+08	233.2086861
60.90394894	0.000	-1.87E+08	177.0461973
61.2258003	0.000	-1.95E+08	213.5422627
61.66905839	0.000	-1.94E+08	241.1599889
59.94881914	0.000	-2.02E+08	253.0290813
60.14667283	0.000	-2.02E+08	255.3652011
60.81668415	0.000	-2.05E+08	229.4610322
61.55550606	0.000	-2.01E+08	207.5274067
62.06516541	0.000	-1.96E+08	197.1020432
62.66628816	0.000	-1.47E+08	234.9846215
60.99309326	0.000	1.05E+08	199.092387
61.2306229	0.000	5.85E+09	191.163318
62.67395315	0.000	6.20E+09	220.0046345
62.18506143	0.000	6.21E+09	200.0059304
60.49275808	0.000	6.20E+09	303.0803118
61.40099944	0.000	6.20E+09	193.9763712
60.62007108	0.000	6.19E+09	198.3539605
60.13124915	0.000	6.20E+09	181.5602476
59.13997507	0.000	6.21E+09	277.4361482
59.36091729	0.000	6.21E+09	238.9895747
60.66912332	0.000	6.22E+09	178.9086451
61.88507596	0.000	6.22E+09	152.4423927
62.46600966	0.000	6.21E+09	128.173188
61.23880287	0.000	6.21E+09	292.5010867
59.51415205	0.000	6.21E+09	332.6093218
59.71578706	0.000	6.21E+09	300.4242388
60.25470701	0.000	6.22E+09	237.0273128
60.96152255	0.000	6.21E+09	242.7203563
61.4026247	0.000	6.22E+09	192.9773072
59.88076873	0.000	6.22E+09	185.5449146
59.54560905	0.000	6.22E+09	246.570853
59.3012726	0.000	6.22E+09	297.6742965
59.56681337	0.000	6.22E+09	226.5298151
59.83586422	0.000	6.23E+09	225.2196446
60.13299111	0.000	6.21E+09	242.138241
60.26474951	0.000	6.21E+09	218.4664665
60.86610452	0.000	6.20E+09	173.175057
61.60166164	0.000	6.21E+09	144.1787196
61.61366171	0.000	6.20E+09	182.4332628
61.2309703	0.000	6.22E+09	178.1025884
61.59259022	0.000	6.22E+09	157.8089045
62.95798385	0.000	6.22E+09	192.6820088
63.35095422	0.000	4.53E+09	211.2068251
61.56090015	0.000	2.74E+09	273.2519204

59.87758026	0.000	1.36E+09	227.6296169
59.51454445	0.000	2.13E+09	266.6871606
60.53118118	0.000	1.34E+09	233.4029274
60.37130203	0.000	2.63E+08	323.6696175
58.94347676	0.000	-9.49E+07	283.1928511
59.36094868	0.000	-8.75E+07	252.4802384
59.44880336	0.000	2.36E+06	227.1973098
59.76884472	0.000	1.98E+07	210.691358
59.97639491	0.000	3.66E+07	216.6430481
60.80168157	0.000	4.19E+07	205.6112502
60.23269128	0.000	3.86E+07	268.9125251
60.03491984	0.000	5.13E+07	252.0330143
60.28662767	0.000	4.66E+07	230.1192992
60.31417867	0.000	4.13E+07	155.0340857
61.26614471	0.000	4.86E+07	171.7661403
60.34546418	0.000	3.86E+07	322.2183316
58.11933045	0.000	3.52E+07	476.9311793
58.58916233	0.000	3.39E+07	282.5224506
59.72160459	0.000	2.78E+07	264.8172908
60.72851587	0.000	5.71E+06	186.4354219
60.40817296	0.000	3.03E+06	184.4684726
59.48637722	0.000	-2.34E+06	161.2697437
59.92468327	0.000	8.39E+06	159.6804757
59.30062338	0.000	6.38E+06	174.52234
59.90569004	0.000	1.11E+07	138.1917385
59.96414776	0.000	6.38E+06	225.2310063
59.426087	0.000	1.44E+07	145.804421
59.35214498	0.000	2.05E+07	130.3791628
59.53822702	0.000	6.13E+08	160.527194
59.74778224	0.000	-1.28E+08	156.8869392
59.51336993	0.000	-1.22E+08	131.1434455
59.95341915	0.000	-1.11E+08	142.0365181
61.01474825	0.000	-9.15E+07	191.7288548
58.16903984	0.000	-9.36E+07	386.6769476
57.26075484	0.000	-8.95E+07	225.1432984
58.71548863	0.000	-6.87E+07	244.585885
57.17149497	0.000	2.70E+08	240.2436985
56.75941468	0.000	6.71E+08	183.2936204
58.15187081	0.000	4.74E+08	182.0885152
58.5707539	0.000	-5.73E+07	206.4984548
58.62855079	0.000	-9.36E+07	162.1670559
59.13219354	0.000	-1.20E+08	293.4123014
59.92427908	0.000	-1.24E+08	317.7882911
57.46969186	0.000	-1.20E+08	240.5032828
55.79885393	0.000	-1.06E+08	226.7045423
56.71128057	0.000	-1.02E+08	212.3981627
58.58589347	0.000	-9.29E+07	138.5234877
59.64522529	0.000	-1.06E+08	83.23343275
60.32854426	0.000	-1.05E+08	82.12812469
60.03381346	0.000	-1.04E+08	100.3889185
59.4474906	0.000	-9.82E+07	119.7843084
59.52498853	0.000	-1.03E+08	112.251735

60.60021452	0.000	-9.42E+07	106.9016721
58.73818406	0.000	-2.11E+07	212.786197
57.26445822	0.000	-1.13E+08	162.1657676
57.7953041	0.000	-1.18E+08	148.0015783
58.96763557	0.000	-1.15E+08	130.4214484
55.64431347	0.000	-9.96E+07	283.7337457
55.54871389	0.000	-1.16E+08	251.5816529
54.90724468	0.000	-1.10E+08	241.1422992
55.01629682	0.000	-9.82E+07	242.0891591
55.14057386	0.000	-1.03E+08	228.5642948
55.75962439	0.000	-9.42E+07	160.1865528
55.66367478	0.000	-9.62E+07	177.525126
55.02951997	0.000	-9.15E+07	225.505962
53.35875637	0.000	-7.95E+07	196.8762613
54.71159122	0.000	-6.87E+07	192.6447221
56.72879561	0.000	-8.82E+07	124.3599556
55.17671813	0.000	-1.02E+08	127.4415713
56.26122727	0.000	-1.02E+08	147.8778911
53.89859209	0.000	-1.04E+08	202.154867
54.22776794	0.000	-1.13E+08	136.7776464
54.99646043	0.000	-1.17E+08	112.1836615
55.34987299	0.000	-1.13E+08	89.76676729
56.9875998	0.000	-1.13E+08	74.97941618
56.78216789	0.000	-1.19E+08	166.7824348
55.66344558	0.000	-1.05E+08	201.9636894
54.88530477	0.000	-1.02E+08	158.4859531
53.32694426	0.000	-1.18E+08	157.1611304
54.17741336	0.000	-1.20E+08	161.4350022
54.37436255	0.000	-1.14E+08	158.7260164
54.17881582	0.000	-1.12E+08	132.4493482
54.89443809	0.000	-1.16E+08	131.2431001
54.55482815	0.000	-1.26E+08	93.00297593
54.98730776	0.000	-1.04E+08	118.5110285
54.45099341	0.000	-1.09E+08	125.6091953
52.685752	0.000	-1.34E+08	189.5500615
52.78562958	0.000	-1.29E+08	133.6495182
54.00856083	0.000	-1.35E+08	106.6712643
53.21034306	0.000	-1.35E+08	227.3605307
51.58567285	0.000	-1.35E+08	134.8693338
51.69267879	0.000	-1.44E+08	112.4076524
52.31489563	0.000	-1.43E+08	101.5892901
53.57367667	0.000	-1.45E+08	100.6915492
53.77367558	0.000	-1.43E+08	71.37549302
55.19973103	0.000	-1.40E+08	55.19534833
54.2148549	0.000	-1.38E+08	64.19365216
53.03856698	0.000	-1.40E+08	193.2182697
51.75379253	0.000	-1.40E+08	128.6256064
54.3187064	0.000	-1.46E+08	145.229772
55.364038	0.000	-1.51E+08	137.0041287
54.96039492	0.000	-1.52E+08	120.5733874
56.02885048	0.000	-1.51E+08	59.8954739
54.91574823	0.000	-1.61E+08	38.98487213

54.31947781	0.000	-1.60E+08	141.0174622
52.86876323	0.000	-1.53E+08	106.7385975
53.00644051	0.000	-1.36E+08	92.55493122
55.00604813	0.000	-1.55E+08	39.68167125
54.01576641	0.000	-1.55E+08	120.9367813
51.61236578	0.000	-1.71E+08	173.9728659
51.92597914	0.000	-1.76E+08	157.4166596
51.52201151	0.000	-1.68E+08	77.35250209
52.40922614	0.000	-1.61E+08	62.08363792
52.6225689	0.000	-1.36E+08	59.21867783
53.51007374	0.000	-1.65E+08	51.87250591
52.73318957	0.000	-1.57E+08	55.81801557
51.60166552	0.000	-1.63E+08	74.8663576
51.73046843	0.000	-1.59E+08	94.28755806
51.31932398	0.000	-1.60E+08	79.9065317
52.41301203	0.000	-1.65E+08	59.01420001
53.17328727	0.000	-1.60E+08	69.49784233
52.82619231	0.000	-1.61E+08	82.29246018
53.70725192	0.000	-1.56E+08	81.78117124
54.50249661	0.000	-1.58E+08	76.43855772
53.09256074	0.000	-1.24E+08	80.05064406
52.25737143	0.000	-1.42E+08	68.33349301
53.91389699	0.000	-1.74E+08	48.6760846
53.00937613	0.000	-1.73E+08	56.51001649
54.37800664	0.000	-1.71E+08	35.57614859
53.68108367	0.000	-1.70E+08	42.00157748
51.74144593	0.000	-1.76E+08	98.43611034
51.38612892	0.000	-1.81E+08	110.6455872
50.82621574	0.000	-1.37E+08	98.98306697
51.97015246	0.000	-1.38E+08	145.6033359
51.67791294	0.000	-1.95E+08	153.1077832
50.26602342	0.000	-7.02E+08	130.8038509
53.73628778	0.000	-1.96E+08	114.7438921
54.53417707	0.000	-2.02E+08	69.62426582
55.04707489	0.000	-2.02E+08	12.78407492
55.77474877	0.000	-1.99E+08	8.568203543
57.11918668	0.000	-2.06E+08	1.021564886
57.77753739	0.000	-2.15E+08	0
58.34335396	0.000	-2.12E+08	0.151717557
57.08087688	0.000	-2.09E+08	52.20451341
53.41149586	0.000	-2.03E+08	60.46807675
52.89324203	0.000	-1.95E+08	59.16979687
52.89849969	0.000	-1.98E+08	70.860327
54.24497025	0.000	-1.93E+08	57.56810147
51.51468743	0.000	-1.71E+08	123.898588
51.41400019	0.000	-2.09E+08	101.3500406
52.37969695	0.000	-2.03E+08	82.90888821
52.63796993	0.000	-2.02E+08	58.67269256
52.29510609	0.000	-1.85E+08	68.60260993
51.76020012	0.000	-1.77E+08	55.47704731
52.03070655	0.000	-1.71E+08	119.3032755
51.36197844	0.000	-1.77E+08	79.04121215

52.21891707	0.000	-1.78E+08	65.75718053
53.62486167	0.000	-1.77E+08	36.79214537
53.12059618	0.000	-1.68E+08	70.02885202
52.19192007	0.000	-1.62E+08	81.50429145
52.12823177	0.000	-1.47E+08	72.66582585
52.28652881	0.000	-1.51E+08	94.57669559
52.80336285	0.000	-2.02E+08	100.9769819
53.75739349	0.000	-2.20E+08	59.1509841
53.91584533	0.000	-2.10E+08	74.96256958
52.08068606	0.000	-1.98E+08	103.4468025
51.93632686	0.000	-1.93E+08	61.84670287
52.09509185	0.000	-2.07E+08	53.73098876
53.02683056	0.000	-2.15E+08	57.61651357
52.75719255	0.000	-2.10E+08	114.2611948
52.51095095	0.000	-2.00E+08	91.96102633
51.72316596	0.000	-2.00E+08	62.4602673
52.27749427	0.000	-2.10E+08	82.85161277
52.70630891	0.000	-2.10E+08	97.20667671
51.70456842	0.000	-2.06E+08	60.01906572
52.39253685	0.000	-1.93E+08	48.03245208
54.04364182	0.000	-1.87E+08	31.09805616
55.83705809	0.000	-2.01E+08	41.91134215
53.14740852	0.000	-1.96E+08	56.0612064
52.479736	0.000	-1.95E+08	100.2793212
51.83878462	0.000	-1.75E+08	79.54393851
52.29662104	0.000	-1.64E+08	77.60489597
56.05920609	0.000	-1.79E+08	10.76344785
55.3939492	0.000	-1.79E+08	36.55514778
55.88172231	0.000	-1.79E+08	57.52880254
54.03693442	0.000	-1.83E+08	38.78002164
55.06173365	0.000	-1.80E+08	86.58677683
54.01075342	0.000	-1.80E+08	60.41540785
53.19396723	0.000	-1.83E+08	93.88689207
53.78714838	0.000	-1.92E+08	140.7352695
55.58707198	0.000	-1.95E+08	116.8608819
54.83690185	0.000	-1.82E+08	59.25600644
54.99197829	0.000	5.44E+09	37.53308652
56.45580561	0.000	3.84E+09	11.49304989
55.71910114	0.000	2.05E+09	32.33691894
54.15043912	0.000	-1.67E+08	45.73388996
53.48419108	0.000	-1.68E+08	113.3622563
53.13856063	0.000	-1.67E+08	106.7873602
53.43962785	0.000	-1.63E+08	82.75308497
53.27062071	0.000	-1.57E+08	85.54061511
54.01428182	0.000	-1.51E+08	54.81378963
55.21271633	0.000	-1.51E+08	21.44451295
58.03640244	0.000	-1.49E+08	18.42548502
53.81195968	0.000	-1.25E+08	217.7179605
51.00795154	0.000	-1.58E+08	206.3788894
50.77092926	0.000	-1.57E+08	194.5639211
51.22721256	0.000	-1.55E+08	127.3564843
55.14396557	0.000	-1.47E+08	188.5657517

53.12098347	0.000	-1.49E+08	112.9730834
52.4838353	0.000	-1.47E+08	93.42919604
52.5121056	0.000	-1.46E+08	93.42963769
52.91975812	0.000	-1.48E+08	45.98118479
55.06970874	0.000	-1.49E+08	12.79292205
54.5951728	0.000	-1.45E+08	36.79693521
53.12100327	0.000	-1.50E+08	85.99242045
53.40572612	0.000	-1.45E+08	96.78966796
53.66962793	0.000	-1.36E+08	85.90262979
53.78155554	0.000	-1.27E+08	96.27955948
53.67726205	0.000	-1.32E+08	96.4399487
56.82828022	0.000	-1.30E+08	72.29572229
59.38540712	0.000	-1.33E+08	14.47671977
59.14298099	0.000	-1.30E+08	39.49507313
60.09452119	0.000	-1.34E+08	22.26844754
60.30261606	0.000	-1.30E+08	32.31737852
60.10219938	0.000	-1.30E+08	34.4727297
58.97762457	0.000	-1.26E+08	20.01365152
60.32614345	0.000	-1.36E+08	135.6370504
56.99387208	0.000	-1.30E+08	116.0877726
54.23611773	0.000	-1.30E+08	179.167109
54.72740395	0.000	-1.30E+08	226.5492607
55.33030428	0.000	-1.32E+08	130.5003295
56.34012517	0.000	-1.30E+08	97.03204582
58.82138494	0.000	-1.26E+08	62.79681538
57.23622039	0.000	-1.36E+08	62.13554945
54.35000038	0.000	-1.34E+08	127.6590205
54.94305525	0.000	-1.31E+08	155.6944551
55.59436031	0.000	-1.24E+08	137.7048363
56.39498767	0.000	-1.21E+08	133.6534681
56.5336285	0.000	-1.21E+08	152.8134245
58.41149191	0.000	-1.28E+08	63.27487131
59.68447539	0.000	-1.32E+08	80.15717751
58.88837365	0.000	-1.34E+08	29.40611582
56.37718608	0.000	-1.33E+08	160.239451
55.80220561	0.000	-1.34E+08	96.24845563
56.47739822	0.000	-1.44E+07	152.4022249
56.08478694	0.000	6.86E+08	124.2105707
55.46219956	0.000	6.45E+08	152.2761988
55.71873659	0.000	6.12E+08	125.6348117
57.17378505	0.000	4.60E+08	145.0276769
59.19738454	0.000	3.16E+08	130.0827226
59.73804884	0.000	3.13E+08	135.0959077
55.09369209	0.000	3.20E+08	160.8015404
55.13029616	0.000	3.34E+08	136.7981663
56.64909873	0.000	3.92E+07	158.2274905
57.97726712	0.000	-1.36E+08	116.7071466
57.07958475	0.000	-1.22E+08	55.72054127
57.898905	0.000	-1.31E+08	135.03723
58.46222791	0.000	-1.40E+08	116.5011203
57.64189314	0.000	-1.45E+08	92.52732748
57.79743972	0.000	-1.37E+08	102.9978632

57.99669037	0.000	-1.21E+08	92.17659499
58.02377187	0.000	-1.43E+08	94.37541602
57.14892985	0.000	-1.30E+08	89.96170295
57.33757327	0.000	-1.13E+08	157.4115028
57.7373096	0.000	-5.93E+07	128.8520772
56.07625719	0.000	-5.69E+06	167.4906233
55.46327771	0.000	4.46E+07	176.830527
55.90114048	0.000	8.02E+07	163.4214803
56.75860956	0.000	8.42E+07	144.1077127
58.87595354	0.000	1.69E+08	72.38937906
60.15979891	0.000	1.98E+08	39.72185842
60.56198487	0.000	2.13E+08	53.24869494
60.54192947	0.000	2.73E+08	139.1973432
61.9704084	0.000	3.17E+08	130.7694976
61.0917888	0.000	3.30E+08	104.449627
60.76943855	0.000	3.52E+08	125.8764402
59.446594	0.000	4.07E+08	257.9924901
57.35297246	0.000	5.68E+08	203.4637888
57.36714135	0.000	4.84E+08	137.3420884
60.45922198	0.000	5.07E+08	125.5870574
60.66024199	0.000	5.25E+08	127.9382277
57.99862098	0.000	6.34E+08	113.8734306
58.96447657	0.000	6.60E+08	108.2918921
59.81303292	0.000	6.68E+08	95.09763665
60.93902524	0.000	6.81E+08	97.60799541
61.49720345	0.000	7.06E+08	203.9017817
60.97789743	0.000	7.42E+08	199.4786868
60.12884189	0.000	7.86E+08	196.3263291
61.25255448	0.000	8.02E+08	216.5044821
58.53395008	0.000	8.02E+08	195.4993043
58.70642975	0.000	8.29E+08	249.7784066
58.31720748	0.000	8.51E+08	310.3771657
58.4787492	0.000	8.72E+08	355.3962267
58.47251179	0.000	9.64E+08	294.185519
57.81793934	0.000	1.10E+09	192.7998785
57.50715527	0.000	1.51E+09	131.4589558
58.67489891	0.000	6.47E+09	118.7627158
60.39944444	0.000	6.20E+09	82.53545387
59.99730116	0.000	6.20E+09	134.5317709
60.1358515	0.000	6.20E+09	191.1283679
59.88782439	0.000	6.21E+09	148.4074501
60.41969372	0.000	6.20E+09	141.0785683
60.45041952	0.000	6.21E+09	153.5655466
61.39985312	0.000	6.21E+09	182.9370135
59.60692461	0.000	6.21E+09	140.7596997
61.12501689	0.000	6.19E+09	126.1453387
61.35809685	0.000	6.21E+09	125.6799256
60.48960631	0.000	6.20E+09	99.78095317
60.63806622	0.000	6.21E+09	105.8718068
60.73996379	0.000	6.20E+09	137.7510198
61.39167587	0.000	6.19E+09	111.788442
62.37806149	0.000	6.19E+09	156.321102

62.85330858	0.000	6.20E+09	220.0867547
59.66132774	0.000	6.20E+09	227.2737851
60.53499782	0.000	6.21E+09	191.750771
62.1277939	0.000	6.21E+09	296.5375392
61.44359957	0.000	6.20E+09	312.3131128
60.56514943	0.000	6.20E+09	206.1215983
60.53052756	0.000	6.21E+09	193.3217855
61.06789384	0.000	6.21E+09	211.0624689
60.78169054	0.000	6.22E+09	263.3747503
60.3717064	0.000	6.23E+09	227.7709856
60.26141827	0.000	6.22E+09	226.3152259
60.44721515	0.000	6.22E+09	228.2752303
60.6109044	0.000	5.63E+09	219.2815428
60.76871546	0.000	4.08E+09	234.6177347
60.25657274	0.000	1.72E+09	324.8912023
59.80086634	0.000	9.96E+07	234.4170922
60.36517813	0.000	-1.33E+08	284.8242137
60.42561073	0.000	-1.44E+08	245.9802169
60.68662303	0.000	-1.48E+08	166.1040272
61.2555248	0.000	-1.48E+08	141.858456
61.49793486	0.000	-1.44E+08	144.9558559
61.56019862	0.000	-1.51E+08	272.2770098
61.2470271	0.000	-1.32E+08	216.966259
62.63111644	0.000	-1.48E+08	252.0829859
62.63088952	0.000	-1.34E+08	197.4574259
64.11862226	0.000	-1.35E+08	288.4242083
62.04807224	0.000	-1.30E+08	234.4744404
61.51575382	0.000	-1.24E+08	217.2642547
61.20729572	0.000	-1.12E+08	305.5427806
60.07348717	0.000	-1.05E+08	221.2832586
60.17366657	0.000	-1.08E+08	239.2745293
61.20238549	0.000	-1.15E+08	150.5545475
61.68569225	0.000	-1.30E+08	176.5225648
61.58575467	0.000	-1.36E+08	207.6815736
60.21114972	0.000	-1.27E+08	285.1549718
59.95186667	0.000	-1.30E+08	359.3202415
59.40290391	0.000	-1.31E+08	329.9054805
59.60619109	0.000	2.83E+08	323.068363
60.23730013	0.000	3.72E+08	265.2551702
60.19494762	0.000	-8.42E+07	262.123523
60.16420965	0.000	-1.10E+08	228.1108123
60.7017317	0.000	-1.04E+08	195.0624101
61.09476171	0.000	-9.89E+07	186.8484179
60.59367059	0.000	-9.56E+07	144.8636456
60.64166768	0.000	-9.62E+07	182.8155801
60.88152071	0.000	-9.76E+07	163.4125894
61.29985333	0.000	-9.69E+07	219.5890352
60.60469361	0.000	-1.00E+08	238.3284092
60.51930447	0.000	-1.04E+08	239.5871603
60.49275808	0.000	-5.06E+07	175.0401409
60.27366462	0.000	-5.00E+07	140.1047174
61.29377838	0.000	9.70E+08	200.7112372

62.06129362	0.000	2.43E+08	191.1540922
59.92967283	0.000	-1.15E+08	407.782596
58.83857834	0.000	-1.14E+08	277.8701007
60.09961724	0.000	-1.16E+08	240.6483596
61.43093198	0.000	-1.05E+08	180.0571128
62.16999182	0.000	-1.02E+08	201.9143762
62.30522137	0.000	-9.96E+07	211.7098582
62.10980704	0.000	-9.76E+07	190.49484
61.26992973	0.000	-9.56E+07	181.8590138
61.09597341	0.000	-9.22E+07	241.2734363
61.82574303	0.000	-8.42E+07	233.0290243
62.31521169	0.000	-8.82E+07	190.2991647
61.95980402	0.000	-8.01E+07	188.9406441
61.73544755	0.000	-6.61E+07	170.0192532
60.3257363	0.000	-6.61E+07	221.7665208
60.60933686	0.000	-1.64E+07	212.0727639
60.36044076	0.000	1.78E+07	228.5331246
60.16420965	0.000	-6.94E+07	271.700299
60.05696944	0.000	-6.34E+07	234.688197
60.73148343	0.000	-6.94E+07	229.4167849
61.78825702	0.000	-7.01E+07	219.1567099
59.27425691	0.000	-6.94E+07	398.4294691
58.31407948	0.000	-6.20E+07	453.6609047
58.60262426	0.000	-5.73E+07	324.2005538
59.24385724	0.000	-6.47E+07	223.5569443
60.14958749	0.000	-6.47E+07	186.2872126
60.7895081	0.000	-7.08E+07	145.4257609
60.4164442	0.000	-6.27E+07	149.1816412
60.88587221	0.000	1.46E+08	137.312015
61.12755522	0.000	5.84E+09	138.7730326
60.86824278	0.000	6.30E+09	116.4748825
60.31427764	0.000	5.12E+09	166.5165701
60.16760682	0.000	2.22E+09	163.8512109
60.50160463	0.000	-4.93E+07	129.6462944
60.62775528	0.000	-5.73E+07	144.6072737
59.86981828	0.000	-6.14E+07	146.4940399
57.97422071	0.000	-6.61E+07	405.3511892
57.22444754	0.000	-6.74E+07	254.9601175
59.10034562	0.000	-5.93E+07	249.3659874
60.61853019	0.000	-5.40E+07	130.8411407
62.31659579	0.000	-4.39E+07	189.8224183
61.8318763	0.000	-4.79E+07	171.5573655
59.55444198	0.000	-3.79E+07	224.9843964
59.735204	0.000	-4.66E+07	162.0496556
60.29021607	0.000	-4.66E+07	291.8907901
57.02412611	0.000	-5.80E+07	280.5500574
57.58194145	0.000	-4.33E+07	245.4171361
56.91852034	0.000	-3.32E+07	229.3088893
56.83421304	0.000	-2.18E+07	189.0842527
58.12471283	0.000	-1.37E+07	182.243551
58.23479838	0.000	-4.26E+07	176.1312172
58.64920057	0.000	-6.61E+07	158.1674354

57.74087366	0.000	-6.34E+07	239.6956329
57.46585394	0.000	-6.07E+07	216.3904823
57.17427434	0.000	-5.06E+07	201.7718444
57.08145443	0.000	-4.79E+07	164.6526674
57.11046634	0.000	-4.53E+07	143.5443504
57.49737711	0.000	-3.79E+07	194.684114
56.08969842	0.000	-3.72E+07	192.7569846
56.01772284	0.000	-3.79E+07	171.1788053
56.36419017	0.000	-3.32E+07	149.0670276
57.84939666	0.000	-3.65E+07	183.5618432
59.18299642	0.000	-2.38E+07	126.316755
58.04285105	0.000	-1.78E+07	182.7117262
55.87146784	0.000	-2.18E+07	170.8856567
54.64574424	0.000	-1.24E+07	301.3698962
54.68097038	0.000	-1.58E+07	219.215931
55.25954414	0.000	-6.36E+06	136.6265129
55.98638634	0.000	-2.45E+07	121.7284253
56.58341244	0.000	-4.26E+07	139.5054594
56.21576039	0.000	-3.79E+07	98.07791988
57.20608002	0.000	-3.72E+07	123.2264141
57.1305143	0.000	-2.25E+07	196.1084539
55.86745041	0.000	-1.17E+07	146.4064903
56.45722415	0.000	-1.67E+06	210.2845888
55.64329949	0.000	6.38E+06	145.2234687
55.63124543	0.000	1.71E+07	132.5073798
53.61024382	0.000	-7.71E+06	167.5351592
53.24886904	0.000	-1.31E+07	174.8511511
52.68795946	0.000	-1.44E+07	231.4919997
53.03039902	0.000	-9.05E+06	218.6364235
53.33564588	0.000	-1.11E+07	167.8215989
53.26076373	0.000	-1.91E+07	104.533637
54.74013519	0.000	-2.04E+07	92.17899274
56.6319935	0.000	-2.51E+07	106.9402791
57.70467636	0.000	-3.79E+07	133.0516343
54.11100129	0.000	-2.98E+07	132.1849412
54.15253045	0.000	-2.98E+07	112.096753
54.25146614	0.000	-4.93E+07	116.4836799
56.67866965	0.000	-6.00E+07	97.78856675
55.21153219	0.000	-6.07E+07	100.3248761
57.33831392	0.000	-6.74E+07	91.39196589
54.56434861	0.000	3.01E+08	121.8107714
54.76430779	0.000	5.96E+09	97.05179208
57.36150527	0.000	6.28E+09	53.12780046
54.39233832	0.000	6.29E+09	153.0732158
52.4795985	0.000	6.30E+09	113.0257138
55.08173581	0.000	7.14E+09	139.3355461
56.94878453	0.000	1.16E+10	107.950191
54.24268015	0.000	6.42E+09	123.1125902
56.26500396	0.000	6.30E+09	139.3388527
55.95905142	0.000	6.29E+09	125.8740699
54.96696425	0.000	6.29E+09	95.83672105
55.77685841	0.000	6.29E+09	66.42919142

57.12932351	0.000	6.26E+09	86.87784425
57.71785678	0.000	6.27E+09	92.67859717
55.10956112	0.000	6.28E+09	113.5541275
56.60379059	0.000	6.28E+09	101.2646055
58.46896612	0.000	6.26E+09	40.39073817
57.44764094	0.000	6.26E+09	41.97000569
59.11334237	0.000	6.26E+09	38.02821011
59.33858391	0.000	6.27E+09	38.19671373
57.30079655	0.000	6.27E+09	17.66763571
54.27313035	0.000	6.27E+09	158.8849872
53.22538137	0.000	6.27E+09	89.09789545
54.02310031	0.000	6.29E+09	137.2004039
53.21406899	0.000	6.27E+09	95.20298262
53.04926395	0.000	6.27E+09	125.7845699
52.85437322	0.000	5.26E+09	174.2076106
52.27243674	0.000	4.09E+09	102.1271295
54.03888873	0.000	2.16E+09	142.4388801
53.13659992	0.000	2.38E+08	124.0239344
52.41558256	0.000	-7.61E+07	149.3403118
53.64207036	0.000	-2.02E+08	107.1270978
55.14543911	0.000	-2.59E+08	45.45103301
54.64577771	0.000	-2.66E+08	57.036868
56.47039465	0.000	6.44E+08	149.1207692
49.87645609	0.000	5.88E+08	190.2731593
49.87645609	0.000	2.08E+08	119.5165467
49.80266387	0.000	-2.63E+08	87.7008273
49.57052797	0.000	-2.62E+08	74.5444573
50.2428054	0.000	-2.63E+08	68.24540584
51.64031099	0.000	-2.55E+08	72.46705974
51.95878418	0.000	-2.56E+08	70.79864229
51.52744502	0.000	-2.67E+08	167.3263042
49.44359128	0.000	-7.87E+08	102.1196688
50.55402935	0.000	-2.70E+08	132.9114363
50.12951187	0.000	-2.74E+08	139.399825
54.79719927	0.000	-2.74E+08	62.4802614
50.88004195	0.000	-2.76E+08	136.5585143
48.80520649	0.000	-2.72E+08	112.7038055
49.68766614	0.000	-2.71E+08	140.422493
52.90720765	0.000	-2.73E+08	94.42975543
50.97084212	0.000	-2.76E+08	78.80162082
53.76584651	0.000	-2.91E+08	66.39409659
50.05027176	0.000	-2.87E+08	144.1977507
51.68900709	0.000	-2.86E+08	109.4098044
55.34408965	0.000	-2.96E+08	91.48593328
55.63933142	0.000	-2.91E+08	37.51093533
52.72201518	0.000	-2.95E+08	49.46328623
52.04179614	0.000	-2.82E+08	59.54731614
52.67901327	0.000	-2.88E+08	82.74526395
53.78628555	0.000	-2.85E+08	49.34274648
55.6743748	0.000	-2.93E+08	11.61479838
55.19922847	0.000	-2.92E+08	84.86958382
53.78714838	0.000	-2.87E+08	56.67554234

54.24497025	0.000	-2.89E+08	23.83872634
55.50246799	0.000	-2.86E+08	7.537187835
57.57092385	0.000	-2.91E+08	0.323664122
55.69274924	0.000	-3.05E+08	9.138056803
53.40650675	0.000	-3.01E+08	62.28187143
52.56456823	0.000	-2.94E+08	67.07356814
54.34524887	0.000	-2.93E+08	66.30862704
57.51825976	0.000	-2.90E+08	35.97520024
54.88887598	0.000	-2.87E+08	87.91066762
52.45988455	0.000	-3.11E+08	88.0254637
51.0783535	0.000	-2.91E+08	120.9665956
51.81101102	0.000	-2.93E+08	73.00002242
54.92564166	0.000	-2.97E+08	14.29861268
54.39116513	0.000	-2.92E+08	40.2635551
54.85414853	0.000	-2.98E+08	62.56486241
53.76875094	0.000	-2.97E+08	88.9881838
54.76007975	0.000	-2.95E+08	82.38193914
53.49998813	0.000	-2.91E+08	58.25405093
53.26176721	0.000	-2.93E+08	72.25556152
53.84935068	0.000	-2.93E+08	68.51634969
55.31801089	0.000	-2.90E+08	61.74542459
54.99915435	0.000	-2.86E+08	81.82394834
56.94176384	0.000	-2.79E+08	32.15819229
52.05117405	0.000	-2.77E+08	175.5560891
51.24442467	0.000	-2.79E+08	151.0162185
52.06122189	0.000	-2.77E+08	84.47387121
54.66501826	0.000	-2.91E+08	94.02735841
55.97657612	0.000	-2.87E+08	55.13969814
54.24529248	0.000	-2.87E+08	53.7156673
52.40130629	0.000	-2.32E+08	101.5783847
52.6127584	0.000	-2.45E+08	148.7690509
51.23325468	0.000	-2.71E+08	186.4226236
50.2229805	0.000	-1.74E+08	199.6679401
49.85437292	0.000	-2.63E+08	103.509812
50.76010176	0.000	-2.73E+08	114.380657
50.67306296	0.000	-2.77E+08	67.61953843
52.25114346	0.000	-2.76E+08	90.90240749
53.17176233	0.000	-2.14E+08	57.53900722
54.94647069	0.000	-2.61E+08	22.71610663
54.03053151	0.000	-2.67E+08	121.4072522
53.98022601	0.000	-2.73E+08	91.520623
55.88212228	0.000	-2.62E+08	67.98753573
53.15568846	0.000	-2.66E+08	184.807711
52.48130784	0.000	-2.69E+08	86.87802676
54.92412818	0.000	-2.45E+08	74.94369309
52.33204017	0.000	-2.43E+08	220.6206832
50.99592687	0.000	-2.24E+08	156.9583885
50.47452217	0.000	-2.61E+08	89.58148958
50.99609685	0.000	-2.61E+08	95.50899529
52.48722251	0.000	-2.59E+08	139.7816247
53.07943688	0.000	-2.52E+08	137.6323592
53.08509814	0.000	-2.51E+08	101.7465788

52.09247442	0.000	-2.54E+08	69.99935873
52.22675673	0.000	-2.55E+08	99.28112956
53.63479598	0.000	-2.43E+08	84.65497428
57.32478282	0.000	-2.29E+08	60.09930298
58.91537528	0.000	-2.55E+08	84.18412817
55.04780656	0.000	-2.54E+08	99.46559847
53.97199513	0.000	-2.62E+08	95.90640598
54.04180818	0.000	-2.57E+08	65.58084958
54.26562089	0.000	-2.47E+08	136.1783697
54.14102667	0.000	-2.50E+08	68.87498709
55.85306723	0.000	-2.55E+08	41.89637933
55.42569329	0.000	-2.56E+08	86.06965355
53.55709298	0.000	-2.55E+08	147.1630037
53.59889338	0.000	-2.58E+08	140.5912729
55.31924288	0.000	-2.62E+08	97.38850136
57.30259957	0.000	-2.61E+08	73.59139279
57.30620723	0.000	-2.50E+08	93.29964359
56.9638271	0.000	-2.56E+08	93.06724103
57.42327349	0.000	-2.51E+08	12.98173327
58.19941368	0.000	-2.57E+08	8.009522604
56.98162737	0.000	-2.61E+08	30.91426688
59.07997646	0.000	-2.62E+08	11.79484997
55.56740683	0.000	-2.53E+08	136.7567823
55.81618438	0.000	-2.50E+08	116.7153021
58.5001275	0.000	-2.48E+08	50.53018732
59.07942475	0.000	-2.48E+08	47.14615045
59.22189091	0.000	-2.48E+08	34.45879717
55.97176981	0.000	-2.49E+08	125.2491806
54.546005	0.000	-2.57E+08	102.1586038
55.41992425	0.000	-2.55E+08	147.8746556
55.8385758	0.000	-2.53E+08	204.044305
57.51494344	0.000	-2.49E+08	179.7076004
55.12311541	0.000	-2.48E+08	113.5432517
56.49563947	0.000	-2.44E+08	153.2217796
57.05046511	0.000	-2.45E+08	227.5228059
56.21206439	0.000	-2.34E+08	157.5113737
55.65254568	0.000	-2.42E+08	137.5019686
56.79524427	0.000	-2.54E+08	129.6305735
55.07517895	0.000	-2.50E+08	100.2407967
58.46830637	0.000	-2.61E+08	61.09518698
59.39820453	0.000	-2.58E+08	57.68058808
55.87958262	0.000	-2.65E+08	187.460418
55.49339546	0.000	-2.52E+08	129.8252966
57.62493921	0.000	-2.58E+08	132.4140522
57.22762099	0.000	-2.66E+08	126.9174859
55.5262214	0.000	-3.08E+08	129.5007864
55.09971992	0.000	-2.90E+08	118.3792507
55.60780884	0.000	-2.99E+08	226.2378639
55.78866486	0.000	-2.95E+08	230.0841563
55.68126191	0.000	-2.98E+08	197.4141112
56.54768546	0.000	-2.92E+08	150.795057
57.80903829	0.000	-2.63E+08	60.34443885

57.9901656	0.000	-2.99E+08	45.8203699
59.03066739	0.000	-2.97E+08	36.17060963
60.29374174	0.000	-2.92E+08	41.61100562
60.30396084	0.000	-2.91E+08	112.669537
59.63911547	0.000	-2.91E+08	85.66179747
59.17477027	0.000	-2.86E+08	135.4531353
58.8555754	0.000	-2.89E+08	113.507231
58.85370903	0.000	-2.90E+08	107.3164694
57.94126665	0.000	-2.91E+08	100.4145775
55.78726782	0.000	-2.92E+08	205.3224887
56.87580914	0.000	-2.89E+08	236.5474187
56.71428669	0.000	-3.12E+08	174.4676165
57.33841792	0.000	-3.60E+08	103.2551994
58.18098244	0.000	-2.92E+08	105.009408
58.94962946	0.000	-4.40E+08	135.3102408
58.95382899	0.000	-4.66E+08	211.2266613
58.62122675	0.000	-4.51E+08	132.7981143
59.58389701	0.000	-5.02E+08	117.4217831
59.62280093	0.000	-5.60E+08	112.7887079
59.61811702	0.000	-5.42E+08	206.6070292
57.98645149	0.000	-4.89E+08	245.4999883
58.54041396	0.000	-5.21E+08	214.8208385
58.61219083	0.000	-5.17E+08	229.0499002
59.21683445	0.000	-5.15E+08	153.342405
60.09452119	0.000	-5.25E+08	114.1182911
60.47572315	0.000	-5.13E+08	116.5400678
60.35321124	0.000	-5.19E+08	145.5612583
60.12219549	0.000	-5.21E+08	205.560436
61.03104674	0.000	-5.15E+08	242.5294851
61.5216787	0.000	-5.15E+08	202.9303043
59.78135075	0.000	-5.15E+08	256.5287534
58.80262243	0.000	-5.13E+08	194.6820265
59.54763229	0.000	-5.20E+08	128.6140283
61.27798027	0.000	-5.09E+08	129.4839239
62.7071837	0.000	-5.04E+08	99.8663578
63.08538519	0.000	-5.01E+08	136.2230404
59.77089906	0.000	4.26E+07	228.7193709
59.49521799	0.000	-4.31E+08	260.3905438
58.17901292	0.000	-4.91E+08	278.7071749
59.05015993	0.000	-4.79E+08	145.3708168
61.04507029	0.000	-4.81E+08	162.574742
59.30071796	0.000	-4.66E+08	160.5663487
58.64785151	0.000	-4.48E+08	186.4917778
57.91507472	0.000	-4.92E+08	189.1120821
57.60138407	0.000	-4.36E+08	316.2277791
58.37453223	0.000	-4.65E+08	259.3726327
56.87688606	0.000	-4.98E+08	254.4712152
57.55035348	0.000	-4.98E+08	214.2875284
58.81423419	0.000	-4.94E+08	195.745408
58.80531191	0.000	-4.95E+08	194.6740594
58.82238702	0.000	-5.03E+08	160.7931296
59.46613268	0.000	-5.05E+08	112.3933521

60.73741537	0.000	-4.91E+08	85.52074649
61.11145559	0.000	-5.05E+08	97.72997044
61.02854706	0.000	-4.93E+08	152.6774254
61.50716953	0.000	-4.81E+08	132.9104042
59.6229211	0.000	-5.01E+08	119.4276517
60.69430104	0.000	-5.15E+08	170.7830914
61.28945084	0.000	-4.52E+08	193.5072566
61.85762555	0.000	-4.50E+08	125.6152832
62.1906949	0.000	-4.68E+08	98.97619829
63.24504007	0.000	-4.58E+08	82.41121034
63.38625012	0.000	-4.96E+08	109.4589975
61.44895735	0.000	-5.13E+08	168.6178267
61.2892695	0.000	-5.13E+08	230.9434798
62.14189779	0.000	-5.01E+08	220.0130898
61.9714084	0.000	-4.92E+08	266.9784405
60.22788358	0.000	-4.88E+08	379.2490368
58.20588455	0.000	-4.83E+08	306.0468882
58.06895149	0.000	-4.81E+08	285.8153831
58.28223854	0.000	-4.82E+08	206.9912843
60.04781032	0.000	-4.86E+08	154.4421253
60.56015476	0.000	-4.74E+08	166.0913402
60.86824278	0.000	-4.72E+08	165.3445726
61.29886331	0.000	-4.69E+08	130.3047101
61.87128565	0.000	-4.54E+08	209.1243481
61.96281463	0.000	-4.57E+08	157.4775162
60.81100721	0.000	7.84E+08	174.0014463
61.65309797	0.000	-4.48E+08	146.3302808
62.1794727	0.000	-4.47E+08	169.7401307
61.22180337	0.000	-4.72E+08	198.5934887
61.78552606	0.000	-4.75E+08	221.7511979
61.84566638	0.000	-4.81E+08	237.2197861
62.03392226	0.000	-4.81E+08	211.7436706
61.78649657	0.000	-4.72E+08	207.3080884
61.13827251	0.000	-4.62E+08	217.2436698
62.44497384	0.000	-4.62E+08	186.355856
63.1879937	0.000	-4.66E+08	173.245022
62.38086842	0.000	-3.40E+08	190.8498559
61.63032505	0.000	-3.35E+08	402.1542985
61.04113125	0.000	-3.86E+08	377.0798075
60.64610275	0.000	-4.62E+08	262.2812654
61.48943374	0.000	-4.58E+08	267.609218
61.37232853	0.000	-4.60E+08	282.6840328
61.39985312	0.000	5.83E+08	254.3145219
62.41050035	0.000	4.51E+08	287.369955
60.62535036	0.000	4.24E+08	338.8067153
60.18452962	0.000	-4.46E+08	280.3429257
61.92845519	0.000	-4.65E+08	281.5024971
61.29377838	0.000	-4.61E+08	165.9144995
61.98250671	0.000	-4.42E+08	195.2186776
61.54722926	0.000	-4.27E+08	203.875494
60.5067831	0.000	-4.26E+08	196.455904
60.87936386	0.000	-4.47E+08	214.2195211

61.8198375	0.000	-4.60E+08	212.8439766
61.79123984	0.000	-4.64E+08	181.4506905
61.27941252	0.000	-4.60E+08	284.6059058
60.12326212	0.000	-4.47E+08	253.4146975
59.60679969	0.000	-4.48E+08	224.4379875
59.70177885	0.000	-4.56E+08	215.4439145
59.623739	0.000	-4.60E+08	211.038888
60.50149004	0.000	-4.65E+08	263.0187189
59.77842569	0.000	-4.58E+08	191.7384755
59.72324935	0.000	-4.72E+08	179.2539998
60.37386267	0.000	-4.67E+08	155.7789608
60.88293565	0.000	-4.60E+08	158.0709749
61.00114716	0.000	-4.50E+08	146.8509462
58.88614261	0.000	-4.52E+08	590.4045265
58.5707539	0.000	-4.29E+08	440.6034269
59.37056318	0.000	-3.89E+08	408.3551629
59.79072288	0.000	-4.32E+08	324.1780825
59.5516096	0.000	-3.66E+08	195.4354652
59.74073021	0.000	-4.33E+08	164.2859049
60.29294066	0.000	-4.50E+08	151.660371
59.74973399	0.000	-4.46E+08	147.2602969
60.54052691	0.000	-4.38E+08	99.32883188
59.47673664	0.000	-4.36E+08	120.9963242
60.0631356	0.000	-4.22E+08	115.095778
59.66947041	0.000	-4.12E+08	162.474326
59.07607008	0.000	-4.03E+08	196.3677859
58.74577109	0.000	-4.04E+08	172.5249644
58.73676884	0.000	-4.04E+08	152.001244
59.00595694	0.000	-3.99E+08	129.2640413
58.76972979	0.000	-3.94E+08	178.1439373
58.16994761	0.000	-4.18E+08	451.7351937
58.07544429	0.000	-4.34E+08	263.9800454
57.55012592	0.000	-4.37E+08	166.2699001
57.84919285	0.000	-4.44E+08	172.5599731
58.33275207	0.000	-4.32E+08	151.4075964
57.305797	0.000	-4.15E+08	187.8305285
56.18534357	0.000	-4.09E+08	380.6380697
56.49915203	0.000	-3.98E+08	219.5270069
57.75098599	0.000	-3.99E+08	224.766294
58.64990965	0.000	-3.97E+08	126.8381427
59.10858047	0.000	-4.01E+08	79.49980265
59.05982613	0.000	-4.15E+08	62.22302642
58.51884371	0.000	-3.66E+08	112.0847257
59.3479596	0.000	-3.91E+08	108.9967239
57.62409343	0.000	-3.83E+08	235.3461812
56.77227405	0.000	-3.91E+08	161.0548942
57.41718399	0.000	-3.86E+08	156.0197113
58.83055004	0.000	-3.79E+08	129.324094
58.8233064	0.000	-3.88E+08	115.4018402
56.15952729	0.000	-3.77E+08	288.9116604
55.79038371	0.000	-3.54E+08	163.205615
55.69138397	0.000	-3.47E+08	219.507762

55.71828366	0.000	-3.56E+08	168.6510059
57.84029892	0.000	-3.65E+08	126.1036234
58.40241599	0.000	-3.65E+08	96.92237708
58.65700839	0.000	-3.67E+08	86.00191223
56.70802727	0.000	-3.71E+08	182.7529777
57.02104293	0.000	-3.77E+08	133.3118241
57.12029933	0.000	-3.79E+08	263.664865
55.68162912	0.000	-3.92E+08	160.2786596
57.21649346	0.000	-3.95E+08	96.43768816
57.68630713	0.000	-3.75E+08	97.46310268
56.92468489	0.000	-3.58E+08	269.0028428
55.86840331	0.000	-3.35E+08	154.2507703
55.28580063	0.000	-3.64E+08	148.1380267
55.17850707	0.000	-3.87E+08	144.2335656
55.4838567	0.000	-3.63E+08	180.5945443
54.75768594	0.000	-3.37E+08	224.9831932
53.81846232	0.000	-2.91E+08	215.6646376
53.94399052	0.000	-1.83E+08	157.375541
55.14022039	0.000	-1.59E+08	171.8867011
55.33393105	0.000	-1.53E+08	144.2438699
54.44857807	0.000	-1.14E+08	112.0400275
55.41020514	0.000	-8.68E+07	82.01868074
56.01489566	0.000	-6.07E+07	73.48371331
57.32613911	0.000	3.12E+07	47.76134165
57.18377224	0.000	3.86E+07	65.98512119
57.52715627	0.000	8.08E+07	109.2647802
54.70607679	0.000	1.02E+08	312.4037487
53.36876037	0.000	1.59E+08	192.2894383
54.89279026	0.000	1.78E+08	170.4906334
56.83393712	0.000	1.73E+08	123.0298083
55.93983552	0.000	2.42E+08	192.3323565
53.86641699	0.000	2.79E+08	117.1196329
55.93635548	0.000	2.92E+08	102.470603
58.00619174	0.000	3.12E+08	76.10759543
55.9233706	0.000	3.71E+08	93.60617299
54.45767725	0.000	4.04E+08	103.3591011
55.196525	0.000	4.19E+08	83.15386571
57.31019743	0.000	4.62E+08	109.1204533
54.61838057	0.000	5.46E+08	212.734848
53.77215233	0.000	5.97E+08	223.0325339
52.81600324	0.000	7.86E+08	144.3578146
52.91785804	0.000	7.44E+09	130.0218802
54.95721127	0.000	6.04E+09	106.6872982
56.49468507	0.000	5.99E+09	52.59707126
56.4993445	0.000	5.98E+09	36.76027697
57.19843057	0.000	5.97E+09	31.84175467
56.3157527	0.000	5.95E+09	36.35871853
56.69434937	0.000	5.96E+09	17.17937397
57.31046364	0.000	5.97E+09	19.00272949
57.65352475	0.000	5.96E+09	39.01936795
55.95571621	0.000	5.96E+09	133.5827494
55.03023724	0.000	5.95E+09	132.7532964

53.89308684	0.000	5.95E+09	159.0340524
52.13061205	0.000	5.96E+09	282.0685936
50.87330728	0.000	5.96E+09	265.686642
52.4140965	0.000	5.96E+09	122.5139933
54.38047211	0.000	5.96E+09	115.7865254
56.97497825	0.000	5.96E+09	98.40786713
56.65976482	0.000	5.97E+09	92.14271821
56.47435125	0.000	5.97E+09	49.81601516
53.58704753	0.000	5.96E+09	159.2490821
52.60812981	0.000	5.96E+09	86.7366266
53.68968428	0.000	5.96E+09	89.21818165
55.6743748	0.000	5.96E+09	67.1348836
53.63051875	0.000	5.96E+09	157.2353241
52.76196271	0.000	5.95E+09	85.28069853
55.08292807	0.000	5.95E+09	45.42238339
54.72745111	0.000	5.97E+09	53.49009022
53.69159149	0.000	5.97E+09	67.71079973
54.15598796	0.000	5.19E+09	144.3076278
53.67117689	0.000	4.16E+09	153.102091
53.86175516	0.000	3.39E+09	95.24489328
53.68488409	0.000	2.52E+09	102.7759232
53.78381833	0.000	1.12E+09	66.44757766
53.60167746	0.000	9.43E+08	61.53113161
51.46614877	0.000	1.54E+08	117.8011946
51.0636816	0.000	-5.47E+08	98.2287813
50.2399209	0.000	-5.47E+08	138.0059791
49.40648059	0.000	-5.54E+08	156.1380778
51.83538783	0.000	-5.61E+08	177.7720577
51.85741687	0.000	-5.62E+08	93.1059544
51.24760087	0.000	-5.66E+08	99.12625573
51.54998798	0.000	-5.74E+08	105.2883149
54.62746491	0.000	-5.78E+08	113.0720674
54.69333967	0.000	-5.80E+08	53.96122471
53.83989376	0.000	-5.70E+08	52.24827634
55.9966517	0.000	-5.84E+08	33.85225909
57.5270562	0.000	-5.81E+08	8.086294611
57.82774132	0.000	-5.89E+08	9.880032186
53.61247541	0.000	-5.84E+08	141.0069596
52.3059638	0.000	-1.11E+09	81.83771281
54.10077872	0.000	-5.22E+08	95.45431053
52.44605802	0.000	-5.31E+08	78.54616874
53.24886904	0.000	-5.50E+08	54.65110322
55.40768023	0.000	-5.65E+08	37.28058777
55.90961439	0.000	-5.58E+08	122.0583086
53.88218084	0.000	-5.72E+08	93.38567602
54.91185747	0.000	-5.73E+08	142.0651083
50.6413924	0.000	-5.74E+08	183.7267232
50.27305818	0.000	-5.64E+08	113.3607974
54.65447616	0.000	1.24E+09	138.4807367
50.26988817	0.000	4.09E+09	204.2829666
49.01050354	0.000	-5.44E+08	104.0218716
50.60184485	0.000	-5.80E+08	86.83173731

51.44662375	0.000	-5.82E+08	143.0427787
49.52192435	0.000	-5.81E+08	171.8660542
48.45539415	0.000	-5.81E+08	93.31235672
49.88878434	0.000	-5.85E+08	81.26914551
51.03082608	0.000	-5.89E+08	110.375889
50.20763277	0.000	-5.94E+08	149.0648521
50.10523868	0.000	-5.99E+08	117.0598663
48.90625238	0.000	-6.07E+08	129.911489
47.80113028	0.000	-6.01E+08	89.88477064
49.70843471	0.000	-6.03E+08	84.18155798
50.30779222	0.000	-6.00E+08	63.26328882
50.67772974	0.000	-5.95E+08	70.09819904
50.70132743	0.000	-5.95E+08	84.19888381
50.88024004	0.000	-5.98E+08	95.67741434
51.921916	0.000	-5.89E+08	83.6018939
52.32571755	0.000	-5.97E+08	53.428943
52.22256905	0.000	-5.68E+08	79.26262572
52.19521797	0.000	-6.01E+08	69.95570929
53.43195022	0.000	1.27E+09	66.53806942
51.93481583	0.000	5.45E+09	68.69437494
52.1504456	0.000	7.76E+08	46.88886772
53.77147631	0.000	-3.79E+07	33.16564012
55.62818698	0.000	-2.11E+07	34.7019398
51.04938432	0.000	-1.24E+08	86.88890811
50.72978723	0.000	-6.31E+08	47.4041625
54.61714225	0.000	-6.01E+08	13.80089972
53.43880727	0.000	-5.86E+08	59.83792286
54.96173381	0.000	-5.09E+08	38.93845409
52.94113984	0.000	-6.01E+08	108.5945957
52.35107533	0.000	-5.97E+08	55.61753396
55.55784695	0.000	-5.99E+08	12.89367798
52.65421776	0.000	-6.01E+08	56.40872382
52.39590732	0.000	-6.05E+08	58.08311637
52.69620816	0.000	-6.07E+08	52.48737889
53.91713327	0.000	-6.03E+08	32.314397
55.9881956	0.000	-6.02E+08	13.77013985
57.26802761	0.000	-6.04E+08	4.989474322
54.56231145	0.000	-6.01E+08	17.70075644
55.80274599	0.000	-5.92E+08	12.49997574
55.43012247	0.000	-5.90E+08	66.17783201
54.78613625	0.000	-5.95E+08	84.05002646
55.7132989	0.000	-6.03E+08	56.7290463
55.61994142	0.000	-5.99E+08	79.71004238
53.74260843	0.000	-5.93E+08	94.70028358
53.84313211	0.000	-5.92E+08	70.30170512
56.11195949	0.000	-5.93E+08	82.00759
56.11195949	0.000	-5.91E+08	83.61400092
55.51397638	0.000	-5.89E+08	58.98665182
59.29786405	0.000	-5.97E+08	29.20356477
59.78089775	0.000	-5.91E+08	46.16650274
58.73377742	0.000	-5.88E+08	42.90062818
57.20608002	0.000	-5.90E+08	38.84587101

55.49829695	0.000	-5.99E+08	156.8724363
52.99659403	0.000	8.02E+07	140.3391186
54.1444155	0.000	-5.56E+08	114.6275775
56.47891019	0.000	-5.95E+08	116.9558059
56.97922905	0.000	-5.93E+08	49.02349521
55.75418974	0.000	-5.91E+08	144.6374227
52.06049768	0.000	-5.80E+08	199.5870588
52.93927036	0.000	-5.86E+08	136.7543956
53.68294433	0.000	-5.80E+08	121.8103871
53.54471273	0.000	-5.75E+08	112.302737
53.25904766	0.000	-5.46E+08	139.5715809
54.90668989	0.000	-5.21E+08	74.65930625
55.76757631	0.000	-5.66E+08	49.7973121
57.42759483	0.000	-5.60E+08	50.82381026
58.3362927	0.000	-5.44E+08	106.8453701
56.09690716	0.000	-5.20E+08	83.01060444
55.63774419	0.000	-4.86E+08	134.8142267
55.43566754	0.000	-4.72E+08	165.8972666
54.99559125	0.000	-4.56E+08	84.66292859
55.44197694	0.000	-3.97E+08	140.8681768
55.85312788	0.000	-2.74E+08	107.1933511
56.90422015	0.000	-2.61E+08	105.3666708
58.3113042	0.000	-2.37E+08	21.7012335
57.80690566	0.000	-1.94E+08	126.9370127
55.21833694	0.000	-9.96E+07	234.8861592
58.55181431	0.000	-8.55E+07	179.851151
59.47740281	0.000	-7.34E+07	106.5513855
57.36182773	0.000	7.72E+06	161.4537184
54.54603362	0.000	3.52E+07	285.975277
56.81544865	0.000	6.07E+07	142.2655684
58.18626207	0.000	1.23E+08	90.10850851
57.00182332	0.000	2.00E+08	139.7757221
54.31870367	0.000	2.12E+08	174.8777972
55.29355022	0.000	2.28E+08	110.2168427
56.3157527	0.000	3.17E+08	35.62737434
58.30150417	0.000	3.30E+08	14.83269502
57.04814046	0.000	3.79E+08	50.40476563
54.49133667	0.000	1.13E+09	175.6305239
55.38025088	0.000	1.16E+09	149.7478804
56.66086844	0.000	1.18E+09	89.03389948
57.47023869	0.000	8.80E+08	82.58939326
55.7004943	0.000	5.30E+08	117.4001176
56.52140127	0.000	6.64E+08	123.2964698
56.19070091	0.000	6.85E+08	106.4376537
54.46163367	0.000	6.99E+08	158.3716739
54.7685899	0.000	7.16E+08	132.5160279
54.53641729	0.000	7.60E+08	122.5489614
55.26695877	0.000	8.25E+08	93.84238977
55.92750906	0.000	8.27E+08	98.81916527
57.6289117	0.000	8.46E+08	132.7558525
58.35188977	0.000	9.06E+08	136.8187782
59.34283517	0.000	9.24E+08	125.7492821

57.20516008	0.000	9.53E+08	110.1446157
57.84939666	0.000	9.96E+08	106.9811977
59.74386488	0.000	1.00E+09	78.21349618
60.61816094	0.000	1.11E+09	29.91016858
61.41303236	0.000	1.12E+09	45.15321916
61.10027818	0.000	1.14E+09	102.4493986
61.13481443	0.000	1.15E+09	114.4749628
61.02985437	0.000	1.25E+09	170.4646918
58.7357254	0.000	1.26E+09	161.4270524
60.89761493	0.000	1.28E+09	144.6614669
61.59877063	0.000	1.31E+09	81.62095287
59.376039	0.000	1.41E+09	191.5186027
58.24529904	0.000	1.42E+09	266.8069906
58.04131814	0.000	1.43E+09	198.1626778
58.91866712	0.000	1.63E+09	147.6412551
60.9149917	0.000	5.71E+09	194.0019409
60.45218834	0.000	6.04E+09	120.0423056
57.84892731	0.000	6.04E+09	122.2405619
57.41159858	0.000	6.04E+09	136.6179956
57.57137213	0.000	6.04E+09	133.4213823
58.06319111	0.000	6.04E+09	142.8982927
60.77857183	0.000	6.04E+09	145.5199303
60.16300304	0.000	6.05E+09	137.2789188
59.16322834	0.000	6.04E+09	175.1210886
58.2234992	0.000	6.05E+09	147.6970956
57.11231823	0.000	6.05E+09	165.5204506
55.94123025	0.000	6.04E+09	291.3999386
56.27025091	0.000	6.04E+09	282.6186816
57.87799901	0.000	6.04E+09	141.4518057
59.91596548	0.000	6.05E+09	85.37364467
61.58575467	0.000	6.04E+09	54.33976652
60.15078894	0.000	6.04E+09	194.1226767
58.68664512	0.000	6.04E+09	176.4695446
57.63304961	0.000	6.02E+09	178.0723038
57.7610931	0.000	6.03E+09	201.7319567
58.68119157	0.000	6.04E+09	289.0919557
59.50185376	0.000	6.34E+09	267.1728812
60.34313201	0.000	9.93E+09	177.6299081
61.04588342	0.000	1.26E+10	129.7735303
61.29760202	0.000	1.15E+10	117.3204782
61.15689196	0.000	6.33E+09	88.09454801
60.84137592	0.000	6.09E+09	112.466092
59.22543183	0.000	5.66E+09	133.635204
60.50199933	0.000	4.42E+09	140.7677657
60.72678934	0.000	2.01E+09	163.2650533
61.82440021	0.000	4.31E+08	158.9667241
60.90525081	0.000	-5.55E+08	140.5962594
59.69709217	0.000	-5.73E+08	147.4863834
59.75313385	0.000	-5.46E+08	214.6247063
60.63293102	0.000	-5.87E+08	232.2458694
61.39067282	0.000	-5.80E+08	180.6563112
61.57551465	0.000	-5.86E+08	214.7697903

61.28816087	0.000	-5.78E+08	168.5539703
61.59530049	0.000	-5.55E+08	194.5541715
61.93727294	0.000	-5.60E+08	234.2467902
61.020061	0.000	-5.71E+08	256.8182812
59.65635463	0.000	-5.82E+08	162.7485467
59.69971915	0.000	-5.81E+08	186.8288116
59.92978849	0.000	-5.84E+08	238.7872955
60.03281999	0.000	-5.45E+08	173.0983833
60.44241064	0.000	-5.60E+08	215.181102
61.13551039	0.000	-5.76E+08	283.7913945
61.4664319	0.000	-5.82E+08	221.2458322
61.08243213	0.000	3.74E+08	137.223812
60.98186674	0.000	-5.50E+08	199.4853024
60.32321212	0.000	-5.68E+08	283.1267435
59.13497403	0.000	-5.46E+08	268.7091214
60.86300137	0.000	-5.61E+08	245.1427755
62.37234487	0.000	-5.57E+08	213.8237096
60.63160619	0.000	-5.63E+08	188.7145
60.11456082	0.000	-5.57E+08	225.4671766
59.85858155	0.000	3.65E+09	195.2291916
60.76472413	0.000	6.07E+09	230.7803711
59.81009669	0.000	6.07E+09	202.7611154
59.81254707	0.000	6.07E+09	185.0178078
60.04578317	0.000	6.06E+09	172.5495073
61.10846358	0.000	3.29E+09	209.8970676
60.23542495	0.000	-5.19E+08	189.9511385
59.12727576	0.000	-5.34E+08	296.1734881
59.78799498	0.000	-5.36E+08	186.2729775
59.69880727	0.000	-5.36E+08	161.4157736
59.62205655	0.000	-5.32E+08	207.2388307
58.18989794	0.000	-5.25E+08	279.1835044
58.22939667	0.000	-5.38E+08	237.6766846
58.713173	0.000	-5.40E+08	215.3952491
59.9705179	0.000	-5.47E+08	135.1429674
60.10655477	0.000	-5.36E+08	133.1775867
60.23853778	0.000	-5.47E+08	137.3949277
60.47835935	0.000	-5.32E+08	136.2697087
60.21100819	0.000	-5.23E+08	138.1532399
60.96512943	0.000	-5.44E+08	207.3429693
60.89866921	0.000	-5.44E+08	189.7791382
60.72520852	0.000	-5.52E+08	190.7056302
59.90978222	0.000	-5.57E+08	184.5760226
59.75983061	0.000	-5.61E+08	190.2563144
60.42491308	0.000	-5.54E+08	188.9737671
62.41659419	0.000	-5.42E+08	149.043938
62.24202991	0.000	-5.07E+08	124.5554645
61.26580767	0.000	-4.43E+08	180.5954032
61.05413908	0.000	-5.46E+08	177.0858762
60.35323708	0.000	-5.14E+08	156.623414
59.92743897	0.000	-5.40E+08	337.0035095
58.51896215	0.000	-5.41E+08	331.9981521
59.30899152	0.000	-5.30E+08	276.5953163

60.26276744	0.000	-4.95E+08	203.2715006
61.37081167	0.000	-5.05E+08	206.6548838
59.96597066	0.000	-5.16E+08	258.2818034
59.76363124	0.000	-5.11E+08	182.4611046
59.18436179	0.000	-5.19E+08	254.7909948
58.69160897	0.000	-5.27E+08	231.4786156
58.57353037	0.000	-5.20E+08	231.7800316
58.71258932	0.000	-5.12E+08	216.8592913
59.65749867	0.000	-4.59E+08	258.6011204
59.94399674	0.000	-5.03E+08	153.9360414
60.06364969	0.000	-5.07E+08	179.6104558
60.12499756	0.000	-5.12E+08	164.9394074
59.2794331	0.000	-5.02E+08	220.9543435
59.46532242	0.000	-4.99E+08	166.8925136
59.95425088	0.000	-5.07E+08	153.3644519
59.60698086	0.000	-5.04E+08	165.5086922
60.33018908	0.000	-5.00E+08	120.5891271
60.54206622	0.000	-4.85E+08	99.60037885
60.7231531	0.000	-4.93E+08	93.75537357
59.93997219	0.000	-4.96E+08	124.7268437
60.43901317	0.000	-4.92E+08	119.7665473
57.93807266	0.000	-4.73E+08	377.1014911
57.4717396	0.000	-4.67E+08	357.3000222
57.86684896	0.000	-4.64E+08	239.8078549
58.60722704	0.000	-4.50E+08	149.0915493
59.53669856	0.000	-4.54E+08	127.6764622
59.91610337	0.000	-4.51E+08	133.9606432
59.47550387	0.000	-4.50E+08	135.8869248
59.94399674	0.000	-4.58E+08	139.1297062
60.27050919	0.000	-4.65E+08	143.930894
60.12437459	0.000	-4.62E+08	153.5706223
59.38112577	0.000	-4.55E+08	284.8772975
57.22507195	0.000	-4.58E+08	313.4317625
56.84034288	0.000	-4.54E+08	269.8571944
57.26383914	0.000	-4.61E+08	187.9946957
58.64920057	0.000	-4.58E+08	187.2862822
59.9364082	0.000	-4.60E+08	170.7236753
60.24530227	0.000	-4.55E+08	188.8470564
58.13009267	0.000	-4.52E+08	226.0330664
58.31043104	0.000	-4.46E+08	125.8296954
59.72949208	0.000	-4.49E+08	102.2821043
56.45362083	0.000	-4.64E+08	257.0877977
55.32454885	0.000	-4.66E+08	337.476219
56.52802354	0.000	-4.63E+08	184.0595407
56.87149682	0.000	-4.62E+08	176.6075062
56.53102408	0.000	-4.65E+08	241.3516866
56.6903458	0.000	-4.72E+08	177.0828665
57.36766742	0.000	-4.73E+08	174.0633222
58.3529918	0.000	-4.80E+08	146.1055686
59.49078102	0.000	-4.62E+08	110.2906276
59.7786983	0.000	-4.71E+08	96.10595206
59.64184885	0.000	-4.66E+08	101.060333

59.2451665	0.000	-4.60E+08	135.7978365
56.84834977	0.000	-4.50E+08	284.1585485
54.58872304	0.000	-4.54E+08	262.7317002
54.01085794	0.000	-4.60E+08	350.101623
55.10956112	0.000	-4.63E+08	291.7418519
55.52120173	0.000	-4.65E+08	182.6542537
56.54326361	0.000	-4.57E+08	166.5073472
56.33702588	0.000	-4.53E+08	116.9441282
56.68664433	0.000	-4.38E+08	113.2690574
57.26270943	0.000	-4.39E+08	86.25733006
58.1427928	0.000	-4.45E+08	77.09204569
57.50393918	0.000	-4.45E+08	85.48848709
57.66474829	0.000	-4.55E+08	101.9692334
57.16270119	0.000	-4.62E+08	181.7467876
56.65744498	0.000	-4.57E+08	123.1435028
57.24387562	0.000	-4.57E+08	100.5657594
57.39036601	0.000	-3.85E+08	153.7909553
55.61373109	0.000	-4.68E+08	162.2798362
55.69822312	0.000	-4.42E+08	108.9517226
56.75439657	0.000	-4.66E+08	94.39769142
56.09610094	0.000	-4.68E+08	112.7029176
57.06629707	0.000	-4.74E+08	122.7662869
57.71635791	0.000	-4.73E+08	191.6818022
55.14888529	0.000	-4.72E+08	255.5970331
55.7481725	0.000	-4.60E+08	222.9312166
54.86912493	0.000	-4.66E+08	221.3398933
54.86919617	0.000	-4.74E+08	180.6931886
55.32982432	0.000	-4.77E+08	167.2543084
56.02708091	0.000	-4.75E+08	99.25871077
57.20190678	0.000	-4.78E+08	86.94551303
55.84135231	0.000	-4.78E+08	193.8902457
53.98062026	0.000	-4.78E+08	142.9437691
55.19227921	0.000	-4.75E+08	94.85602298
56.49589448	0.000	-4.73E+08	60.21066417
56.87688606	0.000	-4.86E+08	53.15332073
57.85356306	0.000	-4.79E+08	176.9928353
55.77405041	0.000	-4.85E+08	245.1266377
54.69398627	0.000	-5.00E+08	134.815749
54.7795903	0.000	-5.04E+08	110.8860565
54.69036823	0.000	-4.93E+08	117.5588188
52.8871219	0.000	-4.99E+08	170.296186
53.15083781	0.000	-4.91E+08	176.5361716
54.90369127	0.000	-4.97E+08	189.4713527
52.38716679	0.000	-4.91E+08	161.1706806
52.40813543	0.000	-4.93E+08	147.5551796
52.77999044	0.000	-5.04E+08	186.4988208
51.72970363	0.000	-4.95E+08	237.5215008
50.69967626	0.000	-3.80E+08	217.4475209
50.46577664	0.000	-5.15E+08	123.6960532
51.23765499	0.000	-5.04E+08	104.3082263
53.08370046	0.000	-5.11E+08	105.0994273
55.20675191	0.000	-5.09E+08	51.98457497

54.84315484	0.000	-5.01E+08	105.9969603
53.99069949	0.000	-4.91E+08	101.4726984
52.98496927	0.000	-4.57E+08	91.75887382
53.63243293	0.000	-4.91E+08	148.5349361
52.04835586	0.000	-5.09E+08	80.10887695
51.80959274	0.000	-5.24E+08	136.5000843
50.01215853	0.000	-5.22E+08	185.9009972
50.94725389	0.000	-5.25E+08	125.4090457
52.43981823	0.000	-5.25E+08	132.4077323
51.05278991	0.000	-5.26E+08	108.7135039
52.51272803	0.000	-5.29E+08	116.3493673
53.38913851	0.000	-5.19E+08	83.77059382
51.52857185	0.000	-5.11E+08	92.57372659
51.08536063	0.000	-4.99E+08	82.25952258
52.05705338	0.000	-5.06E+08	47.57583645
54.46147874	0.000	-5.03E+08	119.9903708
51.26126092	0.000	-5.21E+08	119.5200557
51.94049674	0.000	-5.44E+08	59.88226561
51.8257037	0.000	-5.33E+08	64.11779825
52.28153282	0.000	-5.46E+08	53.35558884
55.51913577	0.000	-5.46E+08	71.69730881
51.49364178	0.000	-5.46E+08	92.57888439
51.57990039	0.000	-5.48E+08	79.12110495
49.9642277	0.000	3.13E+09	110.8090895
50.03357322	0.000	-3.00E+08	79.35765861
51.20312212	0.000	-3.81E+08	129.9705626
48.85146039	0.000	-4.66E+08	90.22949807
51.06092389	0.000	-5.21E+08	104.7789064
49.62845421	0.000	-5.43E+08	159.557936
49.23442856	0.000	-5.44E+08	110.5021401
50.23953513	0.000	-5.39E+08	55.97869574
50.14809404	0.000	-5.34E+08	115.9847115
49.63500532	0.000	-5.51E+08	81.96139033
49.7632363	0.000	-5.66E+08	107.0515844
50.32461693	0.000	-5.57E+08	126.3766128
50.50343712	0.000	-5.49E+08	73.5547346
50.49146121	0.000	-5.54E+08	110.864496
49.21295255	0.000	-5.57E+08	77.38720825
50.39609874	0.000	-1.11E+09	70.21343717
50.26980794	0.000	-5.84E+08	63.47293909
52.0118242	0.000	-5.82E+08	62.69531898
52.67721813	0.000	-5.95E+08	50.7462656
52.3986366	0.000	-5.82E+08	33.13319828
51.47288971	0.000	-5.78E+08	104.3274101
52.41936485	0.000	-5.62E+08	92.59860673
53.69585948	0.000	-5.70E+08	52.55677244
53.29104328	0.000	-5.70E+08	53.73646964
51.60140862	0.000	-5.58E+08	56.0226893
51.89549178	0.000	-5.00E+08	27.68627968
53.5354919	0.000	-5.25E+08	7.791224221
52.80777744	0.000	-5.66E+08	32.04562283
51.86840075	0.000	-5.85E+08	35.22262581

51.94416385	0.000	-5.97E+08	33.76644318
52.50601227	0.000	-5.90E+08	18.11548776
51.78576848	0.000	-5.52E+08	56.33586904
51.14780713	0.000	-5.53E+08	89.91115581
50.28533743	0.000	-5.98E+08	66.63533918
50.50567463	0.000	-5.99E+08	63.300461
51.46648642	0.000	-5.91E+08	49.25983158
51.6479113	0.000	-5.92E+08	113.9540183
50.83467867	0.000	-5.83E+08	83.3847871
53.3863236	0.000	-5.76E+08	108.2922723
51.33165114	0.000	-5.85E+08	53.29671505
53.00190768	0.000	-5.81E+08	54.39326362
56.22771307	0.000	-5.75E+08	17.76432787
55.75446796	0.000	-5.70E+08	46.24765841
53.39590994	0.000	-5.76E+08	37.56091774
52.93210519	0.000	-5.75E+08	76.70841613
51.10038081	0.000	-5.91E+08	88.24403404
51.66886234	0.000	-5.84E+08	63.49999274
52.41854011	0.000	-5.86E+08	58.8542455
53.42775186	0.000	-5.90E+08	72.60444946
53.28145964	0.000	-5.79E+08	40.801891
54.10704003	0.000	-5.83E+08	41.75603676
56.5177415	0.000	-5.67E+08	13.55861678
56.75737125	0.000	-5.56E+08	63.37357554
51.64564345	0.000	-5.59E+08	130.1897537
50.99704548	0.000	-5.63E+08	65.63180371
52.94379476	0.000	-5.57E+08	38.63027057
54.22364924	0.000	-5.18E+08	21.19589776
56.17752071	0.000	-5.63E+08	7.549901867
53.28740911	0.000	-5.58E+08	33.57859448
53.17386562	0.000	-5.54E+08	97.37327188
50.34708663	0.000	-5.57E+08	122.3832863
52.03863459	0.000	-5.57E+08	114.2839603
55.44069124	0.000	-5.56E+08	69.95621535
56.04821824	0.000	-5.22E+08	77.40921093
49.83365273	0.000	-5.59E+08	123.9786766
50.90265988	0.000	-5.62E+08	80.8642457
52.28983001	0.000	-5.58E+08	89.19175472
54.77503527	0.000	-5.66E+08	14.24735791
56.58782328	0.000	-5.66E+08	49.22783004
54.06449612	0.000	-5.62E+08	71.81779965
53.18930067	0.000	-5.62E+08	99.99082034
53.08126848	0.000	-5.61E+08	88.15767161
54.73856305	0.000	-5.64E+08	66.70060077
54.08781778	0.000	-5.63E+08	43.42418675
53.23811788	0.000	-5.60E+08	50.01010567
52.07308747	0.000	-5.56E+08	106.6982202
51.26735414	0.000	-5.52E+08	212.0799509
53.0035397	0.000	-5.58E+08	134.3949157
52.3982513	0.000	-5.62E+08	83.05239887
53.8801304	0.000	-5.65E+08	112.9991358
52.24515038	0.000	-5.60E+08	95.99452552

54.66194523	0.000	-5.54E+08	100.8852904
54.13886681	0.000	-5.56E+08	60.49687246
56.60866714	0.000	-5.48E+08	28.38729362
56.3511568	0.000	-5.41E+08	71.51033109
53.73713058	0.000	-5.39E+08	58.24027567
54.03865061	0.000	-5.50E+08	38.84648896
55.05402613	0.000	-5.56E+08	49.22548496
53.71122991	0.000	-5.57E+08	141.1898356
53.16613341	0.000	-5.58E+08	107.8141905
52.88474475	0.000	-5.57E+08	107.9556642
54.6224974	0.000	-5.55E+08	32.29672003
54.9041119	0.000	-5.43E+08	129.2463411
55.58396532	0.000	-5.30E+08	110.8243737
55.83646139	0.000	-5.22E+08	113.1133552
53.42319013	0.000	-5.14E+08	123.7162745
52.48054739	0.000	-4.93E+08	155.9468392
51.51021384	0.000	1.90E+09	150.8668905
52.51046344	0.000	5.96E+09	103.3300499
53.16173233	0.000	2.32E+09	69.2654746
55.2174665	0.000	-2.99E+08	41.56842533
54.15057979	0.000	-3.14E+08	47.57137801
53.20895367	0.000	-3.22E+08	52.17668847
54.50127512	0.000	-3.40E+08	76.52498461
53.94481315	0.000	-3.31E+08	57.73701958
54.68189651	0.000	-2.14E+08	70.98408685
54.91427121	0.000	-2.20E+08	70.97747932
57.48892311	0.000	-2.13E+08	53.26113789
58.45959965	0.000	-1.48E+08	13.36095231
57.50563768	0.000	-1.06E+08	18.57566098
60.26676181	0.000	-9.62E+07	9.888199645
58.50245424	0.000	-2.98E+07	23.96878223
55.79971393	0.000	2.65E+07	43.62206946
58.59794792	0.000	4.06E+07	21.3106516
59.29688068	0.000	1.18E+08	35.98070754
57.96982513	0.000	1.43E+08	93.93299934
57.69971593	0.000	1.65E+08	83.53991301
55.69108604	0.000	2.33E+08	143.9295253
53.55753042	0.000	2.57E+08	192.5690128
53.81195968	0.000	3.06E+08	271.8135605
54.5922251	0.000	3.41E+08	151.811727
57.10954532	0.000	3.63E+08	165.0571922
58.70170051	0.000	4.98E+08	105.6698209
59.5771108	0.000	5.03E+08	59.03344153
59.96552974	0.000	5.15E+08	59.03293835
59.06145112	0.000	5.83E+08	81.51143044
54.86836385	0.000	6.27E+08	153.0468022
55.22169149	0.000	6.43E+08	199.8009795
56.96455151	0.000	6.60E+08	141.3923522
57.93036028	0.000	6.81E+08	160.994473
55.93376189	0.000	6.97E+08	133.642556
57.01484082	0.000	7.21E+08	132.1446944
58.5850138	0.000	8.30E+08	73.63492708

59.23714194	0.000	9.92E+08	53.20498434
59.45633188	0.000	9.84E+08	51.43621429
59.90525718	0.000	1.00E+09	67.08980853
59.59249679	0.000	1.01E+09	87.26207381
57.17482175	0.000	1.02E+09	202.1434717
55.67255903	0.000	1.04E+09	211.4356193
56.56814056	0.000	1.08E+09	130.1813553
57.57320055	0.000	1.13E+09	104.9275794
58.8187626	0.000	1.13E+09	100.9315975
59.63541277	0.000	1.16E+09	107.0918678
59.60807876	0.000	1.15E+09	126.7049246
57.09546733	0.000	1.16E+09	301.8544408
56.93842488	0.000	1.25E+09	258.4399244
55.93140197	0.000	1.27E+09	191.4437356
56.05913364	0.000	1.54E+09	200.4877935
56.29342785	0.000	5.65E+09	138.8779403
57.4875041	0.000	5.96E+09	105.6968249
58.16588325	0.000	5.96E+09	76.1968071
57.86011007	0.000	5.95E+09	100.616474
57.94413742	0.000	5.96E+09	66.57593549
59.59546805	0.000	5.96E+09	74.37356274
58.64626456	0.000	5.96E+09	195.2894075
58.6180731	0.000	5.96E+09	168.4196837
58.8963302	0.000	5.96E+09	152.2604698
57.44456004	0.000	5.96E+09	124.1513618
59.01571245	0.000	5.96E+09	142.99473
57.88884077	0.000	5.96E+09	143.8877105
58.20808404	0.000	5.96E+09	131.2587334
58.15187081	0.000	5.96E+09	178.0567385
57.14799141	0.000	5.96E+09	206.3679602
57.68924407	0.000	5.96E+09	149.0894064
60.32228946	0.000	5.96E+09	131.2703017
59.14622386	0.000	5.96E+09	239.4506825
58.38313147	0.000	5.97E+09	223.2372232
59.28498109	0.000	5.98E+09	78.01454937
59.45781586	0.000	5.97E+09	65.77199324
59.3656102	0.000	6.22E+09	92.37323529
59.51940704	0.000	5.96E+09	115.6815869
59.61333459	0.000	5.96E+09	136.3083093
59.932519	0.000	5.96E+09	145.4417459
60.10273967	0.000	5.95E+09	157.4059431
61.18483016	0.000	5.96E+09	80.02389451
61.00241683	0.000	5.97E+09	78.91693621
60.98346328	0.000	5.97E+09	99.27982365
59.97754324	0.000	5.97E+09	106.0139124
60.14905853	0.000	4.71E+09	142.4194232
61.1256731	0.000	2.93E+09	235.6611077
60.50564002	0.000	1.49E+09	190.2984145
60.28010066	0.000	-1.33E+08	173.1428164
60.6359454	0.000	-5.50E+08	174.8683848
60.96766271	0.000	-5.60E+08	170.6814981
60.82261679	0.000	-5.66E+08	158.5833672

59.20650454	0.000	-5.87E+08	197.0968979
59.23588738	0.000	-5.88E+08	227.5700542
59.95341915	0.000	-5.73E+08	184.375795
60.33524578	0.000	-5.75E+08	186.9938249
59.6285509	0.000	-5.69E+08	142.9913577
61.6689704	0.000	-5.54E+08	125.9081236
61.85303768	0.000	-5.47E+08	129.5032851
62.13719343	0.000	-5.40E+08	202.7225164
62.06467648	0.000	-5.15E+08	262.3627162
59.13285731	0.000	-5.34E+08	422.1220688
58.56430333	0.000	-5.74E+08	266.3329429
60.78408263	0.000	-5.70E+08	182.2231787
61.29788449	0.000	-5.78E+08	204.7526496
60.0694461	0.000	-5.70E+08	325.5059245
59.74386488	0.000	-5.24E+08	290.2213029
60.12406392	0.000	-5.07E+08	197.1358862
61.29415521	0.000	-5.11E+08	184.2113622
61.72328489	0.000	-5.55E+08	192.245077
61.96084787	0.000	-5.52E+08	242.314646
60.08590579	0.000	-5.66E+08	266.2803051
59.93153474	0.000	-4.50E+08	242.4914998
60.18118308	0.000	-4.07E+08	323.3293569
60.23886902	0.000	-3.87E+08	257.0975524
61.26275343	0.000	-4.88E+08	205.2562277
61.97783227	0.000	-5.37E+08	229.0228601
60.35242167	0.000	-5.40E+08	181.5886519
59.78554643	0.000	-5.47E+08	190.1821452
59.26850644	0.000	-5.41E+08	262.5185032
59.20244366	0.000	-5.58E+08	254.0833304
59.89219279	0.000	-5.54E+08	209.6983388
60.88152071	0.000	-5.54E+08	134.9196054
61.18152574	0.000	-5.47E+08	164.4409231
61.88669064	0.000	-5.41E+08	238.4141826
60.57618973	0.000	-5.36E+08	229.7432323
59.65168096	0.000	-5.34E+08	255.6070841
58.76458535	0.000	-3.26E+08	286.261887
58.01139137	0.000	-5.19E+08	212.0710925
59.21244205	0.000	-4.07E+08	207.1777726
59.52696191	0.000	-4.37E+08	217.6483841
59.68862483	0.000	4.97E+09	244.8598161
59.84275848	0.000	2.27E+09	212.1483724
60.36922184	0.000	-4.52E+08	199.0820537
60.51176629	0.000	-2.41E+08	142.005618
61.25338825	0.000	-4.39E+08	114.7621271
61.69747451	0.000	-3.28E+08	125.7693188
62.05875802	0.000	-4.10E+08	119.9614819
62.43827851	0.000	-4.85E+08	108.1799499
62.57214494	0.000	-5.12E+08	134.1687901
62.10119408	0.000	-5.11E+08	170.8079452
58.72217321	0.000	-4.95E+08	155.6293975
60.30183662	0.000	-4.87E+08	205.1119848
60.39524416	0.000	-4.93E+08	172.3715594

60.48135959	0.000	-4.90E+08	182.4455526
60.26123007	0.000	-4.99E+08	197.033471
60.24781743	0.000	-4.88E+08	216.2892431
61.2276262	0.000	-4.79E+08	240.3658354
60.51595003	0.000	-4.80E+08	174.3792341
60.19558448	0.000	-4.68E+08	182.0027364
61.25642382	0.000	-4.61E+08	207.2611556
60.34904307	0.000	-4.54E+08	219.417787
60.20399697	0.000	-4.60E+08	209.5721671
60.61814186	0.000	-4.59E+08	260.4504411
60.1772809	0.000	-4.48E+08	241.03548
59.82511146	0.000	-4.60E+08	222.5276864
59.75046936	0.000	-4.58E+08	233.9581336
60.49597328	0.000	-4.50E+08	183.9512262
60.5148127	0.000	-4.48E+08	155.1043031
60.56276124	0.000	-4.50E+08	148.6892657
60.69811419	0.000	-4.49E+08	150.4166737
60.83073003	0.000	-4.43E+08	202.5741968
60.07819596	0.000	-4.50E+08	195.530806
59.1291775	0.000	-4.37E+08	233.8739402
59.25148653	0.000	-4.26E+08	181.06165
60.11504318	0.000	-4.10E+08	214.455515
60.16431476	0.000	-4.03E+08	262.5331132
58.95632888	0.000	-4.05E+08	213.2327761
59.13813373	0.000	-4.11E+08	217.265259
59.76933684	0.000	-3.97E+08	178.2615251
59.92628687	0.000	-3.75E+08	176.2953551
60.64952527	0.000	-3.61E+08	149.2437105
60.10965202	0.000	-2.80E+08	298.6857007
59.19239142	0.000	-2.17E+08	247.2717419
59.0104653	0.000	-2.96E+08	226.5573406
57.19293917	0.000	-1.93E+08	319.7537591
56.53786872	0.000	-1.09E+08	349.6967336
57.08737153	0.000	-5.53E+07	304.3011422
57.94725156	0.000	-4.73E+07	200.5551885
58.67591935	0.000	-1.44E+07	170.3497801
58.86363611	0.000	1.04E+07	201.3588364
58.34335396	0.000	8.49E+07	132.147289
59.0134589	0.000	1.14E+08	113.2911405
59.43654443	0.000	1.85E+08	132.3210072
59.556017	0.000	2.52E+08	122.7374241
59.26418221	0.000	2.41E+08	144.474556
57.72751295	0.000	2.55E+08	222.225674
55.86838319	0.000	2.74E+08	280.092847
57.15039103	0.000	4.28E+08	261.2139741
56.14436412	0.000	4.36E+08	268.3649338
56.21142297	0.000	4.50E+08	309.0581832
55.95627087	0.000	4.59E+08	305.670677
56.55123889	0.000	4.69E+08	258.7923187
57.9675435	0.000	4.69E+08	196.6844365
58.92401346	0.000	5.73E+08	122.5569585
58.9902393	0.000	5.58E+08	138.1232456

59.08089837	0.000	5.87E+08	160.9320274
57.12392118	0.000	6.01E+08	206.5409238
55.08173581	0.000	6.44E+08	248.4444556
54.14682353	0.000	7.86E+08	257.1558438
54.29866656	0.000	7.84E+08	190.8255406
56.3454417	0.000	7.98E+08	134.5107431
57.53637977	0.000	8.54E+08	131.354126
57.88948796	0.000	9.28E+08	101.9784503
58.39880997	0.000	9.54E+08	105.6310078
58.61361289	0.000	9.76E+08	91.97687398
57.31462235	0.000	1.01E+09	154.1434213
57.03407566	0.000	1.03E+09	221.7564792
55.65715333	0.000	1.13E+09	282.5309246
54.4518241	0.000	1.17E+09	182.5950584
55.15578034	0.000	1.16E+09	170.7598554
57.23568741	0.000	1.19E+09	119.3176018
57.26116176	0.000	1.27E+09	95.12051389
58.78767954	0.000	1.27E+09	64.91815715
58.43721593	0.000	1.30E+09	83.77386554
59.44695973	0.000	1.36E+09	70.10063556
59.9351221	0.000	1.43E+09	224.3182733
56.55900806	0.000	1.43E+09	350.878031
54.34554644	0.000	1.44E+09	314.2803559
53.65906676	0.000	1.51E+09	264.2544918
53.48747415	0.000	1.55E+09	241.7594106
55.14494653	0.000	1.55E+09	201.3714519
55.14494653	0.000	1.56E+09	195.898569
56.30022684	0.000	1.60E+09	89.72810981
58.21505147	0.000	1.69E+09	48.16340934
57.70761665	0.000	1.70E+09	53.75177718
56.37235597	0.000	1.71E+09	151.422055
55.45761516	0.000	1.83E+09	235.1027822
54.48546288	0.000	1.83E+09	245.4835474
56.10672837	0.000	1.83E+09	209.7274583
56.23048441	0.000	1.84E+09	164.3461721
55.95844534	0.000	1.85E+09	188.6247595
55.46386966	0.000	2.01E+09	171.9832959
56.06309472	0.000	1.96E+09	163.149587
52.97025574	0.000	1.95E+09	142.2616488
53.10947281	0.000	1.93E+09	132.0285284
54.24836072	0.000	2.15E+09	99.62217773
54.92484159	0.000	5.81E+09	104.0812572
56.21611783	0.000	6.13E+09	84.27693568
56.07781552	0.000	6.13E+09	94.71394494
54.22670414	0.000	6.13E+09	82.11829575
55.83509013	0.000	6.13E+09	93.49595319
55.47061718	0.000	6.12E+09	166.6427915
52.56432734	0.000	6.13E+09	221.2552553
53.23834642	0.000	6.14E+09	194.1398114
54.28357932	0.000	6.12E+09	162.612341
56.34866446	0.000	6.11E+09	29.80585581
57.22712547	0.000	6.11E+09	11.41677399

55.65627482	0.000	6.13E+09	36.22694921
56.68826387	0.000	6.14E+09	36.67149078
57.82095903	0.000	6.14E+09	9.916821416
57.3683232	0.000	6.12E+09	17.08929016
58.61285394	0.000	6.12E+09	19.58245568
57.58299762	0.000	6.12E+09	45.32447331
55.40440386	0.000	6.11E+09	147.1217223
53.66942921	0.000	6.10E+09	150.6446794
54.66740455	0.000	6.09E+09	146.7210943
56.74247519	0.000	6.11E+09	94.5611842
57.36626656	0.000	6.10E+09	74.12627463
56.73536185	0.000	6.11E+09	35.86980554
55.2333653	0.000	6.11E+09	66.91448627
54.31490897	0.000	6.10E+09	142.3958706
53.1159486	0.000	6.09E+09	102.4967991
54.01232635	0.000	6.10E+09	101.6461688
54.15361471	0.000	6.10E+09	70.50769157
55.5036183	0.000	6.11E+09	56.14392477
57.67530541	0.000	6.11E+09	14.01520617
55.67929835	0.000	6.10E+09	135.5568091
52.98000414	0.000	4.86E+09	99.36925243
54.59141537	0.000	2.71E+09	90.09055949
55.99823131	0.000	4.95E+08	135.148961
53.22061045	0.000	-5.26E+08	124.3460904
54.19014045	0.000	-5.61E+08	191.899322
52.71691869	0.000	-5.58E+08	186.022323
51.65617959	0.000	-5.69E+08	127.396583
53.67190798	0.000	-5.34E+08	122.5299672
54.27604166	0.000	-4.68E+08	97.2786641
51.49024717	0.000	-4.68E+08	154.8694903
51.40424841	0.000	-5.64E+08	136.3147228
51.20040271	0.000	-5.72E+08	167.3244458
52.31316808	0.000	-5.66E+08	133.9620382
52.91104852	0.000	-5.54E+08	119.6314051
50.38242345	0.000	-5.50E+08	138.5573596
50.63343245	0.000	-5.53E+08	133.1223441
50.2019469	0.000	-5.66E+08	140.5976813
50.17960665	0.000	-3.18E+08	116.8231523
49.97413488	0.000	5.24E+09	132.665704
50.52853638	0.000	5.96E+09	137.3806581
51.44943793	0.000	5.96E+09	109.757334
50.64031791	0.000	5.96E+09	83.96511069
51.6270566	0.000	5.96E+09	66.93586358
50.98426415	0.000	5.96E+09	93.65022855
53.12445206	0.000	5.96E+09	98.01344986
56.03800045	0.000	5.95E+09	25.58899551
54.91530544	0.000	5.95E+09	40.35250838
52.97032494	0.000	5.94E+09	75.48886186
53.80886402	0.000	5.95E+09	100.2934641
53.6160434	0.000	5.95E+09	70.69075818
54.46452126	0.000	5.96E+09	61.49460879
52.57168554	0.000	5.94E+09	68.90788302

54.16762227	0.000	5.95E+09	72.8129211
53.23685825	0.000	5.95E+09	66.66467688
51.37880317	0.000	5.99E+09	81.33278007
51.6943257	0.000	5.98E+09	67.1188766
52.28077832	0.000	5.95E+09	50.44262925
53.46341164	0.000	5.94E+09	58.26215175
53.69762094	0.000	5.93E+09	37.18608576
56.69798672	0.000	5.92E+09	2.972711666
54.23998538	0.000	5.93E+09	64.4488144
53.42877339	0.000	5.93E+09	72.91226828
54.76591354	0.000	5.92E+09	58.17892601
56.61644239	0.000	5.93E+09	20.17198172
57.08465733	0.000	5.93E+09	16.22059835
58.64299179	0.000	5.93E+09	6.526014899
55.24272517	0.000	5.93E+09	13.72259341
58.31700146	0.000	5.93E+09	17.8128556
53.16876022	0.000	5.93E+09	164.0811771
52.2001474	0.000	5.93E+09	139.490559
52.2035794	0.000	5.93E+09	195.373203
50.50712023	0.000	5.93E+09	166.5926793
52.5149159	0.000	5.93E+09	91.05922986
51.84467457	0.000	5.94E+09	60.47343147
53.09722922	0.000	5.94E+09	55.58252172
53.37671525	0.000	5.95E+09	63.33567599
53.64208689	0.000	5.95E+09	32.36034108
54.26564693	0.000	5.95E+09	157.4889529
53.09375647	0.000	5.95E+09	132.3088864
53.62601	0.000	5.95E+09	107.1995821
52.09044294	0.000	5.94E+09	92.03502686
52.9240173	0.000	5.94E+09	83.71823491
55.88500683	0.000	5.95E+09	67.35272369
53.87791431	0.000	5.95E+09	172.2484873
52.19093342	0.000	5.95E+09	123.7521888
53.5598553	0.000	5.95E+09	85.10910581
56.83859046	0.000	3.07E+09	46.36490301
56.51858842	0.000	-5.24E+08	38.4034484
54.91946057	0.000	-5.74E+08	81.774915
52.99682223	0.000	-5.84E+08	100.7563566
52.70087674	0.000	-5.89E+08	91.32701607
53.57224423	0.000	-5.84E+08	82.7160267
56.64682592	0.000	-5.77E+08	79.04998306
53.1065223	0.000	1.75E+09	185.3870612
51.08920053	0.000	5.95E+09	155.422146
52.27485633	0.000	5.13E+09	94.24780647
53.29156479	0.000	-1.82E+08	76.3588077
56.20745381	0.000	-5.70E+08	11.60662411
51.8874981	0.000	-5.70E+08	177.4662114
50.91822124	0.000	-5.64E+08	134.1287288
54.31238799	0.000	-5.54E+08	127.1465116
55.26960778	0.000	-5.63E+08	56.70975096
56.24043399	0.000	-5.60E+08	33.51428015
57.66945399	0.000	-5.71E+08	7.202874334

56.4688852	0.000	-5.69E+08	155.2048626
52.90421799	0.000	-5.65E+08	90.56312334
54.20694439	0.000	-5.63E+08	37.08303459
54.57963752	0.000	-5.16E+08	33.76430689
56.08343243	0.000	-5.40E+08	25.175969
57.81315447	0.000	-5.62E+08	18.32593234
58.59438843	0.000	-5.63E+08	14.33129827
53.77267043	0.000	-5.56E+08	103.1939037
53.5592622	0.000	-5.59E+08	77.28025666
53.79021851	0.000	-5.68E+08	73.66843556
53.85324724	0.000	-5.69E+08	58.9351997
55.14354592	0.000	-5.64E+08	91.4818239
51.97652023	0.000	-5.61E+08	240.9452209
52.64569022	0.000	-5.56E+08	155.6726296
55.47231717	0.000	-5.49E+08	74.44374434
56.06536647	0.000	-5.54E+08	50.45051161
55.70602768	0.000	-5.58E+08	32.33709706
54.98169668	0.000	-5.56E+08	101.5701376
53.61156308	0.000	-5.61E+08	63.64434691
56.2040994	0.000	-5.57E+08	69.8675804
58.79484791	0.000	-5.60E+08	20.27740089
54.97378155	0.000	-5.60E+08	67.94971893
56.57271357	0.000	-5.56E+08	92.29033192
57.09081245	0.000	-5.54E+08	108.9072302
57.98291996	0.000	-5.46E+08	86.22205467
54.43315104	0.000	-5.53E+08	202.9214522
54.4586914	0.000	-5.55E+08	181.651589
53.41798326	0.000	-5.54E+08	195.3229734
53.68934973	0.000	-5.61E+08	147.6029075
56.2282781	0.000	-5.66E+08	133.3807018
58.55346324	0.000	-5.58E+08	37.76869982
57.26563544	0.000	-5.65E+08	89.31297894
56.78358386	0.000	-5.56E+08	128.039131
56.92355613	0.000	-5.51E+08	42.95665909
58.70365235	0.000	-5.60E+08	21.66525854
59.2392186	0.000	-5.67E+08	31.74868648
59.80285445	0.000	-5.58E+08	17.63366556
60.95196987	0.000	-5.60E+08	11.61759864
61.29270265	0.000	-5.67E+08	17.86297591
60.46928677	0.000	-5.61E+08	28.94721753
59.28330744	0.000	-5.54E+08	26.55007646
59.66108838	0.000	-5.56E+08	32.71453764
56.64368079	0.000	-5.52E+08	116.1034634
56.53302574	0.000	-5.60E+08	149.9670805
55.19706708	0.000	-5.56E+08	269.1807276
55.45415987	0.000	-5.60E+08	175.9118132
56.8279036	0.000	-5.62E+08	166.1881629
56.21969473	0.000	-5.64E+08	163.3779259
56.60278581	0.000	-5.60E+08	133.3811889
58.60441671	0.000	-5.62E+08	72.20344649
58.17428071	0.000	-5.62E+08	211.0569073
56.59694674	0.000	-5.61E+08	210.8043978

58.01606573	0.000	-5.65E+08	152.9553638
58.92749923	0.000	-5.62E+08	84.79680901
57.90947239	0.000	-5.59E+08	163.3641303
55.58647668	0.000	-5.61E+08	205.4492872
55.805921	0.000	-5.78E+08	133.7615467
57.27256123	0.000	-5.60E+08	127.5027899
59.38697017	0.000	-5.62E+08	84.52958423
59.3917649	0.000	-5.68E+08	63.77922568
58.28607204	0.000	-5.77E+08	59.73719374
60.0530899	0.000	-5.72E+08	76.52175317
58.87481029	0.000	-5.70E+08	228.8961535
59.60671127	0.000	-5.65E+08	152.4813805
60.52646176	0.000	-5.70E+08	101.4444477
57.50728341	0.000	-5.68E+08	359.5240052
57.68694459	0.000	-5.76E+08	255.004202
58.92952413	0.000	-5.78E+08	214.9781093
60.31810451	0.000	-5.66E+08	150.0696687
57.52804327	0.000	-5.67E+08	253.7924819
55.26887401	0.000	-5.70E+08	253.0800279
55.82358885	0.000	-5.68E+08	271.1986365
55.67117004	0.000	-5.66E+08	232.056745
55.77404167	0.000	-5.69E+08	198.3202836
56.97680148	0.000	-5.76E+08	129.5160647
58.94745043	0.000	-5.68E+08	128.1949526
59.48015024	0.000	-5.74E+08	109.489325
59.66504926	0.000	-5.80E+08	69.61970884
59.97915291	0.000	-5.74E+08	85.81334623
59.58834397	0.000	-5.64E+08	89.27953545
59.36579505	0.000	-5.62E+08	104.408063
59.51119068	0.000	-5.64E+08	83.5319062
60.90596401	0.000	-5.62E+08	98.31236287
62.48560413	0.000	-5.66E+08	114.8193423
61.71865796	0.000	-5.68E+08	152.3397899
60.37682039	0.000	-5.67E+08	236.5699129
60.51132445	0.000	-5.68E+08	164.0944117
62.31047994	0.000	-5.69E+08	124.9150749
60.79102641	0.000	-5.80E+08	148.8820223
58.17894875	0.000	-5.80E+08	285.40894
57.78238762	0.000	-5.78E+08	224.6736564
58.74950224	0.000	-5.66E+08	203.3563161
60.89384799	0.000	-5.79E+08	141.8768566
61.6904185	0.000	-5.76E+08	214.0742794
62.72352072	0.000	-5.79E+08	194.53798
61.71783341	0.000	-3.05E+07	143.53489
60.04732865	0.000	-5.28E+08	149.5661221
59.49176387	0.000	-5.58E+08	203.5941058
59.86896445	0.000	-5.64E+08	285.5602822
60.25161217	0.000	-5.68E+08	208.8364339
60.25161217	0.000	-5.66E+08	209.3294112
60.25161217	0.000	-5.36E+08	210.2937112
60.19982573	0.000	-5.65E+08	236.4832911
60.19982573	0.000	-5.55E+08	235.0270974

59.73999682	0.000	-5.60E+08	185.6879803
60.72260559	0.000	-3.98E+08	136.0078477
62.45306843	0.000	-5.28E+08	147.7267709
62.36614396	0.000	-5.53E+08	174.7542304
62.09025042	0.000	-5.49E+08	231.8551545
61.15202553	0.000	-5.57E+08	240.924913
60.62750163	0.000	-5.66E+08	210.949392
60.91412521	0.000	-5.74E+08	211.4571714
60.8608158	0.000	-5.80E+08	179.7464974
60.8608158	0.000	-5.61E+08	183.5427781
62.21511326	0.000	-5.62E+08	167.7221873
61.91655498	0.000	-5.18E+08	144.5705042
62.46110515	0.000	-5.19E+08	155.4092405
62.89680553	0.000	-5.50E+08	254.1231232
61.09260222	0.000	-5.60E+08	388.7894703
61.07237314	0.000	-5.57E+08	218.7859838
61.44914109	0.000	-5.48E+08	314.3133429
61.86528241	0.000	-5.52E+08	299.2921478
61.85385237	0.000	-5.15E+08	193.657208
60.52403282	0.000	-5.63E+08	442.6935616
59.47964115	0.000	-5.48E+08	298.7542757
60.60765747	0.000	-5.37E+08	265.7074531
59.35607996	0.000	-5.34E+08	203.2025036
61.40712714	0.000	-5.40E+08	157.7059648
62.22546587	0.000	-5.32E+08	175.0518475
62.42579216	0.000	-5.47E+08	158.0954817
62.51100436	0.000	-5.42E+08	167.3523138
61.93984831	0.000	-5.36E+08	149.9077199
61.4946057	0.000	-4.77E+08	195.7690079
61.07808683	0.000	-4.85E+08	190.2051927
61.76207444	0.000	-4.88E+08	219.2225145
62.0921575	0.000	-4.81E+08	271.0271422
60.68540951	0.000	-5.57E+08	166.2169745
59.78230236	0.000	-5.70E+08	234.9994098
59.19803311	0.000	-5.59E+08	212.8184122
59.92946603	0.000	-5.66E+08	164.0129465
62.11513145	0.000	-5.66E+08	149.7069659
63.42413785	0.000	-5.56E+08	172.2333588
63.5229543	0.000	-5.40E+08	229.3371865
62.39452035	0.000	-4.81E+08	169.7883928
62.38196522	0.000	-5.26E+08	183.1526396
61.2959917	0.000	-5.27E+08	151.8369401
61.74163927	0.000	-5.23E+08	184.7232772
62.03412472	0.000	-5.18E+08	189.6480331
62.16717484	0.000	-5.08E+08	246.3046524
61.80806115	0.000	-4.93E+08	463.8570528
59.9982814	0.000	-5.01E+08	449.3767407
60.12454719	0.000	-5.01E+08	365.9497676
60.35765075	0.000	-5.05E+08	293.6233511
60.850374	0.000	-4.99E+08	271.9910075
61.49206203	0.000	-4.84E+08	247.1226377
61.93937765	0.000	-4.85E+08	182.499882

63.11680875	0.000	-4.85E+08	186.8178942
62.91311929	0.000	-4.53E+08	295.1714301
61.90901661	0.000	-4.84E+08	237.1765728
61.2245362	0.000	-4.72E+08	191.8332672
62.22516105	0.000	-4.70E+08	193.3674559
62.25717374	0.000	-4.77E+08	164.7241761
62.46518218	0.000	-4.84E+08	142.0591604
62.75496667	0.000	-4.89E+08	247.3120801
61.52111695	0.000	-4.84E+08	245.3347385
62.03216088	0.000	-4.83E+08	220.6165635
63.54259498	0.000	-4.74E+08	195.2719554
61.93466442	0.000	-4.73E+08	188.0011986
61.69655555	0.000	-4.71E+08	243.6396114
60.42548079	0.000	-4.66E+08	196.4154818
59.83050475	0.000	-4.69E+08	260.9212972
58.37914558	0.000	-4.77E+08	279.126149
57.97305124	0.000	-4.72E+08	285.8131113
58.38660831	0.000	-4.48E+08	215.8187997
58.17644959	0.000	-4.40E+08	230.8836424
58.24411822	0.000	-4.44E+08	258.7063185
58.64579808	0.000	-4.47E+08	175.9115405
59.84777398	0.000	-4.58E+08	146.9916919
61.25113155	0.000	-4.53E+08	122.451617
60.27596921	0.000	-4.60E+08	217.0037546
59.63238874	0.000	-4.47E+08	219.3758327
59.27288308	0.000	-4.31E+08	179.414374
59.20496309	0.000	-4.20E+08	168.7024459
60.06320799	0.000	-4.08E+08	249.1913003
60.57521977	0.000	-4.01E+08	174.6611819
61.11721814	0.000	-4.12E+08	320.9429704
58.96525818	0.000	-4.32E+08	255.7473665
58.70520931	0.000	-4.24E+08	215.7167386
59.35766628	0.000	-4.32E+08	146.0460465
59.72935326	0.000	-4.33E+08	116.3040973
59.703863	0.000	-4.48E+08	93.79109638
59.75956705	0.000	-4.41E+08	164.125383
59.47649655	0.000	-4.55E+08	120.6373148
59.34004683	0.000	-4.66E+08	149.2113248
59.90159419	0.000	-4.54E+08	131.7061544
59.90905841	0.000	-4.52E+08	151.3639454
59.80056154	0.000	-4.46E+08	128.8338778
59.26436233	0.000	-4.36E+08	251.4609781
58.63136277	0.000	-4.30E+08	247.2109421
58.6639373	0.000	-4.32E+08	217.198184
58.23276559	0.000	-4.26E+08	153.8955866
60.33030054	0.000	-4.11E+08	116.1899417
60.00095682	0.000	-4.12E+08	240.0241869
58.13983676	0.000	-4.29E+08	179.0814687
58.35600417	0.000	-4.42E+08	129.3282578
58.97558638	0.000	-4.40E+08	128.2582174
59.98863522	0.000	-4.44E+08	81.31641437
60.84909401	0.000	-4.44E+08	76.19733322

60.29927422	0.000	-4.32E+08	125.027327
61.2617254	0.000	-4.21E+08	179.7641797
58.4708426	0.000	-4.19E+08	250.950016
59.31102319	0.000	-4.06E+08	206.6644671
57.32648681	0.000	-3.98E+08	315.8454016
57.25392595	0.000	-3.94E+08	181.2266328
57.92229365	0.000	-3.95E+08	133.64178
58.4138362	0.000	-3.81E+08	121.4365309
58.48208076	0.000	-4.00E+08	129.908817
58.3069729	0.000	-4.30E+08	121.4949021
56.26285151	0.000	-4.37E+08	330.400006
55.44362847	0.000	-4.58E+08	239.5481191
56.18586038	0.000	-4.54E+08	202.0584756
56.11534162	0.000	-4.52E+08	175.3076425
54.90331599	0.000	-4.46E+08	169.195817
56.44918002	0.000	-4.32E+08	253.05043
57.12690944	0.000	-4.22E+08	151.6976763
55.41595668	0.000	-4.32E+08	150.6423883
55.48037243	0.000	-4.34E+08	121.4661071
55.81380886	0.000	-4.30E+08	121.4797661
55.68190459	0.000	-4.26E+08	194.5970867
54.84506985	0.000	-4.19E+08	178.4857501
54.84506985	0.000	-4.03E+08	170.262133
56.80997632	0.000	-4.10E+08	99.5798613
54.96316379	0.000	-4.16E+08	166.0432163
53.89091715	0.000	-4.10E+08	195.2794854
53.04969648	0.000	-4.12E+08	219.5087594
53.18801709	0.000	-4.11E+08	191.077619
53.91146665	0.000	-4.17E+08	174.791014
52.95014721	0.000	-4.19E+08	182.7858321
53.50436764	0.000	-4.32E+08	136.3499558
54.24809164	0.000	-4.42E+08	114.161223
54.07112879	0.000	-4.66E+08	125.3283664
54.27645008	0.000	-4.72E+08	122.7059002
53.86970642	0.000	-4.75E+08	159.7439028
54.23697376	0.000	-4.11E+08	138.3899942
56.00136004	0.000	1.33E+09	117.3217351
58.21544525	0.000	9.52E+08	29.25829973
58.44300607	0.000	2.51E+08	11.58426026
56.13695376	0.000	-4.48E+08	59.48696792
54.17969337	0.000	-6.67E+07	149.499636
54.03130001	0.000	5.64E+09	119.2957044
54.83429257	0.000	5.99E+09	119.9726205
55.29608278	0.000	5.99E+09	62.17817119
53.80815984	0.000	5.99E+09	119.5265304
53.64230499	0.000	5.99E+09	165.5954776
53.43287416	0.000	5.99E+09	123.9594373
53.69141979	0.000	5.99E+09	73.59941271
54.47175481	0.000	5.99E+09	46.51455318
54.77168558	0.000	5.99E+09	129.7031609
53.45532681	0.000	5.99E+09	205.8533506
54.56281081	0.000	5.98E+09	109.1758485

54.8932703	0.000	5.99E+09	68.39503682
54.04191194	0.000	5.99E+09	104.7673758
53.04343348	0.000	5.99E+09	173.4395362
51.16552357	0.000	5.99E+09	148.0866048
52.50971747	0.000	6.00E+09	201.5387099
55.1288443	0.000	5.99E+09	189.2338566
51.99703266	0.000	5.98E+09	202.9457419
52.75532501	0.000	5.98E+09	180.1742419
51.35896045	0.000	5.98E+09	190.4423807
49.64014585	0.000	5.98E+09	118.5246213
50.1802091	0.000	5.98E+09	112.928373
50.45491872	0.000	5.98E+09	77.41530102
50.32305678	0.000	5.98E+09	94.67701212
52.49477986	0.000	5.98E+09	81.85831645
51.21805973	0.000	5.98E+09	124.6797977
51.09520435	0.000	5.98E+09	93.58105557
51.32257808	0.000	5.98E+09	91.00530757
52.46010642	0.000	5.98E+09	54.03081041
51.77119253	0.000	5.98E+09	61.31391504
53.67386649	0.000	5.98E+09	84.80961321
53.59954666	0.000	5.97E+09	79.08119974
54.07428232	0.000	5.97E+09	110.4708729
51.50218198	0.000	5.97E+09	86.15392171
52.13810641	0.000	5.97E+09	65.97654468
53.93625397	0.000	5.97E+09	23.68713395
56.6385722	0.000	5.97E+09	11.04596587
54.75372203	0.000	5.96E+09	134.11141
54.70121272	0.000	5.96E+09	87.90049762
54.28611046	0.000	5.96E+09	103.5677757
52.84126864	0.000	5.96E+09	66.4429343
52.08418716	0.000	5.96E+09	110.8042139
52.35606081	0.000	5.96E+09	108.1372609
51.02664665	0.000	5.97E+09	59.24343993
51.898117	0.000	5.96E+09	80.72955988
52.95911407	0.000	6.01E+09	54.64441756
52.80932975	0.000	5.95E+09	36.58521024
54.96678565	0.000	5.95E+09	26.5304693
56.48329081	0.000	5.95E+09	1.031679389
53.70106791	0.000	5.69E+09	43.33977579
52.87179897	0.000	6.00E+09	41.32065941
52.1055949	0.000	6.00E+09	83.28990502
51.03315955	0.000	6.00E+09	56.43519735
51.61103849	0.000	5.95E+09	50.47785537
51.5324651	0.000	5.95E+09	156.3505374
54.62809888	0.000	5.95E+09	101.8395521
57.01697522	0.000	5.95E+09	60.48806602
54.56801178	0.000	5.99E+09	94.27627096
51.577683	0.000	6.00E+09	119.2043887
50.56356096	0.000	5.99E+09	114.7940743
50.56356096	0.000	5.94E+09	111.6485509
51.09443593	0.000	5.94E+09	66.3407476
50.56074164	0.000	5.94E+09	104.8344289

49.52205242	0.000	5.94E+09	88.20210655
49.62772352	0.000	5.95E+09	117.1427972
47.9808415	0.000	5.98E+09	105.6618044
49.65764225	0.000	5.98E+09	124.6395976
52.82118164	0.000	5.97E+09	96.02421668
50.11620262	0.000	5.94E+09	79.80253118
49.62327641	0.000	5.94E+09	96.48263956
48.14888038	0.000	5.95E+09	188.8899363
49.46201647	0.000	5.98E+09	116.5137767
49.92857942	0.000	5.97E+09	68.42701461
51.74691326	0.000	5.96E+09	81.28829927
48.97336402	0.000	5.96E+09	140.7929939
50.27663117	0.000	5.95E+09	86.830051
52.63957866	0.000	5.95E+09	38.62691802
50.97519747	0.000	5.95E+09	57.99458808
50.97519747	0.000	5.96E+09	56.67925273
52.19224486	0.000	5.96E+09	39.98118505
51.95242765	0.000	5.95E+09	34.50151774
53.15422267	0.000	5.95E+09	27.35692159
55.72094307	0.000	5.96E+09	33.78480934
52.23524335	0.000	5.95E+09	68.85473145
50.99358728	0.000	5.96E+09	64.56982239
51.05933429	0.000	5.96E+09	47.1153852
51.15656199	0.000	5.96E+09	86.76673
51.84875871	0.000	5.95E+09	68.58347023
51.7310625	0.000	5.96E+09	47.32435884
52.53615465	0.000	5.98E+09	76.00151537
53.40668748	0.000	5.99E+09	124.0684272
52.63390557	0.000	5.96E+09	116.655448
52.34771407	0.000	5.96E+09	33.00744763
51.82742841	0.000	5.96E+09	51.71946399
52.0174752	0.000	5.96E+09	103.5886113
49.23309222	0.000	5.95E+09	85.07319521
50.37754724	0.000	5.96E+09	45.19497862
52.03969182	0.000	5.96E+09	32.41350821
53.45983068	0.000	5.96E+09	25.81319463
53.09197633	0.000	5.96E+09	21.37300678
53.31987484	0.000	5.95E+09	12.25353905
55.40816088	0.000	5.95E+09	41.07475253
53.43199765	0.000	5.96E+09	60.98944211
52.4331214	0.000	5.96E+09	91.84187547
50.26772578	0.000	5.96E+09	86.19672351
50.35133241	0.000	5.96E+09	81.99923348
51.10106624	0.000	5.96E+09	47.33325756
52.49603936	0.000	5.96E+09	31.71797247
54.20485448	0.000	5.96E+09	19.62070864
52.04885914	0.000	5.96E+09	102.241231
52.53998056	0.000	5.97E+09	55.19751878
55.97964459	0.000	5.96E+09	6.192348977
55.09830064	0.000	5.97E+09	13.39057447
51.35874251	0.000	5.96E+09	83.38181698
53.34145434	0.000	5.97E+09	59.4595349

56.70108414	0.000	5.97E+09	54.01249263
52.306965	0.000	5.98E+09	89.30132672
51.92502107	0.000	5.99E+09	59.77418886
55.40764078	0.000	5.99E+09	40.11235879
57.09237234	0.000	5.98E+09	11.30225465
53.2669153	0.000	5.98E+09	124.7975289
52.92118242	0.000	5.98E+09	48.61829629
54.95185277	0.000	6.00E+09	19.95841526
56.27680917	0.000	6.01E+09	5.934518284
56.27680917	0.000	6.04E+09	7.499353838
53.97817991	0.000	6.06E+09	89.02202767
53.82533231	0.000	6.08E+09	55.26638386
53.82533231	0.000	6.11E+09	58.00555464
56.66702057	0.000	6.14E+09	18.60042691
56.08809494	0.000	6.17E+09	41.41925707
56.2814916	0.000	6.19E+09	52.67624285
56.83736482	0.000	6.20E+09	73.27696721
57.1304481	0.000	6.39E+09	74.00234809
55.1929216	0.000	6.41E+09	72.57335848
56.56117532	0.000	6.42E+09	45.88728917
58.14374878	0.000	6.44E+09	10.86277647
52.68360646	0.000	6.47E+09	189.6808583
53.08648082	0.000	6.49E+09	243.2950027
55.3520802	0.000	6.54E+09	156.132344
59.51396224	0.000	6.65E+09	76.75095021
60.02149533	0.000	6.67E+09	48.80744262
58.31532052	0.000	6.72E+09	41.33682039
56.94084869	0.000	6.75E+09	50.27070532
55.57654311	0.000	6.92E+09	138.7658175
52.81052377	0.000	6.86E+09	165.3830144
52.61972565	0.000	6.88E+09	143.9138132
52.65065025	0.000	6.90E+09	155.5184906
53.35959762	0.000	6.41E+09	181.7294749

From EvapLoss_segment_2003 file

3 Units Rated Evap, ac-ft	Historical 2 Units Evap, ac-ft
207.9554315	79.58911607
310.6592749	131.0063748
253.157962	114.5225722
207.265044	85.72164665
189.4280215	64.42077236
275.6472825	133.6201899
331.4090966	197.1136958
341.7916586	206.8579163
275.5219429	166.3817718
225.5989804	123.799765
190.2340309	96.17812864
180.0636604	75.23267697
195.109718	69.81157412
220.8910235	92.48349069
313.9798746	189.2260514
264.9118059	153.9353604
307.8914272	175.1563687
214.5249509	118.7419248
213.3439615	111.2250849
223.7201985	117.7407165
181.578079	95.11351597
161.73915	70.78457349
166.9300053	65.23815895
299.9406684	174.6121647
252.989918	142.0411657
193.7025335	63.31012892
198.1294944	98.68999468
167.8209437	88.5508294
201.4083682	105.6444807
245.3576845	133.4834474
163.3277249	81.03192658
169.7283048	88.98778263
139.1737983	69.64382973

193.3932608	101.8731973
189.9650914	80.7683155
153.3275133	70.86371647
138.6160116	62.42584219
159.2578934	59.20203447
190.0343368	86.27116685
126.1414023	58.7703508
117.872665	46.19370895
111.4703272	38.13581577
135.8249419	55.29353725
136.7372558	51.75278415
128.8080493	49.42592844
88.99212157	17.83058481
183.9599345	77.42947617
126.2579782	41.78184275
132.0192485	28.26100564
192.9697238	102.4689492
180.1950654	95.4331416
159.2043416	75.63666616
186.8397489	89.06378812
168.529318	75.68141203
203.525844	96.20766011
245.3395082	144.5747018
186.6009984	107.4217977
185.1643129	98.09040444
150.3590048	66.46409487
172.6645609	90.82109465
113.4520548	50.31784684
157.632206	83.61144069
127.7984558	62.75486649
125.6987324	53.17771531
40.78196832	0.293320611
108.8527578	38.02924011
131.330045	57.79760224
111.4661593	43.22431912
37.83413641	0.151717557
135.4103708	20.83471226
259.1113075	158.1040058
167.2236277	98.61120414
133.2672491	73.16749349
211.9030361	115.847684
245.5902107	140.5793175
223.6692006	126.3109519
150.0847454	75.57235103
264.5249343	145.4593075
221.7655615	125.7145416
128.2341757	67.72122111
132.6017709	55.11520086
156.8590536	55.03614986
138.1839884	73.1938125
105.0667157	50.85339005
114.6029533	42.79887684

189.4115145	90.7002721
144.0198016	70.35421889
187.9796946	106.1582336
173.0239469	98.32535885
137.1013232	75.73553055
85.54207868	41.6167016
55.87060868	13.12719179
18.80060214	0
61.51714457	0
241.2399733	131.1031521
169.0875363	83.74302852
120.2462756	52.29660635
101.8974765	29.3306176
61.00564786	0
117.5068706	18.59975491
155.1369818	66.47015433
112.0198407	43.8159816
177.0652368	72.64841114
159.1639628	58.80388519
119.0588304	29.74415424
139.5249361	29.03707801
136.3791499	55.83659117
125.6625346	56.12629096
96.48233635	27.12734115
168.7666267	73.29451323
142.2878807	69.6624291
75.91181619	27.23361072
60.30630831	0.55952762
123.9468641	41.39333578
85.64613957	27.7388509
43.75143599	0
192.4828629	84.88928793
144.2288255	59.07123029
82.66536037	25.00638734
129.7941101	38.08470324
164.3732426	52.63591334
141.8398987	54.49359841
101.4555956	34.00553638
216.9245115	99.98243576
163.3873301	74.35093253
90.6148357	33.79556142
106.3981816	31.49958543
153.4407104	78.21654041
111.8842108	53.94065476
120.1994476	47.40168843
100.0749958	43.20030201
176.9828245	95.53130771
146.4008986	77.88696923
124.0690778	65.19072758
119.212135	50.56681274
158.4488295	77.30961813
104.3788591	48.52508286

93.04904147	32.19625984
124.6867207	46.46110585
191.6258389	99.66757201
168.3331275	88.28864234
143.2208766	52.86334569
76.1856236	31.90783172
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90.39601986	9.186627834
29.00722158	6.064686416
99.81421881	28.56895832
195.7761664	114.6449209
167.4585194	92.3617298
176.3544257	90.05468807
101.3631447	41.2045624
177.7682782	83.40255975
220.0950051	129.4928462
175.0724061	95.40628769
99.98453744	57.32862982
81.72960684	28.85838663
183.8554569	95.13216387
265.242198	165.9375679
166.822733	83.71165706

99.90193343	49.6739696
157.7187623	80.30946534
234.1985623	141.2679138
184.9022384	121.6360995
261.6134967	160.3251703
259.1635181	144.3119776
255.9093291	161.5650003
231.9794841	144.8682258
244.3656118	161.1774401
154.873268	98.30442595
155.5037041	89.50435512
100.4586234	57.01036326
139.5103696	78.26667318
120.653461	61.00583832
159.50054	100.4971425
136.1170132	82.39597154
146.2708996	69.92273656
78.61496142	35.94843605
88.74029415	43.19507705
142.2655831	55.79906433
124.5420992	56.11451574
159.617929	80.08087901
135.5324369	70.58688665
89.43336669	51.80460218
53.84188942	11.92515361
28.54628225	9.268868604
196.9746766	98.13626122
150.1450092	57.92255943
147.4765485	73.96610859
105.0219135	48.35269008
163.0486466	77.96376881
157.566881	83.63656315
84.5358281	46.85554992
115.2558411	61.28393605
83.03943731	37.69405086
77.48546102	21.17952151
78.49588872	9.196336373
11.96169767	0.161832061
83.56860917	18.8035558
82.86712105	19.88877319
115.7468509	53.39472218
84.8118991	35.41854289
84.88168204	33.86580394
225.5406757	114.1091119
160.3870613	61.48077322
104.7330487	34.80457133
143.2122509	58.83565189
158.5794859	87.52247096
149.6248642	88.02139727
157.511461	86.22282493
90.80615269	45.88385174
152.8067352	77.59381435

122.6003878	65.18206603
155.5387971	84.15408147
138.3538686	81.20886554
168.7298298	94.24232951
139.7172336	62.34012759
112.7150788	57.15424921
134.3376239	72.79448835
253.0734628	147.8500308
158.3739601	88.37019169
86.29413019	46.62158088
115.6676436	54.33319978
195.9556465	108.0909606
129.3697316	60.24449228
72.1933807	21.07098591
83.21957366	32.49789959
81.68717546	30.73036394
75.57549048	21.03071159
70.70604223	20.42237096
67.10973035	9.254037209
84.58452528	12.90698055
101.2175134	46.81398794
89.21832966	44.87060231
77.86203825	28.94886419
131.2824324	67.01783622
91.51115242	54.04907197
83.57795773	30.91099899
134.6155645	56.3817958
189.8081888	96.44283121
160.6159704	94.40068733
70.65360622	25.92008375
84.31437371	34.84941027
146.2140483	84.15955699
132.8214998	69.81497944
72.13981178	32.96051158
69.90258359	26.14449913
65.40460191	13.38095177
57.40858705	10.29012847
69.26075654	10.19844968
106.4041044	21.31957361
105.0797823	43.7605185
142.1209131	70.53845489
139.3120443	72.85563814
125.8041932	62.74921487
85.03792457	36.01134921
74.22411091	19.39327089
68.22578565	11.27485094
147.4362103	84.97378958
81.09777089	40.2142568
21.41639949	6.81278611
70.81842634	9.612012831
134.3553031	64.61737014
91.14855292	35.32561887

99.42112098	36.09369888
151.116306	71.34736021
90.53607086	45.48130236
90.01571508	26.13785111
30.67315796	9.762759888
175.827073	92.86663497
83.11449294	34.08185537
59.92401035	11.13592587
19.5707136	4.3520469
20.98288666	4.708155579
166.8653258	54.26501718
110.8363153	29.22115321
108.9937155	31.60205231
66.28722998	14.38127744
91.12139665	26.30137448
98.28829279	34.27292514
128.4491062	46.20826629
136.7707159	39.54860823
109.1429094	47.27729302
100.424459	18.07849989
31.94814306	2.498282443
277.0483198	136.5202053
327.5229514	191.9257315
219.7458159	100.8864051
115.0181081	41.65389208
102.4340333	29.73608835
94.25619566	24.43169416
105.4791345	27.35306252
192.5308655	103.985594
224.1951628	123.1102275
200.0645529	104.351021
224.4549739	113.3711775
266.2040166	120.4460257

Revised Stage Volume Relationship per NAPS 11715/12050.5.6.21, Stage-Volume of Lake N. Anna (12/7/2005

Stage (ft msl)	Main Lake Volume (ac-ft)	WHTF Volume (ac-ft)	Total Volume (ac-ft)
240	~~161550~~	~~32950~~	195,200
250	~~244550~~	~~60450~~	305,100
260	~~353550~~	~~104950~~	458,050

Use Quadratic Equation derived by John W. per email of Dec 7, 05:
Storage Volume = 215.25(h^2) + 8837.5(h) + 195,200 where h = lake level - 240

a	**b**	**c**
215.25	8837.5	195200

	given lake level	calc storage	
Starting WL in Oct:	249.14	293956.65	
Max Storage Allowed:	250.1	306416.40	
Storage at 248 ft EL	248	279676.00	
check	249.68	300916.44	
Normal Release:	40	79.3388	555.3719
	20	39.6694	277.6860
	cfs	*ac-ft/day*	*ac-ft/7-day*

Check Inverse Stage Storage Curve

calc lake level	given storage
240	195,200
250	305,100
260	458,050
249.14	293956.65
250.1	306416.40

)

New Unit 3: Yes=1; No=0	0	
1/3 Dry 2/3 Wet Tower Switch Over Temp (F)	67	Tac
Full Wet CT and Dry Wet CT Switch Over Lake Level, ft msl	250	
New OT Unit: On=1 / Off=0	0	

		7	
Date 1978-2003	**Adjusted Daily Full 3/3 Wet Tower (29F) Evaporation w/load factor 0.96 (Ac-ft)**	**Cumulative Weekly Adjusted Full 3/3 Wet Tower Evap w/load factor 0.96 (Ac-ft)**	**Adjusted Daily 1/3 Dry 2/3 Wet Tower Evaporation w/load factor 0.96 and Wet Tower on only when Air Temp >Tac (Ac-ft)**
10/1/1978	0.000	0.000	0.000
10/2/1978	0.000	0.000	0.000
10/3/1978	0.000	0.000	0.000
10/4/1978	0.000	0.000	0.000
10/5/1978	0.000	0.000	0.000
10/6/1978	0.000	0.000	0.000
10/7/1978	0.000	0.000	0.000
10/8/1978	0.000	0.000	0.000
10/9/1978	0.000	0.000	0.000
10/10/1978	0.000	0.000	0.000
10/11/1978	0.000	0.000	0.000
10/12/1978	0.000	0.000	0.000
10/13/1978	0.000	0.000	0.000
10/14/1978	0.000	0.000	0.000
10/15/1978	0.000	0.000	0.000
10/16/1978	0.000	0.000	0.000
10/17/1978	0.000	0.000	0.000
10/18/1978	0.000	0.000	0.000
10/19/1978	0.000	0.000	0.000
10/20/1978	0.000	0.000	0.000
10/21/1978	0.000	0.000	0.000
10/22/1978	0.000	0.000	0.000
10/23/1978	0.000	0.000	0.000
10/24/1978	0.000	0.000	0.000
10/25/1978	0.000	0.000	0.000
10/26/1978	0.000	0.000	0.000
10/27/1978	0.000	0.000	0.000
10/28/1978	0.000	0.000	0.000
10/29/1978	0.000	0.000	0.000

10/30/1978	0.000	0.000	0.000
10/31/1978	0.000	0.000	0.000
11/1/1978	0.000	0.000	0.000
11/2/1978	0.000	0.000	0.000
11/3/1978	0.000	0.000	0.000
11/4/1978	0.000	0.000	0.000
11/5/1978	0.000	0.000	0.000
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11/7/1978	0.000	0.000	0.000
11/8/1978	0.000	0.000	0.000
11/9/1978	0.000	0.000	0.000
11/10/1978	0.000	0.000	0.000
11/11/1978	0.000	0.000	0.000
11/12/1978	0.000	0.000	0.000
11/13/1978	0.000	0.000	0.000
11/14/1978	0.000	0.000	0.000
11/15/1978	0.000	0.000	0.000
11/16/1978	0.000	0.000	0.000
11/17/1978	0.000	0.000	0.000
11/18/1978	0.000	0.000	0.000
11/19/1978	0.000	0.000	0.000
11/20/1978	0.000	0.000	0.000
11/21/1978	0.000	0.000	0.000
11/22/1978	0.000	0.000	0.000
11/23/1978	0.000	0.000	0.000
11/24/1978	0.000	0.000	0.000
11/25/1978	0.000	0.000	0.000
11/26/1978	0.000	0.000	0.000
11/27/1978	0.000	0.000	0.000
11/28/1978	0.000	0.000	0.000
11/29/1978	0.000	0.000	0.000
11/30/1978	0.000	0.000	0.000
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12/25/1978	0.000	0.000	0.000
12/26/1978	0.000	0.000	0.000
12/27/1978	0.000	0.000	0.000
12/28/1978	0.000	0.000	0.000
12/29/1978	0.000	0.000	0.000
12/30/1978	0.000	0.000	0.000
12/31/1978	0.000	0.000	0.000
1/1/1979	0.000	0.000	0.000
1/2/1979	0.000	0.000	0.000
1/3/1979	0.000	0.000	0.000
1/4/1979	0.000	0.000	0.000
1/5/1979	0.000	0.000	0.000
1/6/1979	0.000	0.000	0.000
1/7/1979	0.000	0.000	0.000
1/8/1979	0.000	0.000	0.000
1/9/1979	0.000	0.000	0.000
1/10/1979	0.000	0.000	0.000
1/11/1979	0.000	0.000	0.000
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2/1/1979	0.000	0.000	0.000
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6/9/1979	0.000	0.000	0.000
6/10/1979	0.000	0.000	0.000
6/11/1979	0.000	0.000	0.000
6/12/1979	0.000	0.000	0.000
6/13/1979	0.000	0.000	0.000
6/14/1979	0.000	0.000	0.000
6/15/1979	0.000	0.000	0.000
6/16/1979	0.000	0.000	0.000
6/17/1979	0.000	0.000	0.000
6/18/1979	0.000	0.000	0.000
6/19/1979	0.000	0.000	0.000
6/20/1979	0.000	0.000	0.000
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7/2/1979	0.000	0.000	0.000
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7/8/1979	0.000	0.000	0.000
7/9/1979	0.000	0.000	0.000
7/10/1979	0.000	0.000	0.000
7/11/1979	0.000	0.000	0.000
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7/14/1979	0.000	0.000	0.000
7/15/1979	0.000	0.000	0.000
7/16/1979	0.000	0.000	0.000

7/17/1979	0.000	0.000	0.000
7/18/1979	0.000	0.000	0.000
7/19/1979	0.000	0.000	0.000
7/20/1979	0.000	0.000	0.000
7/21/1979	0.000	0.000	0.000
7/22/1979	0.000	0.000	0.000
7/23/1979	0.000	0.000	0.000
7/24/1979	0.000	0.000	0.000
7/25/1979	0.000	0.000	0.000
7/26/1979	0.000	0.000	0.000
7/27/1979	0.000	0.000	0.000
7/28/1979	0.000	0.000	0.000
7/29/1979	0.000	0.000	0.000
7/30/1979	0.000	0.000	0.000
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8/4/1979	0.000	0.000	0.000
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8/6/1979	0.000	0.000	0.000
8/7/1979	0.000	0.000	0.000
8/8/1979	0.000	0.000	0.000
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8/15/1979	0.000	0.000	0.000
8/16/1979	0.000	0.000	0.000
8/17/1979	0.000	0.000	0.000
8/18/1979	0.000	0.000	0.000
8/19/1979	0.000	0.000	0.000
8/20/1979	0.000	0.000	0.000
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8/22/1979	0.000	0.000	0.000
8/23/1979	0.000	0.000	0.000
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8/26/1979	0.000	0.000	0.000
8/27/1979	0.000	0.000	0.000
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9/3/1979	0.000	0.000	0.000
9/4/1979	0.000	0.000	0.000
9/5/1979	0.000	0.000	0.000
9/6/1979	0.000	0.000	0.000

9/7/1979	0.000	0.000	0.000
9/8/1979	0.000	0.000	0.000
9/9/1979	0.000	0.000	0.000
9/10/1979	0.000	0.000	0.000
9/11/1979	0.000	0.000	0.000
9/12/1979	0.000	0.000	0.000
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9/14/1979	0.000	0.000	0.000
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9/16/1979	0.000	0.000	0.000
9/17/1979	0.000	0.000	0.000
9/18/1979	0.000	0.000	0.000
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10/7/1979	0.000	0.000	0.000
10/8/1979	0.000	0.000	0.000
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10/16/1979	0.000	0.000	0.000
10/17/1979	0.000	0.000	0.000
10/18/1979	0.000	0.000	0.000
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11/14/1979	0.000	0.000	0.000
11/15/1979	0.000	0.000	0.000
11/16/1979	0.000	0.000	0.000
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11/18/1979	0.000	0.000	0.000
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1/5/1980	0.000	0.000	0.000
1/6/1980	0.000	0.000	0.000
1/7/1980	0.000	0.000	0.000
1/8/1980	0.000	0.000	0.000
1/9/1980	0.000	0.000	0.000
1/10/1980	0.000	0.000	0.000
1/11/1980	0.000	0.000	0.000
1/12/1980	0.000	0.000	0.000
1/13/1980	0.000	0.000	0.000
1/14/1980	0.000	0.000	0.000
1/15/1980	0.000	0.000	0.000
1/16/1980	0.000	0.000	0.000
1/17/1980	0.000	0.000	0.000
1/18/1980	0.000	0.000	0.000
1/19/1980	0.000	0.000	0.000
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2/6/1980	0.000	0.000	0.000
2/7/1980	0.000	0.000	0.000
2/8/1980	0.000	0.000	0.000
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2/10/1980	0.000	0.000	0.000
2/11/1980	0.000	0.000	0.000
2/12/1980	0.000	0.000	0.000
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2/17/1980	0.000	0.000	0.000
2/18/1980	0.000	0.000	0.000
2/19/1980	0.000	0.000	0.000
2/20/1980	0.000	0.000	0.000
2/21/1980	0.000	0.000	0.000
2/22/1980	0.000	0.000	0.000
2/23/1980	0.000	0.000	0.000
2/24/1980	0.000	0.000	0.000
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2/26/1980	0.000	0.000	0.000
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3/8/1980	0.000	0.000	0.000
3/9/1980	0.000	0.000	0.000
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3/11/1980	0.000	0.000	0.000
3/12/1980	0.000	0.000	0.000
3/13/1980	0.000	0.000	0.000
3/14/1980	0.000	0.000	0.000
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3/16/1980	0.000	0.000	0.000
3/17/1980	0.000	0.000	0.000
3/18/1980	0.000	0.000	0.000
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4/2/1980	0.000	0.000	0.000
4/3/1980	0.000	0.000	0.000
4/4/1980	0.000	0.000	0.000
4/5/1980	0.000	0.000	0.000
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4/14/1980	0.000	0.000	0.000
4/15/1980	0.000	0.000	0.000
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4/17/1980	0.000	0.000	0.000
4/18/1980	0.000	0.000	0.000
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5/18/1980	0.000	0.000	0.000
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5/23/1980	0.000	0.000	0.000

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6/12/1980	0.000	0.000	0.000
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7/11/1980	0.000	0.000	0.000
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9/14/1980	0.000	0.000	0.000
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9/18/1980	0.000	0.000	0.000
9/19/1980	0.000	0.000	0.000
9/20/1980	0.000	0.000	0.000
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9/22/1980	0.000	0.000	0.000
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9/25/1980	0.000	0.000	0.000
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9/27/1980	0.000	0.000	0.000
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10/2/1980	0.000	0.000	0.000
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11/27/1981	0.000	0.000	0.000
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12/6/1981	0.000	0.000	0.000
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12/14/1981	0.000	0.000	0.000
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12/16/1981	0.000	0.000	0.000

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12/18/1981	0.000	0.000	0.000
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1/27/1983	0.000	0.000	0.000
1/28/1983	0.000	0.000	0.000
1/29/1983	0.000	0.000	0.000
1/30/1983	0.000	0.000	0.000
1/31/1983	0.000	0.000	0.000
2/1/1983	0.000	0.000	0.000
2/2/1983	0.000	0.000	0.000
2/3/1983	0.000	0.000	0.000
2/4/1983	0.000	0.000	0.000
2/5/1983	0.000	0.000	0.000

2/6/1983	0.000	0.000	0.000
2/7/1983	0.000	0.000	0.000
2/8/1983	0.000	0.000	0.000
2/9/1983	0.000	0.000	0.000
2/10/1983	0.000	0.000	0.000
2/11/1983	0.000	0.000	0.000
2/12/1983	0.000	0.000	0.000
2/13/1983	0.000	0.000	0.000
2/14/1983	0.000	0.000	0.000
2/15/1983	0.000	0.000	0.000
2/16/1983	0.000	0.000	0.000
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2/19/1983	0.000	0.000	0.000
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2/25/1983	0.000	0.000	0.000
2/26/1983	0.000	0.000	0.000
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3/4/1983	0.000	0.000	0.000
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3/6/1983	0.000	0.000	0.000
3/7/1983	0.000	0.000	0.000
3/8/1983	0.000	0.000	0.000
3/9/1983	0.000	0.000	0.000
3/10/1983	0.000	0.000	0.000
3/11/1983	0.000	0.000	0.000
3/12/1983	0.000	0.000	0.000
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3/17/1983	0.000	0.000	0.000
3/18/1983	0.000	0.000	0.000
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6/7/1983	0.000	0.000	0.000
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7/19/1983	0.000	0.000	0.000
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9/15/1983	0.000	0.000	0.000
9/16/1983	0.000	0.000	0.000
9/17/1983	0.000	0.000	0.000
9/18/1983	0.000	0.000	0.000
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9/30/1983	0.000	0.000	0.000
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3/29/1984	0.000	0.000	0.000
3/30/1984	0.000	0.000	0.000
3/31/1984	0.000	0.000	0.000
4/1/1984	0.000	0.000	0.000
4/2/1984	0.000	0.000	0.000
4/3/1984	0.000	0.000	0.000
4/4/1984	0.000	0.000	0.000
4/5/1984	0.000	0.000	0.000
4/6/1984	0.000	0.000	0.000
4/7/1984	0.000	0.000	0.000
4/8/1984	0.000	0.000	0.000
4/9/1984	0.000	0.000	0.000
4/10/1984	0.000	0.000	0.000
4/11/1984	0.000	0.000	0.000
4/12/1984	0.000	0.000	0.000
4/13/1984	0.000	0.000	0.000
4/14/1984	0.000	0.000	0.000
4/15/1984	0.000	0.000	0.000
4/16/1984	0.000	0.000	0.000
4/17/1984	0.000	0.000	0.000
4/18/1984	0.000	0.000	0.000
4/19/1984	0.000	0.000	0.000
4/20/1984	0.000	0.000	0.000
4/21/1984	0.000	0.000	0.000
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5/6/1984	0.000	0.000	0.000
5/7/1984	0.000	0.000	0.000
5/8/1984	0.000	0.000	0.000
5/9/1984	0.000	0.000	0.000
5/10/1984	0.000	0.000	0.000
5/11/1984	0.000	0.000	0.000
5/12/1984	0.000	0.000	0.000
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5/15/1984	0.000	0.000	0.000
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5/17/1984	0.000	0.000	0.000
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5/19/1984	0.000	0.000	0.000
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7/6/1984	0.000	0.000	0.000
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8/6/1984	0.000	0.000	0.000
8/7/1984	0.000	0.000	0.000
8/8/1984	0.000	0.000	0.000
8/9/1984	0.000	0.000	0.000
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8/30/1984	0.000	0.000	0.000

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9/9/1984	0.000	0.000	0.000
9/10/1984	0.000	0.000	0.000
9/11/1984	0.000	0.000	0.000
9/12/1984	0.000	0.000	0.000
9/13/1984	0.000	0.000	0.000
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9/15/1984	0.000	0.000	0.000
9/16/1984	0.000	0.000	0.000
9/17/1984	0.000	0.000	0.000
9/18/1984	0.000	0.000	0.000
9/19/1984	0.000	0.000	0.000
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9/23/1984	0.000	0.000	0.000
9/24/1984	0.000	0.000	0.000
9/25/1984	0.000	0.000	0.000
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9/29/1984	0.000	0.000	0.000
9/30/1984	0.000	0.000	0.000
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10/3/1984	0.000	0.000	0.000
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11/6/1984	0.000	0.000	0.000
11/7/1984	0.000	0.000	0.000
11/8/1984	0.000	0.000	0.000
11/9/1984	0.000	0.000	0.000
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11/15/1984	0.000	0.000	0.000
11/16/1984	0.000	0.000	0.000
11/17/1984	0.000	0.000	0.000
11/18/1984	0.000	0.000	0.000
11/19/1984	0.000	0.000	0.000
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11/28/1984	0.000	0.000	0.000
11/29/1984	0.000	0.000	0.000
11/30/1984	0.000	0.000	0.000
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12/12/1984	0.000	0.000	0.000

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12/17/1984	0.000	0.000	0.000
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12/26/1984	0.000	0.000	0.000
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1/2/1985	0.000	0.000	0.000
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1/7/1985	0.000	0.000	0.000
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1/10/1985	0.000	0.000	0.000
1/11/1985	0.000	0.000	0.000
1/12/1985	0.000	0.000	0.000
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1/14/1985	0.000	0.000	0.000
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1/16/1985	0.000	0.000	0.000
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1/30/1985	0.000	0.000	0.000
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2/4/1985	0.000	0.000	0.000
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3/10/1985	0.000	0.000	0.000
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4/6/1985	0.000	0.000	0.000
4/7/1985	0.000	0.000	0.000
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4/13/1985	0.000	0.000	0.000
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5/14/1985	0.000	0.000	0.000
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5/29/1985	0.000	0.000	0.000
5/30/1985	0.000	0.000	0.000
5/31/1985	0.000	0.000	0.000
6/1/1985	0.000	0.000	0.000
6/2/1985	0.000	0.000	0.000
6/3/1985	0.000	0.000	0.000
6/4/1985	0.000	0.000	0.000
6/5/1985	0.000	0.000	0.000
6/6/1985	0.000	0.000	0.000
6/7/1985	0.000	0.000	0.000
6/8/1985	0.000	0.000	0.000
6/9/1985	0.000	0.000	0.000
6/10/1985	0.000	0.000	0.000
6/11/1985	0.000	0.000	0.000
6/12/1985	0.000	0.000	0.000
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6/15/1985	0.000	0.000	0.000
6/16/1985	0.000	0.000	0.000
6/17/1985	0.000	0.000	0.000
6/18/1985	0.000	0.000	0.000
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6/27/1985	0.000	0.000	0.000
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7/3/1985	0.000	0.000	0.000
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7/5/1985	0.000	0.000	0.000
7/6/1985	0.000	0.000	0.000
7/7/1985	0.000	0.000	0.000
7/8/1985	0.000	0.000	0.000

7/9/1985	0.000	0.000	0.000
7/10/1985	0.000	0.000	0.000
7/11/1985	0.000	0.000	0.000
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10/7/1985	0.000	0.000	0.000
10/8/1985	0.000	0.000	0.000
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11/13/1985	0.000	0.000	0.000
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12/14/1985	0.000	0.000	0.000
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1/29/1986	0.000	0.000	0.000
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6/4/1986	0.000	0.000	0.000
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7/4/1986	0.000	0.000	0.000
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7/25/1986	0.000	0.000	0.000
7/26/1986	0.000	0.000	0.000
7/27/1986	0.000	0.000	0.000
7/28/1986	0.000	0.000	0.000
7/29/1986	0.000	0.000	0.000
7/30/1986	0.000	0.000	0.000
7/31/1986	0.000	0.000	0.000
8/1/1986	0.000	0.000	0.000
8/2/1986	0.000	0.000	0.000
8/3/1986	0.000	0.000	0.000
8/4/1986	0.000	0.000	0.000
8/5/1986	0.000	0.000	0.000
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8/9/1986	0.000	0.000	0.000
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8/11/1986	0.000	0.000	0.000
8/12/1986	0.000	0.000	0.000
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8/15/1986	0.000	0.000	0.000
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9/18/1987	0.000	0.000	0.000
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10/12/1987	0.000	0.000	0.000
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10/15/1987	0.000	0.000	0.000
10/16/1987	0.000	0.000	0.000
10/17/1987	0.000	0.000	0.000
10/18/1987	0.000	0.000	0.000

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5/13/1988	0.000	0.000	0.000

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7/4/1988	0.000	0.000	0.000

7/5/1988	0.000	0.000	0.000
7/6/1988	0.000	0.000	0.000
7/7/1988	0.000	0.000	0.000
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2/13/1990	0.000	0.000	0.000
2/14/1990	0.000	0.000	0.000
2/15/1990	0.000	0.000	0.000
2/16/1990	0.000	0.000	0.000
2/17/1990	0.000	0.000	0.000
2/18/1990	0.000	0.000	0.000
2/19/1990	0.000	0.000	0.000
2/20/1990	0.000	0.000	0.000
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3/17/1990	0.000	0.000	0.000
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9/7/1990	0.000	0.000	0.000
9/8/1990	0.000	0.000	0.000
9/9/1990	0.000	0.000	0.000
9/10/1990	0.000	0.000	0.000
9/11/1990	0.000	0.000	0.000
9/12/1990	0.000	0.000	0.000
9/13/1990	0.000	0.000	0.000
9/14/1990	0.000	0.000	0.000
9/15/1990	0.000	0.000	0.000
9/16/1990	0.000	0.000	0.000
9/17/1990	0.000	0.000	0.000
9/18/1990	0.000	0.000	0.000
9/19/1990	0.000	0.000	0.000
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10/9/1990	0.000	0.000	0.000
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4/16/1991	0.000	0.000	0.000
4/17/1991	0.000	0.000	0.000
4/18/1991	0.000	0.000	0.000
4/19/1991	0.000	0.000	0.000
4/20/1991	0.000	0.000	0.000
4/21/1991	0.000	0.000	0.000
4/22/1991	0.000	0.000	0.000
4/23/1991	0.000	0.000	0.000
4/24/1991	0.000	0.000	0.000
4/25/1991	0.000	0.000	0.000
4/26/1991	0.000	0.000	0.000
4/27/1991	0.000	0.000	0.000
4/28/1991	0.000	0.000	0.000
4/29/1991	0.000	0.000	0.000
4/30/1991	0.000	0.000	0.000
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5/6/1991	0.000	0.000	0.000
5/7/1991	0.000	0.000	0.000
5/8/1991	0.000	0.000	0.000
5/9/1991	0.000	0.000	0.000
5/10/1991	0.000	0.000	0.000

5/11/1991	0.000	0.000	0.000
5/12/1991	0.000	0.000	0.000
5/13/1991	0.000	0.000	0.000
5/14/1991	0.000	0.000	0.000
5/15/1991	0.000	0.000	0.000
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5/17/1991	0.000	0.000	0.000
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6/8/1991	0.000	0.000	0.000
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6/16/1991	0.000	0.000	0.000
6/17/1991	0.000	0.000	0.000
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6/29/1991	0.000	0.000	0.000
6/30/1991	0.000	0.000	0.000
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7/2/1991	0.000	0.000	0.000
7/3/1991	0.000	0.000	0.000
7/4/1991	0.000	0.000	0.000
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7/9/1991	0.000	0.000	0.000
7/10/1991	0.000	0.000	0.000
7/11/1991	0.000	0.000	0.000
7/12/1991	0.000	0.000	0.000
7/13/1991	0.000	0.000	0.000
7/14/1991	0.000	0.000	0.000
7/15/1991	0.000	0.000	0.000
7/16/1991	0.000	0.000	0.000
7/17/1991	0.000	0.000	0.000
7/18/1991	0.000	0.000	0.000
7/19/1991	0.000	0.000	0.000
7/20/1991	0.000	0.000	0.000
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7/28/1991	0.000	0.000	0.000
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7/30/1991	0.000	0.000	0.000
7/31/1991	0.000	0.000	0.000
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8/2/1991	0.000	0.000	0.000
8/3/1991	0.000	0.000	0.000
8/4/1991	0.000	0.000	0.000
8/5/1991	0.000	0.000	0.000
8/6/1991	0.000	0.000	0.000
8/7/1991	0.000	0.000	0.000
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9/2/1991	0.000	0.000	0.000
9/3/1991	0.000	0.000	0.000
9/4/1991	0.000	0.000	0.000
9/5/1991	0.000	0.000	0.000
9/6/1991	0.000	0.000	0.000
9/7/1991	0.000	0.000	0.000
9/8/1991	0.000	0.000	0.000
9/9/1991	0.000	0.000	0.000
9/10/1991	0.000	0.000	0.000
9/11/1991	0.000	0.000	0.000
9/12/1991	0.000	0.000	0.000
9/13/1991	0.000	0.000	0.000
9/14/1991	0.000	0.000	0.000
9/15/1991	0.000	0.000	0.000
9/16/1991	0.000	0.000	0.000
9/17/1991	0.000	0.000	0.000
9/18/1991	0.000	0.000	0.000
9/19/1991	0.000	0.000	0.000
9/20/1991	0.000	0.000	0.000
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10/6/1991	0.000	0.000	0.000
10/7/1991	0.000	0.000	0.000
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10/10/1991	0.000	0.000	0.000
10/11/1991	0.000	0.000	0.000
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11/6/1991	0.000	0.000	0.000
11/7/1991	0.000	0.000	0.000
11/8/1991	0.000	0.000	0.000
11/9/1991	0.000	0.000	0.000
11/10/1991	0.000	0.000	0.000
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11/19/1991	0.000	0.000	0.000
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12/4/1991	0.000	0.000	0.000

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12/7/1991	0.000	0.000	0.000
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12/14/1991	0.000	0.000	0.000
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1/2/1992	0.000	0.000	0.000
1/3/1992	0.000	0.000	0.000
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1/5/1992	0.000	0.000	0.000
1/6/1992	0.000	0.000	0.000
1/7/1992	0.000	0.000	0.000
1/8/1992	0.000	0.000	0.000
1/9/1992	0.000	0.000	0.000
1/10/1992	0.000	0.000	0.000
1/11/1992	0.000	0.000	0.000
1/12/1992	0.000	0.000	0.000
1/13/1992	0.000	0.000	0.000
1/14/1992	0.000	0.000	0.000
1/15/1992	0.000	0.000	0.000
1/16/1992	0.000	0.000	0.000
1/17/1992	0.000	0.000	0.000
1/18/1992	0.000	0.000	0.000
1/19/1992	0.000	0.000	0.000
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1/22/1992	0.000	0.000	0.000
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1/24/1992	0.000	0.000	0.000
1/25/1992	0.000	0.000	0.000

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1/28/1992	0.000	0.000	0.000
1/29/1992	0.000	0.000	0.000
1/30/1992	0.000	0.000	0.000
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2/5/1992	0.000	0.000	0.000
2/6/1992	0.000	0.000	0.000
2/7/1992	0.000	0.000	0.000
2/8/1992	0.000	0.000	0.000
2/9/1992	0.000	0.000	0.000
2/10/1992	0.000	0.000	0.000
2/11/1992	0.000	0.000	0.000
2/12/1992	0.000	0.000	0.000
2/13/1992	0.000	0.000	0.000
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2/15/1992	0.000	0.000	0.000
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2/18/1992	0.000	0.000	0.000
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3/14/1992	0.000	0.000	0.000
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3/17/1992	0.000	0.000	0.000

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6/17/1992	0.000	0.000	0.000
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6/19/1992	0.000	0.000	0.000
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10/29/1994	0.000	0.000	0.000
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11/6/1994	0.000	0.000	0.000
11/7/1994	0.000	0.000	0.000
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11/29/1994	0.000	0.000	0.000
11/30/1994	0.000	0.000	0.000

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12/3/1994	0.000	0.000	0.000
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12/31/1995	0.000	0.000	0.000
1/1/1996	0.000	0.000	0.000
1/2/1996	0.000	0.000	0.000
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1/4/1996	0.000	0.000	0.000
1/5/1996	0.000	0.000	0.000
1/6/1996	0.000	0.000	0.000
1/7/1996	0.000	0.000	0.000
1/8/1996	0.000	0.000	0.000
1/9/1996	0.000	0.000	0.000
1/10/1996	0.000	0.000	0.000
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1/17/1996	0.000	0.000	0.000
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1/19/1996	0.000	0.000	0.000
1/20/1996	0.000	0.000	0.000

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1/23/1996	0.000	0.000	0.000
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1/30/1996	0.000	0.000	0.000
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7/7/1999	0.000	0.000	0.000
7/8/1999	0.000	0.000	0.000
7/9/1999	0.000	0.000	0.000
7/10/1999	0.000	0.000	0.000
7/11/1999	0.000	0.000	0.000
7/12/1999	0.000	0.000	0.000
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4/28/2000	0.000	0.000	0.000

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6/30/2000	0.000	0.000	0.000
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1/13/2003	0.000	0.000	0.000
1/14/2003	0.000	0.000	0.000
1/15/2003	0.000	0.000	0.000
1/16/2003	0.000	0.000	0.000
1/17/2003	0.000	0.000	0.000
1/18/2003	0.000	0.000	0.000
1/19/2003	0.000	0.000	0.000
1/20/2003	0.000	0.000	0.000
1/21/2003	0.000	0.000	0.000
1/22/2003	0.000	0.000	0.000
1/23/2003	0.000	0.000	0.000
1/24/2003	0.000	0.000	0.000
1/25/2003	0.000	0.000	0.000
1/26/2003	0.000	0.000	0.000
1/27/2003	0.000	0.000	0.000
1/28/2003	0.000	0.000	0.000
1/29/2003	0.000	0.000	0.000
1/30/2003	0.000	0.000	0.000
1/31/2003	0.000	0.000	0.000
2/1/2003	0.000	0.000	0.000
2/2/2003	0.000	0.000	0.000
2/3/2003	0.000	0.000	0.000
2/4/2003	0.000	0.000	0.000
2/5/2003	0.000	0.000	0.000
2/6/2003	0.000	0.000	0.000
2/7/2003	0.000	0.000	0.000
2/8/2003	0.000	0.000	0.000
2/9/2003	0.000	0.000	0.000
2/10/2003	0.000	0.000	0.000
2/11/2003	0.000	0.000	0.000
2/12/2003	0.000	0.000	0.000
2/13/2003	0.000	0.000	0.000
2/14/2003	0.000	0.000	0.000
2/15/2003	0.000	0.000	0.000
2/16/2003	0.000	0.000	0.000
2/17/2003	0.000	0.000	0.000
2/18/2003	0.000	0.000	0.000
2/19/2003	0.000	0.000	0.000
2/20/2003	0.000	0.000	0.000
2/21/2003	0.000	0.000	0.000
2/22/2003	0.000	0.000	0.000
2/23/2003	0.000	0.000	0.000
2/24/2003	0.000	0.000	0.000
2/25/2003	0.000	0.000	0.000
2/26/2003	0.000	0.000	0.000
2/27/2003	0.000	0.000	0.000
2/28/2003	0.000	0.000	0.000
3/1/2003	0.000	0.000	0.000
3/2/2003	0.000	0.000	0.000
3/3/2003	0.000	0.000	0.000
3/4/2003	0.000	0.000	0.000

3/5/2003	0.000	0.000	0.000
3/6/2003	0.000	0.000	0.000
3/7/2003	0.000	0.000	0.000
3/8/2003	0.000	0.000	0.000
3/9/2003	0.000	0.000	0.000
3/10/2003	0.000	0.000	0.000
3/11/2003	0.000	0.000	0.000
3/12/2003	0.000	0.000	0.000
3/13/2003	0.000	0.000	0.000
3/14/2003	0.000	0.000	0.000
3/15/2003	0.000	0.000	0.000
3/16/2003	0.000	0.000	0.000
3/17/2003	0.000	0.000	0.000
3/18/2003	0.000	0.000	0.000
3/19/2003	0.000	0.000	0.000
3/20/2003	0.000	0.000	0.000
3/21/2003	0.000	0.000	0.000
3/22/2003	0.000	0.000	0.000
3/23/2003	0.000	0.000	0.000
3/24/2003	0.000	0.000	0.000
3/25/2003	0.000	0.000	0.000
3/26/2003	0.000	0.000	0.000
3/27/2003	0.000	0.000	0.000
3/28/2003	0.000	0.000	0.000
3/29/2003	0.000	0.000	0.000
3/30/2003	0.000	0.000	0.000
3/31/2003	0.000	0.000	0.000
4/1/2003	0.000	0.000	0.000
4/2/2003	0.000	0.000	0.000
4/3/2003	0.000	0.000	0.000
4/4/2003	0.000	0.000	0.000
4/5/2003	0.000	0.000	0.000
4/6/2003	0.000	0.000	0.000
4/7/2003	0.000	0.000	0.000
4/8/2003	0.000	0.000	0.000
4/9/2003	0.000	0.000	0.000
4/10/2003	0.000	0.000	0.000

7		7	
Cumulative weekly 1/3 Dry 2/3 Wet Tower Evaporation w/load factor 0.96 and Wet Tower on only when Air Temp >Tac (Ac-ft)	**Adjusted Service Water Wet CT Evap w/ load factor 0.96 (Ac-ft)**	**Cumulative Weekly Service Water Wet CT Evap w/ load factor 0.96 (Ac-ft)**	**0.93*13.5E9 BTU/hr - Historical Rejected Heat)**
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.50E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	7.10E+09
0.000	0.000	0.000	7.03E+09
0.000	0.000	0.000	7.03E+09
0.000	0.000	0.000	7.03E+09
0.000	0.000	0.000	7.03E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.58E+09
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.51E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09

0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	9.67E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	8.90E+09
0.000	0.000	0.000	1.04E+10
0.000	0.000	0.000	7.93E+09
0.000	0.000	0.000	6.76E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	9.42E+09
0.000	0.000	0.000	9.51E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	7.88E+09
0.000	0.000	0.000	8.16E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09

0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	9.48E+09
0.000	0.000	0.000	7.10E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09

0.000	0.000	0.000	9.51E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.04E+10
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	9.48E+09
0.000	0.000	0.000	9.67E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.34E+09

0.000	0.000	0.000	9.48E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	8.14E+09
0.000	0.000	0.000	9.90E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	9.51E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.06E+10
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	7.38E+09
0.000	0.000	0.000	8.48E+09
0.000	0.000	0.000	8.48E+09
0.000	0.000	0.000	7.38E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	8.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	8.96E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	9.49E+09
0.000	0.000	0.000	8.37E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
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0.000	0.000	0.000	6.66E+09
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0.000	0.000	0.000	6.72E+09
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0.000	0.000	0.000	6.91E+09
0.000	0.000	0.000	6.91E+09
0.000	0.000	0.000	6.91E+09
0.000	0.000	0.000	6.97E+09
0.000	0.000	0.000	6.97E+09
0.000	0.000	0.000	6.97E+09
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0.000	0.000	0.000	7.16E+09
0.000	0.000	0.000	7.71E+09
0.000	0.000	0.000	1.02E+10
0.000	0.000	0.000	1.04E+10
0.000	0.000	0.000	1.14E+10
0.000	0.000	0.000	1.04E+10
0.000	0.000	0.000	1.04E+10
0.000	0.000	0.000	9.54E+09
0.000	0.000	0.000	8.85E+09
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0.000	0.000	0.000	7.41E+09
0.000	0.000	0.000	8.41E+09
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0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
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0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10

0.000	0.000	0.000	1.26E+10
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0.000	0.000	0.000	1.26E+10

0.000	0.000	0.000	1.26E+10
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0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
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0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
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0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.09E+10
0.000	0.000	0.000	1.05E+10

0.000	0.000	0.000	1.05E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.05E+10
0.000	0.000	0.000	9.54E+09
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	9.98E+09
0.000	0.000	0.000	1.17E+10
0.000	0.000	0.000	9.51E+09
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0.000	0.000	0.000	7.16E+09
0.000	0.000	0.000	6.75E+09
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0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	9.42E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.18E+10
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	1.05E+10
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	8.06E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.91E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
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0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	9.94E+09
0.000	0.000	0.000	7.51E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.12E+10
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	9.84E+09
0.000	0.000	0.000	9.83E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	9.42E+09
0.000	0.000	0.000	1.08E+10
0.000	0.000	0.000	7.16E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	5.09E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	8.08E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	5.71E+09
0.000	0.000	0.000	5.81E+09
0.000	0.000	0.000	5.21E+09
0.000	0.000	0.000	5.65E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	8.48E+09
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	9.73E+09
0.000	0.000	0.000	4.77E+09
0.000	0.000	0.000	4.77E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	3.77E+09
0.000	0.000	0.000	4.65E+09
0.000	0.000	0.000	3.20E+09
0.000	0.000	0.000	3.14E+09
0.000	0.000	0.000	3.14E+09
0.000	0.000	0.000	3.14E+09
0.000	0.000	0.000	2.51E+09
0.000	0.000	0.000	1.64E+09
0.000	0.000	0.000	1.51E+09
0.000	0.000	0.000	1.32E+09
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	4.71E+09
0.000	0.000	0.000	1.57E+09
0.000	0.000	0.000	1.57E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	1.57E+09
0.000	0.000	0.000	3.41E+09
0.000	0.000	0.000	1.57E+09
0.000	0.000	0.000	7.57E+08
0.000	0.000	0.000	3.14E+09
0.000	0.000	0.000	3.20E+09
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	7.57E+08

0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.23E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.58E+09
0.000	0.000	0.000	4.43E+08
0.000	0.000	0.000	3.14E+09
0.000	0.000	0.000	5.37E+09
0.000	0.000	0.000	1.95E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.92E+08
0.000	0.000	0.000	1.29E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.51E+09
0.000	0.000	0.000	9.77E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	6.66E+09
0.000	0.000	0.000	6.66E+09
0.000	0.000	0.000	6.78E+09
0.000	0.000	0.000	6.84E+09
0.000	0.000	0.000	6.91E+09
0.000	0.000	0.000	6.97E+09
0.000	0.000	0.000	7.03E+09
0.000	0.000	0.000	7.03E+09
0.000	0.000	0.000	7.10E+09
0.000	0.000	0.000	7.10E+09
0.000	0.000	0.000	7.16E+09
0.000	0.000	0.000	7.22E+09
0.000	0.000	0.000	7.28E+09
0.000	0.000	0.000	7.28E+09
0.000	0.000	0.000	7.35E+09
0.000	0.000	0.000	7.41E+09
0.000	0.000	0.000	7.41E+09
0.000	0.000	0.000	5.71E+09
0.000	0.000	0.000	2.92E+09
0.000	0.000	0.000	7.60E+09
0.000	0.000	0.000	7.66E+09
0.000	0.000	0.000	7.72E+09

0.000	0.000	0.000	7.79E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	7.91E+09
0.000	0.000	0.000	8.04E+09
0.000	0.000	0.000	8.16E+09
0.000	0.000	0.000	8.16E+09
0.000	0.000	0.000	8.16E+09
0.000	0.000	0.000	8.16E+09
0.000	0.000	0.000	7.82E+09
0.000	0.000	0.000	3.37E+09
0.000	0.000	0.000	2.04E+09
0.000	0.000	0.000	2.08E+09
0.000	0.000	0.000	2.09E+09
0.000	0.000	0.000	2.29E+09
0.000	0.000	0.000	4.95E+09
0.000	0.000	0.000	3.32E+09
0.000	0.000	0.000	2.29E+09
0.000	0.000	0.000	2.48E+09
0.000	0.000	0.000	2.53E+09
0.000	0.000	0.000	2.46E+09
0.000	0.000	0.000	2.52E+09
0.000	0.000	0.000	2.52E+09
0.000	0.000	0.000	2.52E+09
0.000	0.000	0.000	2.61E+09
0.000	0.000	0.000	2.69E+09
0.000	0.000	0.000	4.69E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	9.12E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.05E+10
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	7.06E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	7.06E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	7.53E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.07E+10

0.000	0.000	0.000	6.97E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.35E+09
0.000	0.000	0.000	8.98E+09
0.000	0.000	0.000	7.10E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.35E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.19E+10
0.000	0.000	0.000	8.73E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.37E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	8.48E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	7.89E+09
0.000	0.000	0.000	1.13E+10
0.000	0.000	0.000	9.49E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.39E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.05E+09
0.000	0.000	0.000	4.73E+09
0.000	0.000	0.000	4.53E+09
0.000	0.000	0.000	4.39E+09
0.000	0.000	0.000	4.42E+09
0.000	0.000	0.000	3.73E+09
0.000	0.000	0.000	1.89E+09
0.000	0.000	0.000	8.32E+08
0.000	0.000	0.000	1.48E+08
0.000	0.000	0.000	1.04E+08
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	4.18E+08
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	2.73E+08
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	4.18E+08
0.000	0.000	0.000	1.89E+09
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.48E+08
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	-8.98E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.14E+07
0.000	0.000	0.000	-8.98E+06

0.000	0.000	0.000	7.69E+08
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	5.42E+09
0.000	0.000	0.000	2.42E+08
0.000	0.000	0.000	1.67E+08
0.000	0.000	0.000	4.12E+09
0.000	0.000	0.000	1.64E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	9.77E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	5.68E+08
0.000	0.000	0.000	1.59E+09
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	-1.53E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	2.86E+08
0.000	0.000	0.000	9.77E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	7.89E+07
0.000	0.000	0.000	1.23E+08
0.000	0.000	0.000	1.48E+08
0.000	0.000	0.000	1.86E+08
0.000	0.000	0.000	2.93E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	7.40E+09
0.000	0.000	0.000	8.86E+09
0.000	0.000	0.000	6.38E+09
0.000	0.000	0.000	7.89E+09
0.000	0.000	0.000	6.29E+09

0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	8.43E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	8.70E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	9.00E+09
0.000	0.000	0.000	8.78E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.89E+09
0.000	0.000	0.000	1.16E+10
0.000	0.000	0.000	7.81E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	3.55E+09
0.000	0.000	0.000	3.86E+09
0.000	0.000	0.000	2.51E+09
0.000	0.000	0.000	5.79E+09
0.000	0.000	0.000	7.55E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09

0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	3.58E+09
0.000	0.000	0.000	2.17E+08
0.000	0.000	0.000	3.17E+08
0.000	0.000	0.000	7.75E+08
0.000	0.000	0.000	3.74E+09
0.000	0.000	0.000	4.84E+09
0.000	0.000	0.000	2.26E+09
0.000	0.000	0.000	2.41E+09
0.000	0.000	0.000	1.35E+09
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	1.10E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	1.10E+09
0.000	0.000	0.000	1.74E+09
0.000	0.000	0.000	9.51E+08
0.000	0.000	0.000	1.04E+08
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	2.55E+08
0.000	0.000	0.000	2.73E+08
0.000	0.000	0.000	4.68E+08
0.000	0.000	0.000	1.98E+08
0.000	0.000	0.000	1.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	2.02E+09
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	2.23E+08
0.000	0.000	0.000	1.35E+08
0.000	0.000	0.000	1.17E+08
0.000	0.000	0.000	5.43E+08
0.000	0.000	0.000	2.07E+09
0.000	0.000	0.000	4.18E+08
0.000	0.000	0.000	1.17E+08
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	2.23E+08
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.19E+09
0.000	0.000	0.000	5.65E+09
0.000	0.000	0.000	6.50E+08
0.000	0.000	0.000	5.18E+08
0.000	0.000	0.000	6.35E+09
0.000	0.000	0.000	6.91E+09
0.000	0.000	0.000	6.50E+09
0.000	0.000	0.000	6.51E+09

0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.51E+09
0.000	0.000	0.000	6.51E+09
0.000	0.000	0.000	6.50E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.52E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.51E+09
0.000	0.000	0.000	6.52E+09
0.000	0.000	0.000	6.50E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.55E+09
0.000	0.000	0.000	6.51E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.51E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.51E+09
0.000	0.000	0.000	6.57E+09
0.000	0.000	0.000	4.87E+09
0.000	0.000	0.000	2.57E+09
0.000	0.000	0.000	4.48E+09
0.000	0.000	0.000	6.19E+08
0.000	0.000	0.000	5.18E+08
0.000	0.000	0.000	2.42E+08
0.000	0.000	0.000	1.79E+08
0.000	0.000	0.000	2.11E+08
0.000	0.000	0.000	1.73E+08
0.000	0.000	0.000	6.56E+08
0.000	0.000	0.000	4.49E+08
0.000	0.000	0.000	2.36E+08
0.000	0.000	0.000	3.68E+08
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	1.29E+08
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	4.12E+07

0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	9.77E+07
0.000	0.000	0.000	1.48E+08
0.000	0.000	0.000	7.26E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	3.54E+09
0.000	0.000	0.000	9.20E+08
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	3.74E+08
0.000	0.000	0.000	1.32E+09
0.000	0.000	0.000	7.89E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	7.26E+07
0.000	0.000	0.000	7.89E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	3.97E+09
0.000	0.000	0.000	1.48E+08
0.000	0.000	0.000	1.55E+09
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	2.15E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.05E+09
0.000	0.000	0.000	3.99E+09
0.000	0.000	0.000	3.23E+09
0.000	0.000	0.000	3.27E+09
0.000	0.000	0.000	3.80E+09
0.000	0.000	0.000	5.54E+09
0.000	0.000	0.000	2.29E+09
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	2.11E+08
0.000	0.000	0.000	2.48E+08
0.000	0.000	0.000	2.80E+08
0.000	0.000	0.000	2.92E+08
0.000	0.000	0.000	2.73E+08
0.000	0.000	0.000	2.80E+08
0.000	0.000	0.000	4.11E+08
0.000	0.000	0.000	4.11E+08
0.000	0.000	0.000	1.10E+08
0.000	0.000	0.000	5.06E+08

0.000	0.000	0.000	5.44E+09
0.000	0.000	0.000	3.57E+09
0.000	0.000	0.000	4.68E+08
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	2.00E+09
0.000	0.000	0.000	4.11E+09
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	9.57E+08
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	1.92E+08
0.000	0.000	0.000	4.08E+09
0.000	0.000	0.000	4.17E+09
0.000	0.000	0.000	4.39E+09
0.000	0.000	0.000	1.66E+09
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.67E+08
0.000	0.000	0.000	2.17E+08
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	5.68E+08
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09

0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	8.46E+09
0.000	0.000	0.000	1.11E+10
0.000	0.000	0.000	9.27E+09
0.000	0.000	0.000	6.51E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	8.60E+09
0.000	0.000	0.000	1.02E+10
0.000	0.000	0.000	8.28E+09
0.000	0.000	0.000	9.20E+09
0.000	0.000	0.000	9.54E+09
0.000	0.000	0.000	7.05E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.54E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	9.99E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09

0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	1.02E+10
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.24E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	8.32E+09
0.000	0.000	0.000	1.19E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.24E+10
0.000	0.000	0.000	1.16E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.06E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.11E+10
0.000	0.000	0.000	9.30E+09
0.000	0.000	0.000	8.87E+09
0.000	0.000	0.000	7.15E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.62E+09
0.000	0.000	0.000	6.48E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.37E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.39E+09
0.000	0.000	0.000	1.14E+10
0.000	0.000	0.000	8.43E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.61E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10

0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.17E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	1.15E+10
0.000	0.000	0.000	1.06E+10
0.000	0.000	0.000	6.79E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.39E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.36E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	7.55E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	7.78E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.75E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
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0.000	0.000	0.000	6.29E+09
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0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.97E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.63E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	1.04E+10
0.000	0.000	0.000	8.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	9.10E+09

0.000	0.000	0.000	8.67E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	8.21E+09
0.000	0.000	0.000	6.76E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.35E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.73E+09
0.000	0.000	0.000	7.24E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.61E+09
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	1.02E+10
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	9.62E+09
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	8.79E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	1.03E+10
0.000	0.000	0.000	6.75E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	1.05E+10

0.000	0.000	0.000	6.83E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	8.44E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.05E+10
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	5.55E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	4.49E+09

0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.39E+09
0.000	0.000	0.000	3.01E+09
0.000	0.000	0.000	7.82E+08
0.000	0.000	0.000	7.26E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	1.79E+08
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-8.98E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	4.37E+08
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.54E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09

0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	8.26E+09
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	1.16E+10
0.000	0.000	0.000	9.76E+09
0.000	0.000	0.000	6.72E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	1.09E+10
0.000	0.000	0.000	8.44E+09
0.000	0.000	0.000	5.04E+09
0.000	0.000	0.000	4.41E+09
0.000	0.000	0.000	4.43E+09
0.000	0.000	0.000	4.44E+09
0.000	0.000	0.000	4.45E+09
0.000	0.000	0.000	4.29E+09
0.000	0.000	0.000	3.04E+09
0.000	0.000	0.000	7.16E+09
0.000	0.000	0.000	3.67E+09
0.000	0.000	0.000	3.30E+08
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.94E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	4.58E+09
0.000	0.000	0.000	3.97E+09
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.77E+07

0.000	0.000	0.000	3.10E+09
0.000	0.000	0.000	2.19E+09
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.30E+08
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	7.26E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.42E+08
0.000	0.000	0.000	1.98E+08
0.000	0.000	0.000	1.56E+09
0.000	0.000	0.000	5.84E+09
0.000	0.000	0.000	3.47E+09
0.000	0.000	0.000	2.99E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	3.74E+08
0.000	0.000	0.000	1.35E+09
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	2.93E+09
0.000	0.000	0.000	5.08E+09
0.000	0.000	0.000	9.32E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.23E+08
0.000	0.000	0.000	5.88E+09
0.000	0.000	0.000	2.14E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	7.89E+07
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	9.14E+07
0.000	0.000	0.000	3.24E+08
0.000	0.000	0.000	2.30E+08
0.000	0.000	0.000	2.86E+08
0.000	0.000	0.000	1.61E+07

0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.17E+08
0.000	0.000	0.000	7.94E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.17E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.23E+08
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.55E+08
0.000	0.000	0.000	3.80E+08
0.000	0.000	0.000	3.80E+08
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	2.92E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	4.93E+09
0.000	0.000	0.000	1.18E+10
0.000	0.000	0.000	1.17E+10
0.000	0.000	0.000	1.14E+10
0.000	0.000	0.000	1.16E+10
0.000	0.000	0.000	5.68E+09
0.000	0.000	0.000	1.13E+10
0.000	0.000	0.000	1.14E+10
0.000	0.000	0.000	6.21E+09

0.000	0.000	0.000	1.20E+10
0.000	0.000	0.000	1.20E+10
0.000	0.000	0.000	1.19E+10
0.000	0.000	0.000	1.19E+10
0.000	0.000	0.000	1.19E+10
0.000	0.000	0.000	1.19E+10
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	4.70E+09
0.000	0.000	0.000	5.09E+09
0.000	0.000	0.000	3.72E+09
0.000	0.000	0.000	3.36E+08
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	1.48E+08
0.000	0.000	0.000	9.14E+07
0.000	0.000	0.000	1.67E+08
0.000	0.000	0.000	2.61E+08
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	4.21E+09
0.000	0.000	0.000	2.86E+09
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.48E+08
0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	1.35E+08
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	1.61E+07

0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.17E+08
0.000	0.000	0.000	7.26E+07
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	4.89E+09
0.000	0.000	0.000	2.19E+09
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.99E+09
0.000	0.000	0.000	5.57E+09
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	6.77E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	5.39E+09
0.000	0.000	0.000	4.26E+09
0.000	0.000	0.000	3.17E+09
0.000	0.000	0.000	1.18E+09
0.000	0.000	0.000	1.15E+09
0.000	0.000	0.000	7.25E+08
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	1.60E+08
0.000	0.000	0.000	9.85E+06

0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.67E+08
0.000	0.000	0.000	1.04E+08
0.000	0.000	0.000	5.87E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	5.81E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.48E+09
0.000	0.000	0.000	1.72E+09
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	3.30E+08
0.000	0.000	0.000	2.30E+08
0.000	0.000	0.000	5.31E+08
0.000	0.000	0.000	2.61E+08
0.000	0.000	0.000	2.61E+08
0.000	0.000	0.000	9.77E+07
0.000	0.000	0.000	2.04E+08
0.000	0.000	0.000	2.11E+08
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	5.38E+07
0.000	0.000	0.000	6.63E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	4.12E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.29E+08
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06

0.000	0.000	0.000	2.36E+09
0.000	0.000	0.000	3.78E+09
0.000	0.000	0.000	1.64E+09
0.000	0.000	0.000	1.61E+09
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	7.89E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.67E+08
0.000	0.000	0.000	2.48E+08
0.000	0.000	0.000	7.76E+09
0.000	0.000	0.000	6.74E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	5.33E+09
0.000	0.000	0.000	4.60E+09
0.000	0.000	0.000	1.02E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	6.93E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.74E+09
0.000	0.000	0.000	7.18E+09
0.000	0.000	0.000	6.84E+09
0.000	0.000	0.000	6.46E+09
0.000	0.000	0.000	6.62E+09
0.000	0.000	0.000	6.37E+09

0.000	0.000	0.000	6.61E+09
0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.24E+10
0.000	0.000	0.000	7.40E+09
0.000	0.000	0.000	6.83E+09
0.000	0.000	0.000	7.01E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.27E+09

0.000	0.000	0.000	9.16E+09
0.000	0.000	0.000	1.06E+10
0.000	0.000	0.000	6.50E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	7.40E+09
0.000	0.000	0.000	7.80E+09
0.000	0.000	0.000	7.81E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	7.82E+09
0.000	0.000	0.000	7.82E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	7.84E+09
0.000	0.000	0.000	7.84E+09
0.000	0.000	0.000	7.82E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	7.82E+09
0.000	0.000	0.000	7.84E+09
0.000	0.000	0.000	7.85E+09
0.000	0.000	0.000	7.84E+09
0.000	0.000	0.000	7.84E+09
0.000	0.000	0.000	7.16E+09
0.000	0.000	0.000	6.38E+09
0.000	0.000	0.000	7.19E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10

0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	1.24E+10
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.03E+10
0.000	0.000	0.000	8.16E+09
0.000	0.000	0.000	7.57E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	8.58E+09
0.000	0.000	0.000	1.24E+10
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	8.67E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.09E+10
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	1.24E+10
0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	1.24E+10
0.000	0.000	0.000	9.54E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	1.16E+10
0.000	0.000	0.000	6.41E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	5.70E+09
0.000	0.000	0.000	4.39E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.41E+09
0.000	0.000	0.000	4.41E+09
0.000	0.000	0.000	4.05E+09
0.000	0.000	0.000	4.25E+09
0.000	0.000	0.000	1.60E+09
0.000	0.000	0.000	1.98E+08
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	5.38E+07

0.000	0.000	0.000	7.50E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	4.45E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	1.64E+09
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.54E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	3.34E+09
0.000	0.000	0.000	3.99E+08
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	4.93E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	5.56E+08
0.000	0.000	0.000	7.89E+07
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	1.64E+09
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06

0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.17E+08
0.000	0.000	0.000	-8.98E+06
0.000	0.000	0.000	3.03E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	2.65E+09
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	2.58E+09
0.000	0.000	0.000	4.41E+09
0.000	0.000	0.000	4.35E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	1.86E+08
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.10E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	4.49E+08
0.000	0.000	0.000	5.75E+08
0.000	0.000	0.000	8.01E+08
0.000	0.000	0.000	3.11E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.21E+09
0.000	0.000	0.000	4.43E+09
0.000	0.000	0.000	4.49E+09
0.000	0.000	0.000	4.36E+09
0.000	0.000	0.000	4.31E+09
0.000	0.000	0.000	6.60E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	4.37E+09
0.000	0.000	0.000	4.51E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	2.60E+09
0.000	0.000	0.000	-3.41E+07

0.000	0.000	0.000	-2.15E+07
0.000	0.000	0.000	-2.15E+07
0.000	0.000	0.000	8.52E+07
0.000	0.000	0.000	-2.78E+07
0.000	0.000	0.000	-5.29E+07
0.000	0.000	0.000	-2.78E+07
0.000	0.000	0.000	2.61E+09
0.000	0.000	0.000	6.25E+09
0.000	0.000	0.000	5.53E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	2.26E+09
0.000	0.000	0.000	5.53E+09
0.000	0.000	0.000	4.27E+09
0.000	0.000	0.000	1.04E+08
0.000	0.000	0.000	-4.04E+07
0.000	0.000	0.000	2.30E+08
0.000	0.000	0.000	1.54E+08
0.000	0.000	0.000	1.29E+08
0.000	0.000	0.000	-1.53E+07
0.000	0.000	0.000	-1.53E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.35E+08
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-8.98E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.99E+08
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	5.48E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	4.60E+09
0.000	0.000	0.000	3.52E+09
0.000	0.000	0.000	4.62E+08
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	4.08E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	5.87E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	1.33E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07

0.000	0.000	0.000	4.75E+07
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-8.98E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	-8.98E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	7.13E+08
0.000	0.000	0.000	2.04E+08
0.000	0.000	0.000	5.24E+08
0.000	0.000	0.000	3.11E+08
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	4.55E+08
0.000	0.000	0.000	4.87E+08
0.000	0.000	0.000	8.57E+08
0.000	0.000	0.000	5.68E+08
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.73E+08
0.000	0.000	0.000	1.10E+08
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	-8.98E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.14E+07
0.000	0.000	0.000	1.79E+08
0.000	0.000	0.000	1.10E+08
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.67E+08
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.36E+08
0.000	0.000	0.000	6.94E+08
0.000	0.000	0.000	9.01E+08

0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	1.54E+08
0.000	0.000	0.000	3.50E+07
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	3.30E+08
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-8.98E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.62E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	4.97E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	1.45E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	5.24E+08
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.39E+09
0.000	0.000	0.000	7.27E+09
0.000	0.000	0.000	7.21E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	5.69E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	2.77E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	-2.70E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.87E+07
0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	7.00E+08
0.000	0.000	0.000	9.20E+08
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	2.73E+08
0.000	0.000	0.000	2.20E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	1.45E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	2.25E+09
0.000	0.000	0.000	6.01E+07
0.000	0.000	0.000	1.23E+08
0.000	0.000	0.000	3.76E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.24E+09
0.000	0.000	0.000	1.35E+09
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	2.24E+07
0.000	0.000	0.000	4.99E+08
0.000	0.000	0.000	2.18E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	5.07E+09
0.000	0.000	0.000	6.63E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06

0.000	0.000	0.000	1.61E+07
0.000	0.000	0.000	1.04E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.88E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	5.90E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.00E+09
0.000	0.000	0.000	4.74E+08
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	5.49E+09
0.000	0.000	0.000	4.84E+09
0.000	0.000	0.000	6.12E+08
0.000	0.000	0.000	-5.11E+08
0.000	0.000	0.000	2.86E+08
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	3.57E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	9.85E+06
0.000	0.000	0.000	1.29E+08
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.36E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09

0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.54E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	4.53E+09
0.000	0.000	0.000	4.27E+09
0.000	0.000	0.000	4.97E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	4.65E+09

0.000	0.000	0.000	4.06E+09
0.000	0.000	0.000	4.44E+09
0.000	0.000	0.000	2.60E+09
0.000	0.000	0.000	-6.47E+07
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.51E+08
0.000	0.000	0.000	-4.92E+08
0.000	0.000	0.000	-4.53E+08
0.000	0.000	0.000	-4.20E+08
0.000	0.000	0.000	-3.67E+08
0.000	0.000	0.000	-3.28E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-2.03E+08
0.000	0.000	0.000	-1.50E+08
0.000	0.000	0.000	-1.17E+08
0.000	0.000	0.000	-7.79E+07
0.000	0.000	0.000	-5.16E+07
0.000	0.000	0.000	-1.21E+07
0.000	0.000	0.000	3.39E+07
0.000	0.000	0.000	7.99E+07
0.000	0.000	0.000	1.26E+08
0.000	0.000	0.000	1.72E+08
0.000	0.000	0.000	2.18E+08
0.000	0.000	0.000	2.70E+08
0.000	0.000	0.000	3.23E+08
0.000	0.000	0.000	3.36E+08
0.000	0.000	0.000	3.82E+08
0.000	0.000	0.000	4.02E+08
0.000	0.000	0.000	4.55E+08
0.000	0.000	0.000	4.81E+08
0.000	0.000	0.000	5.86E+08
0.000	0.000	0.000	3.12E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	8.04E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	6.53E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09

0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	9.09E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.72E+09
0.000	0.000	0.000	4.98E+09
0.000	0.000	0.000	4.17E+09
0.000	0.000	0.000	4.72E+09
0.000	0.000	0.000	4.01E+09
0.000	0.000	0.000	2.72E+09
0.000	0.000	0.000	2.66E+09
0.000	0.000	0.000	2.70E+09
0.000	0.000	0.000	1.95E+09
0.000	0.000	0.000	5.64E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	5.84E+09
0.000	0.000	0.000	4.07E+09
0.000	0.000	0.000	1.13E+09
0.000	0.000	0.000	-3.87E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.45E+08
0.000	0.000	0.000	-5.56E+06
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08

0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	3.24E+09
0.000	0.000	0.000	5.63E+09
0.000	0.000	0.000	2.26E+09
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	2.97E+09
0.000	0.000	0.000	5.53E+09
0.000	0.000	0.000	4.67E+09
0.000	0.000	0.000	7.55E+09
0.000	0.000	0.000	4.25E+09
0.000	0.000	0.000	2.79E+09
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08

0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	5.58E+09
0.000	0.000	0.000	4.11E+09
0.000	0.000	0.000	-1.50E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-4.33E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	3.89E+09
0.000	0.000	0.000	2.79E+09
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	5.05E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	8.06E+09

0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	1.23E+10
0.000	0.000	0.000	1.15E+10
0.000	0.000	0.000	7.07E+09
0.000	0.000	0.000	5.46E+09
0.000	0.000	0.000	5.09E+09
0.000	0.000	0.000	4.00E+09
0.000	0.000	0.000	3.84E+09
0.000	0.000	0.000	5.65E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.87E+09
0.000	0.000	0.000	4.99E+09
0.000	0.000	0.000	9.01E+08
0.000	0.000	0.000	3.25E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	6.25E+09
0.000	0.000	0.000	6.25E+09
0.000	0.000	0.000	6.25E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.41E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.86E+09
0.000	0.000	0.000	4.96E+09
0.000	0.000	0.000	4.09E+09
0.000	0.000	0.000	4.08E+09
0.000	0.000	0.000	2.16E+09
0.000	0.000	0.000	1.50E+09
0.000	0.000	0.000	1.13E+08
0.000	0.000	0.000	-3.21E+08
0.000	0.000	0.000	-3.21E+08
0.000	0.000	0.000	-3.21E+08
0.000	0.000	0.000	-3.21E+08

0.000	0.000	0.000	-3.21E+08
0.000	0.000	0.000	-3.21E+08
0.000	0.000	0.000	-3.21E+08
0.000	0.000	0.000	-3.14E+08
0.000	0.000	0.000	-4.46E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-4.39E+08
0.000	0.000	0.000	5.83E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	4.02E+09
0.000	0.000	0.000	4.00E+09
0.000	0.000	0.000	4.00E+09
0.000	0.000	0.000	3.18E+09
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-4.99E+08
0.000	0.000	0.000	6.58E+08
0.000	0.000	0.000	1.72E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	4.12E+09
0.000	0.000	0.000	5.44E+09
0.000	0.000	0.000	9.67E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.05E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	9.21E+08

0.000	0.000	0.000	1.45E+09
0.000	0.000	0.000	-4.00E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.38E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.18E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.56E+06
0.000	0.000	0.000	4.69E+09
0.000	0.000	0.000	2.34E+09
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.18E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08

0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-4.92E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-3.93E+08
0.000	0.000	0.000	1.29E+09
0.000	0.000	0.000	1.26E+09
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-4.13E+08
0.000	0.000	0.000	7.17E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-5.84E+08

0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.45E+08
0.000	0.000	0.000	-4.85E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.51E+08
0.000	0.000	0.000	-5.25E+08
0.000	0.000	0.000	-5.45E+08
0.000	0.000	0.000	-3.41E+08
0.000	0.000	0.000	-3.34E+08
0.000	0.000	0.000	-3.41E+08
0.000	0.000	0.000	-3.21E+08
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-2.29E+08
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	-8.44E+07
0.000	0.000	0.000	-9.10E+07
0.000	0.000	0.000	-6.47E+07
0.000	0.000	0.000	-1.21E+07
0.000	0.000	0.000	1.06E+08
0.000	0.000	0.000	8.65E+07
0.000	0.000	0.000	9.30E+07
0.000	0.000	0.000	2.31E+08
0.000	0.000	0.000	2.18E+08
0.000	0.000	0.000	2.38E+08
0.000	0.000	0.000	2.38E+08
0.000	0.000	0.000	3.03E+08
0.000	0.000	0.000	3.43E+08
0.000	0.000	0.000	2.60E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09

0.000	0.000	0.000	6.05E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	8.18E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.11E+10
0.000	0.000	0.000	1.08E+10
0.000	0.000	0.000	9.26E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.30E+09

0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.37E+09
0.000	0.000	0.000	6.38E+09
0.000	0.000	0.000	6.40E+09
0.000	0.000	0.000	6.58E+09
0.000	0.000	0.000	6.58E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	5.80E+09
0.000	0.000	0.000	5.38E+09
0.000	0.000	0.000	6.69E+09
0.000	0.000	0.000	6.85E+09
0.000	0.000	0.000	6.75E+09
0.000	0.000	0.000	5.34E+09
0.000	0.000	0.000	3.93E+09
0.000	0.000	0.000	3.79E+09
0.000	0.000	0.000	4.24E+09
0.000	0.000	0.000	4.31E+09
0.000	0.000	0.000	4.52E+09
0.000	0.000	0.000	7.15E+09
0.000	0.000	0.000	5.19E+09
0.000	0.000	0.000	1.68E+09
0.000	0.000	0.000	9.01E+08
0.000	0.000	0.000	5.56E+09
0.000	0.000	0.000	7.38E+09
0.000	0.000	0.000	7.40E+09
0.000	0.000	0.000	7.42E+09
0.000	0.000	0.000	7.42E+09
0.000	0.000	0.000	7.45E+09
0.000	0.000	0.000	7.62E+09
0.000	0.000	0.000	7.63E+09
0.000	0.000	0.000	7.65E+09
0.000	0.000	0.000	7.67E+09
0.000	0.000	0.000	7.70E+09
0.000	0.000	0.000	7.76E+09
0.000	0.000	0.000	7.80E+09
0.000	0.000	0.000	8.03E+09
0.000	0.000	0.000	7.95E+09
0.000	0.000	0.000	7.97E+09
0.000	0.000	0.000	7.98E+09
0.000	0.000	0.000	8.00E+09
0.000	0.000	0.000	8.01E+09
0.000	0.000	0.000	8.03E+09
0.000	0.000	0.000	8.07E+09
0.000	0.000	0.000	8.29E+09
0.000	0.000	0.000	8.28E+09
0.000	0.000	0.000	8.29E+09
0.000	0.000	0.000	8.30E+09
0.000	0.000	0.000	8.30E+09
0.000	0.000	0.000	8.32E+09
0.000	0.000	0.000	8.35E+09
0.000	0.000	0.000	8.54E+09

0.000	0.000	0.000	8.50E+09
0.000	0.000	0.000	8.52E+09
0.000	0.000	0.000	8.53E+09
0.000	0.000	0.000	8.54E+09
0.000	0.000	0.000	8.55E+09
0.000	0.000	0.000	8.58E+09
0.000	0.000	0.000	8.60E+09
0.000	0.000	0.000	8.97E+09
0.000	0.000	0.000	8.94E+09
0.000	0.000	0.000	8.95E+09
0.000	0.000	0.000	9.09E+09
0.000	0.000	0.000	1.25E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26

0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.11E+10
0.000	0.000	0.000	1.09E+10
0.000	0.000	0.000	1.06E+10
0.000	0.000	0.000	1.00E+10
0.000	0.000	0.000	9.97E+09
0.000	0.000	0.000	9.95E+09
0.000	0.000	0.000	9.98E+09
0.000	0.000	0.000	9.98E+09
0.000	0.000	0.000	9.95E+09
0.000	0.000	0.000	9.94E+09
0.000	0.000	0.000	9.93E+09
0.000	0.000	0.000	9.98E+09
0.000	0.000	0.000	1.01E+10
0.000	0.000	0.000	9.91E+09
0.000	0.000	0.000	9.89E+09
0.000	0.000	0.000	9.91E+09
0.000	0.000	0.000	9.93E+09
0.000	0.000	0.000	9.91E+09
0.000	0.000	0.000	9.91E+09
0.000	0.000	0.000	9.91E+09
0.000	0.000	0.000	9.91E+09
0.000	0.000	0.000	9.91E+09
0.000	0.000	0.000	9.62E+09
0.000	0.000	0.000	8.75E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	5.09E+09
0.000	0.000	0.000	4.67E+09
0.000	0.000	0.000	4.68E+09
0.000	0.000	0.000	4.67E+09
0.000	0.000	0.000	4.27E+09
0.000	0.000	0.000	3.10E+09
0.000	0.000	0.000	1.49E+09
0.000	0.000	0.000	1.00E+09
0.000	0.000	0.000	-3.28E+08
0.000	0.000	0.000	-4.46E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.46E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.22E+08
0.000	0.000	0.000	-4.13E+08
0.000	0.000	0.000	-4.00E+08
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	5.56E+09

0.000	0.000	0.000	4.79E+09
0.000	0.000	0.000	1.60E+09
0.000	0.000	0.000	-3.87E+08
0.000	0.000	0.000	1.03E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	5.36E+09
0.000	0.000	0.000	4.49E+09
0.000	0.000	0.000	4.49E+09
0.000	0.000	0.000	2.51E+09
0.000	0.000	0.000	-5.05E+08
0.000	0.000	0.000	-5.25E+08
0.000	0.000	0.000	-4.33E+08
0.000	0.000	0.000	-5.45E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.45E+08
0.000	0.000	0.000	-4.39E+08
0.000	0.000	0.000	-4.39E+08
0.000	0.000	0.000	-4.26E+08
0.000	0.000	0.000	-4.20E+08
0.000	0.000	0.000	-4.06E+08
0.000	0.000	0.000	-5.12E+08
0.000	0.000	0.000	-5.25E+08
0.000	0.000	0.000	-5.18E+08
0.000	0.000	0.000	-5.18E+08
0.000	0.000	0.000	-5.18E+08
0.000	0.000	0.000	-5.12E+08
0.000	0.000	0.000	-5.31E+08
0.000	0.000	0.000	-5.38E+08
0.000	0.000	0.000	-4.01E+08
0.000	0.000	0.000	-3.77E+08
0.000	0.000	0.000	-3.36E+08
0.000	0.000	0.000	1.85E+07
0.000	0.000	0.000	3.88E+08
0.000	0.000	0.000	-2.81E+08
0.000	0.000	0.000	-4.18E+08
0.000	0.000	0.000	4.56E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09

0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	4.84E+09
0.000	0.000	0.000	4.21E+09
0.000	0.000	0.000	2.01E+09
0.000	0.000	0.000	5.75E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	4.02E+09
0.000	0.000	0.000	-3.66E+08
0.000	0.000	0.000	-3.91E+08
0.000	0.000	0.000	-3.79E+08
0.000	0.000	0.000	-3.91E+08
0.000	0.000	0.000	-4.04E+08
0.000	0.000	0.000	-3.94E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-3.99E+08
0.000	0.000	0.000	-3.95E+08
0.000	0.000	0.000	-3.93E+08
0.000	0.000	0.000	-3.97E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-3.95E+08
0.000	0.000	0.000	-3.96E+08
0.000	0.000	0.000	-4.01E+08
0.000	0.000	0.000	-3.95E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-4.05E+08
0.000	0.000	0.000	-3.94E+08
0.000	0.000	0.000	-4.13E+08
0.000	0.000	0.000	-4.14E+08

0.000	0.000	0.000	-4.15E+08
0.000	0.000	0.000	-4.15E+08
0.000	0.000	0.000	-4.15E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-4.09E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-3.86E+08
0.000	0.000	0.000	1.63E+09
0.000	0.000	0.000	4.59E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	5.50E+09
0.000	0.000	0.000	2.65E+09
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	2.87E+09
0.000	0.000	0.000	-4.08E+08
0.000	0.000	0.000	-4.18E+08
0.000	0.000	0.000	-4.07E+08
0.000	0.000	0.000	-4.15E+08
0.000	0.000	0.000	-4.20E+08
0.000	0.000	0.000	-4.06E+08
0.000	0.000	0.000	-4.01E+08
0.000	0.000	0.000	-3.83E+08
0.000	0.000	0.000	1.12E+08
0.000	0.000	0.000	-3.99E+08
0.000	0.000	0.000	-3.97E+08
0.000	0.000	0.000	-3.91E+08
0.000	0.000	0.000	-3.74E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.73E+08
0.000	0.000	0.000	-3.77E+08
0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.28E+08
0.000	0.000	0.000	-3.67E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-2.86E+08
0.000	0.000	0.000	-3.32E+08
0.000	0.000	0.000	-3.67E+08
0.000	0.000	0.000	-3.72E+08
0.000	0.000	0.000	-3.82E+08
0.000	0.000	0.000	-3.75E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-3.67E+08
0.000	0.000	0.000	-3.61E+08
0.000	0.000	0.000	-3.61E+08
0.000	0.000	0.000	-3.59E+08
0.000	0.000	0.000	-3.63E+08

0.000	0.000	0.000	-3.86E+08
0.000	0.000	0.000	-3.52E+08
0.000	0.000	0.000	-3.92E+08
0.000	0.000	0.000	-3.85E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.87E+08
0.000	0.000	0.000	-3.91E+08
0.000	0.000	0.000	-3.88E+08
0.000	0.000	0.000	-3.87E+08
0.000	0.000	0.000	-3.90E+08
0.000	0.000	0.000	-3.81E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.56E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	-3.61E+08
0.000	0.000	0.000	-3.58E+08
0.000	0.000	0.000	-3.50E+08
0.000	0.000	0.000	-3.42E+08
0.000	0.000	0.000	-3.50E+08
0.000	0.000	0.000	-3.57E+08
0.000	0.000	0.000	-3.56E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-3.44E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	-3.43E+08
0.000	0.000	0.000	-3.47E+08
0.000	0.000	0.000	-3.50E+08
0.000	0.000	0.000	-3.50E+08
0.000	0.000	0.000	-3.34E+08
0.000	0.000	0.000	-3.38E+08
0.000	0.000	0.000	-3.36E+08
0.000	0.000	0.000	-3.43E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-3.41E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-3.39E+08
0.000	0.000	0.000	-3.33E+08
0.000	0.000	0.000	-3.38E+08
0.000	0.000	0.000	-3.38E+08
0.000	0.000	0.000	-3.34E+08
0.000	0.000	0.000	-3.34E+08
0.000	0.000	0.000	-3.30E+08
0.000	0.000	0.000	-3.27E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-3.15E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-3.11E+08

0.000	0.000	0.000	-2.96E+08
0.000	0.000	0.000	-2.90E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.96E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	6.11E+08
0.000	0.000	0.000	2.90E+08
0.000	0.000	0.000	-2.84E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.89E+08
0.000	0.000	0.000	-2.90E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-2.06E+08
0.000	0.000	0.000	-2.07E+08
0.000	0.000	0.000	-1.88E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-2.72E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.56E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.37E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.33E+08
0.000	0.000	0.000	-2.23E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-1.54E+08
0.000	0.000	0.000	-2.39E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-1.98E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.05E+08
0.000	0.000	0.000	-1.56E+08
0.000	0.000	0.000	1.21E+09
0.000	0.000	0.000	1.33E+09
0.000	0.000	0.000	4.26E+08
0.000	0.000	0.000	-1.22E+08
0.000	0.000	0.000	-1.72E+08
0.000	0.000	0.000	-1.78E+08
0.000	0.000	0.000	-1.73E+08
0.000	0.000	0.000	9.42E+07
0.000	0.000	0.000	6.23E+09
0.000	0.000	0.000	6.24E+09
0.000	0.000	0.000	6.23E+09
0.000	0.000	0.000	6.24E+09

0.000	0.000	0.000	6.23E+09
0.000	0.000	0.000	5.43E+09
0.000	0.000	0.000	1.02E+09
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	2.45E+07
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.56E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.06E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-2.29E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.33E+08
0.000	0.000	0.000	-2.21E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.13E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.45E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-1.15E+08
0.000	0.000	0.000	-2.47E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-1.76E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-2.57E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-3.32E+07
0.000	0.000	0.000	1.09E+09
0.000	0.000	0.000	5.97E+08
0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.76E+08
0.000	0.000	0.000	-2.82E+08
0.000	0.000	0.000	-2.75E+08

0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.82E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-3.04E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-3.03E+08
0.000	0.000	0.000	-3.05E+08
0.000	0.000	0.000	-3.05E+08
0.000	0.000	0.000	-3.14E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-3.04E+08
0.000	0.000	0.000	-3.11E+08
0.000	0.000	0.000	-3.09E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-3.16E+08
0.000	0.000	0.000	-3.13E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	1.19E+09
0.000	0.000	0.000	1.33E+09
0.000	0.000	0.000	7.03E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-3.18E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-3.18E+08
0.000	0.000	0.000	-3.16E+08
0.000	0.000	0.000	-8.31E+08
0.000	0.000	0.000	-3.17E+08
0.000	0.000	0.000	-3.09E+08
0.000	0.000	0.000	-3.20E+08
0.000	0.000	0.000	-3.18E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-3.26E+08
0.000	0.000	0.000	-3.28E+08
0.000	0.000	0.000	-3.40E+08
0.000	0.000	0.000	-3.36E+08
0.000	0.000	0.000	4.26E+07
0.000	0.000	0.000	-7.28E+07
0.000	0.000	0.000	-3.52E+08
0.000	0.000	0.000	-3.52E+08
0.000	0.000	0.000	-3.51E+08
0.000	0.000	0.000	-3.51E+08
0.000	0.000	0.000	-3.47E+08
0.000	0.000	0.000	-3.56E+08
0.000	0.000	0.000	-3.47E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-2.72E+07
0.000	0.000	0.000	-3.45E+08

0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	-3.17E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.97E+08
0.000	0.000	0.000	-2.92E+08
0.000	0.000	0.000	1.83E+08
0.000	0.000	0.000	-2.37E+08
0.000	0.000	0.000	-3.56E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	2.88E+08
0.000	0.000	0.000	6.47E+07
0.000	0.000	0.000	-3.52E+08
0.000	0.000	0.000	1.24E+08
0.000	0.000	0.000	4.59E+09
0.000	0.000	0.000	3.00E+09
0.000	0.000	0.000	-3.48E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.65E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.65E+08
0.000	0.000	0.000	-3.52E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	9.68E+08
0.000	0.000	0.000	-1.04E+07
0.000	0.000	0.000	-3.16E+08
0.000	0.000	0.000	-3.30E+08
0.000	0.000	0.000	-3.27E+08
0.000	0.000	0.000	-3.31E+08
0.000	0.000	0.000	-1.44E+08
0.000	0.000	0.000	1.89E+08
0.000	0.000	0.000	1.90E+08
0.000	0.000	0.000	2.07E+08
0.000	0.000	0.000	2.34E+08
0.000	0.000	0.000	3.13E+08
0.000	0.000	0.000	5.61E+08
0.000	0.000	0.000	5.97E+08
0.000	0.000	0.000	6.03E+08
0.000	0.000	0.000	6.11E+08
0.000	0.000	0.000	6.17E+08
0.000	0.000	0.000	6.30E+08
0.000	0.000	0.000	6.60E+08
0.000	0.000	0.000	6.73E+08
0.000	0.000	0.000	6.74E+08
0.000	0.000	0.000	6.93E+08
0.000	0.000	0.000	7.01E+08
0.000	0.000	0.000	7.26E+08
0.000	0.000	0.000	7.32E+08
0.000	0.000	0.000	7.50E+08
0.000	0.000	0.000	8.68E+08
0.000	0.000	0.000	8.53E+08

0.000	0.000	0.000	8.59E+08
0.000	0.000	0.000	8.80E+08
0.000	0.000	0.000	9.01E+08
0.000	0.000	0.000	9.74E+08
0.000	0.000	0.000	1.05E+09
0.000	0.000	0.000	1.06E+09
0.000	0.000	0.000	1.11E+09
0.000	0.000	0.000	1.11E+09
0.000	0.000	0.000	1.22E+09
0.000	0.000	0.000	1.33E+09
0.000	0.000	0.000	1.41E+09
0.000	0.000	0.000	2.02E+09
0.000	0.000	0.000	2.17E+09
0.000	0.000	0.000	2.16E+09
0.000	0.000	0.000	2.21E+09
0.000	0.000	0.000	2.26E+09
0.000	0.000	0.000	2.32E+09
0.000	0.000	0.000	2.23E+09
0.000	0.000	0.000	2.15E+09
0.000	0.000	0.000	2.20E+09
0.000	0.000	0.000	2.25E+09
0.000	0.000	0.000	2.35E+09
0.000	0.000	0.000	2.49E+09
0.000	0.000	0.000	2.50E+09
0.000	0.000	0.000	2.62E+09
0.000	0.000	0.000	2.69E+09
0.000	0.000	0.000	2.77E+09
0.000	0.000	0.000	2.85E+09
0.000	0.000	0.000	2.92E+09
0.000	0.000	0.000	2.98E+09
0.000	0.000	0.000	3.06E+09
0.000	0.000	0.000	3.20E+09
0.000	0.000	0.000	3.34E+09
0.000	0.000	0.000	3.52E+09
0.000	0.000	0.000	6.69E+09
0.000	0.000	0.000	4.60E+09
0.000	0.000	0.000	3.61E+09
0.000	0.000	0.000	7.05E+09
0.000	0.000	0.000	7.49E+09
0.000	0.000	0.000	7.50E+09
0.000	0.000	0.000	7.54E+09
0.000	0.000	0.000	7.67E+09
0.000	0.000	0.000	9.56E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10

0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10

0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.12E+10
0.000	0.000	0.000	1.09E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	8.86E+09
0.000	0.000	0.000	7.30E+09
0.000	0.000	0.000	7.26E+09
0.000	0.000	0.000	7.25E+09
0.000	0.000	0.000	6.61E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.12E+09

0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	5.33E+09
0.000	0.000	0.000	4.42E+09
0.000	0.000	0.000	4.32E+09
0.000	0.000	0.000	2.80E+09
0.000	0.000	0.000	5.75E+09
0.000	0.000	0.000	3.07E+09
0.000	0.000	0.000	4.01E+08
0.000	0.000	0.000	1.83E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-2.31E+08
0.000	0.000	0.000	-2.39E+08
0.000	0.000	0.000	-2.65E+07
0.000	0.000	0.000	-2.29E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-2.23E+08
0.000	0.000	0.000	-2.35E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.75E+08

0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.59E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-3.04E+08
0.000	0.000	0.000	-2.89E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.04E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-2.97E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.84E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.72E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.79E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.64E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.79E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.68E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.82E+08
0.000	0.000	0.000	-2.81E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.39E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-2.98E+08
0.000	0.000	0.000	-3.02E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-3.14E+08
0.000	0.000	0.000	-3.25E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-3.12E+08

0.000	0.000	0.000	-3.14E+08
0.000	0.000	0.000	-3.19E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-3.04E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-3.16E+08
0.000	0.000	0.000	-3.19E+08
0.000	0.000	0.000	-3.16E+08
0.000	0.000	0.000	-3.26E+08
0.000	0.000	0.000	-3.23E+08
0.000	0.000	0.000	-3.16E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-2.98E+08
0.000	0.000	0.000	-2.97E+08
0.000	0.000	0.000	-3.00E+08
0.000	0.000	0.000	-3.02E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-3.18E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.53E+08
0.000	0.000	0.000	-3.48E+08
0.000	0.000	0.000	-3.50E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	-2.31E+08
0.000	0.000	0.000	-8.51E+08
0.000	0.000	0.000	-3.48E+08
0.000	0.000	0.000	-3.02E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-2.98E+08
0.000	0.000	0.000	-2.99E+08
0.000	0.000	0.000	-2.96E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-3.01E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	6.81E+07
0.000	0.000	0.000	-2.89E+08
0.000	0.000	0.000	-3.01E+08
0.000	0.000	0.000	-3.05E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-3.06E+08
0.000	0.000	0.000	-3.11E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-1.91E+08

0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.68E+08
0.000	0.000	0.000	-1.76E+08
0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	1.44E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	4.64E+09
0.000	0.000	0.000	1.32E+09
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.97E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-6.07E+07
0.000	0.000	0.000	-5.00E+07
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-3.39E+08
0.000	0.000	0.000	-3.41E+08
0.000	0.000	0.000	-3.42E+08
0.000	0.000	0.000	-3.50E+08
0.000	0.000	0.000	-3.20E+08
0.000	0.000	0.000	2.40E+08
0.000	0.000	0.000	-3.66E+08
0.000	0.000	0.000	-3.67E+08
0.000	0.000	0.000	-3.51E+08
0.000	0.000	0.000	-3.55E+08
0.000	0.000	0.000	-3.59E+08
0.000	0.000	0.000	-3.40E+08
0.000	0.000	0.000	-3.58E+08

0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.62E+08
0.000	0.000	0.000	-3.61E+08
0.000	0.000	0.000	-3.61E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.72E+08
0.000	0.000	0.000	-2.94E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.92E+08
0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	1.84E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	2.74E+09
0.000	0.000	0.000	-3.40E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.61E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.56E+08
0.000	0.000	0.000	-3.66E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.65E+08
0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.68E+08
0.000	0.000	0.000	-3.78E+08
0.000	0.000	0.000	-3.73E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.76E+08
0.000	0.000	0.000	-3.77E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-3.24E+08
0.000	0.000	0.000	-3.83E+08
0.000	0.000	0.000	-3.68E+08
0.000	0.000	0.000	-3.65E+08
0.000	0.000	0.000	-3.71E+08
0.000	0.000	0.000	-3.59E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-3.66E+08
0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	-3.50E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.53E+08
0.000	0.000	0.000	-3.42E+08
0.000	0.000	0.000	-3.44E+08
0.000	0.000	0.000	-3.44E+08
0.000	0.000	0.000	-3.42E+08
0.000	0.000	0.000	-3.46E+08

0.000	0.000	0.000	-3.48E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-3.48E+08
0.000	0.000	0.000	-3.45E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.44E+08
0.000	0.000	0.000	-3.32E+08
0.000	0.000	0.000	-3.35E+08
0.000	0.000	0.000	-3.26E+08
0.000	0.000	0.000	-3.26E+08
0.000	0.000	0.000	-3.42E+08
0.000	0.000	0.000	-3.44E+08
0.000	0.000	0.000	-3.38E+08
0.000	0.000	0.000	-3.30E+08
0.000	0.000	0.000	-3.48E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-3.22E+08
0.000	0.000	0.000	-3.42E+08
0.000	0.000	0.000	-3.38E+08
0.000	0.000	0.000	-3.38E+08
0.000	0.000	0.000	-3.36E+08
0.000	0.000	0.000	-3.39E+08
0.000	0.000	0.000	-3.31E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-3.32E+08
0.000	0.000	0.000	1.60E+08
0.000	0.000	0.000	-3.33E+08
0.000	0.000	0.000	-3.25E+08
0.000	0.000	0.000	-3.32E+08
0.000	0.000	0.000	-3.31E+08
0.000	0.000	0.000	-3.26E+08
0.000	0.000	0.000	-3.30E+08
0.000	0.000	0.000	-3.35E+08
0.000	0.000	0.000	-3.34E+08
0.000	0.000	0.000	-3.41E+08
0.000	0.000	0.000	-3.28E+08
0.000	0.000	0.000	-3.30E+08
0.000	0.000	0.000	-3.36E+08
0.000	0.000	0.000	-3.44E+08
0.000	0.000	0.000	-3.39E+08
0.000	0.000	0.000	-3.35E+08
0.000	0.000	0.000	-3.28E+08
0.000	0.000	0.000	-3.49E+08
0.000	0.000	0.000	-3.44E+08
0.000	0.000	0.000	-3.35E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-3.24E+08
0.000	0.000	0.000	-3.05E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.85E+08

0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-3.05E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-3.05E+08
0.000	0.000	0.000	-3.14E+08
0.000	0.000	0.000	-3.01E+08
0.000	0.000	0.000	-2.98E+08
0.000	0.000	0.000	9.80E+08
0.000	0.000	0.000	2.44E+08
0.000	0.000	0.000	-3.18E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-3.05E+08
0.000	0.000	0.000	-3.00E+08
0.000	0.000	0.000	-2.97E+08
0.000	0.000	0.000	-3.07E+08
0.000	0.000	0.000	-3.20E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-3.06E+08
0.000	0.000	0.000	-3.14E+08
0.000	0.000	0.000	-3.16E+08
0.000	0.000	0.000	-3.11E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-3.14E+08
0.000	0.000	0.000	-3.11E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-3.07E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-3.10E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-3.00E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.58E+08
0.000	0.000	0.000	-2.59E+08
0.000	0.000	0.000	-2.59E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.50E+08

0.000	0.000	0.000	-2.45E+08
0.000	0.000	0.000	-1.17E+08
0.000	0.000	0.000	-2.41E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-2.33E+08
0.000	0.000	0.000	-2.18E+08
0.000	0.000	0.000	-1.50E+08
0.000	0.000	0.000	-1.16E+08
0.000	0.000	0.000	-5.87E+07
0.000	0.000	0.000	-1.11E+07
0.000	0.000	0.000	2.62E+08
0.000	0.000	0.000	1.00E+08
0.000	0.000	0.000	1.22E+08
0.000	0.000	0.000	1.50E+08
0.000	0.000	0.000	1.91E+08
0.000	0.000	0.000	2.42E+08
0.000	0.000	0.000	2.89E+08
0.000	0.000	0.000	3.10E+08
0.000	0.000	0.000	3.60E+08
0.000	0.000	0.000	4.12E+08
0.000	0.000	0.000	4.46E+08
0.000	0.000	0.000	4.82E+08
0.000	0.000	0.000	5.52E+08
0.000	0.000	0.000	5.87E+08
0.000	0.000	0.000	6.19E+08
0.000	0.000	0.000	6.46E+08
0.000	0.000	0.000	6.97E+08
0.000	0.000	0.000	7.53E+08
0.000	0.000	0.000	1.17E+09
0.000	0.000	0.000	1.19E+09
0.000	0.000	0.000	9.41E+08
0.000	0.000	0.000	8.90E+08
0.000	0.000	0.000	9.16E+08
0.000	0.000	0.000	9.34E+08
0.000	0.000	0.000	1.05E+09
0.000	0.000	0.000	1.12E+09
0.000	0.000	0.000	1.12E+09
0.000	0.000	0.000	1.13E+09
0.000	0.000	0.000	1.31E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.25E+09
0.000	0.000	0.000	1.31E+09
0.000	0.000	0.000	1.31E+09
0.000	0.000	0.000	1.32E+09
0.000	0.000	0.000	1.34E+09
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	1.44E+09
0.000	0.000	0.000	1.51E+09
0.000	0.000	0.000	1.52E+09
0.000	0.000	0.000	1.53E+09

0.000	0.000	0.000	1.54E+09
0.000	0.000	0.000	1.60E+09
0.000	0.000	0.000	1.94E+09
0.000	0.000	0.000	1.83E+09
0.000	0.000	0.000	2.32E+09
0.000	0.000	0.000	3.05E+09
0.000	0.000	0.000	3.04E+09
0.000	0.000	0.000	3.05E+09
0.000	0.000	0.000	3.06E+09
0.000	0.000	0.000	3.06E+09
0.000	0.000	0.000	3.08E+09
0.000	0.000	0.000	3.13E+09
0.000	0.000	0.000	5.71E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.50E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.45E+09

0.000	0.000	0.000	6.46E+09
0.000	0.000	0.000	6.59E+09
0.000	0.000	0.000	6.62E+09
0.000	0.000	0.000	6.64E+09
0.000	0.000	0.000	6.68E+09
0.000	0.000	0.000	6.80E+09
0.000	0.000	0.000	6.91E+09
0.000	0.000	0.000	6.82E+09
0.000	0.000	0.000	6.79E+09
0.000	0.000	0.000	6.86E+09
0.000	0.000	0.000	6.94E+09
0.000	0.000	0.000	6.97E+09
0.000	0.000	0.000	6.99E+09
0.000	0.000	0.000	7.01E+09
0.000	0.000	0.000	7.02E+09
0.000	0.000	0.000	7.06E+09
0.000	0.000	0.000	7.19E+09
0.000	0.000	0.000	7.19E+09
0.000	0.000	0.000	7.19E+09
0.000	0.000	0.000	7.21E+09
0.000	0.000	0.000	7.23E+09
0.000	0.000	0.000	7.36E+09
0.000	0.000	0.000	7.36E+09
0.000	0.000	0.000	7.38E+09
0.000	0.000	0.000	7.40E+09
0.000	0.000	0.000	7.42E+09
0.000	0.000	0.000	7.43E+09
0.000	0.000	0.000	7.53E+09
0.000	0.000	0.000	7.39E+09
0.000	0.000	0.000	7.61E+09
0.000	0.000	0.000	7.63E+09
0.000	0.000	0.000	7.64E+09
0.000	0.000	0.000	7.76E+09
0.000	0.000	0.000	7.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.26E+09
0.000	0.000	0.000	2.84E+09
0.000	0.000	0.000	1.85E+09
0.000	0.000	0.000	1.80E+09
0.000	0.000	0.000	1.83E+09
0.000	0.000	0.000	1.72E+09
0.000	0.000	0.000	1.75E+09
0.000	0.000	0.000	1.75E+09
0.000	0.000	0.000	1.77E+09
0.000	0.000	0.000	1.79E+09
0.000	0.000	0.000	1.82E+09
0.000	0.000	0.000	2.06E+09
0.000	0.000	0.000	2.06E+09
0.000	0.000	0.000	2.07E+09

0.000	0.000	0.000	2.08E+09
0.000	0.000	0.000	2.10E+09
0.000	0.000	0.000	2.24E+09
0.000	0.000	0.000	2.24E+09
0.000	0.000	0.000	2.25E+09
0.000	0.000	0.000	2.26E+09
0.000	0.000	0.000	2.27E+09
0.000	0.000	0.000	2.28E+09
0.000	0.000	0.000	2.38E+09
0.000	0.000	0.000	2.44E+09
0.000	0.000	0.000	2.45E+09
0.000	0.000	0.000	2.45E+09
0.000	0.000	0.000	2.45E+09
0.000	0.000	0.000	2.48E+09
0.000	0.000	0.000	2.58E+09
0.000	0.000	0.000	2.65E+09
0.000	0.000	0.000	2.65E+09
0.000	0.000	0.000	2.65E+09
0.000	0.000	0.000	3.05E+09
0.000	0.000	0.000	2.66E+09
0.000	0.000	0.000	2.68E+09
0.000	0.000	0.000	2.76E+09
0.000	0.000	0.000	2.79E+09
0.000	0.000	0.000	2.80E+09
0.000	0.000	0.000	2.80E+09
0.000	0.000	0.000	2.81E+09
0.000	0.000	0.000	2.82E+09
0.000	0.000	0.000	2.82E+09
0.000	0.000	0.000	2.83E+09
0.000	0.000	0.000	2.84E+09
0.000	0.000	0.000	2.85E+09
0.000	0.000	0.000	2.93E+09
0.000	0.000	0.000	3.02E+09
0.000	0.000	0.000	3.02E+09
0.000	0.000	0.000	3.04E+09
0.000	0.000	0.000	3.05E+09
0.000	0.000	0.000	3.06E+09
0.000	0.000	0.000	3.06E+09
0.000	0.000	0.000	3.07E+09
0.000	0.000	0.000	3.16E+09
0.000	0.000	0.000	3.22E+09
0.000	0.000	0.000	3.20E+09
0.000	0.000	0.000	3.21E+09
0.000	0.000	0.000	3.22E+09
0.000	0.000	0.000	3.30E+09
0.000	0.000	0.000	3.23E+09
0.000	0.000	0.000	3.31E+09
0.000	0.000	0.000	3.43E+09
0.000	0.000	0.000	3.40E+09
0.000	0.000	0.000	3.40E+09
0.000	0.000	0.000	3.40E+09
0.000	0.000	0.000	3.46E+09

0.000	0.000	0.000	5.75E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.08E+09

0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	4.97E+09
0.000	0.000	0.000	4.53E+09
0.000	0.000	0.000	3.88E+09
0.000	0.000	0.000	2.20E+09
0.000	0.000	0.000	4.94E+08
0.000	0.000	0.000	-3.68E+06
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-3.24E+08
0.000	0.000	0.000	-3.30E+08
0.000	0.000	0.000	-3.22E+08
0.000	0.000	0.000	-3.24E+08
0.000	0.000	0.000	-3.29E+08
0.000	0.000	0.000	-3.25E+08
0.000	0.000	0.000	-3.39E+08
0.000	0.000	0.000	-3.56E+08
0.000	0.000	0.000	-3.41E+08
0.000	0.000	0.000	-3.67E+08
0.000	0.000	0.000	-3.78E+08
0.000	0.000	0.000	-3.26E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.50E+08
0.000	0.000	0.000	-3.39E+08
0.000	0.000	0.000	-3.38E+08
0.000	0.000	0.000	-3.42E+08
0.000	0.000	0.000	-3.45E+08
0.000	0.000	0.000	-3.36E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.81E+08
0.000	0.000	0.000	1.65E+08
0.000	0.000	0.000	-3.86E+08
0.000	0.000	0.000	-3.95E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-3.99E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-3.51E+08
0.000	0.000	0.000	-3.46E+08
0.000	0.000	0.000	-3.40E+08
0.000	0.000	0.000	-3.58E+08
0.000	0.000	0.000	-3.74E+08
0.000	0.000	0.000	-3.76E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.68E+08
0.000	0.000	0.000	-3.73E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.64E+08
0.000	0.000	0.000	-3.65E+08

0.000	0.000	0.000	-3.73E+08
0.000	0.000	0.000	-3.67E+08
0.000	0.000	0.000	-3.69E+08
0.000	0.000	0.000	-3.36E+08
0.000	0.000	0.000	-3.62E+08
0.000	0.000	0.000	-3.65E+08
0.000	0.000	0.000	-3.59E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-1.29E+08
0.000	0.000	0.000	5.42E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	2.23E+09
0.000	0.000	0.000	-3.36E+08
0.000	0.000	0.000	3.39E+07
0.000	0.000	0.000	4.46E+09
0.000	0.000	0.000	5.54E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.36E+09
0.000	0.000	0.000	6.54E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	4.50E+09
0.000	0.000	0.000	3.70E+09
0.000	0.000	0.000	4.95E+08
0.000	0.000	0.000	-4.26E+07
0.000	0.000	0.000	-4.33E+07
0.000	0.000	0.000	-5.20E+07
0.000	0.000	0.000	-1.06E+08
0.000	0.000	0.000	-1.05E+08
0.000	0.000	0.000	-1.08E+08
0.000	0.000	0.000	-1.41E+08
0.000	0.000	0.000	-2.18E+08
0.000	0.000	0.000	-2.11E+08
0.000	0.000	0.000	-2.18E+08
0.000	0.000	0.000	-2.41E+08
0.000	0.000	0.000	-2.52E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.37E+08
0.000	0.000	0.000	-2.35E+08
0.000	0.000	0.000	-2.21E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.17E+08
0.000	0.000	0.000	-2.10E+08

0.000	0.000	0.000	-2.04E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.13E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.22E+08
0.000	0.000	0.000	-2.30E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.31E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.90E+08
0.000	0.000	0.000	4.40E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.24E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	4.98E+09
0.000	0.000	0.000	4.54E+09
0.000	0.000	0.000	1.76E+09
0.000	0.000	0.000	-1.62E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.62E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.05E+08
0.000	0.000	0.000	-2.03E+08
0.000	0.000	0.000	-1.92E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.88E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.88E+08

0.000	0.000	0.000	5.21E+09
0.000	0.000	0.000	4.72E+09
0.000	0.000	0.000	2.32E+08
0.000	0.000	0.000	-1.09E+08
0.000	0.000	0.000	-7.14E+07
0.000	0.000	0.000	-9.29E+07
0.000	0.000	0.000	-1.41E+08
0.000	0.000	0.000	-1.41E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.58E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.24E+08
0.000	0.000	0.000	-1.10E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.86E+08
0.000	0.000	0.000	-1.75E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.64E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-5.87E+07
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-2.05E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.76E+08
0.000	0.000	0.000	4.53E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	5.34E+09
0.000	0.000	0.000	5.19E+09
0.000	0.000	0.000	4.17E+09

0.000	0.000	0.000	1.83E+09
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	3.78E+08
0.000	0.000	0.000	1.34E+08
0.000	0.000	0.000	-2.58E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.57E+08
0.000	0.000	0.000	-2.58E+08
0.000	0.000	0.000	-2.56E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.84E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-2.70E+08
0.000	0.000	0.000	-7.82E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.83E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	2.62E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	5.49E+09
0.000	0.000	0.000	6.48E+08
0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.59E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.72E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.68E+08

0.000	0.000	0.000	-2.72E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.64E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-2.78E+08
0.000	0.000	0.000	-1.97E+08
0.000	0.000	0.000	-2.52E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.79E+08
0.000	0.000	0.000	-2.54E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.04E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.22E+08
0.000	0.000	0.000	-2.19E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	1.14E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.21E+09

0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.24E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.37E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.46E+09
0.000	0.000	0.000	6.48E+09
0.000	0.000	0.000	6.50E+09
0.000	0.000	0.000	6.52E+09
0.000	0.000	0.000	6.64E+09
0.000	0.000	0.000	6.64E+09
0.000	0.000	0.000	6.66E+09
0.000	0.000	0.000	6.69E+09
0.000	0.000	0.000	6.71E+09
0.000	0.000	0.000	1.15E+10
0.000	0.000	0.000	1.10E+10
0.000	0.000	0.000	7.44E+09
0.000	0.000	0.000	7.06E+09
0.000	0.000	0.000	6.96E+09
0.000	0.000	0.000	6.97E+09
0.000	0.000	0.000	6.97E+09
0.000	0.000	0.000	6.98E+09
0.000	0.000	0.000	6.99E+09
0.000	0.000	0.000	7.01E+09
0.000	0.000	0.000	7.20E+09
0.000	0.000	0.000	7.18E+09
0.000	0.000	0.000	7.20E+09
0.000	0.000	0.000	7.21E+09
0.000	0.000	0.000	7.22E+09
0.000	0.000	0.000	7.28E+09
0.000	0.000	0.000	7.51E+09
0.000	0.000	0.000	7.47E+09
0.000	0.000	0.000	7.49E+09
0.000	0.000	0.000	7.50E+09
0.000	0.000	0.000	7.53E+09
0.000	0.000	0.000	7.54E+09
0.000	0.000	0.000	7.57E+09
0.000	0.000	0.000	7.59E+09
0.000	0.000	0.000	7.60E+09
0.000	0.000	0.000	7.61E+09
0.000	0.000	0.000	7.71E+09
0.000	0.000	0.000	7.96E+09
0.000	0.000	0.000	1.00E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10

0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.22E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.07E+10
0.000	0.000	0.000	1.04E+10
0.000	0.000	0.000	7.31E+09
0.000	0.000	0.000	6.48E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.45E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.45E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.58E+09
0.000	0.000	0.000	6.73E+09
0.000	0.000	0.000	6.50E+09
0.000	0.000	0.000	6.45E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.68E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.65E+09
0.000	0.000	0.000	6.77E+09
0.000	0.000	0.000	6.76E+09
0.000	0.000	0.000	6.70E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.41E+09
0.000	0.000	0.000	6.41E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.43E+09

0.000	0.000	0.000	6.43E+09
0.000	0.000	0.000	5.59E+09
0.000	0.000	0.000	4.74E+09
0.000	0.000	0.000	3.25E+09
0.000	0.000	0.000	1.46E+09
0.000	0.000	0.000	2.88E+08
0.000	0.000	0.000	3.99E+07
0.000	0.000	0.000	-1.67E+06
0.000	0.000	0.000	5.71E+06
0.000	0.000	0.000	1.31E+07
0.000	0.000	0.000	5.04E+06
0.000	0.000	0.000	-9.05E+06
0.000	0.000	0.000	-1.71E+07
0.000	0.000	0.000	-1.71E+07
0.000	0.000	0.000	1.64E+07
0.000	0.000	0.000	-2.92E+07
0.000	0.000	0.000	-2.72E+07
0.000	0.000	0.000	-1.17E+07
0.000	0.000	0.000	-1.71E+07
0.000	0.000	0.000	-1.04E+07
0.000	0.000	0.000	-1.67E+06
0.000	0.000	0.000	-1.37E+07
0.000	0.000	0.000	-2.34E+06
0.000	0.000	0.000	1.91E+07
0.000	0.000	0.000	1.51E+07
0.000	0.000	0.000	7.05E+06
0.000	0.000	0.000	-3.28E+05
0.000	0.000	0.000	2.36E+06
0.000	0.000	0.000	1.08E+08
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	6.45E+09
0.000	0.000	0.000	5.66E+09
0.000	0.000	0.000	3.92E+08
0.000	0.000	0.000	2.65E+07
0.000	0.000	0.000	3.39E+07
0.000	0.000	0.000	2.31E+07
0.000	0.000	0.000	2.92E+07
0.000	0.000	0.000	6.54E+07
0.000	0.000	0.000	2.25E+07
0.000	0.000	0.000	9.73E+06
0.000	0.000	0.000	1.11E+08
0.000	0.000	0.000	8.49E+07
0.000	0.000	0.000	4.80E+07
0.000	0.000	0.000	4.73E+07
0.000	0.000	0.000	2.92E+07
0.000	0.000	0.000	4.73E+07
0.000	0.000	0.000	4.93E+07
0.000	0.000	0.000	4.66E+07
0.000	0.000	0.000	4.59E+07
0.000	0.000	0.000	3.86E+07
0.000	0.000	0.000	2.99E+07
0.000	0.000	0.000	4.59E+07

0.000	0.000	0.000	5.47E+07
0.000	0.000	0.000	4.46E+07
0.000	0.000	0.000	4.19E+07
0.000	0.000	0.000	3.79E+07
0.000	0.000	0.000	4.19E+07
0.000	0.000	0.000	4.80E+07
0.000	0.000	0.000	4.93E+07
0.000	0.000	0.000	4.86E+07
0.000	0.000	0.000	3.99E+07
0.000	0.000	0.000	5.00E+07
0.000	0.000	0.000	5.80E+07
0.000	0.000	0.000	1.67E+08
0.000	0.000	0.000	1.76E+08
0.000	0.000	0.000	1.57E+08
0.000	0.000	0.000	6.47E+07
0.000	0.000	0.000	7.61E+07
0.000	0.000	0.000	8.08E+07
0.000	0.000	0.000	8.69E+07
0.000	0.000	0.000	8.02E+07
0.000	0.000	0.000	7.68E+07
0.000	0.000	0.000	8.49E+07
0.000	0.000	0.000	8.28E+07
0.000	0.000	0.000	8.08E+07
0.000	0.000	0.000	8.08E+07
0.000	0.000	0.000	9.36E+07
0.000	0.000	0.000	8.42E+07
0.000	0.000	0.000	1.30E+08
0.000	0.000	0.000	1.15E+08
0.000	0.000	0.000	1.08E+08
0.000	0.000	0.000	1.17E+08
0.000	0.000	0.000	1.14E+08
0.000	0.000	0.000	1.11E+08
0.000	0.000	0.000	1.16E+08
0.000	0.000	0.000	5.89E+08
0.000	0.000	0.000	2.55E+08
0.000	0.000	0.000	1.18E+08
0.000	0.000	0.000	1.22E+08
0.000	0.000	0.000	1.18E+08
0.000	0.000	0.000	5.34E+08
0.000	0.000	0.000	5.15E+08
0.000	0.000	0.000	5.12E+08
0.000	0.000	0.000	1.30E+08
0.000	0.000	0.000	1.12E+08
0.000	0.000	0.000	8.49E+07
0.000	0.000	0.000	1.06E+08
0.000	0.000	0.000	1.07E+08
0.000	0.000	0.000	2.05E+08
0.000	0.000	0.000	1.17E+08
0.000	0.000	0.000	1.06E+08
0.000	0.000	0.000	1.19E+08
0.000	0.000	0.000	1.02E+08
0.000	0.000	0.000	1.02E+08

0.000	0.000	0.000	4.19E+09
0.000	0.000	0.000	6.48E+09
0.000	0.000	0.000	5.04E+09
0.000	0.000	0.000	7.64E+08
0.000	0.000	0.000	1.56E+08
0.000	0.000	0.000	1.59E+08
0.000	0.000	0.000	4.43E+08
0.000	0.000	0.000	5.87E+08
0.000	0.000	0.000	5.50E+08
0.000	0.000	0.000	4.64E+08
0.000	0.000	0.000	1.28E+08
0.000	0.000	0.000	1.32E+08
0.000	0.000	0.000	1.39E+08
0.000	0.000	0.000	1.42E+08
0.000	0.000	0.000	2.40E+08
0.000	0.000	0.000	1.57E+08
0.000	0.000	0.000	1.39E+08
0.000	0.000	0.000	1.39E+08
0.000	0.000	0.000	1.31E+08
0.000	0.000	0.000	1.41E+08
0.000	0.000	0.000	1.54E+08
0.000	0.000	0.000	1.46E+08
0.000	0.000	0.000	1.45E+08
0.000	0.000	0.000	1.48E+08
0.000	0.000	0.000	1.39E+08
0.000	0.000	0.000	1.41E+08
0.000	0.000	0.000	1.32E+08
0.000	0.000	0.000	1.31E+08
0.000	0.000	0.000	1.37E+08
0.000	0.000	0.000	1.41E+08
0.000	0.000	0.000	1.30E+08
0.000	0.000	0.000	1.32E+08
0.000	0.000	0.000	1.26E+08
0.000	0.000	0.000	1.90E+08
0.000	0.000	0.000	2.50E+08
0.000	0.000	0.000	2.68E+08
0.000	0.000	0.000	3.99E+08
0.000	0.000	0.000	7.75E+08
0.000	0.000	0.000	8.38E+08
0.000	0.000	0.000	4.03E+08
0.000	0.000	0.000	4.05E+08
0.000	0.000	0.000	4.42E+08
0.000	0.000	0.000	5.18E+08
0.000	0.000	0.000	5.41E+08
0.000	0.000	0.000	5.58E+08
0.000	0.000	0.000	6.21E+08
0.000	0.000	0.000	6.30E+08
0.000	0.000	0.000	6.50E+08
0.000	0.000	0.000	7.45E+08
0.000	0.000	0.000	7.35E+08
0.000	0.000	0.000	7.52E+08
0.000	0.000	0.000	8.05E+08

0.000	0.000	0.000	8.31E+08
0.000	0.000	0.000	8.47E+08
0.000	0.000	0.000	8.97E+08
0.000	0.000	0.000	9.29E+08
0.000	0.000	0.000	9.43E+08
0.000	0.000	0.000	9.79E+08
0.000	0.000	0.000	1.03E+09
0.000	0.000	0.000	1.04E+09
0.000	0.000	0.000	1.06E+09
0.000	0.000	0.000	1.12E+09
0.000	0.000	0.000	1.14E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.23E+09
0.000	0.000	0.000	1.27E+09
0.000	0.000	0.000	1.31E+09
0.000	0.000	0.000	1.32E+09
0.000	0.000	0.000	1.36E+09
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	1.40E+09
0.000	0.000	0.000	1.44E+09
0.000	0.000	0.000	1.48E+09
0.000	0.000	0.000	1.59E+09
0.000	0.000	0.000	1.55E+09
0.000	0.000	0.000	1.58E+09
0.000	0.000	0.000	1.58E+09
0.000	0.000	0.000	1.60E+09
0.000	0.000	0.000	1.70E+09
0.000	0.000	0.000	1.71E+09
0.000	0.000	0.000	1.28E+09
0.000	0.000	0.000	1.73E+09
0.000	0.000	0.000	1.80E+09
0.000	0.000	0.000	1.82E+09
0.000	0.000	0.000	1.82E+09
0.000	0.000	0.000	1.97E+09
0.000	0.000	0.000	2.00E+09
0.000	0.000	0.000	1.97E+09
0.000	0.000	0.000	1.99E+09
0.000	0.000	0.000	2.06E+09
0.000	0.000	0.000	2.06E+09
0.000	0.000	0.000	2.05E+09
0.000	0.000	0.000	2.22E+09
0.000	0.000	0.000	2.26E+09
0.000	0.000	0.000	2.27E+09
0.000	0.000	0.000	2.36E+09
0.000	0.000	0.000	2.35E+09
0.000	0.000	0.000	2.36E+09
0.000	0.000	0.000	2.38E+09
0.000	0.000	0.000	2.48E+09
0.000	0.000	0.000	2.48E+09
0.000	0.000	0.000	2.49E+09
0.000	0.000	0.000	2.52E+09
0.000	0.000	0.000	2.59E+09

0.000	0.000	0.000	2.59E+09
0.000	0.000	0.000	2.59E+09
0.000	0.000	0.000	2.76E+09
0.000	0.000	0.000	2.73E+09
0.000	0.000	0.000	2.70E+09
0.000	0.000	0.000	2.78E+09
0.000	0.000	0.000	2.80E+09
0.000	0.000	0.000	2.81E+09
0.000	0.000	0.000	2.85E+09
0.000	0.000	0.000	2.87E+09
0.000	0.000	0.000	2.91E+09
0.000	0.000	0.000	2.91E+09
0.000	0.000	0.000	2.92E+09
0.000	0.000	0.000	2.93E+09
0.000	0.000	0.000	2.87E+09
0.000	0.000	0.000	2.87E+09
0.000	0.000	0.000	2.88E+09
0.000	0.000	0.000	2.89E+09
0.000	0.000	0.000	2.94E+09
0.000	0.000	0.000	2.98E+09
0.000	0.000	0.000	2.99E+09
0.000	0.000	0.000	3.01E+09
0.000	0.000	0.000	3.09E+09
0.000	0.000	0.000	3.11E+09
0.000	0.000	0.000	3.11E+09
0.000	0.000	0.000	3.12E+09
0.000	0.000	0.000	3.13E+09
0.000	0.000	0.000	3.21E+09
0.000	0.000	0.000	3.22E+09
0.000	0.000	0.000	3.21E+09
0.000	0.000	0.000	3.24E+09
0.000	0.000	0.000	3.34E+09
0.000	0.000	0.000	3.30E+09
0.000	0.000	0.000	3.30E+09
0.000	0.000	0.000	3.37E+09
0.000	0.000	0.000	3.39E+09
0.000	0.000	0.000	3.40E+09
0.000	0.000	0.000	3.42E+09
0.000	0.000	0.000	3.42E+09
0.000	0.000	0.000	3.43E+09
0.000	0.000	0.000	3.49E+09
0.000	0.000	0.000	3.54E+09
0.000	0.000	0.000	3.53E+09
0.000	0.000	0.000	3.55E+09
0.000	0.000	0.000	3.55E+09
0.000	0.000	0.000	3.57E+09
0.000	0.000	0.000	3.57E+09
0.000	0.000	0.000	4.93E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09

0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09

0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.23E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	4.37E+09
0.000	0.000	0.000	4.32E+09
0.000	0.000	0.000	3.80E+09
0.000	0.000	0.000	2.60E+09
0.000	0.000	0.000	1.53E+09
0.000	0.000	0.000	5.30E+09
0.000	0.000	0.000	6.67E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	4.95E+09
0.000	0.000	0.000	4.01E+09

0.000	0.000	0.000	3.23E+09
0.000	0.000	0.000	4.96E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	4.92E+09
0.000	0.000	0.000	3.38E+09
0.000	0.000	0.000	1.09E+08
0.000	0.000	0.000	-2.04E+08
0.000	0.000	0.000	-2.27E+08
0.000	0.000	0.000	-2.19E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.33E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-2.23E+08
0.000	0.000	0.000	-1.54E+08
0.000	0.000	0.000	-1.38E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.15E+08
0.000	0.000	0.000	-1.20E+08
0.000	0.000	0.000	-1.25E+08
0.000	0.000	0.000	-8.08E+07
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.05E+08
0.000	0.000	0.000	-2.11E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.98E+08
0.000	0.000	0.000	-2.39E+08
0.000	0.000	0.000	-2.35E+08
0.000	0.000	0.000	-2.22E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-2.23E+08
0.000	0.000	0.000	-2.21E+08
0.000	0.000	0.000	-2.19E+08
0.000	0.000	0.000	-6.47E+07
0.000	0.000	0.000	-1.08E+08
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.90E+08
0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.81E+08

0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.62E+08
0.000	0.000	0.000	-1.10E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.41E+08
0.000	0.000	0.000	-9.09E+07
0.000	0.000	0.000	-3.25E+07
0.000	0.000	0.000	-1.20E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.37E+08
0.000	0.000	0.000	-1.34E+08
0.000	0.000	0.000	-1.21E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.28E+08
0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-1.29E+08
0.000	0.000	0.000	-1.24E+08
0.000	0.000	0.000	-1.08E+08
0.000	0.000	0.000	-1.01E+08
0.000	0.000	0.000	-8.48E+07
0.000	0.000	0.000	-6.81E+07
0.000	0.000	0.000	-7.28E+07
0.000	0.000	0.000	-6.67E+07
0.000	0.000	0.000	-4.93E+07
0.000	0.000	0.000	-2.18E+07
0.000	0.000	0.000	-1.67E+06
0.000	0.000	0.000	4.26E+07
0.000	0.000	0.000	1.36E+08
0.000	0.000	0.000	2.08E+08
0.000	0.000	0.000	3.04E+08
0.000	0.000	0.000	1.55E+08
0.000	0.000	0.000	2.04E+08
0.000	0.000	0.000	2.46E+08
0.000	0.000	0.000	2.67E+08
0.000	0.000	0.000	3.05E+08
0.000	0.000	0.000	4.35E+08
0.000	0.000	0.000	4.95E+08
0.000	0.000	0.000	4.16E+08
0.000	0.000	0.000	4.54E+08
0.000	0.000	0.000	5.91E+08
0.000	0.000	0.000	5.92E+08
0.000	0.000	0.000	6.19E+08
0.000	0.000	0.000	6.32E+08
0.000	0.000	0.000	6.37E+08
0.000	0.000	0.000	6.74E+08
0.000	0.000	0.000	7.35E+08
0.000	0.000	0.000	7.65E+08
0.000	0.000	0.000	7.70E+08

0.000	0.000	0.000	9.65E+08
0.000	0.000	0.000	8.98E+08
0.000	0.000	0.000	8.97E+08
0.000	0.000	0.000	9.08E+08
0.000	0.000	0.000	9.68E+08
0.000	0.000	0.000	1.01E+09
0.000	0.000	0.000	1.05E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.41E+09
0.000	0.000	0.000	1.34E+09
0.000	0.000	0.000	1.36E+09
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	1.39E+09
0.000	0.000	0.000	1.41E+09
0.000	0.000	0.000	1.44E+09
0.000	0.000	0.000	1.45E+09
0.000	0.000	0.000	1.46E+09
0.000	0.000	0.000	1.45E+09
0.000	0.000	0.000	1.46E+09
0.000	0.000	0.000	1.47E+09
0.000	0.000	0.000	1.49E+09
0.000	0.000	0.000	1.51E+09
0.000	0.000	0.000	1.53E+09
0.000	0.000	0.000	1.57E+09
0.000	0.000	0.000	1.64E+09
0.000	0.000	0.000	1.59E+09
0.000	0.000	0.000	1.67E+09
0.000	0.000	0.000	1.61E+09
0.000	0.000	0.000	1.68E+09
0.000	0.000	0.000	1.71E+09
0.000	0.000	0.000	1.72E+09
0.000	0.000	0.000	1.74E+09
0.000	0.000	0.000	2.12E+09
0.000	0.000	0.000	5.91E+09
0.000	0.000	0.000	6.23E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.25E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09

0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	5.32E+09
0.000	0.000	0.000	4.53E+09
0.000	0.000	0.000	3.80E+09
0.000	0.000	0.000	2.26E+09
0.000	0.000	0.000	2.30E+08
0.000	0.000	0.000	-1.28E+08
0.000	0.000	0.000	-1.58E+08
0.000	0.000	0.000	-1.56E+08
0.000	0.000	0.000	-3.52E+07
0.000	0.000	0.000	-1.31E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.31E+08
0.000	0.000	0.000	-1.08E+08
0.000	0.000	0.000	-1.11E+08
0.000	0.000	0.000	-1.88E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-1.50E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.07E+08
0.000	0.000	0.000	-2.06E+08

0.000	0.000	0.000	-2.07E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.97E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.97E+08
0.000	0.000	0.000	-2.05E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.11E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.06E+08
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-2.04E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.11E+08
0.000	0.000	0.000	-1.98E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.25E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.66E+08
0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.66E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.13E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-3.12E+07
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.07E+08

0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	2.62E+09
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.40E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	4.22E+09
0.000	0.000	0.000	5.19E+09
0.000	0.000	0.000	1.79E+09
0.000	0.000	0.000	-1.33E+08
0.000	0.000	0.000	-1.28E+08
0.000	0.000	0.000	-5.26E+07
0.000	0.000	0.000	-8.62E+07
0.000	0.000	0.000	-9.02E+07
0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-1.76E+08
0.000	0.000	0.000	-1.73E+08
0.000	0.000	0.000	-1.73E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-1.64E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-1.99E+08
0.000	0.000	0.000	-1.99E+08
0.000	0.000	0.000	-2.03E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.05E+08
0.000	0.000	0.000	-1.92E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.83E+08

0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.39E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-8.35E+07
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.92E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.58E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-1.98E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	4.60E+09
0.000	0.000	0.000	6.39E+09
0.000	0.000	0.000	4.53E+09
0.000	0.000	0.000	3.89E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-8.89E+07
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.90E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-1.91E+08

0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-7.41E+07
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.73E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-1.28E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-1.90E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.64E+08
0.000	0.000	0.000	-1.72E+08
0.000	0.000	0.000	-1.68E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-1.76E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.54E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.23E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.58E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	1.46E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	4.98E+09
0.000	0.000	0.000	3.57E+09
0.000	0.000	0.000	-1.18E+08
0.000	0.000	0.000	-1.17E+08

0.000	0.000	0.000	-1.09E+08
0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-9.82E+07
0.000	0.000	0.000	-8.75E+07
0.000	0.000	0.000	-9.62E+07
0.000	0.000	0.000	-8.28E+07
0.000	0.000	0.000	-7.41E+07
0.000	0.000	0.000	-6.67E+07
0.000	0.000	0.000	-6.47E+07
0.000	0.000	0.000	-6.81E+07
0.000	0.000	0.000	-5.67E+07
0.000	0.000	0.000	8.02E+07
0.000	0.000	0.000	7.48E+07
0.000	0.000	0.000	1.35E+08
0.000	0.000	0.000	1.52E+08
0.000	0.000	0.000	1.59E+08
0.000	0.000	0.000	1.86E+08
0.000	0.000	0.000	2.01E+08
0.000	0.000	0.000	2.97E+08
0.000	0.000	0.000	3.84E+08
0.000	0.000	0.000	4.03E+08
0.000	0.000	0.000	4.24E+08
0.000	0.000	0.000	4.54E+08
0.000	0.000	0.000	4.89E+08
0.000	0.000	0.000	5.05E+08
0.000	0.000	0.000	5.56E+08
0.000	0.000	0.000	7.01E+08
0.000	0.000	0.000	7.09E+08
0.000	0.000	0.000	7.26E+08
0.000	0.000	0.000	7.44E+08
0.000	0.000	0.000	7.63E+08
0.000	0.000	0.000	7.81E+08
0.000	0.000	0.000	8.41E+08
0.000	0.000	0.000	9.80E+08
0.000	0.000	0.000	9.75E+08
0.000	0.000	0.000	1.00E+09
0.000	0.000	0.000	1.00E+09
0.000	0.000	0.000	1.02E+09
0.000	0.000	0.000	1.05E+09
0.000	0.000	0.000	1.19E+09
0.000	0.000	0.000	1.18E+09
0.000	0.000	0.000	1.20E+09
0.000	0.000	0.000	1.22E+09
0.000	0.000	0.000	1.23E+09
0.000	0.000	0.000	1.24E+09
0.000	0.000	0.000	1.34E+09
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	1.39E+09
0.000	0.000	0.000	1.40E+09
0.000	0.000	0.000	1.42E+09
0.000	0.000	0.000	1.44E+09
0.000	0.000	0.000	1.52E+09

0.000	0.000	0.000	1.66E+09
0.000	0.000	0.000	1.64E+09
0.000	0.000	0.000	1.60E+09
0.000	0.000	0.000	1.62E+09
0.000	0.000	0.000	1.64E+09
0.000	0.000	0.000	1.66E+09
0.000	0.000	0.000	1.76E+09
0.000	0.000	0.000	1.85E+09
0.000	0.000	0.000	1.89E+09
0.000	0.000	0.000	1.88E+09
0.000	0.000	0.000	1.90E+09
0.000	0.000	0.000	1.90E+09
0.000	0.000	0.000	1.94E+09
0.000	0.000	0.000	2.03E+09
0.000	0.000	0.000	2.04E+09
0.000	0.000	0.000	2.05E+09
0.000	0.000	0.000	2.07E+09
0.000	0.000	0.000	2.08E+09
0.000	0.000	0.000	2.10E+09
0.000	0.000	0.000	2.16E+09
0.000	0.000	0.000	2.17E+09
0.000	0.000	0.000	2.22E+09
0.000	0.000	0.000	2.24E+09
0.000	0.000	0.000	2.28E+09
0.000	0.000	0.000	2.56E+09
0.000	0.000	0.000	2.56E+09
0.000	0.000	0.000	2.57E+09
0.000	0.000	0.000	2.58E+09
0.000	0.000	0.000	2.59E+09
0.000	0.000	0.000	2.72E+09
0.000	0.000	0.000	3.29E+09
0.000	0.000	0.000	3.27E+09
0.000	0.000	0.000	2.71E+09
0.000	0.000	0.000	2.73E+09
0.000	0.000	0.000	2.74E+09
0.000	0.000	0.000	2.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09

0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.32E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.31E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	4.86E+09
0.000	0.000	0.000	4.44E+09
0.000	0.000	0.000	2.62E+09
0.000	0.000	0.000	1.27E+09
0.000	0.000	0.000	-5.00E+07
0.000	0.000	0.000	-1.29E+08
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.50E+08
0.000	0.000	0.000	-2.07E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	2.83E+08
0.000	0.000	0.000	4.29E+08
0.000	0.000	0.000	3.61E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	9.06E+06
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-6.92E+08
0.000	0.000	0.000	-1.78E+08
0.000	0.000	0.000	-1.72E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-1.22E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-6.54E+07
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.86E+08
0.000	0.000	0.000	-1.88E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.79E+08

0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.86E+08
0.000	0.000	0.000	-1.86E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.03E+08
0.000	0.000	0.000	-1.44E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.03E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.54E+08
0.000	0.000	0.000	-1.62E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.46E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.46E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-9.89E+07
0.000	0.000	0.000	-1.15E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.35E+08
0.000	0.000	0.000	-1.38E+08
0.000	0.000	0.000	-1.38E+08
0.000	0.000	0.000	-1.18E+08

0.000	0.000	0.000	-1.41E+08
0.000	0.000	0.000	-1.50E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.37E+08
0.000	0.000	0.000	-1.40E+08
0.000	0.000	0.000	-7.75E+07
0.000	0.000	0.000	-1.41E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.69E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.56E+08
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-1.24E+07
0.000	0.000	0.000	1.68E+06
0.000	0.000	0.000	2.31E+07
0.000	0.000	0.000	6.20E+07
0.000	0.000	0.000	7.41E+07
0.000	0.000	0.000	1.87E+08
0.000	0.000	0.000	1.97E+08
0.000	0.000	0.000	2.27E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	3.90E+09
0.000	0.000	0.000	2.91E+08
0.000	0.000	0.000	3.23E+08
0.000	0.000	0.000	3.61E+08
0.000	0.000	0.000	3.98E+08
0.000	0.000	0.000	4.07E+08
0.000	0.000	0.000	4.29E+08
0.000	0.000	0.000	5.07E+08
0.000	0.000	0.000	5.70E+08
0.000	0.000	0.000	5.77E+08
0.000	0.000	0.000	5.83E+08
0.000	0.000	0.000	6.51E+08
0.000	0.000	0.000	7.45E+08
0.000	0.000	0.000	7.53E+08
0.000	0.000	0.000	7.66E+08
0.000	0.000	0.000	7.91E+08
0.000	0.000	0.000	8.02E+08
0.000	0.000	0.000	8.56E+08
0.000	0.000	0.000	9.64E+08
0.000	0.000	0.000	9.67E+08
0.000	0.000	0.000	9.78E+08
0.000	0.000	0.000	9.86E+08
0.000	0.000	0.000	1.02E+09
0.000	0.000	0.000	1.07E+09
0.000	0.000	0.000	1.08E+09
0.000	0.000	0.000	1.12E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.17E+09
0.000	0.000	0.000	1.19E+09
0.000	0.000	0.000	1.30E+09

0.000	0.000	0.000	1.27E+09
0.000	0.000	0.000	1.29E+09
0.000	0.000	0.000	1.30E+09
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	1.34E+09
0.000	0.000	0.000	1.36E+09
0.000	0.000	0.000	1.37E+09
0.000	0.000	0.000	1.38E+09
0.000	0.000	0.000	1.39E+09
0.000	0.000	0.000	1.42E+09
0.000	0.000	0.000	1.67E+09
0.000	0.000	0.000	1.94E+09
0.000	0.000	0.000	1.94E+09
0.000	0.000	0.000	1.95E+09
0.000	0.000	0.000	1.99E+09
0.000	0.000	0.000	2.00E+09
0.000	0.000	0.000	2.45E+09
0.000	0.000	0.000	2.40E+09
0.000	0.000	0.000	2.50E+09
0.000	0.000	0.000	1.97E+09
0.000	0.000	0.000	1.97E+09
0.000	0.000	0.000	1.97E+09
0.000	0.000	0.000	1.97E+09
0.000	0.000	0.000	1.98E+09
0.000	0.000	0.000	2.33E+09
0.000	0.000	0.000	5.81E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.39E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09

0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	5.28E+09
0.000	0.000	0.000	4.61E+09
0.000	0.000	0.000	3.85E+09
0.000	0.000	0.000	1.92E+09
0.000	0.000	0.000	9.66E+08
0.000	0.000	0.000	4.91E+08
0.000	0.000	0.000	9.31E+08
0.000	0.000	0.000	9.37E+08
0.000	0.000	0.000	7.56E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.41E+08

0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.47E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.56E+08
0.000	0.000	0.000	-2.51E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	-2.30E+08
0.000	0.000	0.000	-2.22E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.29E+08
0.000	0.000	0.000	-2.06E+08
0.000	0.000	0.000	3.61E+08
0.000	0.000	0.000	-2.52E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.33E+08
0.000	0.000	0.000	-1.10E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.41E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	2.29E+08
0.000	0.000	0.000	3.65E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.58E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.46E+08
0.000	0.000	0.000	-4.73E+07
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.38E+08
0.000	0.000	0.000	-1.26E+08
0.000	0.000	0.000	-1.26E+08
0.000	0.000	0.000	-1.19E+08

0.000	0.000	0.000	-1.19E+08
0.000	0.000	0.000	-8.89E+07
0.000	0.000	0.000	-1.19E+08
0.000	0.000	0.000	-1.25E+08
0.000	0.000	0.000	-1.39E+08
0.000	0.000	0.000	1.02E+09
0.000	0.000	0.000	-4.93E+07
0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.41E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.23E+08
0.000	0.000	0.000	-1.26E+08
0.000	0.000	0.000	-1.27E+08
0.000	0.000	0.000	-1.34E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.64E+08
0.000	0.000	0.000	-8.08E+07
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-1.66E+08
0.000	0.000	0.000	-1.16E+08
0.000	0.000	0.000	-1.78E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.75E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.98E+08
0.000	0.000	0.000	-2.06E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.03E+08
0.000	0.000	0.000	-1.26E+08
0.000	0.000	0.000	-2.11E+08

0.000	0.000	0.000	-2.17E+08
0.000	0.000	0.000	-2.18E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.33E+08
0.000	0.000	0.000	-2.37E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	-2.22E+08
0.000	0.000	0.000	-2.18E+08
0.000	0.000	0.000	2.29E+08
0.000	0.000	0.000	-6.20E+07
0.000	0.000	0.000	-2.13E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.19E+08
0.000	0.000	0.000	-2.19E+08
0.000	0.000	0.000	-2.13E+08
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-2.22E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-2.29E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.29E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-2.37E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.31E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.39E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-7.51E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.33E+08
0.000	0.000	0.000	-1.08E+08
0.000	0.000	0.000	-1.01E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.41E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	-1.73E+08
0.000	0.000	0.000	2.75E+09
0.000	0.000	0.000	5.73E+09
0.000	0.000	0.000	6.22E+08
0.000	0.000	0.000	-2.43E+08

0.000	0.000	0.000	-2.47E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.33E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.47E+08
0.000	0.000	0.000	-2.42E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.41E+08
0.000	0.000	0.000	-2.42E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.42E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-2.30E+08
0.000	0.000	0.000	-2.29E+08
0.000	0.000	0.000	-2.22E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.25E+08
0.000	0.000	0.000	-2.27E+08
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-2.18E+08
0.000	0.000	0.000	-1.09E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-7.14E+07
0.000	0.000	0.000	-6.54E+07
0.000	0.000	0.000	-4.86E+07
0.000	0.000	0.000	-4.93E+07
0.000	0.000	0.000	-3.05E+07
0.000	0.000	0.000	6.07E+07
0.000	0.000	0.000	1.83E+08
0.000	0.000	0.000	1.79E+08
0.000	0.000	0.000	1.97E+08
0.000	0.000	0.000	2.16E+08
0.000	0.000	0.000	2.48E+08
0.000	0.000	0.000	2.79E+08
0.000	0.000	0.000	3.58E+08
0.000	0.000	0.000	4.15E+08
0.000	0.000	0.000	4.26E+08
0.000	0.000	0.000	4.43E+08
0.000	0.000	0.000	4.48E+08
0.000	0.000	0.000	5.00E+08
0.000	0.000	0.000	6.40E+08
0.000	0.000	0.000	6.43E+08

0.000	0.000	0.000	6.60E+08
0.000	0.000	0.000	6.91E+08
0.000	0.000	0.000	7.11E+08
0.000	0.000	0.000	7.25E+08
0.000	0.000	0.000	8.47E+08
0.000	0.000	0.000	8.53E+08
0.000	0.000	0.000	8.70E+08
0.000	0.000	0.000	8.84E+08
0.000	0.000	0.000	8.99E+08
0.000	0.000	0.000	9.35E+08
0.000	0.000	0.000	1.06E+09
0.000	0.000	0.000	1.05E+09
0.000	0.000	0.000	1.06E+09
0.000	0.000	0.000	1.22E+09
0.000	0.000	0.000	1.22E+09
0.000	0.000	0.000	1.12E+09
0.000	0.000	0.000	1.24E+09
0.000	0.000	0.000	1.24E+09
0.000	0.000	0.000	1.25E+09
0.000	0.000	0.000	1.27E+09
0.000	0.000	0.000	1.29E+09
0.000	0.000	0.000	1.30E+09
0.000	0.000	0.000	1.44E+09
0.000	0.000	0.000	1.45E+09
0.000	0.000	0.000	1.47E+09
0.000	0.000	0.000	1.48E+09
0.000	0.000	0.000	1.50E+09
0.000	0.000	0.000	1.51E+09
0.000	0.000	0.000	1.54E+09
0.000	0.000	0.000	1.60E+09
0.000	0.000	0.000	1.61E+09
0.000	0.000	0.000	1.67E+09
0.000	0.000	0.000	1.74E+09
0.000	0.000	0.000	1.75E+09
0.000	0.000	0.000	1.76E+09
0.000	0.000	0.000	1.93E+09
0.000	0.000	0.000	5.83E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09

0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	4.17E+09
0.000	0.000	0.000	1.77E+09
0.000	0.000	0.000	1.47E+09
0.000	0.000	0.000	9.03E+08
0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	1.66E+09
0.000	0.000	0.000	3.04E+09
0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.58E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.60E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	2.36E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.42E+08
0.000	0.000	0.000	-2.47E+08
0.000	0.000	0.000	-2.75E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.31E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.71E+08

0.000	0.000	0.000	-2.25E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.51E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-2.41E+08
0.000	0.000	0.000	-2.52E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.54E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.51E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-1.99E+08
0.000	0.000	0.000	-2.17E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	-2.27E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-2.31E+08
0.000	0.000	0.000	-2.21E+08
0.000	0.000	0.000	-2.27E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.35E+08
0.000	0.000	0.000	-2.35E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.39E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.30E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-1.92E+08
0.000	0.000	0.000	-2.16E+08
0.000	0.000	0.000	-2.20E+08

0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.01E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.09E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-2.01E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.78E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-1.58E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.41E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.42E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.39E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.56E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.72E+08
0.000	0.000	0.000	-1.64E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.46E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-1.64E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-1.62E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.42E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.68E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.54E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.42E+08
0.000	0.000	0.000	-1.39E+08
0.000	0.000	0.000	-1.35E+08
0.000	0.000	0.000	-1.38E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.47E+08

0.000	0.000	0.000	-1.33E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.26E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-4.26E+07
0.000	0.000	0.000	-6.54E+07
0.000	0.000	0.000	-3.72E+07
0.000	0.000	0.000	4.80E+07
0.000	0.000	0.000	1.39E+08
0.000	0.000	0.000	1.51E+08
0.000	0.000	0.000	1.80E+08
0.000	0.000	0.000	2.07E+08
0.000	0.000	0.000	2.22E+08
0.000	0.000	0.000	3.07E+08
0.000	0.000	0.000	3.56E+08
0.000	0.000	0.000	3.89E+09
0.000	0.000	0.000	6.78E+09
0.000	0.000	0.000	4.70E+09
0.000	0.000	0.000	5.58E+08
0.000	0.000	0.000	5.60E+08
0.000	0.000	0.000	5.65E+08
0.000	0.000	0.000	5.98E+08
0.000	0.000	0.000	7.09E+08
0.000	0.000	0.000	7.11E+08
0.000	0.000	0.000	7.29E+08
0.000	0.000	0.000	7.34E+08
0.000	0.000	0.000	9.90E+08
0.000	0.000	0.000	5.87E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09

0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	5.26E+09
0.000	0.000	0.000	3.32E+09
0.000	0.000	0.000	1.43E+09
0.000	0.000	0.000	-1.98E+07
0.000	0.000	0.000	-2.09E+08
0.000	0.000	0.000	-2.09E+08
0.000	0.000	0.000	-2.13E+08
0.000	0.000	0.000	-2.21E+08
0.000	0.000	0.000	1.93E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	1.14E+10
0.000	0.000	0.000	1.03E+10
0.000	0.000	0.000	2.17E+09
0.000	0.000	0.000	-7.77E+08
0.000	0.000	0.000	-2.58E+08
0.000	0.000	0.000	-2.57E+08
0.000	0.000	0.000	-2.54E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.39E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-2.27E+08
0.000	0.000	0.000	-2.26E+08
0.000	0.000	0.000	3.60E+09

0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.18E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.16E+09
0.000	0.000	0.000	6.15E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	5.79E+09
0.000	0.000	0.000	3.25E+09
0.000	0.000	0.000	3.30E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.38E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.46E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.52E+08
0.000	0.000	0.000	-2.45E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.09E+08

0.000	0.000	0.000	-2.40E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.36E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.30E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-2.28E+08
0.000	0.000	0.000	-2.19E+08
0.000	0.000	0.000	-2.23E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.11E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-2.11E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-1.66E+08
0.000	0.000	0.000	-1.99E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.07E+08
0.000	0.000	0.000	4.66E+07
0.000	0.000	0.000	-7.48E+07
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-1.97E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.90E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.64E+08
0.000	0.000	0.000	-1.84E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.90E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-2.07E+08
0.000	0.000	0.000	-2.02E+08

0.000	0.000	0.000	-1.98E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-2.01E+08
0.000	0.000	0.000	-2.01E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	-2.04E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.06E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.97E+08
0.000	0.000	0.000	-1.97E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.62E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.73E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.97E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-1.92E+08
0.000	0.000	0.000	-1.90E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.97E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.89E+08
0.000	0.000	0.000	-1.91E+08
0.000	0.000	0.000	3.20E+08
0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-2.05E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-1.73E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-2.07E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.57E+08
0.000	0.000	0.000	-2.56E+08
0.000	0.000	0.000	-2.54E+08

0.000	0.000	0.000	-2.57E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-2.08E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-1.99E+08
0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-2.06E+08
0.000	0.000	0.000	-2.11E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-2.03E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.05E+08
0.000	0.000	0.000	-2.01E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	1.05E+08
0.000	0.000	0.000	5.85E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.23E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.22E+09

0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	4.53E+09
0.000	0.000	0.000	2.74E+09
0.000	0.000	0.000	1.36E+09
0.000	0.000	0.000	2.13E+09
0.000	0.000	0.000	1.34E+09
0.000	0.000	0.000	2.63E+08
0.000	0.000	0.000	-9.49E+07
0.000	0.000	0.000	-8.75E+07
0.000	0.000	0.000	2.36E+06
0.000	0.000	0.000	1.98E+07
0.000	0.000	0.000	3.66E+07
0.000	0.000	0.000	4.19E+07
0.000	0.000	0.000	3.86E+07
0.000	0.000	0.000	5.13E+07
0.000	0.000	0.000	4.66E+07
0.000	0.000	0.000	4.13E+07
0.000	0.000	0.000	4.86E+07
0.000	0.000	0.000	3.86E+07
0.000	0.000	0.000	3.52E+07
0.000	0.000	0.000	3.39E+07
0.000	0.000	0.000	2.78E+07
0.000	0.000	0.000	5.71E+06
0.000	0.000	0.000	3.03E+06
0.000	0.000	0.000	-2.34E+06
0.000	0.000	0.000	8.39E+06
0.000	0.000	0.000	6.38E+06
0.000	0.000	0.000	1.11E+07
0.000	0.000	0.000	6.38E+06
0.000	0.000	0.000	1.44E+07
0.000	0.000	0.000	2.05E+07
0.000	0.000	0.000	6.13E+08
0.000	0.000	0.000	-1.28E+08
0.000	0.000	0.000	-1.22E+08
0.000	0.000	0.000	-1.11E+08
0.000	0.000	0.000	-9.15E+07
0.000	0.000	0.000	-9.36E+07
0.000	0.000	0.000	-8.95E+07
0.000	0.000	0.000	-6.87E+07
0.000	0.000	0.000	2.70E+08
0.000	0.000	0.000	6.71E+08
0.000	0.000	0.000	4.74E+08
0.000	0.000	0.000	-5.73E+07
0.000	0.000	0.000	-9.36E+07
0.000	0.000	0.000	-1.20E+08
0.000	0.000	0.000	-1.24E+08
0.000	0.000	0.000	-1.20E+08
0.000	0.000	0.000	-1.06E+08
0.000	0.000	0.000	-1.02E+08
0.000	0.000	0.000	-9.29E+07
0.000	0.000	0.000	-1.06E+08

0.000	0.000	0.000	-1.05E+08
0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-9.82E+07
0.000	0.000	0.000	-1.03E+08
0.000	0.000	0.000	-9.42E+07
0.000	0.000	0.000	-2.11E+07
0.000	0.000	0.000	-1.13E+08
0.000	0.000	0.000	-1.18E+08
0.000	0.000	0.000	-1.15E+08
0.000	0.000	0.000	-9.96E+07
0.000	0.000	0.000	-1.16E+08
0.000	0.000	0.000	-1.10E+08
0.000	0.000	0.000	-9.82E+07
0.000	0.000	0.000	-1.03E+08
0.000	0.000	0.000	-9.42E+07
0.000	0.000	0.000	-9.62E+07
0.000	0.000	0.000	-9.15E+07
0.000	0.000	0.000	-7.95E+07
0.000	0.000	0.000	-6.87E+07
0.000	0.000	0.000	-8.82E+07
0.000	0.000	0.000	-1.02E+08
0.000	0.000	0.000	-1.02E+08
0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-1.13E+08
0.000	0.000	0.000	-1.17E+08
0.000	0.000	0.000	-1.13E+08
0.000	0.000	0.000	-1.13E+08
0.000	0.000	0.000	-1.19E+08
0.000	0.000	0.000	-1.05E+08
0.000	0.000	0.000	-1.02E+08
0.000	0.000	0.000	-1.18E+08
0.000	0.000	0.000	-1.20E+08
0.000	0.000	0.000	-1.14E+08
0.000	0.000	0.000	-1.12E+08
0.000	0.000	0.000	-1.16E+08
0.000	0.000	0.000	-1.26E+08
0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-1.09E+08
0.000	0.000	0.000	-1.34E+08
0.000	0.000	0.000	-1.29E+08
0.000	0.000	0.000	-1.35E+08
0.000	0.000	0.000	-1.35E+08
0.000	0.000	0.000	-1.35E+08
0.000	0.000	0.000	-1.44E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.40E+08
0.000	0.000	0.000	-1.38E+08
0.000	0.000	0.000	-1.40E+08
0.000	0.000	0.000	-1.40E+08
0.000	0.000	0.000	-1.46E+08

0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.52E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-1.76E+08
0.000	0.000	0.000	-1.68E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.65E+08
0.000	0.000	0.000	-1.60E+08
0.000	0.000	0.000	-1.61E+08
0.000	0.000	0.000	-1.56E+08
0.000	0.000	0.000	-1.58E+08
0.000	0.000	0.000	-1.24E+08
0.000	0.000	0.000	-1.42E+08
0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-1.73E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-1.70E+08
0.000	0.000	0.000	-1.76E+08
0.000	0.000	0.000	-1.81E+08
0.000	0.000	0.000	-1.37E+08
0.000	0.000	0.000	-1.38E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-7.02E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-1.99E+08
0.000	0.000	0.000	-2.06E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.12E+08
0.000	0.000	0.000	-2.09E+08
0.000	0.000	0.000	-2.03E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.98E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-2.09E+08
0.000	0.000	0.000	-2.03E+08
0.000	0.000	0.000	-2.02E+08

0.000	0.000	0.000	-1.85E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.71E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.78E+08
0.000	0.000	0.000	-1.77E+08
0.000	0.000	0.000	-1.68E+08
0.000	0.000	0.000	-1.62E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-1.98E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-2.07E+08
0.000	0.000	0.000	-2.15E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-2.00E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.10E+08
0.000	0.000	0.000	-2.06E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.87E+08
0.000	0.000	0.000	-2.01E+08
0.000	0.000	0.000	-1.96E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.75E+08
0.000	0.000	0.000	-1.64E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.79E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-1.80E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.92E+08
0.000	0.000	0.000	-1.95E+08
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	5.44E+09
0.000	0.000	0.000	3.84E+09
0.000	0.000	0.000	2.05E+09
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.68E+08
0.000	0.000	0.000	-1.67E+08
0.000	0.000	0.000	-1.63E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.25E+08

0.000	0.000	0.000	-1.58E+08
0.000	0.000	0.000	-1.57E+08
0.000	0.000	0.000	-1.55E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.47E+08
0.000	0.000	0.000	-1.46E+08
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.49E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.50E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-1.27E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.33E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.34E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.26E+08
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.26E+08
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-1.34E+08
0.000	0.000	0.000	-1.31E+08
0.000	0.000	0.000	-1.24E+08
0.000	0.000	0.000	-1.21E+08
0.000	0.000	0.000	-1.21E+08
0.000	0.000	0.000	-1.28E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.34E+08
0.000	0.000	0.000	-1.33E+08
0.000	0.000	0.000	-1.34E+08
0.000	0.000	0.000	-1.44E+07
0.000	0.000	0.000	6.86E+08
0.000	0.000	0.000	6.45E+08
0.000	0.000	0.000	6.12E+08
0.000	0.000	0.000	4.60E+08
0.000	0.000	0.000	3.16E+08
0.000	0.000	0.000	3.13E+08
0.000	0.000	0.000	3.20E+08
0.000	0.000	0.000	3.34E+08
0.000	0.000	0.000	3.92E+07
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-1.22E+08

0.000	0.000	0.000	-1.31E+08
0.000	0.000	0.000	-1.40E+08
0.000	0.000	0.000	-1.45E+08
0.000	0.000	0.000	-1.37E+08
0.000	0.000	0.000	-1.21E+08
0.000	0.000	0.000	-1.43E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.13E+08
0.000	0.000	0.000	-5.93E+07
0.000	0.000	0.000	-5.69E+06
0.000	0.000	0.000	4.46E+07
0.000	0.000	0.000	8.02E+07
0.000	0.000	0.000	8.42E+07
0.000	0.000	0.000	1.69E+08
0.000	0.000	0.000	1.98E+08
0.000	0.000	0.000	2.13E+08
0.000	0.000	0.000	2.73E+08
0.000	0.000	0.000	3.17E+08
0.000	0.000	0.000	3.30E+08
0.000	0.000	0.000	3.52E+08
0.000	0.000	0.000	4.07E+08
0.000	0.000	0.000	5.68E+08
0.000	0.000	0.000	4.84E+08
0.000	0.000	0.000	5.07E+08
0.000	0.000	0.000	5.25E+08
0.000	0.000	0.000	6.34E+08
0.000	0.000	0.000	6.60E+08
0.000	0.000	0.000	6.68E+08
0.000	0.000	0.000	6.81E+08
0.000	0.000	0.000	7.06E+08
0.000	0.000	0.000	7.42E+08
0.000	0.000	0.000	7.86E+08
0.000	0.000	0.000	8.02E+08
0.000	0.000	0.000	8.02E+08
0.000	0.000	0.000	8.29E+08
0.000	0.000	0.000	8.51E+08
0.000	0.000	0.000	8.72E+08
0.000	0.000	0.000	9.64E+08
0.000	0.000	0.000	1.10E+09
0.000	0.000	0.000	1.51E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09

0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.21E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.23E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	5.63E+09
0.000	0.000	0.000	4.08E+09
0.000	0.000	0.000	1.72E+09
0.000	0.000	0.000	9.96E+07
0.000	0.000	0.000	-1.33E+08
0.000	0.000	0.000	-1.44E+08
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.44E+08
0.000	0.000	0.000	-1.51E+08
0.000	0.000	0.000	-1.32E+08
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.34E+08
0.000	0.000	0.000	-1.35E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.24E+08
0.000	0.000	0.000	-1.12E+08
0.000	0.000	0.000	-1.05E+08
0.000	0.000	0.000	-1.08E+08
0.000	0.000	0.000	-1.15E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.36E+08
0.000	0.000	0.000	-1.27E+08
0.000	0.000	0.000	-1.30E+08
0.000	0.000	0.000	-1.31E+08
0.000	0.000	0.000	2.83E+08
0.000	0.000	0.000	3.72E+08
0.000	0.000	0.000	-8.42E+07
0.000	0.000	0.000	-1.10E+08
0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-9.89E+07
0.000	0.000	0.000	-9.56E+07
0.000	0.000	0.000	-9.62E+07
0.000	0.000	0.000	-9.76E+07
0.000	0.000	0.000	-9.69E+07
0.000	0.000	0.000	-1.00E+08

0.000	0.000	0.000	-1.04E+08
0.000	0.000	0.000	-5.06E+07
0.000	0.000	0.000	-5.00E+07
0.000	0.000	0.000	9.70E+08
0.000	0.000	0.000	2.43E+08
0.000	0.000	0.000	-1.15E+08
0.000	0.000	0.000	-1.14E+08
0.000	0.000	0.000	-1.16E+08
0.000	0.000	0.000	-1.05E+08
0.000	0.000	0.000	-1.02E+08
0.000	0.000	0.000	-9.96E+07
0.000	0.000	0.000	-9.76E+07
0.000	0.000	0.000	-9.56E+07
0.000	0.000	0.000	-9.22E+07
0.000	0.000	0.000	-8.42E+07
0.000	0.000	0.000	-8.82E+07
0.000	0.000	0.000	-8.01E+07
0.000	0.000	0.000	-6.61E+07
0.000	0.000	0.000	-6.61E+07
0.000	0.000	0.000	-1.64E+07
0.000	0.000	0.000	1.78E+07
0.000	0.000	0.000	-6.94E+07
0.000	0.000	0.000	-6.34E+07
0.000	0.000	0.000	-6.94E+07
0.000	0.000	0.000	-7.01E+07
0.000	0.000	0.000	-6.94E+07
0.000	0.000	0.000	-6.20E+07
0.000	0.000	0.000	-5.73E+07
0.000	0.000	0.000	-6.47E+07
0.000	0.000	0.000	-6.47E+07
0.000	0.000	0.000	-7.08E+07
0.000	0.000	0.000	-6.27E+07
0.000	0.000	0.000	1.46E+08
0.000	0.000	0.000	5.84E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	5.12E+09
0.000	0.000	0.000	2.22E+09
0.000	0.000	0.000	-4.93E+07
0.000	0.000	0.000	-5.73E+07
0.000	0.000	0.000	-6.14E+07
0.000	0.000	0.000	-6.61E+07
0.000	0.000	0.000	-6.74E+07
0.000	0.000	0.000	-5.93E+07
0.000	0.000	0.000	-5.40E+07
0.000	0.000	0.000	-4.39E+07
0.000	0.000	0.000	-4.79E+07
0.000	0.000	0.000	-3.79E+07
0.000	0.000	0.000	-4.66E+07
0.000	0.000	0.000	-4.66E+07
0.000	0.000	0.000	-5.80E+07
0.000	0.000	0.000	-4.33E+07
0.000	0.000	0.000	-3.32E+07

0.000	0.000	0.000	-2.18E+07
0.000	0.000	0.000	-1.37E+07
0.000	0.000	0.000	-4.26E+07
0.000	0.000	0.000	-6.61E+07
0.000	0.000	0.000	-6.34E+07
0.000	0.000	0.000	-6.07E+07
0.000	0.000	0.000	-5.06E+07
0.000	0.000	0.000	-4.79E+07
0.000	0.000	0.000	-4.53E+07
0.000	0.000	0.000	-3.79E+07
0.000	0.000	0.000	-3.72E+07
0.000	0.000	0.000	-3.79E+07
0.000	0.000	0.000	-3.32E+07
0.000	0.000	0.000	-3.65E+07
0.000	0.000	0.000	-2.38E+07
0.000	0.000	0.000	-1.78E+07
0.000	0.000	0.000	-2.18E+07
0.000	0.000	0.000	-1.24E+07
0.000	0.000	0.000	-1.58E+07
0.000	0.000	0.000	-6.36E+06
0.000	0.000	0.000	-2.45E+07
0.000	0.000	0.000	-4.26E+07
0.000	0.000	0.000	-3.79E+07
0.000	0.000	0.000	-3.72E+07
0.000	0.000	0.000	-2.25E+07
0.000	0.000	0.000	-1.17E+07
0.000	0.000	0.000	-1.67E+06
0.000	0.000	0.000	6.38E+06
0.000	0.000	0.000	1.71E+07
0.000	0.000	0.000	-7.71E+06
0.000	0.000	0.000	-1.31E+07
0.000	0.000	0.000	-1.44E+07
0.000	0.000	0.000	-9.05E+06
0.000	0.000	0.000	-1.11E+07
0.000	0.000	0.000	-1.91E+07
0.000	0.000	0.000	-2.04E+07
0.000	0.000	0.000	-2.51E+07
0.000	0.000	0.000	-3.79E+07
0.000	0.000	0.000	-2.98E+07
0.000	0.000	0.000	-2.98E+07
0.000	0.000	0.000	-4.93E+07
0.000	0.000	0.000	-6.00E+07
0.000	0.000	0.000	-6.07E+07
0.000	0.000	0.000	-6.74E+07
0.000	0.000	0.000	3.01E+08
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	7.14E+09
0.000	0.000	0.000	1.16E+10
0.000	0.000	0.000	6.42E+09

0.000	0.000	0.000	6.30E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.28E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.26E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.29E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	6.27E+09
0.000	0.000	0.000	5.26E+09
0.000	0.000	0.000	4.09E+09
0.000	0.000	0.000	2.16E+09
0.000	0.000	0.000	2.38E+08
0.000	0.000	0.000	-7.61E+07
0.000	0.000	0.000	-2.02E+08
0.000	0.000	0.000	-2.59E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	6.44E+08
0.000	0.000	0.000	5.88E+08
0.000	0.000	0.000	2.08E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.56E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-7.87E+08
0.000	0.000	0.000	-2.70E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.76E+08
0.000	0.000	0.000	-2.72E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.76E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.86E+08
0.000	0.000	0.000	-2.96E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.82E+08
0.000	0.000	0.000	-2.88E+08

0.000	0.000	0.000	-2.85E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.92E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.89E+08
0.000	0.000	0.000	-2.86E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-3.05E+08
0.000	0.000	0.000	-3.01E+08
0.000	0.000	0.000	-2.94E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.90E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-3.11E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.97E+08
0.000	0.000	0.000	-2.92E+08
0.000	0.000	0.000	-2.98E+08
0.000	0.000	0.000	-2.97E+08
0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.93E+08
0.000	0.000	0.000	-2.90E+08
0.000	0.000	0.000	-2.86E+08
0.000	0.000	0.000	-2.79E+08
0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.79E+08
0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.87E+08
0.000	0.000	0.000	-2.32E+08
0.000	0.000	0.000	-2.45E+08
0.000	0.000	0.000	-2.71E+08
0.000	0.000	0.000	-1.74E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.77E+08
0.000	0.000	0.000	-2.76E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.67E+08
0.000	0.000	0.000	-2.73E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-2.69E+08
0.000	0.000	0.000	-2.45E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.24E+08
0.000	0.000	0.000	-2.61E+08

0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.59E+08
0.000	0.000	0.000	-2.52E+08
0.000	0.000	0.000	-2.51E+08
0.000	0.000	0.000	-2.54E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.43E+08
0.000	0.000	0.000	-2.29E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.54E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.57E+08
0.000	0.000	0.000	-2.47E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.56E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.58E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.56E+08
0.000	0.000	0.000	-2.51E+08
0.000	0.000	0.000	-2.57E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.62E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-2.57E+08
0.000	0.000	0.000	-2.55E+08
0.000	0.000	0.000	-2.53E+08
0.000	0.000	0.000	-2.49E+08
0.000	0.000	0.000	-2.48E+08
0.000	0.000	0.000	-2.44E+08
0.000	0.000	0.000	-2.45E+08
0.000	0.000	0.000	-2.34E+08
0.000	0.000	0.000	-2.42E+08
0.000	0.000	0.000	-2.54E+08
0.000	0.000	0.000	-2.50E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.58E+08
0.000	0.000	0.000	-2.65E+08
0.000	0.000	0.000	-2.52E+08
0.000	0.000	0.000	-2.58E+08
0.000	0.000	0.000	-2.66E+08
0.000	0.000	0.000	-3.08E+08
0.000	0.000	0.000	-2.90E+08
0.000	0.000	0.000	-2.99E+08

0.000	0.000	0.000	-2.95E+08
0.000	0.000	0.000	-2.98E+08
0.000	0.000	0.000	-2.92E+08
0.000	0.000	0.000	-2.63E+08
0.000	0.000	0.000	-2.99E+08
0.000	0.000	0.000	-2.97E+08
0.000	0.000	0.000	-2.92E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-2.86E+08
0.000	0.000	0.000	-2.89E+08
0.000	0.000	0.000	-2.90E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-2.92E+08
0.000	0.000	0.000	-2.89E+08
0.000	0.000	0.000	-3.12E+08
0.000	0.000	0.000	-3.60E+08
0.000	0.000	0.000	-2.92E+08
0.000	0.000	0.000	-4.40E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.51E+08
0.000	0.000	0.000	-5.02E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.42E+08
0.000	0.000	0.000	-4.89E+08
0.000	0.000	0.000	-5.21E+08
0.000	0.000	0.000	-5.17E+08
0.000	0.000	0.000	-5.15E+08
0.000	0.000	0.000	-5.25E+08
0.000	0.000	0.000	-5.13E+08
0.000	0.000	0.000	-5.19E+08
0.000	0.000	0.000	-5.21E+08
0.000	0.000	0.000	-5.15E+08
0.000	0.000	0.000	-5.15E+08
0.000	0.000	0.000	-5.15E+08
0.000	0.000	0.000	-5.13E+08
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0.000	0.000	0.000	-5.01E+08
0.000	0.000	0.000	4.26E+07
0.000	0.000	0.000	-4.31E+08
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0.000	0.000	0.000	-4.79E+08
0.000	0.000	0.000	-4.81E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.48E+08
0.000	0.000	0.000	-4.92E+08
0.000	0.000	0.000	-4.36E+08
0.000	0.000	0.000	-4.65E+08
0.000	0.000	0.000	-4.98E+08
0.000	0.000	0.000	-4.98E+08

0.000	0.000	0.000	-4.94E+08
0.000	0.000	0.000	-4.95E+08
0.000	0.000	0.000	-5.03E+08
0.000	0.000	0.000	-5.05E+08
0.000	0.000	0.000	-4.91E+08
0.000	0.000	0.000	-5.05E+08
0.000	0.000	0.000	-4.93E+08
0.000	0.000	0.000	-4.81E+08
0.000	0.000	0.000	-5.01E+08
0.000	0.000	0.000	-5.15E+08
0.000	0.000	0.000	-4.52E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.68E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.96E+08
0.000	0.000	0.000	-5.13E+08
0.000	0.000	0.000	-5.13E+08
0.000	0.000	0.000	-5.01E+08
0.000	0.000	0.000	-4.92E+08
0.000	0.000	0.000	-4.88E+08
0.000	0.000	0.000	-4.83E+08
0.000	0.000	0.000	-4.81E+08
0.000	0.000	0.000	-4.82E+08
0.000	0.000	0.000	-4.86E+08
0.000	0.000	0.000	-4.74E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.69E+08
0.000	0.000	0.000	-4.54E+08
0.000	0.000	0.000	-4.57E+08
0.000	0.000	0.000	7.84E+08
0.000	0.000	0.000	-4.48E+08
0.000	0.000	0.000	-4.47E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.75E+08
0.000	0.000	0.000	-4.81E+08
0.000	0.000	0.000	-4.81E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.62E+08
0.000	0.000	0.000	-4.62E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-3.40E+08
0.000	0.000	0.000	-3.35E+08
0.000	0.000	0.000	-3.86E+08
0.000	0.000	0.000	-4.62E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	5.83E+08
0.000	0.000	0.000	4.51E+08
0.000	0.000	0.000	4.24E+08
0.000	0.000	0.000	-4.46E+08
0.000	0.000	0.000	-4.65E+08
0.000	0.000	0.000	-4.61E+08

0.000	0.000	0.000	-4.42E+08
0.000	0.000	0.000	-4.27E+08
0.000	0.000	0.000	-4.26E+08
0.000	0.000	0.000	-4.47E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.64E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.47E+08
0.000	0.000	0.000	-4.48E+08
0.000	0.000	0.000	-4.56E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.65E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.67E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.52E+08
0.000	0.000	0.000	-4.29E+08
0.000	0.000	0.000	-3.89E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-3.66E+08
0.000	0.000	0.000	-4.33E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.46E+08
0.000	0.000	0.000	-4.38E+08
0.000	0.000	0.000	-4.36E+08
0.000	0.000	0.000	-4.22E+08
0.000	0.000	0.000	-4.12E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-4.04E+08
0.000	0.000	0.000	-4.04E+08
0.000	0.000	0.000	-3.99E+08
0.000	0.000	0.000	-3.94E+08
0.000	0.000	0.000	-4.18E+08
0.000	0.000	0.000	-4.34E+08
0.000	0.000	0.000	-4.37E+08
0.000	0.000	0.000	-4.44E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-4.15E+08
0.000	0.000	0.000	-4.09E+08
0.000	0.000	0.000	-3.98E+08
0.000	0.000	0.000	-3.99E+08
0.000	0.000	0.000	-3.97E+08
0.000	0.000	0.000	-4.01E+08
0.000	0.000	0.000	-4.15E+08
0.000	0.000	0.000	-3.66E+08
0.000	0.000	0.000	-3.91E+08
0.000	0.000	0.000	-3.83E+08
0.000	0.000	0.000	-3.91E+08
0.000	0.000	0.000	-3.86E+08
0.000	0.000	0.000	-3.79E+08

0.000	0.000	0.000	-3.88E+08
0.000	0.000	0.000	-3.77E+08
0.000	0.000	0.000	-3.54E+08
0.000	0.000	0.000	-3.47E+08
0.000	0.000	0.000	-3.56E+08
0.000	0.000	0.000	-3.65E+08
0.000	0.000	0.000	-3.65E+08
0.000	0.000	0.000	-3.67E+08
0.000	0.000	0.000	-3.71E+08
0.000	0.000	0.000	-3.77E+08
0.000	0.000	0.000	-3.79E+08
0.000	0.000	0.000	-3.92E+08
0.000	0.000	0.000	-3.95E+08
0.000	0.000	0.000	-3.75E+08
0.000	0.000	0.000	-3.58E+08
0.000	0.000	0.000	-3.35E+08
0.000	0.000	0.000	-3.64E+08
0.000	0.000	0.000	-3.87E+08
0.000	0.000	0.000	-3.63E+08
0.000	0.000	0.000	-3.37E+08
0.000	0.000	0.000	-2.91E+08
0.000	0.000	0.000	-1.83E+08
0.000	0.000	0.000	-1.59E+08
0.000	0.000	0.000	-1.53E+08
0.000	0.000	0.000	-1.14E+08
0.000	0.000	0.000	-8.68E+07
0.000	0.000	0.000	-6.07E+07
0.000	0.000	0.000	3.12E+07
0.000	0.000	0.000	3.86E+07
0.000	0.000	0.000	8.08E+07
0.000	0.000	0.000	1.02E+08
0.000	0.000	0.000	1.59E+08
0.000	0.000	0.000	1.78E+08
0.000	0.000	0.000	1.73E+08
0.000	0.000	0.000	2.42E+08
0.000	0.000	0.000	2.79E+08
0.000	0.000	0.000	2.92E+08
0.000	0.000	0.000	3.12E+08
0.000	0.000	0.000	3.71E+08
0.000	0.000	0.000	4.04E+08
0.000	0.000	0.000	4.19E+08
0.000	0.000	0.000	4.62E+08
0.000	0.000	0.000	5.46E+08
0.000	0.000	0.000	5.97E+08
0.000	0.000	0.000	7.86E+08
0.000	0.000	0.000	7.44E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09

0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.19E+09
0.000	0.000	0.000	4.16E+09
0.000	0.000	0.000	3.39E+09
0.000	0.000	0.000	2.52E+09
0.000	0.000	0.000	1.12E+09
0.000	0.000	0.000	9.43E+08
0.000	0.000	0.000	1.54E+08
0.000	0.000	0.000	-5.47E+08
0.000	0.000	0.000	-5.47E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.74E+08
0.000	0.000	0.000	-5.78E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.81E+08
0.000	0.000	0.000	-5.89E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-1.11E+09
0.000	0.000	0.000	-5.22E+08
0.000	0.000	0.000	-5.31E+08
0.000	0.000	0.000	-5.50E+08
0.000	0.000	0.000	-5.65E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.72E+08
0.000	0.000	0.000	-5.73E+08
0.000	0.000	0.000	-5.74E+08
0.000	0.000	0.000	-5.64E+08

0.000	0.000	0.000	1.24E+09
0.000	0.000	0.000	4.09E+09
0.000	0.000	0.000	-5.44E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.82E+08
0.000	0.000	0.000	-5.81E+08
0.000	0.000	0.000	-5.81E+08
0.000	0.000	0.000	-5.85E+08
0.000	0.000	0.000	-5.89E+08
0.000	0.000	0.000	-5.94E+08
0.000	0.000	0.000	-5.99E+08
0.000	0.000	0.000	-6.07E+08
0.000	0.000	0.000	-6.01E+08
0.000	0.000	0.000	-6.03E+08
0.000	0.000	0.000	-6.00E+08
0.000	0.000	0.000	-5.95E+08
0.000	0.000	0.000	-5.95E+08
0.000	0.000	0.000	-5.98E+08
0.000	0.000	0.000	-5.89E+08
0.000	0.000	0.000	-5.97E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-6.01E+08
0.000	0.000	0.000	1.27E+09
0.000	0.000	0.000	5.45E+09
0.000	0.000	0.000	7.76E+08
0.000	0.000	0.000	-3.79E+07
0.000	0.000	0.000	-2.11E+07
0.000	0.000	0.000	-1.24E+08
0.000	0.000	0.000	-6.31E+08
0.000	0.000	0.000	-6.01E+08
0.000	0.000	0.000	-5.86E+08
0.000	0.000	0.000	-5.09E+08
0.000	0.000	0.000	-6.01E+08
0.000	0.000	0.000	-5.97E+08
0.000	0.000	0.000	-5.99E+08
0.000	0.000	0.000	-6.01E+08
0.000	0.000	0.000	-6.05E+08
0.000	0.000	0.000	-6.07E+08
0.000	0.000	0.000	-6.03E+08
0.000	0.000	0.000	-6.02E+08
0.000	0.000	0.000	-6.04E+08
0.000	0.000	0.000	-6.01E+08
0.000	0.000	0.000	-5.92E+08
0.000	0.000	0.000	-5.90E+08
0.000	0.000	0.000	-5.95E+08
0.000	0.000	0.000	-6.03E+08
0.000	0.000	0.000	-5.99E+08
0.000	0.000	0.000	-5.93E+08
0.000	0.000	0.000	-5.92E+08
0.000	0.000	0.000	-5.93E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.89E+08

0.000	0.000	0.000	-5.97E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.88E+08
0.000	0.000	0.000	-5.90E+08
0.000	0.000	0.000	-5.99E+08
0.000	0.000	0.000	8.02E+07
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.95E+08
0.000	0.000	0.000	-5.93E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.86E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.75E+08
0.000	0.000	0.000	-5.46E+08
0.000	0.000	0.000	-5.21E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.44E+08
0.000	0.000	0.000	-5.20E+08
0.000	0.000	0.000	-4.86E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.56E+08
0.000	0.000	0.000	-3.97E+08
0.000	0.000	0.000	-2.74E+08
0.000	0.000	0.000	-2.61E+08
0.000	0.000	0.000	-2.37E+08
0.000	0.000	0.000	-1.94E+08
0.000	0.000	0.000	-9.96E+07
0.000	0.000	0.000	-8.55E+07
0.000	0.000	0.000	-7.34E+07
0.000	0.000	0.000	7.72E+06
0.000	0.000	0.000	3.52E+07
0.000	0.000	0.000	6.07E+07
0.000	0.000	0.000	1.23E+08
0.000	0.000	0.000	2.00E+08
0.000	0.000	0.000	2.12E+08
0.000	0.000	0.000	2.28E+08
0.000	0.000	0.000	3.17E+08
0.000	0.000	0.000	3.30E+08
0.000	0.000	0.000	3.79E+08
0.000	0.000	0.000	1.13E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.18E+09
0.000	0.000	0.000	8.80E+08
0.000	0.000	0.000	5.30E+08
0.000	0.000	0.000	6.64E+08
0.000	0.000	0.000	6.85E+08
0.000	0.000	0.000	6.99E+08
0.000	0.000	0.000	7.16E+08
0.000	0.000	0.000	7.60E+08
0.000	0.000	0.000	8.25E+08

0.000	0.000	0.000	8.27E+08
0.000	0.000	0.000	8.46E+08
0.000	0.000	0.000	9.06E+08
0.000	0.000	0.000	9.24E+08
0.000	0.000	0.000	9.53E+08
0.000	0.000	0.000	9.96E+08
0.000	0.000	0.000	1.00E+09
0.000	0.000	0.000	1.11E+09
0.000	0.000	0.000	1.12E+09
0.000	0.000	0.000	1.14E+09
0.000	0.000	0.000	1.15E+09
0.000	0.000	0.000	1.25E+09
0.000	0.000	0.000	1.26E+09
0.000	0.000	0.000	1.28E+09
0.000	0.000	0.000	1.31E+09
0.000	0.000	0.000	1.41E+09
0.000	0.000	0.000	1.42E+09
0.000	0.000	0.000	1.43E+09
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0.000	0.000	0.000	5.71E+09
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0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.05E+09
0.000	0.000	0.000	6.04E+09
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0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.05E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.02E+09
0.000	0.000	0.000	6.03E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.34E+09
0.000	0.000	0.000	9.93E+09
0.000	0.000	0.000	1.26E+10
0.000	0.000	0.000	1.15E+10
0.000	0.000	0.000	6.33E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	5.66E+09
0.000	0.000	0.000	4.42E+09
0.000	0.000	0.000	2.01E+09
0.000	0.000	0.000	4.31E+08
0.000	0.000	0.000	-5.55E+08
0.000	0.000	0.000	-5.73E+08

0.000	0.000	0.000	-5.46E+08
0.000	0.000	0.000	-5.87E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.86E+08
0.000	0.000	0.000	-5.78E+08
0.000	0.000	0.000	-5.55E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.82E+08
0.000	0.000	0.000	-5.81E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.45E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.76E+08
0.000	0.000	0.000	-5.82E+08
0.000	0.000	0.000	3.74E+08
0.000	0.000	0.000	-5.50E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-5.46E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.63E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	3.65E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.07E+09
0.000	0.000	0.000	6.06E+09
0.000	0.000	0.000	3.29E+09
0.000	0.000	0.000	-5.19E+08
0.000	0.000	0.000	-5.34E+08
0.000	0.000	0.000	-5.36E+08
0.000	0.000	0.000	-5.36E+08
0.000	0.000	0.000	-5.32E+08
0.000	0.000	0.000	-5.25E+08
0.000	0.000	0.000	-5.38E+08
0.000	0.000	0.000	-5.40E+08
0.000	0.000	0.000	-5.47E+08
0.000	0.000	0.000	-5.36E+08
0.000	0.000	0.000	-5.47E+08
0.000	0.000	0.000	-5.32E+08
0.000	0.000	0.000	-5.23E+08
0.000	0.000	0.000	-5.44E+08
0.000	0.000	0.000	-5.44E+08
0.000	0.000	0.000	-5.52E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.42E+08
0.000	0.000	0.000	-5.07E+08
0.000	0.000	0.000	-4.43E+08
0.000	0.000	0.000	-5.46E+08

0.000	0.000	0.000	-5.14E+08
0.000	0.000	0.000	-5.40E+08
0.000	0.000	0.000	-5.41E+08
0.000	0.000	0.000	-5.30E+08
0.000	0.000	0.000	-4.95E+08
0.000	0.000	0.000	-5.05E+08
0.000	0.000	0.000	-5.16E+08
0.000	0.000	0.000	-5.11E+08
0.000	0.000	0.000	-5.19E+08
0.000	0.000	0.000	-5.27E+08
0.000	0.000	0.000	-5.20E+08
0.000	0.000	0.000	-5.12E+08
0.000	0.000	0.000	-4.59E+08
0.000	0.000	0.000	-5.03E+08
0.000	0.000	0.000	-5.07E+08
0.000	0.000	0.000	-5.12E+08
0.000	0.000	0.000	-5.02E+08
0.000	0.000	0.000	-4.99E+08
0.000	0.000	0.000	-5.07E+08
0.000	0.000	0.000	-5.04E+08
0.000	0.000	0.000	-5.00E+08
0.000	0.000	0.000	-4.85E+08
0.000	0.000	0.000	-4.93E+08
0.000	0.000	0.000	-4.96E+08
0.000	0.000	0.000	-4.92E+08
0.000	0.000	0.000	-4.73E+08
0.000	0.000	0.000	-4.67E+08
0.000	0.000	0.000	-4.64E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.54E+08
0.000	0.000	0.000	-4.51E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.65E+08
0.000	0.000	0.000	-4.62E+08
0.000	0.000	0.000	-4.55E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.54E+08
0.000	0.000	0.000	-4.61E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.55E+08
0.000	0.000	0.000	-4.52E+08
0.000	0.000	0.000	-4.46E+08
0.000	0.000	0.000	-4.49E+08
0.000	0.000	0.000	-4.64E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.63E+08
0.000	0.000	0.000	-4.62E+08
0.000	0.000	0.000	-4.65E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.73E+08

0.000	0.000	0.000	-4.80E+08
0.000	0.000	0.000	-4.62E+08
0.000	0.000	0.000	-4.71E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.54E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.63E+08
0.000	0.000	0.000	-4.65E+08
0.000	0.000	0.000	-4.57E+08
0.000	0.000	0.000	-4.53E+08
0.000	0.000	0.000	-4.38E+08
0.000	0.000	0.000	-4.39E+08
0.000	0.000	0.000	-4.45E+08
0.000	0.000	0.000	-4.45E+08
0.000	0.000	0.000	-4.55E+08
0.000	0.000	0.000	-4.62E+08
0.000	0.000	0.000	-4.57E+08
0.000	0.000	0.000	-4.57E+08
0.000	0.000	0.000	-3.85E+08
0.000	0.000	0.000	-4.68E+08
0.000	0.000	0.000	-4.42E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.68E+08
0.000	0.000	0.000	-4.74E+08
0.000	0.000	0.000	-4.73E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.74E+08
0.000	0.000	0.000	-4.77E+08
0.000	0.000	0.000	-4.75E+08
0.000	0.000	0.000	-4.78E+08
0.000	0.000	0.000	-4.78E+08
0.000	0.000	0.000	-4.78E+08
0.000	0.000	0.000	-4.75E+08
0.000	0.000	0.000	-4.73E+08
0.000	0.000	0.000	-4.86E+08
0.000	0.000	0.000	-4.79E+08
0.000	0.000	0.000	-4.85E+08
0.000	0.000	0.000	-5.00E+08
0.000	0.000	0.000	-5.04E+08
0.000	0.000	0.000	-4.93E+08
0.000	0.000	0.000	-4.99E+08
0.000	0.000	0.000	-4.91E+08
0.000	0.000	0.000	-4.97E+08
0.000	0.000	0.000	-4.91E+08
0.000	0.000	0.000	-4.93E+08
0.000	0.000	0.000	-5.04E+08
0.000	0.000	0.000	-4.95E+08
0.000	0.000	0.000	-3.80E+08

0.000	0.000	0.000	-5.15E+08
0.000	0.000	0.000	-5.04E+08
0.000	0.000	0.000	-5.11E+08
0.000	0.000	0.000	-5.09E+08
0.000	0.000	0.000	-5.01E+08
0.000	0.000	0.000	-4.91E+08
0.000	0.000	0.000	-4.57E+08
0.000	0.000	0.000	-4.91E+08
0.000	0.000	0.000	-5.09E+08
0.000	0.000	0.000	-5.24E+08
0.000	0.000	0.000	-5.22E+08
0.000	0.000	0.000	-5.25E+08
0.000	0.000	0.000	-5.25E+08
0.000	0.000	0.000	-5.26E+08
0.000	0.000	0.000	-5.29E+08
0.000	0.000	0.000	-5.19E+08
0.000	0.000	0.000	-5.11E+08
0.000	0.000	0.000	-4.99E+08
0.000	0.000	0.000	-5.06E+08
0.000	0.000	0.000	-5.03E+08
0.000	0.000	0.000	-5.21E+08
0.000	0.000	0.000	-5.44E+08
0.000	0.000	0.000	-5.33E+08
0.000	0.000	0.000	-5.46E+08
0.000	0.000	0.000	-5.46E+08
0.000	0.000	0.000	-5.46E+08
0.000	0.000	0.000	-5.48E+08
0.000	0.000	0.000	3.13E+09
0.000	0.000	0.000	-3.00E+08
0.000	0.000	0.000	-3.81E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-5.21E+08
0.000	0.000	0.000	-5.43E+08
0.000	0.000	0.000	-5.44E+08
0.000	0.000	0.000	-5.39E+08
0.000	0.000	0.000	-5.34E+08
0.000	0.000	0.000	-5.51E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.49E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-1.11E+09
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.82E+08
0.000	0.000	0.000	-5.95E+08
0.000	0.000	0.000	-5.82E+08
0.000	0.000	0.000	-5.78E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.58E+08

0.000	0.000	0.000	-5.00E+08
0.000	0.000	0.000	-5.25E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.85E+08
0.000	0.000	0.000	-5.97E+08
0.000	0.000	0.000	-5.90E+08
0.000	0.000	0.000	-5.52E+08
0.000	0.000	0.000	-5.53E+08
0.000	0.000	0.000	-5.98E+08
0.000	0.000	0.000	-5.99E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.92E+08
0.000	0.000	0.000	-5.83E+08
0.000	0.000	0.000	-5.76E+08
0.000	0.000	0.000	-5.85E+08
0.000	0.000	0.000	-5.81E+08
0.000	0.000	0.000	-5.75E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.76E+08
0.000	0.000	0.000	-5.75E+08
0.000	0.000	0.000	-5.91E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.86E+08
0.000	0.000	0.000	-5.90E+08
0.000	0.000	0.000	-5.79E+08
0.000	0.000	0.000	-5.83E+08
0.000	0.000	0.000	-5.67E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.59E+08
0.000	0.000	0.000	-5.63E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.18E+08
0.000	0.000	0.000	-5.63E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.22E+08
0.000	0.000	0.000	-5.59E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	-5.63E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.52E+08

0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.65E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.48E+08
0.000	0.000	0.000	-5.41E+08
0.000	0.000	0.000	-5.39E+08
0.000	0.000	0.000	-5.50E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.55E+08
0.000	0.000	0.000	-5.43E+08
0.000	0.000	0.000	-5.30E+08
0.000	0.000	0.000	-5.22E+08
0.000	0.000	0.000	-5.14E+08
0.000	0.000	0.000	-4.93E+08
0.000	0.000	0.000	1.90E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	2.32E+09
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0.000	0.000	0.000	-3.14E+08
0.000	0.000	0.000	-3.22E+08
0.000	0.000	0.000	-3.40E+08
0.000	0.000	0.000	-3.31E+08
0.000	0.000	0.000	-2.14E+08
0.000	0.000	0.000	-2.20E+08
0.000	0.000	0.000	-2.13E+08
0.000	0.000	0.000	-1.48E+08
0.000	0.000	0.000	-1.06E+08
0.000	0.000	0.000	-9.62E+07
0.000	0.000	0.000	-2.98E+07
0.000	0.000	0.000	2.65E+07
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0.000	0.000	0.000	1.18E+08
0.000	0.000	0.000	1.43E+08
0.000	0.000	0.000	1.65E+08
0.000	0.000	0.000	2.33E+08
0.000	0.000	0.000	2.57E+08
0.000	0.000	0.000	3.06E+08
0.000	0.000	0.000	3.41E+08
0.000	0.000	0.000	3.63E+08
0.000	0.000	0.000	4.98E+08
0.000	0.000	0.000	5.03E+08
0.000	0.000	0.000	5.15E+08
0.000	0.000	0.000	5.83E+08
0.000	0.000	0.000	6.27E+08
0.000	0.000	0.000	6.43E+08
0.000	0.000	0.000	6.60E+08

0.000	0.000	0.000	6.81E+08
0.000	0.000	0.000	6.97E+08
0.000	0.000	0.000	7.21E+08
0.000	0.000	0.000	8.30E+08
0.000	0.000	0.000	9.92E+08
0.000	0.000	0.000	9.84E+08
0.000	0.000	0.000	1.00E+09
0.000	0.000	0.000	1.01E+09
0.000	0.000	0.000	1.02E+09
0.000	0.000	0.000	1.04E+09
0.000	0.000	0.000	1.08E+09
0.000	0.000	0.000	1.13E+09
0.000	0.000	0.000	1.13E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.15E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.25E+09
0.000	0.000	0.000	1.27E+09
0.000	0.000	0.000	1.54E+09
0.000	0.000	0.000	5.65E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	6.22E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	4.71E+09
0.000	0.000	0.000	2.93E+09
0.000	0.000	0.000	1.49E+09

0.000	0.000	0.000	-1.33E+08
0.000	0.000	0.000	-5.50E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.87E+08
0.000	0.000	0.000	-5.88E+08
0.000	0.000	0.000	-5.73E+08
0.000	0.000	0.000	-5.75E+08
0.000	0.000	0.000	-5.69E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.47E+08
0.000	0.000	0.000	-5.40E+08
0.000	0.000	0.000	-5.15E+08
0.000	0.000	0.000	-5.34E+08
0.000	0.000	0.000	-5.74E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.78E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.24E+08
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0.000	0.000	0.000	-5.52E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.07E+08
0.000	0.000	0.000	-3.87E+08
0.000	0.000	0.000	-4.88E+08
0.000	0.000	0.000	-5.37E+08
0.000	0.000	0.000	-5.40E+08
0.000	0.000	0.000	-5.47E+08
0.000	0.000	0.000	-5.41E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.47E+08
0.000	0.000	0.000	-5.41E+08
0.000	0.000	0.000	-5.36E+08
0.000	0.000	0.000	-5.34E+08
0.000	0.000	0.000	-3.26E+08
0.000	0.000	0.000	-5.19E+08
0.000	0.000	0.000	-4.07E+08
0.000	0.000	0.000	-4.37E+08
0.000	0.000	0.000	4.97E+09
0.000	0.000	0.000	2.27E+09
0.000	0.000	0.000	-4.52E+08
0.000	0.000	0.000	-2.41E+08
0.000	0.000	0.000	-4.39E+08
0.000	0.000	0.000	-3.28E+08
0.000	0.000	0.000	-4.10E+08
0.000	0.000	0.000	-4.85E+08
0.000	0.000	0.000	-5.12E+08

0.000	0.000	0.000	-5.11E+08
0.000	0.000	0.000	-4.95E+08
0.000	0.000	0.000	-4.87E+08
0.000	0.000	0.000	-4.93E+08
0.000	0.000	0.000	-4.90E+08
0.000	0.000	0.000	-4.99E+08
0.000	0.000	0.000	-4.88E+08
0.000	0.000	0.000	-4.79E+08
0.000	0.000	0.000	-4.80E+08
0.000	0.000	0.000	-4.68E+08
0.000	0.000	0.000	-4.61E+08
0.000	0.000	0.000	-4.54E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.59E+08
0.000	0.000	0.000	-4.48E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.48E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.49E+08
0.000	0.000	0.000	-4.43E+08
0.000	0.000	0.000	-4.50E+08
0.000	0.000	0.000	-4.37E+08
0.000	0.000	0.000	-4.26E+08
0.000	0.000	0.000	-4.10E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-4.05E+08
0.000	0.000	0.000	-4.11E+08
0.000	0.000	0.000	-3.97E+08
0.000	0.000	0.000	-3.75E+08
0.000	0.000	0.000	-3.61E+08
0.000	0.000	0.000	-2.80E+08
0.000	0.000	0.000	-2.17E+08
0.000	0.000	0.000	-2.96E+08
0.000	0.000	0.000	-1.93E+08
0.000	0.000	0.000	-1.09E+08
0.000	0.000	0.000	-5.53E+07
0.000	0.000	0.000	-4.73E+07
0.000	0.000	0.000	-1.44E+07
0.000	0.000	0.000	1.04E+07
0.000	0.000	0.000	8.49E+07
0.000	0.000	0.000	1.14E+08
0.000	0.000	0.000	1.85E+08
0.000	0.000	0.000	2.52E+08
0.000	0.000	0.000	2.41E+08
0.000	0.000	0.000	2.55E+08
0.000	0.000	0.000	2.74E+08
0.000	0.000	0.000	4.28E+08
0.000	0.000	0.000	4.36E+08
0.000	0.000	0.000	4.50E+08
0.000	0.000	0.000	4.59E+08

0.000	0.000	0.000	4.69E+08
0.000	0.000	0.000	4.69E+08
0.000	0.000	0.000	5.73E+08
0.000	0.000	0.000	5.58E+08
0.000	0.000	0.000	5.87E+08
0.000	0.000	0.000	6.01E+08
0.000	0.000	0.000	6.44E+08
0.000	0.000	0.000	7.86E+08
0.000	0.000	0.000	7.84E+08
0.000	0.000	0.000	7.98E+08
0.000	0.000	0.000	8.54E+08
0.000	0.000	0.000	9.28E+08
0.000	0.000	0.000	9.54E+08
0.000	0.000	0.000	9.76E+08
0.000	0.000	0.000	1.01E+09
0.000	0.000	0.000	1.03E+09
0.000	0.000	0.000	1.13E+09
0.000	0.000	0.000	1.17E+09
0.000	0.000	0.000	1.16E+09
0.000	0.000	0.000	1.19E+09
0.000	0.000	0.000	1.27E+09
0.000	0.000	0.000	1.27E+09
0.000	0.000	0.000	1.30E+09
0.000	0.000	0.000	1.36E+09
0.000	0.000	0.000	1.43E+09
0.000	0.000	0.000	1.43E+09
0.000	0.000	0.000	1.44E+09
0.000	0.000	0.000	1.51E+09
0.000	0.000	0.000	1.55E+09
0.000	0.000	0.000	1.55E+09
0.000	0.000	0.000	1.56E+09
0.000	0.000	0.000	1.60E+09
0.000	0.000	0.000	1.69E+09
0.000	0.000	0.000	1.70E+09
0.000	0.000	0.000	1.71E+09
0.000	0.000	0.000	1.83E+09
0.000	0.000	0.000	1.83E+09
0.000	0.000	0.000	1.83E+09
0.000	0.000	0.000	1.84E+09
0.000	0.000	0.000	1.85E+09
0.000	0.000	0.000	2.01E+09
0.000	0.000	0.000	1.96E+09
0.000	0.000	0.000	1.95E+09
0.000	0.000	0.000	1.93E+09
0.000	0.000	0.000	2.15E+09
0.000	0.000	0.000	5.81E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.13E+09

0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.13E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.12E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.09E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.10E+09
0.000	0.000	0.000	4.86E+09
0.000	0.000	0.000	2.71E+09
0.000	0.000	0.000	4.95E+08
0.000	0.000	0.000	-5.26E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.69E+08
0.000	0.000	0.000	-5.34E+08
0.000	0.000	0.000	-4.68E+08
0.000	0.000	0.000	-4.68E+08
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	-5.72E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.50E+08
0.000	0.000	0.000	-5.53E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-3.18E+08
0.000	0.000	0.000	5.24E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.94E+09

0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.92E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.92E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.93E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	3.07E+09
0.000	0.000	0.000	-5.24E+08
0.000	0.000	0.000	-5.74E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.89E+08
0.000	0.000	0.000	-5.84E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	1.75E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.13E+09
0.000	0.000	0.000	-1.82E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.64E+08

0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.63E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.71E+08
0.000	0.000	0.000	-5.69E+08
0.000	0.000	0.000	-5.65E+08
0.000	0.000	0.000	-5.63E+08
0.000	0.000	0.000	-5.16E+08
0.000	0.000	0.000	-5.40E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.63E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.59E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-5.69E+08
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.49E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.46E+08
0.000	0.000	0.000	-5.53E+08
0.000	0.000	0.000	-5.55E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.65E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.51E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.67E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.67E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.54E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.52E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.64E+08

0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.65E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.59E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.78E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-5.77E+08
0.000	0.000	0.000	-5.72E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.65E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-5.76E+08
0.000	0.000	0.000	-5.78E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.67E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.69E+08
0.000	0.000	0.000	-5.76E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-5.74E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.74E+08
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-5.67E+08
0.000	0.000	0.000	-5.68E+08
0.000	0.000	0.000	-5.69E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.78E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.79E+08
0.000	0.000	0.000	-5.76E+08
0.000	0.000	0.000	-5.79E+08
0.000	0.000	0.000	-3.05E+07
0.000	0.000	0.000	-5.28E+08
0.000	0.000	0.000	-5.58E+08
0.000	0.000	0.000	-5.64E+08
0.000	0.000	0.000	-5.68E+08

0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.36E+08
0.000	0.000	0.000	-5.65E+08
0.000	0.000	0.000	-5.55E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-3.98E+08
0.000	0.000	0.000	-5.28E+08
0.000	0.000	0.000	-5.53E+08
0.000	0.000	0.000	-5.49E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.74E+08
0.000	0.000	0.000	-5.80E+08
0.000	0.000	0.000	-5.61E+08
0.000	0.000	0.000	-5.62E+08
0.000	0.000	0.000	-5.18E+08
0.000	0.000	0.000	-5.19E+08
0.000	0.000	0.000	-5.50E+08
0.000	0.000	0.000	-5.60E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.48E+08
0.000	0.000	0.000	-5.52E+08
0.000	0.000	0.000	-5.15E+08
0.000	0.000	0.000	-5.63E+08
0.000	0.000	0.000	-5.48E+08
0.000	0.000	0.000	-5.37E+08
0.000	0.000	0.000	-5.34E+08
0.000	0.000	0.000	-5.40E+08
0.000	0.000	0.000	-5.32E+08
0.000	0.000	0.000	-5.47E+08
0.000	0.000	0.000	-5.42E+08
0.000	0.000	0.000	-5.36E+08
0.000	0.000	0.000	-4.77E+08
0.000	0.000	0.000	-4.85E+08
0.000	0.000	0.000	-4.88E+08
0.000	0.000	0.000	-4.81E+08
0.000	0.000	0.000	-5.57E+08
0.000	0.000	0.000	-5.70E+08
0.000	0.000	0.000	-5.59E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.66E+08
0.000	0.000	0.000	-5.56E+08
0.000	0.000	0.000	-5.40E+08
0.000	0.000	0.000	-4.81E+08
0.000	0.000	0.000	-5.26E+08
0.000	0.000	0.000	-5.27E+08
0.000	0.000	0.000	-5.23E+08
0.000	0.000	0.000	-5.18E+08
0.000	0.000	0.000	-5.08E+08
0.000	0.000	0.000	-4.93E+08
0.000	0.000	0.000	-5.01E+08
0.000	0.000	0.000	-5.01E+08

0.000	0.000	0.000	-5.05E+08
0.000	0.000	0.000	-4.99E+08
0.000	0.000	0.000	-4.84E+08
0.000	0.000	0.000	-4.85E+08
0.000	0.000	0.000	-4.85E+08
0.000	0.000	0.000	-4.53E+08
0.000	0.000	0.000	-4.84E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.70E+08
0.000	0.000	0.000	-4.77E+08
0.000	0.000	0.000	-4.84E+08
0.000	0.000	0.000	-4.89E+08
0.000	0.000	0.000	-4.84E+08
0.000	0.000	0.000	-4.83E+08
0.000	0.000	0.000	-4.74E+08
0.000	0.000	0.000	-4.73E+08
0.000	0.000	0.000	-4.71E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.69E+08
0.000	0.000	0.000	-4.77E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.48E+08
0.000	0.000	0.000	-4.40E+08
0.000	0.000	0.000	-4.44E+08
0.000	0.000	0.000	-4.47E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.53E+08
0.000	0.000	0.000	-4.60E+08
0.000	0.000	0.000	-4.47E+08
0.000	0.000	0.000	-4.31E+08
0.000	0.000	0.000	-4.20E+08
0.000	0.000	0.000	-4.08E+08
0.000	0.000	0.000	-4.01E+08
0.000	0.000	0.000	-4.12E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-4.24E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-4.33E+08
0.000	0.000	0.000	-4.48E+08
0.000	0.000	0.000	-4.41E+08
0.000	0.000	0.000	-4.55E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.54E+08
0.000	0.000	0.000	-4.52E+08
0.000	0.000	0.000	-4.46E+08
0.000	0.000	0.000	-4.36E+08
0.000	0.000	0.000	-4.30E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-4.26E+08
0.000	0.000	0.000	-4.11E+08
0.000	0.000	0.000	-4.12E+08
0.000	0.000	0.000	-4.29E+08

0.000	0.000	0.000	-4.42E+08
0.000	0.000	0.000	-4.40E+08
0.000	0.000	0.000	-4.44E+08
0.000	0.000	0.000	-4.44E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-4.21E+08
0.000	0.000	0.000	-4.19E+08
0.000	0.000	0.000	-4.06E+08
0.000	0.000	0.000	-3.98E+08
0.000	0.000	0.000	-3.94E+08
0.000	0.000	0.000	-3.95E+08
0.000	0.000	0.000	-3.81E+08
0.000	0.000	0.000	-4.00E+08
0.000	0.000	0.000	-4.30E+08
0.000	0.000	0.000	-4.37E+08
0.000	0.000	0.000	-4.58E+08
0.000	0.000	0.000	-4.54E+08
0.000	0.000	0.000	-4.52E+08
0.000	0.000	0.000	-4.46E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-4.22E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-4.34E+08
0.000	0.000	0.000	-4.30E+08
0.000	0.000	0.000	-4.26E+08
0.000	0.000	0.000	-4.19E+08
0.000	0.000	0.000	-4.03E+08
0.000	0.000	0.000	-4.10E+08
0.000	0.000	0.000	-4.16E+08
0.000	0.000	0.000	-4.10E+08
0.000	0.000	0.000	-4.12E+08
0.000	0.000	0.000	-4.11E+08
0.000	0.000	0.000	-4.17E+08
0.000	0.000	0.000	-4.19E+08
0.000	0.000	0.000	-4.32E+08
0.000	0.000	0.000	-4.42E+08
0.000	0.000	0.000	-4.66E+08
0.000	0.000	0.000	-4.72E+08
0.000	0.000	0.000	-4.75E+08
0.000	0.000	0.000	-4.11E+08
0.000	0.000	0.000	1.33E+09
0.000	0.000	0.000	9.52E+08
0.000	0.000	0.000	2.51E+08
0.000	0.000	0.000	-4.48E+08
0.000	0.000	0.000	-6.67E+07
0.000	0.000	0.000	5.64E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09

0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.69E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	6.00E+09

0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.94E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.95E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.97E+09

0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.96E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.97E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.99E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	5.98E+09
0.000	0.000	0.000	6.00E+09
0.000	0.000	0.000	6.01E+09
0.000	0.000	0.000	6.04E+09
0.000	0.000	0.000	6.06E+09
0.000	0.000	0.000	6.08E+09
0.000	0.000	0.000	6.11E+09
0.000	0.000	0.000	6.14E+09
0.000	0.000	0.000	6.17E+09
0.000	0.000	0.000	6.19E+09
0.000	0.000	0.000	6.20E+09
0.000	0.000	0.000	6.39E+09
0.000	0.000	0.000	6.41E+09
0.000	0.000	0.000	6.42E+09
0.000	0.000	0.000	6.44E+09
0.000	0.000	0.000	6.47E+09
0.000	0.000	0.000	6.49E+09
0.000	0.000	0.000	6.54E+09
0.000	0.000	0.000	6.65E+09
0.000	0.000	0.000	6.67E+09
0.000	0.000	0.000	6.72E+09
0.000	0.000	0.000	6.75E+09
0.000	0.000	0.000	6.92E+09
0.000	0.000	0.000	6.86E+09
0.000	0.000	0.000	6.88E+09
0.000	0.000	0.000	6.90E+09
0.000	0.000	0.000	6.41E+09

Data from Hector's Spreadsheet (12

MIT Method	From EvapLoss_segment_2003 file				
2 Units Rated Evap, ac-ft	3 Units Rated Evap, ac-ft	Historical 2 Units Evap, ac-ft	DATE	AIRTEMP 10m, F	RELATIVE HUMIDITY
144.0488179	207.9554315	79.58911607	10/1/1978	64.3	0.99
226.4469682	310.6592749	131.0063748	10/2/1978	64.92	0.83
185.5800081	253.157962	114.5225722	10/3/1978	61.91	0.83
143.4782286	207.265044	85.72164665	10/4/1978	63.51	0.98
125.0897627	189.4280215	64.42077236	10/5/1978	65.76	0.95
200.2947329	275.6472825	133.6201899	10/6/1978	66.37	0.71
255.944232	331.4090966	197.1136958	10/7/1978	55.39	0.68
266.1528311	341.7916586	206.8579163	10/8/1978	53.07	0.68
212.4236093	275.5219429	166.3817718	10/9/1978	48.86	0.72
168.1105916	225.5989804	123.799765	10/10/1978	54.16	0.76
136.644947	190.2340309	96.17812864	10/11/1978	56.86	0.8
119.3794286	180.0636604	75.23267697	10/12/1978	64.46	0.82
122.6790946	195.109718	69.81157412	10/13/1978	69.43	0.77
148.2574594	220.8910235	92.48349069	10/14/1978	65.88	0.79
243.6558044	313.9798746	189.2260514	10/15/1978	51.73	0.67
200.7123797	264.9118059	153.9353604	10/16/1978	51.22	0.79
232.7761609	307.8914272	175.1563687	10/17/1978	49.66	0.91
161.4522402	214.5249509	118.7419248	10/18/1978	49.6	0.8
157.8438965	213.3439615	111.2250849	10/19/1978	53.95	0.81
163.2289235	223.7201985	117.7407165	10/20/1978	55.66	0.72
130.4875283	181.578079	95.11351597	10/21/1978	55.69	0.77
109.4572054	161.73915	70.78457349	10/22/1978	62.19	0.75
108.3785825	166.9300053	65.23815895	10/23/1978	66.24	0.7
230.5681404	299.9406684	174.6121647	10/24/1978	48.82	0.68
193.1332062	252.989918	142.0411657	10/25/1978	51.66	0.65
123.3561962	193.7025335	63.31012892	10/26/1978	67.63	0.7
139.3868707	198.1294944	98.68999468	10/27/1978	62.22	0.63
120.5712712	167.8209437	88.5508294	10/28/1978	54.44	0.8
143.5217673	201.4083682	105.6444807	10/29/1978	56.38	0.75

179.1305239	245.3576845	133.4834474	10/30/1978	54.14	0.76
115.7290611	163.3277249	81.03192658	10/31/1978	55.54	0.8
122.4311945	169.7283048	88.98778263	11/1/1978	54.67	0.76
97.76238534	139.1737983	69.64382973	11/2/1978	52.02	0.81
141.858131	193.3932608	101.8731973	11/3/1978	54.1	0.63
126.757419	189.9650914	80.7683155	11/4/1978	55.05	0.93
106.6612089	153.3275133	70.86371647	11/5/1978	57.88	0.69
95.34993021	138.6160116	62.42584219	11/6/1978	57.89	0.7
102.9909381	159.2578934	59.20203447	11/7/1978	64.38	0.62
130.2199033	190.0343368	86.27116685	11/8/1978	51.76	0.94
88.12861099	126.1414023	58.7703508	11/9/1978	50.38	0.88
76.71605334	117.872665	46.19370895	11/10/1978	54.86	0.92
67.2300022	111.4703272	38.13581577	11/11/1978	55.98	0.98
88.95272477	135.8249419	55.29353725	11/12/1978	55.27	0.87
86.50263107	136.7372558	51.75278415	11/13/1978	56.04	0.91
81.96777251	128.8080493	49.42592844	11/14/1978	57.2	0.84
45.71616657	88.99212157	17.83058481	11/15/1978	60.63	0.97
120.7272915	183.9599345	77.42947617	11/16/1978	51.59	1
75.94464263	126.2579782	41.78184275	11/17/1978	55.57	0.99
68.5136287	132.0192485	28.26100564	11/18/1978	65.97	0.78
139.0382282	192.9697238	102.4689492	11/19/1978	47.63	0.79
130.893737	180.1950654	95.4331416	11/20/1978	46.91	0.81
109.6416832	159.2043416	75.63666616	11/21/1978	50.02	0.86
129.1878314	186.8397489	89.06378812	11/22/1978	49.27	0.9
113.5021886	168.529318	75.68141203	11/23/1978	49.33	0.96
140.00373	203.525844	96.20766011	11/24/1978	55.15	0.72
184.7959951	245.3395082	144.5747018	11/25/1978	40.58	0.71
139.9744002	186.6009984	107.4217977	11/26/1978	39.9	0.72
133.591475	185.1643129	98.09040444	11/27/1978	40.18	0.97
99.88887463	150.3590048	66.46409487	11/28/1978	51.21	0.81
124.4012854	172.6645609	90.82109465	11/29/1978	41.34	0.88
75.68053947	113.4520548	50.31784684	11/30/1978	45.11	0.97
113.0921494	157.632206	83.61144069	12/1/1978	41.53	0.78
88.36878448	127.7984558	62.75486649	12/2/1978	43.63	0.8
82.52026892	125.6987324	53.17771531	12/3/1978	46.8	0.91
9.86716207	40.78196832	0.293320611	12/4/1978	65.41	0.94
64.67837279	108.8527578	38.02924011	12/5/1978	50.43	0.93
87.45997771	131.330045	57.79760224	12/6/1978	48.77	0.8
69.225794	111.4661593	43.22431912	12/7/1978	50.41	0.82
10.32138389	37.83413641	0.151717557	12/8/1978	66.49	0.89
65.95015537	135.4103708	20.83471226	12/9/1978	57.78	0.91
198.9999171	259.1113075	158.1040058	12/10/1978	31.54	0.63
127.0645993	167.2236277	98.61120414	12/11/1978	29.38	0.71
97.48745055	133.2672491	73.16749349	12/12/1978	33.37	0.78
154.6623444	211.9030361	115.847684	12/13/1978	43.07	0.59
185.5228316	245.5902107	140.5793175	12/14/1978	37.8	0.48
168.5477359	223.6692006	126.3109519	12/15/1978	40.81	0.5
105.238544	150.0847454	75.57235103	12/16/1978	42.65	0.67
194.0820467	264.5249343	145.4593075	12/17/1978	45.18	0.52
166.0096171	221.7655615	125.7145416	12/18/1978	40.47	0.44
94.0484942	128.2341757	67.72122111	12/19/1978	41.16	0.54
86.92319182	132.6017709	55.11520086	12/20/1978	43.92	0.83

97.98269962	156.8590536	55.03614986	12/21/1978	52.32	0.65
100.99386	138.1839884	73.1938125	12/22/1978	36.29	0.65
73.56844521	105.0667157	50.85339005	12/23/1978	38.04	0.74
70.80747176	114.6029533	42.79887684	12/24/1978	40.65	1
130.9819068	189.4115145	90.7002721	12/25/1978	44.02	0.64
101.3281805	144.0198016	70.35421889	12/26/1978	43.06	0.58
139.8291671	187.9796946	106.1582336	12/27/1978	35.34	0.53
127.6359892	173.0239469	98.32535885	12/28/1978	26.64	0.71
100.9311466	137.1013232	75.73553055	12/29/1978	27.55	0.7
59.36452454	85.54207868	41.6167016	12/30/1978	33.33	0.69
29.44553852	55.87060868	13.12719179	12/31/1978	43.79	0.96
4.28033972	18.80060214	0	1/1/1979	61.16	0.9
13.61069435	61.51714457	0	1/2/1979	53.79	0.96
183.4484541	241.2399733	131.1031521	1/3/1979	19.43	0.6
124.3173987	169.0875363	83.74302852	1/4/1979	23.08	0.7
84.30737442	120.2462756	52.29660635	1/5/1979	31.93	0.68
64.37599375	101.8974765	29.3306176	1/6/1979	34.9	0.97
23.49513346	61.00564786	0	1/7/1979	47.49	0.99
66.07513924	117.5068706	18.59975491	1/8/1979	44.22	0.84
110.2304243	155.1369818	66.47015433	1/9/1979	26.22	0.67
78.36068547	112.0198407	43.8159816	1/10/1979	27.42	0.74
125.0147196	177.0652368	72.64841114	1/11/1979	26.44	0.78
110.0300575	159.1639628	58.80388519	1/12/1979	26.4	0.88
76.60821371	119.0588304	29.74415424	1/13/1979	31.73	1
86.17668599	139.5249361	29.03707801	1/14/1979	38.96	0.81
98.15299908	136.3791499	55.83659117	1/15/1979	29.7	0.59
86.39456765	125.6625346	56.12629096	1/16/1979	35.74	0.57
57.38804307	96.48233635	27.12734115	1/17/1979	41.88	0.7
115.1109838	168.7666267	73.29451323	1/18/1979	37.84	0.58
102.862164	142.2878807	69.6624291	1/19/1979	23.2	0.67
47.94199371	75.91181619	27.23361072	1/20/1979	30.22	1
14.72225506	60.30630831	0.55952762	1/21/1979	51.32	0.85
76.40897958	123.9468641	41.39333578	1/22/1979	39.03	0.74
53.97050609	85.64613957	27.7388509	1/23/1979	35.88	0.83
9.36996465	43.75143599	0	1/24/1979	51.85	0.92
131.017129	192.4828629	84.88928793	1/25/1979	36.69	0.57
97.16694703	144.2288255	59.07123029	1/26/1979	39.5	0.59
50.41248073	82.66536037	25.00638734	1/27/1979	39.93	0.73
80.35158415	129.7941101	38.08470324	1/28/1979	38.47	0.78
108.6142558	164.3732426	52.63591334	1/29/1979	40.9	0.57
97.15541822	141.8398987	54.49359841	1/30/1979	35.53	0.62
67.04301854	101.4555956	34.00553638	1/31/1979	29.07	0.87
157.81086	216.9245115	99.98243576	2/1/1979	30.84	0.47
117.3123054	163.3873301	74.35093253	2/2/1979	30.38	0.49
62.25988891	90.6148357	33.79556142	2/3/1979	27.07	0.77
68.34386575	106.3981816	31.49958543	2/4/1979	39.46	0.58
111.6251732	153.4407104	78.21654041	2/5/1979	28.72	0.37
83.63310053	111.8842108	53.94065476	2/6/1979	23.95	0.54
85.20728251	120.1994476	47.40168843	2/7/1979	24.81	0.97
70.73533548	100.0749958	43.20030201	2/8/1979	27.12	0.76
135.3565583	176.9828245	95.53130771	2/9/1979	20.01	0.73
107.4325109	146.4008986	77.88696923	2/10/1979	14.97	0.58

91.49954903	124.0690778	65.19072758	2/11/1979	13.58	0.65
80.45846835	119.212135	50.56681274	2/12/1979	25.17	0.8
114.3862703	158.4488295	77.30961813	2/13/1979	17.71	0.7
73.47659046	104.3788591	48.52508286	2/14/1979	19.17	0.72
58.52706361	93.04904147	32.19625984	2/15/1979	28.16	0.93
79.93271274	124.6867207	46.46110585	2/16/1979	28.22	0.85
141.4221094	191.6258389	99.66757201	2/17/1979	13.91	0.62
124.3380687	168.3331275	88.28864234	2/18/1979	9.23	0.78
97.89495771	143.2208766	52.86334569	2/19/1979	24.82	0.8
50.32011789	76.1856236	31.90783172	2/20/1979	25.97	0.74
20.64593075	47.65314777	7.302760746	2/21/1979	40.11	0.95
11.30964126	31.95562331	4.496787976	2/22/1979	43.08	0.9
16.63829558	45.47673335	5.676809908	2/23/1979	41.43	0.91
16.33666581	50.22993447	3.756257784	2/24/1979	40.52	1
20.84521202	64.3958415	2.155945735	2/25/1979	41.35	1
26.01010507	65.15641608	5.707969003	2/26/1979	40.38	0.97
43.66498917	80.63242239	18.01325021	2/27/1979	40.62	0.76
23.6435653	48.55892267	7.498721855	2/28/1979	42.63	0.74
18.31634105	48.09195692	6.815126136	3/1/1979	45.96	0.8
11.81302511	38.19123812	4.729842848	3/2/1979	49.81	0.81
30.69257941	70.39200749	13.59816332	3/3/1979	43.64	0.9
8.48861421	36.05908271	1.385687023	3/4/1979	56.72	0.82
0.091030534	13.060834	0	3/5/1979	61.81	0.9
4.358147258	20.49253759	0.091030534	3/6/1979	56.61	0.95
42.84924202	85.16316803	17.15209726	3/7/1979	46.38	0.74
31.84188337	66.69278345	10.0197163	3/8/1979	46.62	0.76
25.68973939	68.00397059	8.98346788	3/9/1979	51.85	0.78
48.11408874	108.511252	16.42959361	3/10/1979	57.98	0.62
103.4867139	166.2329518	58.05383274	3/11/1979	38.92	0.77
92.31734826	142.3130897	53.81221901	3/12/1979	39.71	0.62
71.24883925	132.9848085	32.69269144	3/13/1979	50.95	0.64
48.62992799	119.7837399	16.41079557	3/14/1979	57.52	0.7
138.557433	199.9067082	93.26632029	3/15/1979	37.66	0.53
88.81383038	129.1985104	58.47063989	3/16/1979	34.96	0.59
55.59860873	90.64492955	28.46510658	3/17/1979	45.88	0.55
73.37049548	123.8997706	38.29194213	3/18/1979	50.97	0.57
65.16578745	105.7418324	33.72236341	3/19/1979	46.64	0.63
70.27815207	113.1908972	34.11186671	3/20/1979	48.47	0.6
82.40202094	136.0514023	37.40838976	3/21/1979	51.35	0.57
60.11844333	106.427918	26.76081915	3/22/1979	52.38	0.67
51.29861961	112.9931708	9.450200814	3/23/1979	56.08	0.79
32.02847993	104.0057288	6.120150026	3/24/1979	58.43	0.89
97.44918604	157.3412391	54.53255915	3/25/1979	49.95	0.74
114.7571812	169.7942251	78.81631345	3/26/1979	45.87	0.67
95.96174028	142.4740309	65.97244905	3/27/1979	43.25	0.72
119.6875271	174.0196106	81.35802972	3/28/1979	45.65	0.63
46.55438121	96.4244963	17.41357838	3/29/1979	64.76	0.65
27.61622574	79.30635475	8.843488714	3/30/1979	71.99	0.57
26.8531741	75.67383519	0.727593372	3/31/1979	72.9	0.59
12.22233483	44.57701473	1.302168708	4/1/1979	68.41	0.79
22.57714134	71.64924267	0.628012199	4/2/1979	67.83	0.77
51.82470943	108.4225365	7.375679919	4/3/1979	58.29	0.96

94.14954995	150.5972778	37.39146453	4/4/1979	49.93	1
126.0169406	193.1935737	57.13428589	4/5/1979	56.1	0.69
244.7072431	330.4056092	166.3226705	4/6/1979	51.63	0.43
185.2275919	246.7631109	124.7734158	4/7/1979	45.45	0.42
133.5615947	192.6483757	72.29807288	4/8/1979	53.5	0.58
139.4102708	222.7890746	47.78113431	4/9/1979	58.5	0.7
133.913678	187.912992	78.12100813	4/10/1979	49.05	0.61
93.03925592	141.889178	36.80974031	4/11/1979	55.77	0.7
31.19402964	79.52483292	0	4/12/1979	66.59	0.78
98.30155909	164.198429	26.15083747	4/13/1979	53.58	1
138.8888956	202.3350985	64.3553225	4/14/1979	52.91	0.8
182.536046	250.7054755	95.67015445	4/15/1979	57.37	0.55
173.1853011	235.8687032	101.8568771	4/16/1979	51.28	0.62
162.3184738	220.8170715	92.81816428	4/17/1979	51.94	0.62
156.1993967	214.4120736	87.55199535	4/18/1979	55.36	0.53
151.368048	206.1424735	86.61256205	4/19/1979	55.63	0.47
132.4271505	181.7313278	75.59153952	4/20/1979	54.44	0.51
129.6647618	186.2511182	62.9082196	4/21/1979	59.45	0.54
39.40644411	83.27247986	7.767334762	4/22/1979	66.43	0.69
42.11310275	88.51176783	2.629495584	4/23/1979	69.23	0.72
23.32715458	63.66650842	0.277239108	4/24/1979	65.92	0.93
42.03626766	97.27887039	1.789956138	4/25/1979	68.46	0.84
56.83560576	118.3199226	1.454582426	4/26/1979	63.39	0.98
38.60575671	89.21474761	0.829058452	4/27/1979	67.15	0.91
123.3863812	185.9543257	50.18895989	4/28/1979	59.49	0.82
153.0477636	211.5176777	86.49324646	4/29/1979	55.77	0.67
124.4999385	179.4068183	61.81206778	4/30/1979	59.72	0.7
164.0740569	229.5782007	90.50435079	5/1/1979	62.1	0.56
142.8130724	202.7758656	70.41337481	5/2/1979	61.07	0.65
123.4612624	195.6035254	53.47081857	5/3/1979	67.63	0.7
50.86657865	112.3346518	13.25361953	5/4/1979	68.92	0.93
196.7807686	266.8648059	112.6024392	5/5/1979	57.13	0.72
146.1784217	205.123146	87.83739401	5/6/1979	60.1	0.76
107.1622094	165.5782989	44.28883681	5/7/1979	67.43	0.76
53.87384396	107.1025096	13.66299371	5/8/1979	72.55	0.82
53.98164389	112.6789688	14.00275221	5/9/1979	74.03	0.81
47.26498487	101.8138568	6.178637131	5/10/1979	71.65	0.95
30.93414489	70.78643519	3.430776993	5/11/1979	75.31	0.86
56.82699243	112.8969814	9.049044411	5/12/1979	73.05	0.93
77.98139565	146.3686663	12.62610507	5/13/1979	72.66	0.91
152.2573312	218.5088902	71.88384341	5/14/1979	62.05	0.95
131.4516578	188.141475	67.4064058	5/15/1979	65.41	0.78
228.2126027	309.7348499	123.3676593	5/16/1979	65.42	0.67
264.7852797	349.5864492	177.5800804	5/17/1979	61.42	0.64
251.9251233	340.4681627	145.0273908	5/18/1979	60.22	0.85
164.6156277	238.1532305	89.24367207	5/19/1979	60.67	1
117.3517512	176.8970327	57.15868371	5/20/1979	66.29	0.88
104.8708913	162.1047867	46.33112469	5/21/1979	67.01	0.9
69.77211865	118.3485348	20.64359287	5/22/1979	69.42	0.92
80.03326816	147.0526496	16.57859365	5/23/1979	72.75	0.93
98.69988285	171.8252572	29.32662282	5/24/1979	72.02	0.94
199.752898	272.690331	118.6409434	5/25/1979	66.62	0.8

321.3300806	401.2523771	231.3552643	5/26/1979	55.63	0.74
263.5342781	343.7665953	181.2435786	5/27/1979	65.96	0.66
149.0916536	214.8313664	83.00136578	5/28/1979	67.52	0.85
104.1767631	151.4236638	55.38151103	5/29/1979	70.51	0.77
127.0552003	185.2903428	72.05194574	5/30/1979	71.93	0.7
64.3605275	127.816527	16.1717988	5/31/1979	73.68	0.97
64.74902343	121.9365806	13.84143886	6/1/1979	76.67	0.89
79.97801546	135.7196476	26.29726774	6/2/1979	73.81	0.94
132.7416353	194.9268577	74.90181477	6/3/1979	68.79	0.95
196.8331662	270.9492688	131.505119	6/4/1979	65.68	0.94
129.4921403	182.5977767	83.94254362	6/5/1979	71.74	0.76
136.9507945	202.357756	78.27668811	6/6/1979	75.2	0.78
122.4288183	186.9261732	61.98772671	6/7/1979	76.82	0.79
132.2935908	195.6708378	79.25962315	6/8/1979	76.31	0.77
116.4808595	181.8621254	59.52877535	6/9/1979	78.4	0.8
138.9073584	210.1833255	76.76717467	6/10/1979	78.66	0.8
279.4383274	362.6347705	207.5117446	6/11/1979	69.08	0.78
239.7465199	301.10926	187.239192	6/12/1979	68.3	0.63
244.7391045	309.4698408	189.2491281	6/13/1979	69.29	0.64
268.0163162	336.6393359	214.8964517	6/14/1979	66.95	0.62
211.3348431	267.9839319	166.0350526	6/15/1979	67.47	0.61
191.1667519	256.8754188	140.9508312	6/16/1979	69.73	0.82
202.0920104	276.2942223	147.5341951	6/17/1979	70.11	0.87
155.5738231	220.1128189	107.3858855	6/18/1979	77.65	0.71
245.2913981	318.0151802	192.6828384	6/19/1979	70.35	0.73
222.2452767	284.6299912	178.199827	6/20/1979	68.59	0.67
243.9863872	307.8398399	194.7316734	6/21/1979	63.62	0.8
154.9669231	217.1260755	114.6098095	6/22/1979	75.92	0.76
166.1186913	231.3123672	121.2749832	6/23/1979	77.46	0.72
248.7940509	323.5696485	197.7532278	6/24/1979	66.38	0.88
290.8819629	361.872492	241.5511541	6/25/1979	62.5	0.75
251.871593	315.9515595	208.7145511	6/26/1979	64.06	0.74
197.5770887	253.4780628	161.8814848	6/27/1979	66.57	0.75
166.2156216	222.7142918	129.4878256	6/28/1979	70.55	0.77
169.7103542	238.1729515	127.2245517	6/29/1979	75.58	0.74
173.4507468	246.7688786	124.4563845	6/30/1979	75.47	0.82
191.0267087	260.3251215	146.9395335	7/1/1979	74.04	0.79
264.8544016	343.7166724	213.493548	7/2/1979	76.17	0.65
177.0709972	236.5220714	141.0811604	7/3/1979	75.37	0.68
185.6243416	249.3418698	143.1038821	7/4/1979	70.28	0.91
293.6855091	366.2954417	247.4289386	7/5/1979	68.22	0.66
229.5109016	285.0060225	191.3475356	7/6/1979	67.81	0.62
200.2450339	256.7391813	163.7227493	7/7/1979	70.26	0.72
164.7930698	220.0626481	130.1664917	7/8/1979	72.96	0.72
184.1092391	247.3349281	144.9715628	7/9/1979	73.8	0.72
147.8283409	201.6674659	114.5029069	7/10/1979	72.88	0.77
105.8458239	153.2233799	77.55442107	7/11/1979	75.1	0.83
105.7005375	164.2674182	67.01184763	7/12/1979	81.39	0.79
94.06476688	156.7618916	53.95789823	7/13/1979	81.62	0.87
126.0747873	187.9825536	87.21484925	7/14/1979	78.71	0.86
120.4256783	183.7824519	79.25394717	7/15/1979	78.88	0.92
142.8401343	209.6994541	100.4999049	7/16/1979	80.56	0.83

114.1030933	161.0487805	77.65489143	7/17/1979	79.58	0.87
118.0270696	156.2526193	83.6947537	7/18/1979	76.89	0.91
151.2855805	200.3941186	110.7311544	7/19/1979	75.71	0.95
128.4018036	169.8470383	91.77347792	7/20/1979	77.17	0.89
194.4169082	266.6942827	146.3624308	7/21/1979	72.27	1
132.7568323	192.7685704	94.80339057	7/22/1979	75.88	0.95
163.0622973	237.1126499	115.4775819	7/23/1979	78.88	0.89
180.6909306	262.3789419	133.2096035	7/24/1979	78.34	0.89
178.6570696	259.0998495	127.6812559	7/25/1979	80.88	0.84
194.6479068	277.4534877	142.7067785	7/26/1979	80.63	0.84
137.6757462	191.5442117	99.52494407	7/27/1979	80.11	0.87
135.2129291	179.3400428	97.26179675	7/28/1979	81.88	0.81
161.5505899	216.6258058	114.4712681	7/29/1979	80.91	0.89
230.9719987	301.4091749	174.5651566	7/30/1979	74.91	0.99
145.6876643	191.17344	103.732113	7/31/1979	78.93	0.94
137.4554695	177.5538596	111.3621816	8/1/1979	82.97	0.8
176.7435153	232.0109906	139.5210802	8/2/1979	79.38	0.91
166.0845144	214.9681318	130.4199307	8/3/1979	77.5	0.93
200.2065278	248.7668879	154.5210925	8/4/1979	79.93	0.8
187.299957	232.8184828	154.7197407	8/5/1979	81.07	0.76
184.778307	228.6193079	149.7354015	8/6/1979	82.72	0.7
198.6561532	245.9791243	165.478999	8/7/1979	80.12	0.79
218.7723073	272.3923541	178.9554695	8/8/1979	81.53	0.78
208.2587189	257.2406716	169.5745669	8/9/1979	78.89	0.83
211.4561027	266.1019117	163.7416333	8/10/1979	85.29	0.74
246.5764812	303.1479114	202.716213	8/11/1979	80.09	0.81
438.9046625	516.8929476	383.5767331	8/12/1979	64.97	0.97
345.4839642	408.2951704	301.7687253	8/13/1979	67.67	0.77
291.2223366	364.4181762	245.8330387	8/14/1979	73.33	0.72
361.3273291	447.3437014	313.8890685	8/15/1979	71.91	0.6
349.389587	431.876503	307.9270613	8/16/1979	65.23	0.67
247.1871037	310.9445781	213.3385023	8/17/1979	68.34	0.62
261.3954124	340.6230429	210.7194412	8/18/1979	70.2	0.78
131.8906848	194.3792312	99.71459274	8/19/1979	75.86	0.85
113.7338476	171.5193897	85.85602068	8/20/1979	77.63	0.84
203.2496612	286.6536233	155.8814576	8/21/1979	73.81	0.88
201.0430627	275.8824437	158.4206863	8/22/1979	72.54	0.84
163.3635077	232.4125978	120.9077507	8/23/1979	76.41	0.85
142.3704931	211.0044806	102.340311	8/24/1979	79.66	0.8
154.9252608	226.1895168	119.2458484	8/25/1979	80.38	0.77
144.3367848	216.9980623	108.6241164	8/26/1979	82.38	0.75
165.1205306	242.4042308	121.1934913	8/27/1979	79.84	0.83
135.3135122	197.9023989	102.9057541	8/28/1979	76.32	0.93
118.2062258	173.7330425	85.14924637	8/29/1979	78.61	0.88
115.3136076	169.0086927	86.83990184	8/30/1979	79.74	0.8
174.0470538	240.2590412	137.9957455	8/31/1979	79	0.75
163.4909278	230.7704637	126.8006965	9/1/1979	77.2	0.84
163.2135324	231.7124376	121.5367106	9/2/1979	76.72	0.9
147.7185497	210.2997729	109.6794117	9/3/1979	75.71	0.92
134.2679806	195.1739377	97.07337086	9/4/1979	77.12	0.89
241.2432651	350.1817369	177.0653638	9/5/1979	75.98	0.97
214.5192259	302.7753319	160.9215954	9/6/1979	80.61	0.77

141.5035936	193.1292743	108.2286343	9/7/1979	77.63	0.77
337.213199	420.6515639	283.7724658	9/8/1979	69.12	0.75
307.1302136	385.9913766	257.9014869	9/9/1979	66.13	0.77
189.2094121	242.9631933	151.8971661	9/10/1979	69	0.77
151.2778742	202.421789	116.833103	9/11/1979	72.06	0.78
184.5693808	252.4044804	141.1235118	9/12/1979	71.92	0.84
195.7049148	273.7643449	140.0858511	9/13/1979	73.11	0.89
188.0680305	276.0120568	117.2666325	9/14/1979	78.73	0.83
258.3905227	325.6693248	197.6390068	9/15/1979	67.77	0.68
257.8008191	322.155002	197.5990236	9/16/1979	64.56	0.72
197.6761893	256.6144361	149.480373	9/17/1979	64.99	0.77
172.5229643	225.5918689	122.3947856	9/18/1979	67.32	0.74
256.7366517	331.5808792	192.5030513	9/19/1979	69.91	0.68
243.0283566	311.5208239	180.8076688	9/20/1979	63.71	0.76
181.8869807	255.3353356	118.6373113	9/21/1979	70.74	0.91
162.3939166	237.5285849	101.2522219	9/22/1979	70.61	0.95
302.2477179	389.0637073	213.1841782	9/23/1979	62.55	0.89
278.4324197	356.112991	197.6966611	9/24/1979	62.38	0.83
205.921663	272.2567477	128.4327603	9/25/1979	62.82	0.96
125.8846837	177.1334223	62.05481097	9/26/1979	68.29	0.88
144.9046123	199.8041933	75.27111643	9/27/1979	69.99	0.78
78.48091978	128.1343611	18.92516919	9/28/1979	72.32	0.93
52.7904965	93.87743418	7.29831891	9/29/1979	73.06	0.98
88.49517302	147.0735695	15.67209884	9/30/1979	71.78	0.99
109.5612506	166.9922247	40.45443167	10/1/1979	71.35	0.9
119.8675956	176.3806389	46.14571801	10/2/1979	71.94	0.86
223.0401769	294.0125076	134.0266999	10/3/1979	66.13	0.78
186.5706549	249.2175827	109.9388915	10/4/1979	65.11	0.81
230.3670014	297.5705176	140.9375203	10/5/1979	60.06	0.87
279.6700216	350.2566089	186.8668252	10/6/1979	57.15	0.73
310.5796544	385.3293507	205.0004694	10/7/1979	58.96	0.62
239.9381676	303.2379349	150.789902	10/8/1979	57.66	0.71
237.3295164	314.0610659	124.8237924	10/9/1979	65.09	0.74
332.5244668	409.9564352	224.046922	10/10/1979	42.13	0.97
197.7024591	245.893251	119.5615947	10/11/1979	48.08	0.86
177.3746731	233.8897688	90.75549717	10/12/1979	59.46	0.8
164.3782243	218.8502279	86.91675311	10/13/1979	55.17	0.89
207.3962256	257.8083311	129.4246077	10/14/1979	47.26	0.76
174.6543592	221.461348	105.0078966	10/15/1979	50.09	0.74
118.7110109	159.6605254	60.80408356	10/16/1979	56.08	0.79
89.70891533	127.0773183	41.72134508	10/17/1979	61.03	0.77
65.24153244	99.3754376	19.27099535	10/18/1979	63	0.83
79.86218441	120.8127332	28.09808705	10/19/1979	62.61	0.82
57.87605052	103.2938725	5.776783227	10/20/1979	66.96	0.9
57.12802046	114.4653331	2.439771353	10/21/1979	71.37	0.83
78.95737144	137.3889434	15.30812186	10/22/1979	70.63	0.8
110.7609268	176.7860541	34.92350819	10/23/1979	67.27	0.85
207.9898207	268.4519881	137.6783787	10/24/1979	49.99	0.75
171.168311	218.9080241	111.4233402	10/25/1979	47.25	0.76
200.0521733	253.1113808	133.7136538	10/26/1979	43.57	0.75
190.8529139	242.295466	127.7562588	10/27/1979	42.5	0.69
182.0781143	243.2362302	102.9063661	10/28/1979	57.14	0.67

91.74486151	132.5665536	44.57822146	10/29/1979	57.55	0.76
133.0516116	184.3009964	67.49035381	10/30/1979	54.22	0.83
147.1950262	205.068767	78.2108172	10/31/1979	52.47	0.83
115.8591951	173.0503941	39.56867125	11/1/1979	60.7	0.82
62.39872612	115.3871404	1.531522742	11/2/1979	66.81	0.85
214.0790681	283.1488135	120.8207254	11/3/1979	50.58	0.83
170.8490766	222.1525932	103.3438152	11/4/1979	46.41	0.72
158.6020523	208.8078239	89.82266642	11/5/1979	46.42	0.82
125.0912846	170.7635112	66.02496677	11/6/1979	49.07	0.81
160.1892524	213.7718138	88.44654737	11/7/1979	50.38	0.71
124.2557437	169.3105329	66.91505786	11/8/1979	46.47	0.82
97.60344512	145.6642767	36.31564603	11/9/1979	56.91	0.8
26.2396299	73.65154212	0	11/10/1979	65.94	0.92
154.7937387	222.6083933	69.69527872	11/11/1979	50.31	0.95
177.9252496	243.337692	99.07565409	11/12/1979	46.33	0.89
139.7648173	197.3385416	65.08361404	11/13/1979	47.79	0.98
230.1412876	298.1801963	143.2581369	11/14/1979	44.12	0.68
148.0558817	194.9219591	89.30898636	11/15/1979	41.81	0.72
135.9410665	182.9766882	75.71385803	11/16/1979	46.83	0.74
129.3234425	178.6360137	71.80663154	11/17/1979	48.98	0.68
72.91239051	108.2466283	32.03895116	11/18/1979	54.69	0.67
63.23808768	97.05108236	24.7472181	11/19/1979	54.07	0.74
49.38046175	80.305472	15.95944053	11/20/1979	54.99	0.75
55.98826524	90.83076131	15.22917994	11/21/1979	55.99	0.75
68.98832647	115.2167791	15.03835931	11/22/1979	58.24	0.76
43.8751271	100.2977041	0	11/23/1979	65.24	0.78
25.88588293	77.9013829	0	11/24/1979	66.22	0.85
25.83989448	72.45976655	0	11/25/1979	63.31	0.93
68.36824904	143.3135787	0.293786992	11/26/1979	64.97	0.79
129.4781459	185.3529723	61.58138162	11/27/1979	55.08	0.61
146.3489524	212.3679825	62.35368096	11/28/1979	56.01	0.72
228.5137653	294.3473812	148.6212269	11/29/1979	38.85	0.56
189.5529117	242.6138375	122.3051099	11/30/1979	31.59	0.66
150.1494714	197.5638493	88.46918801	12/1/1979	34.83	0.71
232.243816	299.6281806	144.5453101	12/2/1979	35.23	0.6
164.6687608	215.4931722	99.26607872	12/3/1979	30.97	0.67
158.787318	206.646928	93.53929474	12/4/1979	39.29	0.52
130.2472387	178.0664855	70.99156625	12/5/1979	42.49	0.6
95.52908608	143.5115412	33.85456853	12/6/1979	48.18	0.79
74.37328829	114.8768628	24.33241531	12/7/1979	47.38	0.85
154.6711453	209.8261282	79.32072546	12/8/1979	45.22	0.58
104.2314541	141.5360227	57.57017828	12/9/1979	34.3	0.71
83.51473805	117.9441591	38.08406858	12/10/1979	42.24	0.73
86.33792655	130.1649794	33.97043904	12/11/1979	48.46	0.68
38.97027211	85.23839286	0.34389313	12/12/1979	56.99	0.8
22.11770853	66.10978204	0	12/13/1979	56.57	0.95
125.6206268	177.5194069	67.056438	12/14/1979	38.22	0.79
88.25101078	125.0771791	46.03409966	12/15/1979	36.76	0.78
62.39301746	99.9591484	19.72597927	12/16/1979	45.66	0.88
211.8981474	280.0274088	132.4657754	12/17/1979	32.56	0.59
88.92888313	120.3519432	52.64773254	12/18/1979	26.34	0.68
115.5621237	157.2101218	64.75641553	12/19/1979	33.54	0.7

122.1431208	180.7650041	59.77505077	12/20/1979	34.89	0.95
101.2940951	148.6548744	47.97462046	12/21/1979	36.05	0.91
46.82053693	74.70114531	17.06381429	12/22/1979	41.49	0.86
23.66334209	56.00823799	1.262630218	12/23/1979	52	0.87
6.917311449	34.63171757	0	12/24/1979	60.11	0.88
63.90241021	118.2414115	8.293874094	12/25/1979	52.6	0.74
88.28702479	134.1196256	32.24211643	12/26/1979	46.32	0.66
87.13334457	126.9086964	38.10000416	12/27/1979	38.2	0.78
94.65287771	136.79487	42.80885887	12/28/1979	41.28	0.62
70.5593795	104.9070319	26.10380404	12/29/1979	44.73	0.54
55.04271443	85.10557909	18.47725091	12/30/1979	41.88	0.71
86.27989716	129.6925801	34.7169085	12/31/1979	41.12	0.67
95.08103024	140.8913827	41.8545116	1/1/1980	38.76	0.7
109.130935	158.3672747	51.01376877	1/2/1980	37.79	0.68
71.15990555	105.4634401	31.59479233	1/3/1980	34.05	0.78
95.6215047	144.2516487	38.15804906	1/4/1980	35.66	0.88
128.2168877	189.5729571	57.88715419	1/5/1980	30.36	0.98
99.12704936	138.7909618	51.31034175	1/6/1980	25.33	0.85
114.3687319	168.156626	48.31079117	1/7/1980	34.96	0.83
59.18319518	94.12040181	21.51138458	1/8/1980	39.21	0.74
61.2429651	93.03276404	23.62302068	1/9/1980	36.45	0.76
56.38746333	86.89861384	23.28089798	1/10/1980	32.26	0.84
30.99652007	67.80497152	0.232633588	1/11/1980	46.54	0.91
94.34208183	142.8504029	32.15901927	1/12/1980	43.63	0.51
115.2621233	165.1493216	56.74387673	1/13/1980	34.14	0.62
63.14294957	114.6506654	6.317271029	1/14/1980	40.73	0.96
49.28297671	104.0366983	0	1/15/1980	48.79	0.8
54.05286331	90.04187234	12.22427405	1/16/1980	45.4	0.62
38.76350731	71.02895535	3.770960026	1/17/1980	43.12	0.85
30.18613253	68.88586197	0	1/18/1980	45.46	0.96
64.92962785	108.5342964	14.24047654	1/19/1980	42.48	0.75
53.35107685	87.95055072	14.46003245	1/20/1980	41.83	0.72
62.96391778	97.22011927	25.36990166	1/21/1980	37.31	0.67
52.11686935	97.33723213	5.523864609	1/22/1980	45.28	0.81
74.65360125	123.1871305	21.43106547	1/23/1980	41.83	0.75
127.8130559	181.1355896	68.36257541	1/24/1980	33.19	0.53
51.94278098	96.76787914	12.86991268	1/25/1980	49.11	0.6
68.92131937	110.0920154	23.01137141	1/26/1980	41.65	0.65
89.60433003	133.8849972	41.61382638	1/27/1980	37.59	0.58
58.3346101	91.70563265	21.50499707	1/28/1980	39.94	0.6
80.96834561	122.6886045	35.04878085	1/29/1980	37.03	0.64
135.0345169	188.3459132	80.78306398	1/30/1980	28.86	0.47
130.0467812	184.7876116	71.26886041	1/31/1980	25.75	0.75
165.5545881	224.4987598	100.6419472	2/1/1980	23.2	0.51
139.7565228	186.8840659	85.51792823	2/2/1980	23.88	0.49
105.4756076	139.6106556	61.85039142	2/3/1980	24.59	0.51
130.3037717	173.4482806	76.93687501	2/4/1980	28.57	0.52
80.84954416	112.0056451	43.96017925	2/5/1980	29.99	0.59
84.71196532	120.1080951	42.05962876	2/6/1980	29.56	0.88
119.0692345	165.8523922	64.28215371	2/7/1980	31.66	0.7
82.81164766	121.3802416	46.93816647	2/8/1980	34.87	0.58
40.86273547	66.46764215	18.19371853	2/9/1980	33.64	0.87

87.01266559	127.8227928	50.56786953	2/10/1980	29.91	0.75
75.30710128	110.8997199	45.45713683	2/11/1980	29.2	0.71
88.43781601	126.4225646	53.78909596	2/12/1980	32.83	0.55
72.00355185	104.6742959	44.7622305	2/13/1980	30.69	0.56
63.36572349	98.13287831	27.93712972	2/14/1980	39.62	0.54
49.96706073	84.81332924	20.02546252	2/15/1980	41.46	0.65
65.52632961	118.2467759	24.30186137	2/16/1980	45.3	0.66
113.8440472	160.5207087	73.27294589	2/17/1980	29	0.53
68.40664094	99.64899179	40.48952363	2/18/1980	29.61	0.63
46.71816679	74.89128693	22.93440967	2/19/1980	38.16	0.6
25.5276552	59.41226186	7.331885641	2/20/1980	48.99	0.64
17.89606858	44.86363341	0.643950043	2/21/1980	55.24	0.65
1.852657766	16.38280284	0	2/22/1980	61.14	0.79
7.620912858	33.02369163	0	2/23/1980	54.61	0.85
19.07486512	54.14071278	0.175411317	2/24/1980	53.54	0.75
63.92801326	114.7512019	16.40969987	2/25/1980	41.2	0.86
138.6518151	204.058756	74.75746092	2/26/1980	35.57	0.65
130.4038291	186.7301803	79.05484995	2/27/1980	37.08	0.51
91.92941119	140.6599203	50.86109785	2/28/1980	33.22	0.82
151.1937519	212.631823	98.82729829	2/29/1980	28.53	0.58
161.7868867	222.4680473	114.4751249	3/1/1980	15.85	0.76
197.5566333	258.8716347	130.9054619	3/2/1980	18.76	0.8
149.7428514	195.0335873	101.6303884	3/3/1980	26.96	0.44
95.74920373	133.7684014	60.36419047	3/4/1980	38.67	0.42
40.93028235	89.55601972	10.56825838	3/5/1980	48.69	0.73
48.78497951	87.70960913	18.37924784	3/6/1980	45.41	0.69
34.4895765	74.67142945	5.980739535	3/7/1980	53.19	0.64
0.819274809	15.56827975	0	3/8/1980	65.79	0.73
30.35272429	61.79356799	7.531349932	3/9/1980	57.78	0.57
33.08402253	72.43474769	6.632965067	3/10/1980	53.13	0.71
138.3552311	197.5088171	82.81225359	3/11/1980	48.54	0.37
130.9859712	176.7984233	86.98760211	3/12/1980	38.51	0.4
101.2356028	153.9597449	54.097251	3/13/1980	35.76	0.98
120.2268619	179.7323615	69.58020257	3/14/1980	44.47	0.61
93.8962532	140.3566447	53.29388621	3/15/1980	46.54	0.49
64.07490754	115.3891485	36.8693487	3/16/1980	54.7	0.48
12.58241494	52.59584105	1.658778626	3/17/1980	62.05	0.73
64.26087174	122.4345401	30.63189123	3/18/1980	55.55	0.58
73.64082503	112.76847	37.55400164	3/19/1980	46.63	0.58
39.90871585	85.18520175	9.765596462	3/20/1980	57.45	0.7
74.81907825	147.1989016	20.59008351	3/21/1980	60.33	0.65
244.7495099	327.1168898	178.7033958	3/22/1980	46.38	0.42
90.50324939	129.1585711	58.4934679	3/23/1980	46.59	0.57
53.74623546	96.03243426	19.05671786	3/24/1980	51.46	0.82
69.38045839	123.9137008	37.40036193	3/25/1980	54.72	0.67
89.55847091	130.4871186	60.58925771	3/26/1980	45.24	0.65
87.00832667	128.8651368	61.39706413	3/27/1980	47.39	0.63
76.29964755	124.4774943	47.37422616	3/28/1980	47.43	0.85
22.36369433	59.50924473	10.54376073	3/29/1980	58.5	0.84
28.53527454	73.07555387	12.26007844	3/30/1980	56.17	0.92
63.75483578	113.9444494	34.71328076	3/31/1980	50.06	0.95
101.4459911	153.0809574	70.44730498	4/1/1980	49.09	0.73

69.94703175	124.2075743	46.36885573	4/2/1980	58.07	0.65
65.18789257	122.4603209	37.13346039	4/3/1980	60.91	0.64
54.87852238	110.5949948	20.72520103	4/4/1980	66.96	0.64
179.10775	246.9007796	113.5952267	4/5/1980	55.75	0.4
100.1494302	146.4043655	46.72097708	4/6/1980	57.69	0.46
84.02489278	133.5085275	36.91293409	4/7/1980	59.2	0.61
69.55620995	133.9596562	20.40862751	4/8/1980	65.08	0.68
42.55984619	84.53697843	11.40386685	4/9/1980	69.09	0.67
86.77125908	144.6314969	66.58141201	4/10/1980	63.54	0.48
84.84631843	145.5483541	62.18058259	4/11/1980	64.5	0.48
87.11734875	145.154322	59.39762977	4/12/1980	64.17	0.6
70.20402269	120.8051357	34.84270587	4/13/1980	61.05	0.8
44.24660592	109.202336	25.23976915	4/14/1980	66.96	0.86
241.0078385	320.8974249	186.4126348	4/15/1980	55.74	0.49
249.5498009	321.0090576	200.5123311	4/16/1980	51.58	0.46
181.0823077	233.0360347	150.5429543	4/17/1980	47.74	0.42
133.4553258	182.648354	105.3482292	4/18/1980	56.26	0.51
102.5032686	150.7699821	67.97204909	4/19/1980	62.51	0.49
130.1060873	204.7559347	96.81389201	4/20/1980	67.71	0.48
120.1549294	177.9698422	79.7020598	4/21/1980	64.82	0.53
151.4027259	211.1697216	103.4866433	4/22/1980	66.48	0.39
110.5068956	159.1904457	75.4611582	4/23/1980	66.28	0.46
111.4058126	169.9466229	67.41031226	4/24/1980	66.91	0.65
92.18875059	147.7120195	55.17686037	4/25/1980	68.08	0.67
157.5529248	218.0815019	117.6368095	4/26/1980	55.92	0.82
83.98377146	134.8561103	54.18986134	4/27/1980	61.29	0.93
120.7235033	181.3115181	85.02290114	4/28/1980	57.96	0.95
109.4141989	162.0340143	82.39914187	4/29/1980	61.38	0.77
116.9187864	167.6448208	89.28339439	4/30/1980	58.16	0.79
127.2061857	194.0768591	91.39680614	5/1/1980	60.59	0.86
113.2149478	170.0643438	69.65223443	5/2/1980	64.32	0.72
94.75864119	138.9576036	62.14625002	5/3/1980	65.38	0.67
113.6240486	179.3329962	71.00113685	5/4/1980	72.55	0.51
93.98273782	159.1912792	54.00764428	5/5/1980	73.55	0.54
137.8620624	200.5111074	80.33707441	5/6/1980	72.38	0.53
154.8339807	217.4978884	99.14179045	5/7/1980	71.49	0.53
202.5009158	262.7060974	151.1813004	5/8/1980	53.56	0.8
243.5393737	307.651934	193.7724168	5/9/1980	51.18	0.65
218.4099894	281.7940838	171.3660564	5/10/1980	57.71	0.57
167.7037054	240.3039641	114.163525	5/11/1980	67.08	0.7
75.06838602	138.7048223	30.62711005	5/12/1980	76.29	0.69
97.335984	174.4775478	49.59787754	5/13/1980	76.82	0.65
180.4959828	263.0809298	118.8550178	5/14/1980	73.68	0.57
226.0892716	288.6088733	179.4967692	5/15/1980	62.14	0.54
190.1240119	243.4637798	148.0912064	5/16/1980	61.07	0.6
198.3460138	256.7744718	157.3491897	5/17/1980	61.73	0.65
106.272418	165.469946	64.02895992	5/18/1980	68.91	0.88
75.68584399	123.5547496	34.53300881	5/19/1980	73.6	0.78
90.92896753	143.7973336	57.19539134	5/20/1980	67.2	0.96
146.4423646	214.5818396	100.1142485	5/21/1980	66.08	0.9
88.60399905	132.9028567	58.66887535	5/22/1980	69.42	0.79
72.09899275	119.3186248	33.19172606	5/23/1980	72.88	0.85

62.77245054	111.6830569	19.76440277	5/24/1980	73.26	0.89
101.8932755	162.5482277	48.62081821	5/25/1980	71.21	0.89
256.7113957	332.7166854	183.9622958	5/26/1980	66.03	0.6
234.9104325	301.2989119	163.1976919	5/27/1980	64.53	0.57
136.3498901	187.2032844	82.75724705	5/28/1980	69.21	0.65
108.9372488	160.5488432	51.38604439	5/29/1980	75.01	0.68
107.5853938	170.2863487	47.94361722	5/30/1980	72.32	0.88
135.8066112	210.895342	59.12761892	5/31/1980	74.28	0.84
134.2311678	204.4225719	55.58867261	6/1/1980	76.89	0.77
168.7533752	250.4892802	75.54474426	6/2/1980	78.98	0.71
139.5504722	218.5321956	61.42029684	6/3/1980	81.1	0.69
295.6419586	379.332923	202.0881666	6/4/1980	72.64	0.58
265.700107	334.4053937	190.8587095	6/5/1980	68.39	0.58
196.5389011	262.7617884	136.7875507	6/6/1980	67.51	0.88
108.9593245	173.3369241	34.2655933	6/7/1980	80.06	0.78
267.1312006	359.4075065	149.5635366	6/8/1980	80.29	0.58
376.128944	458.9745622	294.5899609	6/9/1980	65.62	0.5
267.8076558	333.1187516	191.3642049	6/10/1980	68.5	0.64
218.4470022	278.6415799	157.2801219	6/11/1980	65.25	0.77
261.116186	323.3067806	201.2891104	6/12/1980	65.76	0.61
208.098389	262.8901262	157.4843552	6/13/1980	65.1	0.68
181.7427933	238.6115893	110.6520321	6/14/1980	70.89	0.66
166.418646	237.5701999	71.46000474	6/15/1980	80.5	0.64
211.9510041	286.2684026	149.1102713	6/16/1980	77.22	0.66
273.0544739	337.4726006	217.9310005	6/17/1980	67.21	0.62
218.8366381	273.4397959	162.6996688	6/18/1980	65.29	0.73
219.475462	278.889295	157.361654	6/19/1980	68.37	0.69
269.9761767	341.8094581	205.1571302	6/20/1980	72.72	0.59
225.8864654	284.1520491	177.5078101	6/21/1980	70.71	0.55
198.4159799	255.3980987	146.6221009	6/22/1980	73.59	0.56
214.7515773	284.7565457	159.5567631	6/23/1980	77.47	0.6
187.8960996	253.8012107	136.7870259	6/24/1980	75.71	0.68
181.3314363	244.9544266	122.4545123	6/25/1980	73.64	0.78
162.1951931	231.2711857	104.1394902	6/26/1980	71.75	0.96
138.4552374	197.1928743	64.41472991	6/27/1980	81.19	0.65
119.9469249	188.7252791	61.20627648	6/28/1980	84.99	0.62
151.5663923	229.7521155	79.34261832	6/29/1980	83.74	0.7
233.9549583	304.0281072	172.8280818	6/30/1980	78.21	0.63
206.7468907	259.7146546	162.2911821	7/1/1980	74.25	0.63
211.2686818	280.5916806	157.2807414	7/2/1980	81.27	0.66
180.0897476	250.4352499	121.0916394	7/3/1980	80.82	0.75
141.6260401	194.2570404	99.21631521	7/4/1980	81.39	0.68
163.2668589	226.4660769	116.2523513	7/5/1980	78.87	0.81
260.2480115	337.7373812	204.4863042	7/6/1980	79	0.66
278.4713773	344.1193331	230.0751393	7/7/1980	73.71	0.58
288.9065527	368.5261316	229.150972	7/8/1980	71.64	0.87
174.3099347	235.7803939	131.3101007	7/9/1980	77.1	0.8
150.0079942	208.1118182	107.8446538	7/10/1980	77.95	0.84
181.6681179	251.5792457	137.0509378	7/11/1980	81	0.73
161.7967028	226.1580343	121.3371927	7/12/1980	81.44	0.74
228.4230703	294.708614	181.009053	7/13/1980	76.74	0.71
228.7128913	289.0376475	187.2823964	7/14/1980	76.75	0.63

247.6485177	316.7232978	200.0746789	7/15/1980	79.59	0.66
182.0443633	251.6270245	129.5644724	7/16/1980	86.31	0.68
210.4033887	289.9230456	156.7928613	7/17/1980	83.14	0.78
165.531639	206.8052986	127.6502593	7/18/1980	80.16	0.78
147.4316788	185.1913375	105.580915	7/19/1980	84.45	0.72
198.4723029	254.7061797	132.8791596	7/20/1980	87.34	0.67
234.2272581	291.2034644	177.1568357	7/21/1980	87.78	0.64
278.6555277	334.9440616	217.4680882	7/22/1980	85.2	0.67
234.0544418	279.0065297	183.6162075	7/23/1980	74.56	0.93
242.6782437	285.0361748	198.8583384	7/24/1980	76.65	0.8
214.3372386	255.6732431	176.347248	7/25/1980	77.66	0.76
250.4899378	297.3125076	205.9028922	7/26/1980	78.97	0.71
291.5614648	343.8360203	241.5007231	7/27/1980	77.67	0.72
245.4454067	306.0166123	197.8678923	7/28/1980	78.93	0.78
206.9360206	261.7607556	165.038366	7/29/1980	80.25	0.77
182.5939976	221.3110695	145.6268808	7/30/1980	80.67	0.72
183.9826779	228.9764231	147.7610565	7/31/1980	83.41	0.7
254.5491497	311.3915267	204.0516843	8/1/1980	86.33	0.62
246.8256974	294.9110578	198.6883321	8/2/1980	85.59	0.61
237.7976031	288.5859718	188.5534751	8/3/1980	87.35	0.66
252.0577313	302.640193	209.6487147	8/4/1980	83.84	0.69
214.6619747	262.5199195	173.4727345	8/5/1980	82.19	0.8
205.0321349	250.1147883	165.5398691	8/6/1980	84.4	0.71
168.7948341	209.0105958	135.9039829	8/7/1980	83.29	0.76
175.0148903	216.5659151	140.7177403	8/8/1980	84.83	0.72
249.5041622	303.1330129	203.424257	8/9/1980	82.26	0.78
227.2761925	276.1822744	181.9379506	8/10/1980	84.13	0.71
265.8006615	323.99441	210.4715745	8/11/1980	86.26	0.71
285.7243836	343.7587358	239.6621923	8/12/1980	83.96	0.7
298.4231397	343.3451478	257.356233	8/13/1980	79.59	0.62
253.0287462	302.133316	211.6524115	8/14/1980	82.63	0.69
209.119818	262.0571685	166.4801093	8/15/1980	83.3	0.78
382.9626371	434.0492969	333.1162023	8/16/1980	74.68	0.67
332.9329999	375.0087846	289.9141064	8/17/1980	70.99	0.65
251.0118843	310.2125218	208.5096255	8/18/1980	70.75	0.92
153.9459079	206.7340375	122.4464148	8/19/1980	75.75	0.9
209.7555529	280.518943	171.4247435	8/20/1980	78.18	0.75
230.6806209	305.8664781	190.0146981	8/21/1980	71.38	0.91
275.8178668	353.7398059	231.1397393	8/22/1980	70.3	0.84
197.3358075	259.655613	162.0773212	8/23/1980	73.21	0.78
176.8589247	235.6541623	144.3240967	8/24/1980	76.29	0.72
196.6558929	260.9597522	162.5507447	8/25/1980	76.54	0.68
190.0365191	252.4457767	155.4740649	8/26/1980	75.94	0.7
208.5464895	276.0591288	170.4550599	8/27/1980	79.66	0.62
200.5747373	268.029222	163.8548137	8/28/1980	82	0.6
205.4289066	276.1975451	166.3587456	8/29/1980	81.14	0.67
213.2054609	290.7026135	168.4067535	8/30/1980	81.58	0.71
206.6866926	286.7825277	162.832195	8/31/1980	81.87	0.75
188.7622536	251.3635433	148.212282	9/1/1980	84.85	0.65
198.1497534	263.3151404	153.458754	9/2/1980	86.23	0.63
213.4594276	275.6565129	172.0272129	9/3/1980	81.38	0.7
205.415152	262.0297909	164.7335498	9/4/1980	79.29	0.74

171.305327	234.9279818	135.1469745	9/5/1980	77.84	0.86
160.0568555	210.4030929	127.9648702	9/6/1980	77.02	0.85
265.0427048	338.3889602	220.405829	9/7/1980	76.46	0.69
245.8946251	311.1267216	204.3838326	9/8/1980	73.63	0.63
279.522586	352.8573976	227.5542581	9/9/1980	75.42	0.64
271.4292152	349.3968866	212.5630879	9/10/1980	71.66	0.76
288.6231465	357.74019	236.1823415	9/11/1980	67.67	0.61
224.392405	290.0794745	188.6475596	9/12/1980	73.05	0.64
188.4231907	254.5166789	154.4805888	9/13/1980	74.69	0.71
148.1798327	212.1615203	113.9081672	9/14/1980	78.54	0.76
247.288845	332.4924299	198.8484675	9/15/1980	76.89	0.71
260.6093428	338.3192573	218.8861793	9/16/1980	71.29	0.76
173.9604049	242.1474882	136.308975	9/17/1980	78.04	0.76
174.1765292	238.2701052	142.5991364	9/18/1980	75.81	0.74
158.5571942	215.0306089	131.5644569	9/19/1980	72.85	0.76
192.3566251	261.3989666	159.1882206	9/20/1980	75	0.73
173.5661704	245.7906882	135.6040661	9/21/1980	78.88	0.72
150.4594146	223.0569326	114.7611568	9/22/1980	82.42	0.67
208.6160489	285.8084221	176.5754259	9/23/1980	80.8	0.64
270.4833568	344.1573143	241.772994	9/24/1980	70.54	0.65
137.2132405	189.354172	118.189655	9/25/1980	71.31	0.89
293.2177643	367.7561434	260.4872024	9/26/1980	71.02	0.61
297.9529481	363.3839495	256.8915046	9/27/1980	58.88	0.59
192.2266421	238.2975761	164.3278995	9/28/1980	57.83	0.74
253.5759709	320.493481	218.951801	9/29/1980	63.88	0.7
224.1450373	302.218195	182.7637988	9/30/1980	65.55	0.88
179.6410494	241.3685248	137.4591049	10/1/1980	65.85	0.88
172.9892356	234.3540525	127.4296081	10/2/1980	68.78	0.81
235.4905026	301.6881969	187.3136118	10/3/1980	56.69	0.9
270.0825051	334.3106829	229.2796016	10/4/1980	58.21	0.66
299.3339035	367.5952786	255.2900222	10/5/1980	54.94	0.72
271.6075	332.5198308	233.1699339	10/6/1980	54.38	0.62
163.8688299	205.1827984	141.5432528	10/7/1980	52.8	0.68
173.0824611	223.9821165	145.9288734	10/8/1980	60.54	0.68
122.2025758	173.6089229	95.47881189	10/9/1980	69	0.67
150.8338923	207.2391089	122.8397767	10/10/1980	63.53	0.79
156.0192458	216.0595005	132.7424574	10/11/1980	66.91	0.7
272.0681225	336.5976104	246.093097	10/12/1980	54.24	0.56
252.3030688	311.7918538	233.078489	10/13/1980	50.38	0.57
182.956777	229.3121275	168.6463281	10/14/1980	49.22	0.65
187.1479696	242.2460316	170.3359016	10/15/1980	58.46	0.63
146.159595	202.2337177	128.3731199	10/16/1980	63.18	0.69
112.4815809	166.1354389	88.55595477	10/17/1980	66.58	0.75
85.52116955	155.2309073	62.0222234	10/18/1980	71.6	0.8
108.3019616	159.7523791	94.8533878	10/19/1980	63.27	0.82
224.4421765	285.212563	197.4640732	10/20/1980	54.58	0.65
213.4803828	277.130274	189.9811415	10/21/1980	56.22	0.65
126.3792094	169.523754	112.0688096	10/22/1980	58.13	0.7
254.0661165	317.5061633	241.250618	10/23/1980	50.34	0.59
211.4950417	276.5603644	196.1151958	10/24/1980	52.54	0.72
234.7969738	306.9810307	213.2930368	10/25/1980	52.93	0.79
263.0658292	325.9550425	250.2871558	10/26/1980	44.94	0.53

151.8514048	193.0592792	143.835131	10/27/1980	44.22	0.67
111.3362264	159.8509461	100.249753	10/28/1980	56.58	0.83
182.4389557	235.4743086	171.5008603	10/29/1980	47.73	0.6
123.5734402	160.5928529	115.8236286	10/30/1980	42.67	0.8
147.8859355	192.5015808	141.053883	10/31/1980	46.62	0.69
199.4543073	259.0086396	184.1994289	11/1/1980	55.03	0.42
168.0978703	215.5985984	149.1560546	11/2/1980	43.79	0.57
136.4745713	178.6340346	120.3131434	11/3/1980	45.46	0.67
91.02920406	135.016527	75.4729118	11/4/1980	51.2	0.9
136.0880511	186.5849679	112.6921839	11/5/1980	51	0.67
149.5756202	196.1993012	127.1612792	11/6/1980	44.08	0.63
161.8605436	220.5076946	135.5171116	11/7/1980	55.67	0.54
97.39862971	160.341943	73.97055022	11/8/1980	64.16	0.54
67.11024641	110.6884576	45.15070381	11/9/1980	60.67	0.73
177.9323524	241.8480725	147.3428212	11/10/1980	55.45	0.54
236.6792144	299.1589463	208.3502836	11/11/1980	39.92	0.45
200.4211546	252.4046452	174.6223237	11/12/1980	41.17	0.48
123.1577407	162.1759972	103.2008965	11/13/1980	46.51	0.51
118.7212059	163.3044238	97.86762019	11/14/1980	55.85	0.43
89.02206155	132.076712	67.48243472	11/15/1980	53.91	0.65
170.8318142	228.0585804	139.8053728	11/16/1980	41.48	0.73
160.4186423	212.336752	129.0851488	11/17/1980	37.07	0.76
192.798322	252.4389258	149.5526098	11/18/1980	38.58	0.74
131.1185082	172.1936192	105.4619952	11/19/1980	36.44	0.63
96.60135878	127.3799187	76.12807994	11/20/1980	34.8	0.68
110.0800724	148.0310117	85.39817118	11/21/1980	38.63	0.61
105.6881052	142.407381	81.46405811	11/22/1980	37.72	0.6
94.58769248	129.9303929	69.07089249	11/23/1980	41.68	0.6
55.23949109	96.26367324	29.99159137	11/24/1980	50.39	0.89
116.6465777	168.264512	82.86793906	11/25/1980	46.16	0.68
121.6501899	163.5918815	93.08179792	11/26/1980	37.96	0.56
98.78848792	144.7070276	67.21834635	11/27/1980	44.98	0.74
108.685656	163.065909	72.87046237	11/28/1980	43.26	0.85
158.6687763	213.6800991	124.3831192	11/29/1980	40.42	0.57
126.3724336	173.0403021	97.80653258	11/30/1980	42.74	0.55
98.18297316	145.3343366	60.55641596	12/1/1980	52.77	0.45
111.8977109	171.409214	71.26445295	12/2/1980	54.22	0.47
189.6554892	247.5326881	149.2965578	12/3/1980	42.63	0.3
122.3905794	160.9160343	93.77688174	12/4/1980	36.75	0.37
104.5732977	140.343979	78.19913319	12/5/1980	38.44	0.42
69.01367103	103.0920179	45.01764223	12/6/1980	48.5	0.46
31.30450838	62.6497585	13.99251877	12/7/1980	53.57	0.6
34.15217324	68.96541909	14.83505236	12/8/1980	58.96	0.59
26.53944407	60.84586192	4.877886687	12/9/1980	62.38	0.62
55.65372472	98.60653847	25.35950291	12/10/1980	49.83	0.78
80.1728616	115.6833214	54.87195343	12/11/1980	38.17	0.66
103.9050913	148.770393	72.95389027	12/12/1980	39.6	0.64
104.1696265	156.997233	70.1813655	12/13/1980	49.39	0.52
116.2001791	161.9151685	89.99321519	12/14/1980	38	0.55
90.11998936	128.8996997	67.6553472	12/15/1980	36.54	0.66
73.23884647	114.8439286	51.08638692	12/16/1980	40.42	0.82
133.8739594	185.1332621	105.8478216	12/17/1980	32.92	0.57

113.6853708	163.6961492	85.07993592	12/18/1980	39.4	0.61
129.0155913	184.3549238	98.37281992	12/19/1980	43.17	0.5
203.0999393	264.3882807	171.5025512	12/20/1980	21.18	0.41
121.5876425	160.1517967	105.5231206	12/21/1980	18.4	0.5
95.85719088	123.3235883	78.83987982	12/22/1980	23.09	0.57
68.44188382	97.05274896	52.60304978	12/23/1980	31.58	0.9
84.69607551	123.3478607	61.96052411	12/24/1980	36.33	0.9
196.7240745	250.6541703	167.8937294	12/25/1980	17.25	0.49
94.05239776	126.0023854	78.95923607	12/26/1980	16.65	0.62
143.9223837	197.2474147	116.9669218	12/27/1980	26.25	0.69
97.50952577	157.4771465	73.81303008	12/28/1980	34.76	0.92
60.89879591	99.21879934	32.87704407	12/29/1980	41.23	0.9
56.66109471	90.92149167	41.67979699	12/30/1980	39.52	0.75
76.48450331	107.6800446	63.30050005	12/31/1980	30.75	0.59
52.93489077	78.57995771	32.79891205	1/1/1981	32.63	0.66
91.753247	130.2107029	66.1547957	1/2/1981	34.49	0.54
89.71283754	125.4431272	73.14533346	1/3/1981	31.47	0.58
180.4869861	224.7421823	138.6429606	1/4/1981	18.81	0.38
91.81913812	124.3496573	62.14422973	1/5/1981	18.51	0.49
102.6856057	141.9105007	78.68395318	1/6/1981	30.34	0.48
97.96615294	144.5926061	61.44148146	1/7/1981	35.64	0.59
104.1161199	140.7747769	67.66505833	1/8/1981	20.73	0.46
56.27483602	80.02665928	41.83422781	1/9/1981	21.99	0.59
112.0564286	155.7802543	88.51975682	1/10/1981	23.57	0.52
72.11589423	101.5285601	54.39935594	1/11/1981	14.97	0.67
122.2929331	161.57137	90.01180994	1/12/1981	12.39	0.52
75.5650228	105.666452	53.71705173	1/13/1981	18.45	0.54
57.01919747	83.97039022	38.61017306	1/14/1981	31.93	0.49
51.95175746	82.13836462	32.10263971	1/15/1981	31.24	0.78
59.43646106	94.0527085	38.9117038	1/16/1981	32.75	0.68
130.3217979	180.0782833	96.61636779	1/17/1981	26.47	0.4
65.63359695	96.09335311	44.62886483	1/18/1981	24.88	0.55
53.30854826	80.60277932	29.80252915	1/19/1981	37.72	0.48
26.90705219	49.67835367	12.65992827	1/20/1981	41.56	0.54
58.08903245	95.25531065	31.41550348	1/21/1981	35.88	0.81
44.12680778	79.36737908	19.87438456	1/22/1981	36.6	0.8
40.1429076	67.02022498	18.62534116	1/23/1981	33.87	0.72
45.04405798	74.27037286	23.8048145	1/24/1981	32.18	0.73
47.67303421	80.62523375	26.20415978	1/25/1981	37.19	0.64
51.55406804	100.0245224	27.00525567	1/26/1981	48.67	0.52
26.31709591	58.26887392	9.388381626	1/27/1981	52.63	0.56
68.19837428	109.572504	38.38467718	1/28/1981	39.31	0.55
106.1703573	160.133928	70.35592919	1/29/1981	36.49	0.48
119.1219201	168.7817751	81.97931481	1/30/1981	27.42	0.44
83.15489487	118.5142671	60.65932967	1/31/1981	25.22	0.43
70.85982542	114.854254	37.44494536	2/1/1981	38.22	0.6
53.5262919	111.7328297	25.13045465	2/2/1981	48	0.61
133.2355514	184.5875484	101.9383403	2/3/1981	23.09	0.4
109.1425323	147.0472378	77.37898664	2/4/1981	23.5	0.48
96.87869356	130.6802209	70.95576068	2/5/1981	22.36	0.43
95.91071172	135.1226551	66.35265708	2/6/1981	31.12	0.55
46.30340599	75.97807538	27.62229003	2/7/1981	36.96	0.62

46.51835257	86.82308689	23.79221627	2/8/1981	39.51	0.8
84.93951038	123.7544335	63.23796913	2/9/1981	31.25	0.43
53.46200902	102.816477	27.49198069	2/10/1981	44.53	0.64
6.826699575	38.60381293	1.233969466	2/11/1981	55.87	0.75
154.5973856	211.043074	118.9271129	2/12/1981	22.86	0.4
88.30364383	124.8272151	63.95654687	2/13/1981	26.18	0.52
47.43758669	73.24703291	28.97920859	2/14/1981	34.09	0.63
40.69773651	68.17501621	23.34310331	2/15/1981	37.55	0.65
29.30187748	61.23282428	14.37022738	2/16/1981	44.11	0.68
7.339002586	29.25598501	2.233536747	2/17/1981	54.87	0.72
5.871654428	30.23474011	0.849618321	2/18/1981	59.2	0.66
2.888427704	17.6311708	0.151717557	2/19/1981	58.68	0.83
10.33817872	43.75615156	3.981834994	2/20/1981	53.38	0.87
40.88123368	102.437652	14.07240264	2/21/1981	52.12	0.74
10.55250501	36.93259596	3.147065817	2/22/1981	53.82	0.88
15.23990912	55.31250366	5.79219379	2/23/1981	52.66	0.9
66.12608191	114.3422069	34.88297195	2/24/1981	43.54	0.7
115.8458269	176.8907551	67.10568092	2/25/1981	44.06	0.51
137.4759489	205.828246	85.76168225	2/26/1981	43.05	0.51
102.6429473	155.0856101	60.9367855	2/27/1981	44.08	0.46
62.61540711	114.8705702	34.77588732	2/28/1981	56.3	0.46
43.93071147	92.93195519	20.6814713	3/1/1981	55.54	0.57
85.96342994	135.7830822	48.48492147	3/2/1981	46.4	0.53
132.1979794	188.5870951	94.88737473	3/3/1981	39.27	0.44
83.47966089	127.0473904	55.41208069	3/4/1981	39.78	0.64
84.00634665	139.1868073	47.42052871	3/5/1981	40.84	0.89
111.9584278	163.4254642	70.23068486	3/6/1981	40.12	0.55
166.4599986	230.546976	113.3765127	3/7/1981	37.12	0.45
114.3427059	165.6666069	75.37924569	3/8/1981	37.87	0.57
80.37618575	120.0427112	53.36797927	3/9/1981	41.04	0.57
73.63197852	110.5894901	49.49527218	3/10/1981	39.85	0.56
112.805991	164.7320681	78.12372452	3/11/1981	41.45	0.51
97.09014691	141.2868803	67.20098464	3/12/1981	42.03	0.46
98.9096296	163.4799129	68.71788146	3/13/1981	55.69	0.35
164.5010774	226.3433971	122.9941799	3/14/1981	40.51	0.37
122.1500908	172.6103005	80.38790858	3/15/1981	47.01	0.34
136.9224743	199.8858746	91.19930924	3/16/1981	45.41	0.54
147.4094628	204.4884728	109.2812257	3/17/1981	42.49	0.41
150.6185483	205.1571012	113.9098874	3/18/1981	35.2	0.54
129.8528968	178.5421936	97.39588204	3/19/1981	34.01	0.55
153.9154685	206.4378832	117.6625899	3/20/1981	36.41	0.39
130.504299	181.3168785	96.86404799	3/21/1981	41.47	0.43
96.29745223	136.6037762	69.74673111	3/22/1981	40.66	0.48
103.6524616	155.7103757	68.8366707	3/23/1981	39.31	0.76
89.34127161	130.9648283	61.47575325	3/24/1981	43.78	0.53
77.082739	113.8507406	51.28240017	3/25/1981	45.53	0.5
81.00903321	125.5406958	48.51968385	3/26/1981	48.07	0.51
95.25595132	157.6918663	58.47600278	3/27/1981	56	0.45
83.49993047	126.8061518	46.98382059	3/28/1981	50.28	0.46
90.41693254	139.5407923	50.25397754	3/29/1981	60.92	0.42
19.93659254	64.11968632	1.697517511	3/30/1981	61.93	0.75
25.26376446	60.23282954	9.623637281	3/31/1981	66.13	0.53

19.03341787	57.87776087	2.816026512	4/1/1981	62.25	0.75
79.51332322	124.0351477	43.51053152	4/2/1981	63.84	0.37
86.1820575	137.6004922	46.73776977	4/3/1981	65.63	0.4
63.17264339	131.6565267	13.44238131	4/4/1981	70.08	0.55
31.25607051	91.4116221	0.697900763	4/5/1981	66.51	0.75
190.0992729	260.8872765	136.6530303	4/6/1981	49.83	0.45
115.22191	161.0156031	83.854825	4/7/1981	48.1	0.47
132.861412	207.5456772	82.08604011	4/8/1981	59.83	0.49
68.22739619	133.1560645	26.45183073	4/9/1981	60.37	0.76
111.7043553	166.8614497	64.81937738	4/10/1981	59.22	0.48
72.26783359	127.8916014	32.89819778	4/11/1981	68.75	0.58
49.35866867	99.58882452	16.54678739	4/12/1981	69.69	0.63
145.2027256	209.6058898	98.89447036	4/13/1981	49.83	0.82
107.0406899	168.1952462	64.38707137	4/14/1981	58.03	0.75
212.9426406	277.9601732	167.014678	4/15/1981	52.87	0.38
147.5344083	201.9251062	114.4774106	4/16/1981	54.5	0.52
106.8743284	177.360996	71.38465255	4/17/1981	62.19	0.68
89.59153031	142.8526168	64.40441632	4/18/1981	70.95	0.52
149.0389406	209.1433211	111.149254	4/19/1981	61.7	0.42
180.0569793	250.3356754	147.6086707	4/20/1981	55.01	0.63
207.4531793	264.5801526	178.9770469	4/21/1981	47.21	0.39
141.5616471	192.9740687	117.5595484	4/22/1981	56.67	0.55
75.26185981	137.7773763	53.04210723	4/23/1981	69.13	0.66
189.7443419	267.0617387	152.9058037	4/24/1981	62.35	0.53
235.4676004	303.0056641	208.963293	4/25/1981	53.88	0.45
127.060864	170.1886375	110.6180799	4/26/1981	54.82	0.53
77.70749825	122.3464681	62.55710432	4/27/1981	63.5	0.69
65.78036175	116.1324506	52.76243302	4/28/1981	71.18	0.61
109.8260651	165.4131348	91.56224109	4/29/1981	74.58	0.51
104.7338149	156.0787087	91.53965302	4/30/1981	60.49	0.76
164.8823544	223.1181783	149.9173565	5/1/1981	58.46	0.68
238.6945033	306.572843	224.6270888	5/2/1981	51.8	0.58
208.4233246	266.7374088	195.5668851	5/3/1981	56.84	0.43
159.6289834	214.0890549	148.8687976	5/4/1981	62.71	0.45
116.6678286	168.547804	106.6173553	5/5/1981	59.82	0.73
83.09139421	129.6442136	75.68785745	5/6/1981	63.03	0.77
255.010034	325.8642868	243.4477731	5/7/1981	54.49	0.46
219.8956017	282.0201732	210.8127122	5/8/1981	53.75	0.52
144.8383828	202.5470538	133.54319	5/9/1981	60.71	0.69
88.73510272	146.2898097	67.83548168	5/10/1981	63.17	0.89
55.25785224	103.4313364	43.32361259	5/11/1981	67.5	0.85
117.4822792	170.8466754	104.9386744	5/12/1981	63.02	0.72
127.9709655	176.0516062	116.5472372	5/13/1981	60.01	0.64
137.3031683	204.4412323	111.9611676	5/14/1981	69.82	0.62
119.1700127	182.514765	100.0080515	5/15/1981	67.71	0.75
191.466771	253.5297114	172.8738525	5/16/1981	63.23	0.59
139.1084096	187.6807756	117.9783846	5/17/1981	63.03	0.58
178.6689672	236.4499128	153.9249026	5/18/1981	54.81	0.78
220.5066992	289.3173962	189.1661483	5/19/1981	49.69	0.9
156.6164459	209.8497411	132.106695	5/20/1981	53.44	0.82
189.8462898	253.0238674	166.8448538	5/21/1981	61.44	0.58
164.284582	238.163204	145.601937	5/22/1981	70.85	0.45

123.991894	177.2606694	107.7786502	5/23/1981	68.32	0.55
84.64920044	131.3224328	59.73683265	5/24/1981	71.95	0.54
99.10668481	162.7380476	82.43907344	5/25/1981	74.13	0.59
110.6962693	185.5943019	97.94556199	5/26/1981	75.03	0.63
150.6576513	220.9866789	126.4480505	5/27/1981	73.97	0.65
101.3679419	153.9379006	89.25170945	5/28/1981	68.8	0.85
69.49621717	111.4600324	59.94859765	5/29/1981	70.72	0.82
92.38648206	157.5601567	80.61760651	5/30/1981	75.9	0.69
99.58623928	163.7278326	85.70221696	5/31/1981	74.88	0.75
168.9384337	234.9119188	158.078309	6/1/1981	67.41	0.76
107.6508808	161.9004731	99.30106326	6/2/1981	70	0.83
98.43283454	167.1270826	90.28979326	6/3/1981	76.33	0.77
104.1306614	182.8354593	96.74820327	6/4/1981	78.13	0.74
109.0582438	183.3385447	101.8717553	6/5/1981	79.41	0.66
121.9915537	191.2010495	113.4705806	6/6/1981	77.2	0.74
183.2493023	251.793014	174.2974246	6/7/1981	75.76	0.6
131.8240164	187.187879	124.174744	6/8/1981	76.44	0.67
127.9722026	209.5303347	122.506621	6/9/1981	82.74	0.67
148.1820239	221.9277231	143.7148933	6/10/1981	79.93	0.69
203.7275139	267.303494	198.8342857	6/11/1981	76.16	0.56
182.7139392	246.6149011	180.9248449	6/12/1981	74.78	0.69
85.31124712	142.0863274	83.0064973	6/13/1981	81.59	0.7
97.24679215	165.6195615	93.89372879	6/14/1981	83.98	0.67
72.51995111	136.8412751	74.90907785	6/15/1981	85.17	0.71
91.83224974	159.2478178	89.2741515	6/16/1981	86.18	0.66
204.1919445	280.7400112	199.6582623	6/17/1981	79.72	0.71
212.6205052	279.0570745	209.8412335	6/18/1981	75.44	0.74
156.5099476	217.3508403	147.8817239	6/19/1981	80.49	0.74
200.6481061	275.4677135	187.0494247	6/20/1981	77.53	0.79
169.7684084	238.0547192	155.0663597	6/21/1981	79.84	0.73
223.119837	312.7619399	196.9973717	6/22/1981	85.63	0.62
268.7108489	342.9138367	248.580313	6/23/1981	76.75	0.58
224.0660416	291.6734134	198.370195	6/24/1981	79	0.65
263.4530061	353.0173348	226.5462971	6/25/1981	84.57	0.63
304.4171411	377.5940163	270.5656357	6/26/1981	74.91	0.57
328.1468446	394.0463713	296.68664	6/27/1981	69.28	0.55
276.0717773	338.2031201	244.8579121	6/28/1981	72.55	0.53
214.6044737	269.3469323	189.8842128	6/29/1981	74.46	0.56
256.0830783	324.0427858	223.8397226	6/30/1981	75.32	0.65
275.9679103	355.598343	236.0927576	7/1/1981	73.3	0.78
197.4275901	259.3773685	166.3139809	7/2/1981	73.61	0.81
168.6394538	225.0319233	137.4394676	7/3/1981	74.54	0.82
194.5601295	265.9091614	155.6873698	7/4/1981	76.87	0.8
170.7312137	232.5253249	138.098955	7/5/1981	77.51	0.76
126.4639902	178.9081729	96.67256554	7/6/1981	76.25	0.89
142.4073277	198.1376954	109.1208774	7/7/1981	80.96	0.74
146.4968546	203.2693386	111.9445447	7/8/1981	82.83	0.69
146.4887362	203.2370874	102.9121812	7/9/1981	86.11	0.69
149.868747	196.9118905	99.26738791	7/10/1981	84.18	0.75
197.5029079	238.4735056	156.3554092	7/11/1981	81.29	0.68
171.280826	211.4650852	133.6957159	7/12/1981	81.57	0.73
226.1083597	280.5884381	161.1758289	7/13/1981	83.32	0.72

285.522501	345.5701483	222.5641654	7/14/1981	85.68	0.6
363.8752424	412.2974384	310.0818298	7/15/1981	75.18	0.56
207.5119492	246.525263	164.8571867	7/16/1981	72.32	0.81
233.3831333	293.0196006	184.1049311	7/17/1981	76.45	0.76
200.6137667	254.3443042	160.0048149	7/18/1981	78.42	0.69
193.7535204	241.7055988	153.30325	7/19/1981	81.95	0.66
264.0689465	345.6026448	203.0461818	7/20/1981	84.77	0.68
209.1655234	263.2361537	161.9845957	7/21/1981	82.64	0.75
262.8268598	308.8308691	215.5289296	7/22/1981	78.78	0.71
285.3105386	329.9385024	238.7703222	7/23/1981	75.2	0.68
230.2913821	269.1951385	189.6192146	7/24/1981	72.09	0.8
210.6162993	264.9318807	165.4692667	7/25/1981	77.56	0.8
164.2599461	218.0359891	122.9711025	7/26/1981	81.11	0.8
160.6009456	215.6396835	122.3967796	7/27/1981	83.55	0.74
197.5198144	262.5563489	151.2294007	7/28/1981	83.63	0.74
298.0728331	371.6730992	244.6814847	7/29/1981	80.23	0.69
342.4525686	398.8818078	296.9820672	7/30/1981	72.13	0.6
270.9986738	321.2302784	230.3958878	7/31/1981	73.2	0.64
241.7194143	294.1435635	202.493877	8/1/1981	74.17	0.68
206.1659286	256.8497016	170.0711301	8/2/1981	76.08	0.69
232.6894979	309.7662767	184.4863527	8/3/1981	76.42	0.83
165.1203754	231.3426611	119.1387222	8/4/1981	80.8	0.77
203.9270179	279.7793796	152.1014158	8/5/1981	85.03	0.69
231.434334	291.9978906	189.9801918	8/6/1981	74.14	0.82
186.6437048	246.8626354	147.0607176	8/7/1981	75.7	0.83
159.7453089	223.4683464	118.9668356	8/8/1981	79.32	0.84
150.8251917	201.675739	114.2509734	8/9/1981	81.08	0.74
145.8515917	196.6618816	110.4545418	8/10/1981	81.42	0.75
167.1052038	225.8709767	126.6719874	8/11/1981	77.73	0.87
227.2615384	288.4894884	184.0945619	8/12/1981	73.06	0.86
159.1504757	195.2472101	132.846822	8/13/1981	75.74	0.75
175.3438923	215.5943527	146.1888464	8/14/1981	77.49	0.71
254.8078623	339.2592285	214.8845842	8/15/1981	79.21	0.73
241.5117362	309.4304405	197.5239715	8/16/1981	80.42	0.69
386.836203	468.6270476	332.6817666	8/17/1981	70.5	0.59
316.2519865	388.9973577	274.0304678	8/18/1981	70.04	0.57
293.7299343	376.1814612	246.7716472	8/19/1981	67.04	0.86
375.2551779	480.3538273	318.2932715	8/20/1981	69.62	0.71
328.9489227	417.6710098	284.6508589	8/21/1981	68.68	0.63
293.9188546	380.0966566	251.5253351	8/22/1981	65.37	0.81
204.2348268	275.3557851	176.4265625	8/23/1981	70.49	0.7
136.9497614	194.6114141	122.6021274	8/24/1981	75.02	0.7
231.8517374	311.2568639	210.3211747	8/25/1981	72.79	0.68
190.350092	259.0660714	173.2578049	8/26/1981	70.38	0.76
199.8310478	266.8931743	177.8214686	8/27/1981	72	0.72
183.4620336	246.1094953	161.780191	8/28/1981	73.62	0.65
156.1498029	217.1950626	133.4213404	8/29/1981	72.42	0.8
122.6935697	180.4350234	104.9577325	8/30/1981	73.52	0.87
116.8938522	170.4934857	99.37741991	8/31/1981	75.33	0.79
151.4701132	217.8887919	134.644692	9/1/1981	75.17	0.79
144.1647568	208.633742	131.4468397	9/2/1981	76.05	0.77
155.8794188	221.9844935	144.9255933	9/3/1981	74.88	0.78

182.2974418	250.4294641	170.9022143	9/4/1981	72.9	0.77
158.4792388	220.8591394	148.8787823	9/5/1981	71.95	0.8
141.951583	199.3650945	133.7471264	9/6/1981	72.84	0.77
152.4560351	213.4579729	143.1221846	9/7/1981	71.25	0.8
176.5007891	256.562558	162.4392255	9/8/1981	73.83	0.84
205.1705212	270.4927181	192.8862658	9/9/1981	68.59	0.67
206.3729504	270.2599361	195.0648146	9/10/1981	70.04	0.65
148.1574594	203.5630268	140.8548242	9/11/1981	73.36	0.64
146.345124	206.2872901	138.7051728	9/12/1981	76.34	0.68
133.0660617	190.7156396	125.2538887	9/13/1981	77.67	0.67
188.8868089	260.7327443	180.5520821	9/14/1981	77.28	0.67
172.2623982	246.3254969	163.902222	9/15/1981	75.75	0.8
225.9011131	300.9130468	218.2266365	9/16/1981	68.03	0.89
187.8165073	252.0337898	178.7986174	9/17/1981	68.03	0.85
315.9000895	399.5121304	296.9662746	9/18/1981	63.27	0.76
346.0580619	430.8214843	318.7277325	9/19/1981	59.62	0.68
283.6420748	359.7228529	258.8368271	9/20/1981	66.15	0.65
156.4629098	208.4109557	147.5601805	9/21/1981	66.96	0.74
203.4693408	271.4629892	190.135902	9/22/1981	70.36	0.69
391.24953	482.8899714	373.2994279	9/23/1981	59.83	0.55
282.0878363	344.0321595	271.8869279	9/24/1981	57.67	0.59
199.0790516	248.7465724	190.4123546	9/25/1981	60.74	0.63
148.1927243	196.6984499	136.7898822	9/26/1981	65.68	0.67
185.084112	250.3947163	173.0112022	9/27/1981	70.54	0.65
227.9667612	294.8221234	219.3187229	9/28/1981	67.5	0.56
196.6267743	247.4872637	190.4026627	9/29/1981	57.79	0.65
153.6246896	200.6062562	148.5682341	9/30/1981	62.62	0.7
175.3919868	250.1123704	168.0420527	10/1/1981	72.86	0.69
313.3648131	392.9794808	302.4358663	10/2/1981	57.99	0.66
304.9421975	370.6949845	296.465338	10/3/1981	51.35	0.63
202.9119703	255.0254479	191.5930035	10/4/1981	54.3	0.68
163.7120811	219.8933022	146.8709994	10/5/1981	66.5	0.63
113.6757694	172.138751	105.9717259	10/6/1981	71.03	0.75
308.0043374	382.91498	291.8911594	10/7/1981	61.34	0.47
283.0302733	348.545139	257.6700876	10/8/1981	54.63	0.55
206.7959761	256.3651953	184.9481242	10/9/1981	51.74	0.64
166.0006142	212.0008713	149.6486897	10/10/1981	52.06	0.76
152.5500426	199.6109755	131.2167344	10/11/1981	55.23	0.76
207.6727036	264.7396506	183.8010895	10/12/1981	53.83	0.67
234.0770634	295.0551211	205.5673734	10/13/1981	48.68	0.74
167.6781505	218.0831427	143.2634081	10/14/1981	52.88	0.75
154.6303249	201.1839045	132.5866401	10/15/1981	51.3	0.76
187.8092027	250.6143922	159.2714026	10/16/1981	61.58	0.58
188.2968767	241.8682435	161.9165267	10/17/1981	51.46	0.61
160.4668901	223.9456066	124.3380783	10/18/1981	61.32	0.76
249.0597376	312.5545169	216.9382895	10/19/1981	50.75	0.51
193.1675794	240.8521133	166.8743066	10/20/1981	46.47	0.59
168.2022114	216.679402	141.7207462	10/21/1981	55.44	0.5
118.8869505	166.8489294	93.27814482	10/22/1981	61.18	0.62
94.36169763	148.2592728	63.66864707	10/23/1981	62.13	0.82
197.5681801	252.8625646	166.5565644	10/24/1981	45.49	0.67
148.2293697	200.1979689	118.2530728	10/25/1981	48.47	0.91

45.09447864	84.48946417	24.30843838	10/26/1981	60.46	0.97
25.56748307	72.23433121	8.157418551	10/27/1981	67.56	0.9
95.31163798	144.8685432	67.91429851	10/28/1981	61.13	0.73
143.2718388	200.3037563	110.2618322	10/29/1981	53.2	0.83
150.2755929	209.6474656	115.3802383	10/30/1981	55.17	0.74
137.6167237	192.633498	103.9946782	10/31/1981	54.34	0.8
74.55228848	114.5569597	51.94265977	11/1/1981	58.09	0.82
49.36193732	82.38483444	30.9141984	11/2/1981	60.93	0.79
86.58134719	131.293533	64.90757261	11/3/1981	60.31	0.66
55.93165495	92.30593255	39.54198929	11/4/1981	60.45	0.75
62.68461451	108.8536102	38.73983251	11/5/1981	61.89	0.83
178.4040952	251.5049843	151.6364455	11/6/1981	57.92	0.63
259.6373977	330.9839697	232.9294203	11/7/1981	49.08	0.41
113.9207721	151.0369232	102.7801455	11/8/1981	47.88	0.49
109.6268194	150.6216033	96.13910527	11/9/1981	50.75	0.6
172.4853326	238.2701214	153.0491935	11/10/1981	48.07	0.74
149.6302347	207.3173736	131.0574636	11/11/1981	50.96	0.67
235.7904505	302.6086477	215.3911471	11/12/1981	42.77	0.58
232.8432131	297.8030123	216.3080265	11/13/1981	42.47	0.44
235.1973456	300.5567441	217.1280689	11/14/1981	49.96	0.34
168.919636	229.6085187	153.4920241	11/15/1981	56.29	0.42
84.06210117	118.889034	75.25091035	11/16/1981	53.58	0.53
102.0043957	150.3984528	91.44746746	11/17/1981	49.99	0.82
123.7213796	174.7149032	113.2959785	11/18/1981	51.92	0.59
118.6460042	164.5728142	107.6049985	11/19/1981	50.29	0.64
140.9117416	210.1815689	126.7831164	11/20/1981	59.64	0.55
227.9789871	291.7505747	218.8242927	11/21/1981	41.76	0.47
135.9850589	175.0884963	129.1287474	11/22/1981	35.55	0.61
124.536107	161.0876585	119.5504628	11/23/1981	33.59	0.58
134.7531677	182.4355913	128.1574741	11/24/1981	36.09	0.83
148.6204779	198.0557325	139.855772	11/25/1981	37.27	0.74
103.3740675	141.1142546	98.56489286	11/26/1981	39.85	0.71
41.25068958	89.1097858	38.68445432	11/27/1981	59.44	0.73
113.2727495	159.5458696	107.7340704	11/28/1981	45.44	0.59
115.3382845	154.1873048	109.8412643	11/29/1981	36.76	0.65
124.4876435	166.6242305	120.7256747	11/30/1981	35.66	0.6
86.75000057	124.0228452	82.42392465	12/1/1981	37.83	0.88
50.85634219	87.89926989	47.47344223	12/2/1981	49.19	0.86
84.98195319	127.5074967	81.61766981	12/3/1981	43.96	0.79
77.3111935	119.0462922	74.03470327	12/4/1981	43.17	0.85
152.1923278	214.4604384	146.0907669	12/5/1981	42.87	0.65
167.2551093	224.0185103	162.7440667	12/6/1981	40.75	0.46
99.47634496	142.0206822	95.65145125	12/7/1981	46.68	0.55
128.5487599	186.899347	124.5924998	12/8/1981	50.49	0.51
192.1798086	252.334469	184.1711288	12/9/1981	36.28	0.44
176.0478759	227.2505113	166.4671709	12/10/1981	32.59	0.44
126.1957933	167.4500132	122.1801879	12/11/1981	33.79	0.52
103.3007888	140.5991246	100.7604352	12/12/1981	33.01	0.64
68.42233406	95.31442644	66.73790484	12/13/1981	30.82	0.71
75.63743743	110.9374135	70.46941802	12/14/1981	33.91	0.88
86.92495499	134.4058615	83.27672757	12/15/1981	36.84	0.93
87.03878091	126.2656177	84.2813979	12/16/1981	36.09	0.75

77.25064526	114.6226945	76.23013026	12/17/1981	37.39	0.78
101.6897998	147.0841656	99.46220559	12/18/1981	37.24	0.66
148.6919413	197.5870828	145.1330572	12/19/1981	28.06	0.5
100.4224787	134.1674901	98.27812475	12/20/1981	23.53	0.59
113.3669423	146.1273873	107.5029072	12/21/1981	27.55	0.63
49.97520841	90.51401443	48.69049556	12/22/1981	40.51	0.93
7.801566495	29.6161625	9.493476715	12/23/1981	56.08	0.83
40.49655526	72.7317251	37.89598954	12/24/1981	45.14	0.75
33.56955455	57.10079096	30.91900953	12/25/1981	36.58	0.94
70.22597549	111.1693928	67.22350315	12/26/1981	35.54	0.89
50.86196942	85.81960556	47.88302013	12/27/1981	37.53	0.92
57.63565834	94.19379745	55.63601828	12/28/1981	37.35	0.92
78.35634215	123.1345958	76.23100986	12/29/1981	40.97	0.69
74.66079088	109.3675809	73.82230807	12/30/1981	31.2	0.69
59.66750443	97.42661637	57.98238165	12/31/1981	36.37	0.88
36.16841669	84.2238087	34.59223172	1/1/1982	49.11	0.77
80.79449613	121.1009713	74.84791721	1/2/1982	37.23	0.58
55.81363121	94.61450091	47.57497804	1/3/1982	37.49	0.9
33.23719125	85.05019128	25.0325756	1/4/1982	50.84	0.75
94.4708063	142.972433	81.59531758	1/5/1982	42.2	0.52
63.65812562	108.6045954	53.96479373	1/6/1982	46.97	0.6
33.46508601	77.34259189	27.1982837	1/7/1982	53.34	0.68
101.4019737	145.4601743	93.06235386	1/8/1982	36.92	0.47
138.2575666	189.3051245	124.5814181	1/9/1982	33.36	0.43
203.9123468	264.7192733	187.9409504	1/10/1982	12.34	0.31
178.6179254	222.0307076	168.4019877	1/11/1982	10.66	0.39
115.773244	156.390775	112.6689851	1/12/1982	19.05	0.55
88.61618158	130.3303127	85.14977629	1/13/1982	23.32	0.98
89.83515087	133.8615046	83.53212959	1/14/1982	24.13	0.99
87.40880778	124.8419288	83.24139698	1/15/1982	20.21	0.83
85.10523128	130.3923564	80.61443829	1/16/1982	30.42	0.87
135.4369068	178.586771	128.5924905	1/17/1982	11.47	0.33
90.15645609	124.1861837	86.20840523	1/18/1982	24.03	0.51
68.17424532	103.2047475	64.23007093	1/19/1982	27.55	0.84
43.7652477	72.41150531	40.47022133	1/20/1982	32.18	0.86
59.45303663	96.97808758	55.74867345	1/21/1982	31.56	0.91
77.48597917	118.5826898	73.38755116	1/22/1982	26.21	0.85
46.39762732	76.11723038	41.14621617	1/23/1982	32.85	0.94
89.19770085	126.6812602	77.69441554	1/24/1982	34.2	0.54
58.50973642	84.38072677	52.59364036	1/25/1982	26.53	0.75
134.1811101	182.952235	126.7938818	1/26/1982	23.46	0.61
89.98479605	127.1315211	85.65878964	1/27/1982	21.08	0.57
91.88767469	131.8310831	86.0349012	1/28/1982	34.7	0.55
56.89712969	84.62589294	53.39990984	1/29/1982	36.75	0.49
48.22530738	76.17010398	44.30013657	1/30/1982	38.92	0.63
1.446374046	10.64656848	3.755411136	1/31/1982	54.75	0.9
49.86692174	98.27336889	44.72825521	2/1/1982	49.53	0.55
57.64065356	97.90994258	51.17865322	2/2/1982	36.31	0.77
12.05999387	43.35561667	8.906008325	2/3/1982	44.79	0.98
12.57360189	46.37101665	12.97221031	2/4/1982	49.02	0.82
35.35420294	66.06360452	34.25451072	2/5/1982	39.31	0.82
36.93079016	70.54739578	33.64577931	2/6/1982	41.42	0.81

73.49832028	109.8738271	68.75077948	2/7/1982	32.43	0.59
59.35516589	93.6858902	54.44917046	2/8/1982	39.63	0.49
36.5653105	77.063064	32.40573837	2/9/1982	43.62	0.81
63.57956665	101.9239332	61.4184819	2/10/1982	35.49	0.67
52.26045257	85.7925596	49.71618787	2/11/1982	36.81	0.67
65.85421936	108.4270361	61.92132006	2/12/1982	36.67	0.72
65.20038662	109.1607474	61.11474323	2/13/1982	34.56	0.83
54.30829511	92.14979491	51.43266941	2/14/1982	37.93	0.73
20.20391038	64.85884237	18.89250672	2/15/1982	52.99	0.74
0.354007634	9.639621364	2.22519084	2/16/1982	58.41	0.93
45.7713802	103.0376894	41.8327282	2/17/1982	43.63	0.95
77.95065254	132.3806663	75.49491008	2/18/1982	35.45	0.93
47.47304536	88.10687483	46.01700651	2/19/1982	40.6	0.88
49.96916184	92.39973001	47.88553427	2/20/1982	45.99	0.69
38.84298296	86.75260337	37.29338034	2/21/1982	48.33	0.76
115.0655551	181.435768	104.8090307	2/22/1982	41.87	0.63
47.88465825	86.02652088	42.3568615	2/23/1982	45.6	0.66
47.37264501	87.69630876	39.34220398	2/24/1982	46.92	0.68
124.1042748	183.491258	114.0803391	2/25/1982	35.5	0.58
105.0167261	148.4985775	101.0177767	2/26/1982	32.37	0.42
94.12468289	143.9012165	91.35824626	2/27/1982	32.58	0.84
82.11456988	128.5286771	78.74639019	2/28/1982	35.62	0.76
65.40311229	103.2333542	61.7053135	3/1/1982	38.92	0.66
60.94433871	117.8163108	59.03105992	3/2/1982	51.33	0.53
94.25037158	148.4302865	91.28688255	3/3/1982	39.06	0.68
62.20758557	102.902968	61.20071788	3/4/1982	40.23	0.76
29.12465903	75.55476481	29.36296481	3/5/1982	52.78	0.74
88.97839275	144.9998641	85.33945839	3/6/1982	40.67	0.77
77.08695779	126.3075233	71.05377135	3/7/1982	37.92	0.9
95.77606882	141.8503457	86.87078332	3/8/1982	37.88	0.59
100.953552	158.1652535	88.70754013	3/9/1982	45.84	0.55
73.39931818	117.0070969	64.60211776	3/10/1982	44.1	0.6
22.86239337	61.07941204	17.90718079	3/11/1982	56.17	0.73
14.15296011	50.33133589	9.76492903	3/12/1982	61.56	0.62
9.971936831	40.70561792	9.419518885	3/13/1982	62.93	0.74
72.07560789	128.4426486	62.69332392	3/14/1982	58.29	0.35
97.94063003	158.2260171	88.1387447	3/15/1982	44.07	0.73
66.82680065	111.5580676	52.5989843	3/16/1982	41.61	0.96
38.06363395	92.32918693	28.94451619	3/17/1982	55.04	0.81
54.55462207	96.72646406	42.82090555	3/18/1982	47.42	0.78
43.92077237	92.44225102	31.19415531	3/19/1982	52.88	0.77
57.34604301	106.0666234	44.71582667	3/20/1982	45.52	0.95
42.84300279	101.1332115	26.50864385	3/21/1982	54.81	0.81
122.0261764	185.7243137	98.14493787	3/22/1982	52.19	0.47
92.75578651	139.6409638	76.53624685	3/23/1982	46.08	0.59
84.93016696	130.6652357	68.49435519	3/24/1982	47.28	0.64
56.74766892	102.5967505	40.86484496	3/25/1982	52.11	0.78
166.5125649	239.3884996	138.863473	3/26/1982	49.06	0.49
200.1036014	267.2162448	170.5770678	3/27/1982	38.5	0.42
157.4093148	208.4329591	134.1047509	3/28/1982	35.76	0.4
103.9110816	147.5313781	85.34268724	3/29/1982	43.41	0.52
88.48722394	143.535383	63.43219152	3/30/1982	54.39	0.58

35.01757253	91.03280369	17.07131361	3/31/1982	63.32	0.73
112.1783378	182.9827863	92.0598746	4/1/1982	62.66	0.36
124.1228653	189.1090115	88.02432718	4/2/1982	59.29	0.32
106.5866885	188.7417563	53.97393181	4/3/1982	62.81	0.62
288.1497043	377.9478566	222.7290874	4/4/1982	59.35	0.2
161.5789618	209.9643407	134.4400383	4/5/1982	45.28	0.48
259.2644375	334.5598864	219.5853477	4/6/1982	43	0.55
227.8502769	287.0668666	199.1754722	4/7/1982	37.88	0.33
159.215246	204.0013879	133.7719881	4/8/1982	39.76	0.46
126.4194403	175.1172467	98.33719952	4/9/1982	42.82	0.75
114.8475959	156.0978433	94.18740893	4/10/1982	44.94	0.53
121.1901431	169.5207513	94.53417315	4/11/1982	51.42	0.5
94.67082225	135.7207776	72.7942911	4/12/1982	52.33	0.52
107.1619016	163.2897994	79.71128494	4/13/1982	65.46	0.47
98.21868735	149.0710042	66.79429451	4/14/1982	57.88	0.53
97.45881549	140.410792	71.94341474	4/15/1982	55.09	0.59
46.39631467	91.01785721	32.81680681	4/16/1982	64.32	0.7
20.31774069	57.49643376	0.697900763	4/17/1982	72.57	0.72
130.5981158	187.5225169	88.53881395	4/18/1982	60.6	0.48
113.8613061	163.1913908	72.32158032	4/19/1982	59.8	0.51
71.25952939	112.4358722	39.77394077	4/20/1982	58.32	0.75
74.60389986	124.3286698	39.78348785	4/21/1982	61.83	0.7
167.0129101	219.1957913	136.1203919	4/22/1982	50.87	0.41
207.6713968	268.4133927	173.8071075	4/23/1982	53.33	0.3
129.0295147	177.4660072	103.5221154	4/24/1982	59.49	0.37
133.655069	202.5124144	98.08484822	4/25/1982	64.18	0.49
34.94031487	89.05352551	19.03354465	4/26/1982	63.71	0.95
36.25785896	89.25726678	21.45227682	4/27/1982	65.58	0.9
185.3732981	255.7684704	141.2967505	4/28/1982	53.51	0.72
145.2358855	194.911972	114.268754	4/29/1982	52.2	0.63
108.3923256	151.1283066	82.38259255	4/30/1982	58.2	0.56
130.397869	186.4617554	85.74903169	5/1/1982	64.35	0.49
100.1598486	150.6702103	51.5048337	5/2/1982	65.83	0.53
103.7993938	153.7995194	54.17444031	5/3/1982	64.96	0.53
144.5836337	202.9639701	107.8641037	5/4/1982	61.99	0.56
129.5708346	184.4528339	95.44092249	5/5/1982	64.06	0.54
120.5598397	174.6204242	81.55609291	5/6/1982	66.09	0.58
86.38255822	151.467088	58.15259178	5/7/1982	72.09	0.59
96.38521043	156.9867095	53.95583579	5/8/1982	68.89	0.72
249.3006375	330.9627598	163.9703794	5/9/1982	64.93	0.5
242.8593331	314.0654306	175.138194	5/10/1982	64.81	0.39
205.7888345	266.9556207	143.6217381	5/11/1982	63.34	0.42
94.2092198	143.2522188	39.27597034	5/12/1982	71.35	0.53
80.03909953	138.8750916	34.95211485	5/13/1982	73.3	0.65
116.8464955	177.5451459	48.03242278	5/14/1982	71.7	0.63
128.3216891	179.6380453	73.19993611	5/15/1982	69.16	0.59
121.6582866	180.5244694	52.77303295	5/16/1982	71.25	0.68
97.37608549	150.2553084	44.76576613	5/17/1982	74.49	0.63
116.7529745	176.4094744	55.10123362	5/18/1982	71.32	0.76
118.1964974	186.0235257	58.81175744	5/19/1982	71.41	0.84
147.5478219	226.5122203	66.38248968	5/20/1982	74.78	0.74
103.3250685	157.8925219	51.32499153	5/21/1982	71.54	0.81

90.16540685	146.1050272	37.27968714	5/22/1982	71.39	0.91
119.667613	185.8366515	58.97194977	5/23/1982	68.38	0.95
102.694493	160.153147	47.63374192	5/24/1982	68.74	0.95
98.21102367	156.6133465	38.08171069	5/25/1982	71.72	0.89
126.8599181	187.8119244	64.13729015	5/26/1982	69.33	0.86
124.3586029	187.7362174	52.17774713	5/27/1982	70.13	0.88
85.09364319	148.7636658	15.84608276	5/28/1982	74.46	0.91
86.84761608	151.9863816	20.91162609	5/29/1982	78.45	0.78
111.9898241	186.1091341	29.93370378	5/30/1982	75.75	0.87
100.3407303	161.7206213	27.32730876	5/31/1982	78.87	0.76
117.1235742	179.3562002	49.77514738	6/1/1982	73.96	0.89
207.1269499	278.2614259	132.4758015	6/2/1982	71.18	0.72
216.3812298	290.4212764	127.0373274	6/3/1982	70.51	0.79
203.7311974	273.8438485	115.6920288	6/4/1982	64.3	0.99
158.5303835	224.2943976	77.30894246	6/5/1982	71.94	0.87
264.1718813	345.4223212	167.8924804	6/6/1982	68.28	0.73
252.8100475	332.4925807	155.5978111	6/7/1982	67.44	0.78
150.6836415	207.4089533	78.51960841	6/8/1982	70.38	0.78
129.7381424	183.9649435	62.52245635	6/9/1982	72.47	0.79
193.2231959	259.7519123	115.6992792	6/10/1982	67.73	0.81
161.0946338	216.2848894	93.69903366	6/11/1982	70.48	0.7
226.0237611	291.2467163	139.8824661	6/12/1982	67.59	0.71
196.8439837	267.5803513	117.0182209	6/13/1982	66.24	0.92
165.0008347	222.9685177	101.6006037	6/14/1982	68.31	0.81
176.1979847	248.7600532	93.27215285	6/15/1982	74.44	0.75
161.8976942	250.5380542	61.02167011	6/16/1982	78.47	0.77
142.2459395	210.8765629	67.37676756	6/17/1982	75.08	0.84
130.7894341	186.2435332	74.37800216	6/18/1982	72.88	0.86
163.1584632	233.1113332	96.25058514	6/19/1982	76.54	0.78
178.4470542	240.0254291	122.1881633	6/20/1982	72.98	0.75
168.418202	231.3110893	108.3828953	6/21/1982	77.17	0.71
153.6525963	211.463454	106.5158622	6/22/1982	73.21	0.8
206.0365836	267.7330201	147.3828075	6/23/1982	73.19	0.66
201.8069035	260.244614	148.2446045	6/24/1982	70.93	0.66
213.2083633	282.2066488	154.1633924	6/25/1982	73.75	0.73
178.5162899	249.8931499	121.3313732	6/26/1982	77.51	0.76
141.0661123	202.340763	93.55583736	6/27/1982	77.08	0.82
158.4796781	226.0751557	104.6377209	6/28/1982	78.73	0.78
157.5706024	230.2671498	86.25412089	6/29/1982	80.57	0.78
187.0127798	254.5025363	130.6790997	6/30/1982	77.84	0.74
327.9295294	402.5313092	261.6665203	7/1/1982	70.51	0.6
228.023139	288.809676	176.776948	7/2/1982	73.09	0.64
240.6620395	322.056878	169.0909375	7/3/1982	78.55	0.73
219.9926963	290.2067351	149.7286686	7/4/1982	74.47	0.76
235.5191521	300.092824	167.277885	7/5/1982	72.27	0.71
198.1910609	259.5208783	153.3027324	7/6/1982	73.29	0.75
156.2911665	219.33303	112.2815908	7/7/1982	79.79	0.75
160.2357692	229.6553108	102.2307687	7/8/1982	81.19	0.77
132.9105034	190.3101351	69.29467959	7/9/1982	81.16	0.76
149.450008	207.413231	84.56812937	7/10/1982	75.99	0.9
149.2878604	210.2505507	80.28075711	7/11/1982	77.17	0.91
157.3592408	217.1389224	89.46553569	7/12/1982	76.04	0.91

154.755592	213.011368	91.67421173	7/13/1982	75.35	0.91
118.9400728	169.9564775	61.2427692	7/14/1982	76.29	0.92
115.6190096	168.7895143	57.49510421	7/15/1982	77.13	0.91
129.2070783	182.2227493	61.98778941	7/16/1982	79.38	0.86
129.1297355	177.692267	59.01279553	7/17/1982	81.49	0.84
181.8312073	243.5944576	93.50792581	7/18/1982	83.48	0.78
170.3181677	225.3154255	90.3941245	7/19/1982	83.63	0.77
205.5168095	257.6541822	126.2558348	7/20/1982	81.34	0.77
256.7358066	303.3016543	172.6779255	7/21/1982	76.96	0.7
224.2549318	271.7966153	144.5688579	7/22/1982	78.84	0.75
214.8405462	266.2810546	136.2864277	7/23/1982	75.1	0.92
188.8786021	233.6289117	115.2334327	7/24/1982	77.01	0.84
170.6615539	212.9027532	99.84265275	7/25/1982	77.75	0.81
171.9057234	219.1965175	96.3713528	7/26/1982	82.03	0.74
136.3348824	181.9718964	68.61799849	7/27/1982	83.13	0.79
232.6501015	294.3143173	133.9459057	7/28/1982	80.75	0.83
253.0960469	300.3983233	167.6515531	7/29/1982	76.53	0.72
171.4278886	215.0720439	94.70456465	7/30/1982	77.13	0.93
178.2931037	226.501408	99.17644706	7/31/1982	77.03	0.92
224.3186384	273.5896026	141.5968112	8/1/1982	77.94	0.76
168.457095	206.0172226	99.59401599	8/2/1982	76.91	0.75
239.0578076	287.8408047	154.3287707	8/3/1982	76.42	0.75
172.6650229	216.3818892	97.6672062	8/4/1982	78.7	0.77
182.5468153	230.4053589	98.84747947	8/5/1982	80.54	0.81
177.5955282	226.7749516	94.79758961	8/6/1982	79.18	0.85
189.2353585	239.6905894	103.8440234	8/7/1982	77.46	0.9
197.1051591	252.3456136	102.6715476	8/8/1982	78.46	0.89
251.3967188	326.4250395	142.6812233	8/9/1982	77.03	0.89
210.3733914	266.3710912	117.9967824	8/10/1982	79.26	0.82
179.0321695	225.1935723	101.562723	8/11/1982	74.6	0.92
282.586091	346.2507811	188.807313	8/12/1982	68.47	0.87
200.5958928	242.398814	130.8438169	8/13/1982	71.13	0.77
170.1427843	209.1961834	106.7521814	8/14/1982	72.79	0.81
177.886244	233.0716909	104.9816941	8/15/1982	74.64	0.84
191.5683199	252.4192447	107.3624332	8/16/1982	74.23	0.89
211.6439782	285.4179172	121.658958	8/17/1982	76.38	0.82
221.9073603	280.9395939	139.111829	8/18/1982	72.87	0.79
184.0607223	235.4661721	113.3932832	8/19/1982	74.04	0.77
246.1792496	329.426348	148.3799068	8/20/1982	78.33	0.73
246.8653724	322.9899389	159.0093402	8/21/1982	74.57	0.72
281.2535964	355.2402788	189.8403498	8/22/1982	69.54	0.78
175.3181348	245.2291767	94.83739239	8/23/1982	75.24	0.88
144.9378929	207.2310154	75.28355724	8/24/1982	78.57	0.8
244.9403991	333.6119934	143.6509477	8/25/1982	78.94	0.74
229.0314995	295.134924	154.8352534	8/26/1982	70.29	0.69
212.2229963	281.4381698	127.4615811	8/27/1982	71.92	0.87
267.4869265	349.477695	170.2566458	8/28/1982	72.58	0.76
337.3935587	411.4854603	249.8859148	8/29/1982	60.49	0.66
250.4314519	319.9355476	166.5087065	8/30/1982	64.11	0.81
200.8924931	279.210215	118.8017399	8/31/1982	73.66	0.78
201.614332	293.2268114	115.1689709	9/1/1982	76.05	0.8
161.0808948	247.1993188	96.65167538	9/2/1982	78.84	0.8

168.8779729	243.7912058	116.0543074	9/3/1982	78.74	0.72
231.1132232	300.4026089	184.9802552	9/4/1982	70	0.65
223.8669892	288.7586409	180.6244549	9/5/1982	66.75	0.74
183.8382834	241.6466718	144.6565858	9/6/1982	68.48	0.73
169.8819416	228.2973007	128.7570297	9/7/1982	71	0.75
164.2357529	225.242638	125.5804412	9/8/1982	67.23	0.89
158.260837	215.8932834	123.4747428	9/9/1982	68.25	0.8
158.8826849	219.8688621	119.5707538	9/10/1982	68.76	0.83
126.5385714	181.4774882	93.87477716	9/11/1982	71.14	0.81
119.6523555	174.3211905	86.82472756	9/12/1982	72.92	0.81
101.5107509	152.9175898	72.32748272	9/13/1982	73.03	0.85
123.5927781	179.9061286	91.35575542	9/14/1982	72.13	0.84
114.5953132	172.0156335	80.66777047	9/15/1982	74.91	0.82
167.8787083	243.3445229	118.5760467	9/16/1982	77.12	0.76
268.9147264	346.1976791	218.4412243	9/17/1982	68.92	0.62
206.7953551	280.5628712	156.6504488	9/18/1982	73.81	0.71
231.3800647	305.5083775	183.269147	9/19/1982	69.27	0.7
145.1690326	206.2749698	106.3643371	9/20/1982	69.4	0.9
208.2471044	280.8592223	158.0243085	9/21/1982	65.7	0.88
239.9882476	317.0102328	152.3206129	9/22/1982	62.74	0.9
224.3125817	288.0772478	174.485368	9/23/1982	60.41	0.78
182.6244639	237.969098	140.8504126	9/24/1982	61.35	0.78
173.8822903	232.257062	130.8760659	9/25/1982	64.14	0.78
221.8628238	308.3371378	154.8787322	9/26/1982	63.58	0.99
206.4526581	279.030305	146.3347414	9/27/1982	65.88	0.82
160.2113263	214.6632351	114.5289972	9/28/1982	65.37	0.81
181.7284489	246.3351428	129.6809359	9/29/1982	64.63	0.84
205.1217417	280.7387393	143.4578329	9/30/1982	63.47	0.91
138.1931715	188.6756547	98.0427375	10/1/1982	64.19	0.85
149.1861134	200.5102769	108.5226869	10/2/1982	65.01	0.79
141.140606	192.0968077	104.8967677	10/3/1982	63.09	0.8
84.80306798	126.968734	52.90571773	10/4/1982	69.03	0.84
72.93367217	118.7183586	41.99447441	10/5/1982	71.58	0.88
91.41630535	141.7371393	56.15029111	10/6/1982	71.21	0.84
127.0834469	187.6492911	84.76920052	10/7/1982	69.58	0.83
127.3358018	189.5310755	83.12965816	10/8/1982	70.58	0.82
124.837449	190.6324622	78.33327061	10/9/1982	71.14	0.86
225.7680848	296.5100838	175.371472	10/10/1982	59.43	0.83
161.0289716	210.6749967	124.0784776	10/11/1982	57.3	0.78
129.4392271	179.0627347	92.51536717	10/12/1982	62.34	0.85
147.1571116	209.2568178	100.9941785	10/13/1982	60.74	0.98
215.2897781	285.880574	160.8514527	10/14/1982	61.88	0.71
254.7564575	326.6200774	194.304537	10/15/1982	58.7	0.66
310.9737153	387.2930006	247.6478367	10/16/1982	54.97	0.54
237.2294205	295.347638	187.9649253	10/17/1982	46.61	0.66
183.275096	231.904584	141.7769262	10/18/1982	49.29	0.71
142.5898353	193.9981712	102.5419726	10/19/1982	57.58	0.78
115.1936594	171.8015788	70.45387253	10/20/1982	63.84	0.85
215.1213649	284.176877	156.9766814	10/21/1982	57.15	0.73
259.5416439	324.6655306	203.9572456	10/22/1982	46.78	0.65
275.9398735	341.9713275	217.6516632	10/23/1982	43.61	0.68
302.0047476	380.8865679	233.4925824	10/24/1982	45.62	0.76

291.4965908	383.0365093	208.828439	10/25/1982	48.14	0.97
207.1001703	266.845526	153.2410353	10/26/1982	52.6	0.69
106.1039327	140.9533381	77.74789449	10/27/1982	52.08	0.75
80.61205906	112.2437258	60.07235604	10/28/1982	52.63	0.75
104.9702594	145.3391144	76.40092929	10/29/1982	54.1	0.74
97.83011	137.065911	68.38651507	10/30/1982	57.16	0.68
96.95227433	140.2331408	62.53434305	10/31/1982	59.84	0.73
65.19095207	111.7655493	29.90135035	11/1/1982	64.94	0.79
34.51512233	79.09691403	15.94025906	11/2/1982	67.09	0.87
37.85392583	85.87255624	13.57226688	11/3/1982	67.97	0.84
45.13406626	111.322063	17.3496837	11/4/1982	68.29	0.89
205.2735034	266.2151026	164.5328821	11/5/1982	47.6	0.65
136.1547483	172.4950309	108.2460812	11/6/1982	39.42	0.66
114.9962006	150.5184345	90.46895275	11/7/1982	42.83	0.67
134.7771237	180.391561	103.0071151	11/8/1982	48.73	0.64
114.5821662	160.8366112	81.74378271	11/9/1982	53.79	0.7
129.1411133	177.4104228	92.58912419	11/10/1982	49.8	0.69
121.6179202	172.9626147	87.17868293	11/11/1982	53.36	0.74
82.46413728	164.7680593	21.69593254	11/12/1982	65.87	0.8
234.6463288	310.2023938	158.7632966	11/13/1982	48.2	0.69
159.6789408	205.0123279	119.3245647	11/14/1982	40.54	0.74
194.9269984	252.9742942	152.979323	11/15/1982	41.33	0.73
131.3741762	171.6071342	103.2346549	11/16/1982	37.59	0.72
88.9598017	121.476541	63.5441762	11/17/1982	44.92	0.78
103.7667056	149.2914529	68.65151932	11/18/1982	49.03	0.82
86.41090217	138.8640199	49.21408082	11/19/1982	51.04	0.98
69.72718547	116.3656084	35.08911493	11/20/1982	56.4	0.85
36.52148725	68.47929148	15.64407467	11/21/1982	56.72	0.92
36.72917979	69.883965	15.65200463	11/22/1982	58.3	0.84
37.48404188	76.38553775	12.4711806	11/23/1982	60.7	0.84
142.9701007	211.2065088	91.43007847	11/24/1982	56.59	0.67
139.2193711	183.463557	105.6529561	11/25/1982	39.67	0.59
119.0534618	168.4089692	82.68807857	11/26/1982	48.3	0.77
143.4520699	200.2690511	104.3674893	11/27/1982	45.1	0.74
108.3596668	152.7249048	77.26750055	11/28/1982	39.77	0.95
74.10469775	123.8614531	39.68203365	11/29/1982	53.35	0.88
75.31065733	119.2548887	45.91407207	11/30/1982	50.13	0.84
38.84168606	79.32400405	9.695775027	12/1/1982	55.44	0.97
22.28989164	54.95146702	3.292671981	12/2/1982	58.08	0.95
39.86827374	91.23147332	9.683665833	12/3/1982	57.8	0.96
14.76701533	61.88219635	3.105152672	12/4/1982	65.62	0.88
15.4735997	54.98821213	0.708015267	12/5/1982	67.59	0.86
59.16987186	125.139856	14.51857205	12/6/1982	64.75	0.75
153.2793631	210.0867799	110.2897856	12/7/1982	47.64	0.63
117.7744783	161.7383741	85.30058892	12/8/1982	43.39	0.74
213.7585207	281.0558095	164.5925753	12/9/1982	40.44	0.64
156.2521596	206.0951304	119.2363662	12/10/1982	33.46	0.68
138.6741578	195.9308096	95.35502163	12/11/1982	41.64	0.93
204.7829236	272.3062987	158.3651953	12/12/1982	27.23	0.94
150.1224551	196.0467792	118.327139	12/13/1982	21.99	0.83
146.6648657	193.134163	112.6663966	12/14/1982	27.17	0.83
87.31017584	127.7937674	60.89531261	12/15/1982	40.46	0.83

58.47312573	116.5577761	21.32393435	12/16/1982	55.67	0.81
169.3908016	230.7226035	124.7958139	12/17/1982	38.57	0.68
154.5155081	201.8330004	118.5908483	12/18/1982	32.26	0.64
86.23215352	120.334665	62.5460988	12/19/1982	31.48	0.92
126.1536339	176.4173142	91.39479056	12/20/1982	36.98	0.8
122.3849943	167.4928414	91.66314071	12/21/1982	37.04	0.61
84.77047386	116.4310747	61.04360443	12/22/1982	34.08	0.72
85.29898692	130.1348414	54.39520144	12/23/1982	42.96	0.79
24.58018237	59.92449088	7.788744064	12/24/1982	50.4	0.95
8.599956982	29.77687066	6.51302347	12/25/1982	61.47	0.85
9.349118847	43.59152733	2.860093013	12/26/1982	64.71	0.74
47.82589928	89.35421644	23.81344605	12/27/1982	51.52	0.79
10.55688621	43.51099659	5.008923627	12/28/1982	60.86	0.89
20.61308864	64.66908847	11.96762091	12/29/1982	56.26	0.91
139.4140935	191.6016122	104.9138742	12/30/1982	38.57	0.65
92.74845156	136.4993284	69.44118474	12/31/1982	37.06	0.92
58.4507834	92.15934491	38.17538794	1/1/1983	40.15	0.94
51.63059699	85.2993709	30.9577828	1/2/1983	42.09	0.97
117.361127	170.4027096	83.49906957	1/3/1983	37.43	0.77
146.8242865	204.3262415	100.866644	1/4/1983	33.96	0.64
101.7602314	152.3549044	52.8501086	1/5/1983	36.1	0.95
73.22745185	113.1973779	36.57098159	1/6/1983	39.49	0.86
93.17440021	145.6522857	36.57398092	1/7/1983	46.79	0.68
82.76247548	121.6744224	49.18830468	1/8/1983	39.6	0.65
81.71241643	126.2156334	46.35589829	1/9/1983	41.38	0.82
23.21880063	62.40539847	9.09707252	1/10/1983	49.73	0.99
68.6505871	117.5994294	35.74335371	1/11/1983	47.97	0.79
135.9629886	191.4784396	98.95659252	1/12/1983	38.83	0.63
89.53298337	122.8396162	68.16159691	1/13/1983	29.49	0.64
110.2659095	154.9353738	76.4111853	1/14/1983	36.12	0.66
87.89959279	132.9505035	46.97161521	1/15/1983	37.08	0.84
153.4232131	206.5939437	105.7648573	1/16/1983	35.12	0.46
110.5744135	153.1252397	76.01732676	1/17/1983	33.15	0.58
145.4671079	194.0460112	110.922489	1/18/1983	26.24	0.54
160.9652404	213.1907618	129.2404008	1/19/1983	23.8	0.5
142.3433835	180.083155	108.9174422	1/20/1983	25.32	0.49
122.4130718	157.9283783	87.59196786	1/21/1983	31.84	0.48
75.27152671	112.3434573	43.76659615	1/22/1983	36.99	0.92
47.98730795	84.2955632	24.6593037	1/23/1983	38.19	1
47.93329846	81.00852036	24.92904001	1/24/1983	42.06	0.79
50.34059856	80.20751239	28.20845994	1/25/1983	41.8	0.67
53.50600191	83.57384529	33.97492169	1/26/1983	37.38	0.75
68.90459735	110.5083078	39.43383315	1/27/1983	37	0.89
111.3267559	165.0077544	71.57117034	1/28/1983	37.69	0.72
61.10869626	92.67271652	38.76374547	1/29/1983	37.11	0.7
35.76758376	70.47176097	15.2502891	1/30/1983	44.83	0.84
28.74683025	53.67318017	12.25933606	1/31/1983	43.64	0.76
62.98702148	102.3452892	37.68920137	2/1/1983	40.98	0.73
6.754460528	29.62854485	3.804622703	2/2/1983	54.54	0.94
62.96631695	125.0519243	32.01548377	2/3/1983	50.59	0.66
157.1467813	218.7447459	115.8682097	2/4/1983	36.67	0.47
110.1736868	153.3280314	80.25962457	2/5/1983	32	0.53

83.17824707	127.2195336	54.36580093	2/6/1983	31.86	0.93
80.47073072	128.1647421	50.29986187	2/7/1983	37.33	0.81
110.409308	157.5958929	78.98478791	2/8/1983	35.38	0.56
72.60759327	107.150298	47.91165008	2/9/1983	32.05	0.68
81.11273212	121.9167754	54.43649321	2/10/1983	31.64	0.79
156.1798246	226.6766402	113.8454125	2/11/1983	26.77	0.92
107.6990743	151.966633	80.47932047	2/12/1983	27.41	0.69
89.14324243	123.9780366	67.61447804	2/13/1983	27.74	0.62
91.61262391	147.6273493	59.85766867	2/14/1983	34.43	0.9
50.46234547	82.07637283	31.32634896	2/15/1983	40.22	0.65
45.55433313	76.80089563	23.47598203	2/16/1983	40.6	0.77
41.91084668	84.10527094	18.29292668	2/17/1983	40.06	0.95
70.3815513	115.2559744	40.60775945	2/18/1983	41.94	0.68
48.82871329	80.73950805	28.58884066	2/19/1983	41.04	0.65
51.83499996	85.03924835	31.39852369	2/20/1983	40.91	0.67
37.14033062	72.17742986	15.5647472	2/21/1983	45.79	0.73
32.2433825	69.63046256	13.32437262	2/22/1983	52.3	0.62
17.00746277	58.71310378	3.313623347	2/23/1983	49.71	0.92
70.22203272	113.784269	44.21068063	2/24/1983	42.92	0.65
75.36151217	125.5752916	46.60779356	2/25/1983	38.74	0.89
143.0904467	206.2723589	105.5662117	2/26/1983	35.34	0.6
89.25389747	130.5584108	64.51804123	2/27/1983	37.03	0.54
56.80847903	93.53811854	28.2462934	2/28/1983	43.52	0.67
45.42885776	116.9771083	4.740154557	3/1/1983	45.95	0.98
78.0249843	136.0538235	42.26456944	3/2/1983	55.48	0.46
37.52596465	78.19443511	20.54270127	3/3/1983	52.6	0.54
39.47769813	79.01770568	16.09356089	3/4/1983	61.64	0.52
14.60063333	50.28927259	2.356807247	3/5/1983	59.47	0.75
10.22285506	35.95130423	0.091030534	3/6/1983	56.96	0.95
0.283206107	11.51947779	0	3/7/1983	64.57	0.97
50.77334199	106.8355679	15.89561667	3/8/1983	48.4	0.98
54.21771571	102.057254	25.2918814	3/9/1983	45.03	1
38.87866971	76.00107484	14.40469803	3/10/1983	48.09	0.93
123.8865026	198.5999223	76.07614825	3/11/1983	45.4	0.79
195.0179139	281.4937863	137.3545329	3/12/1983	45.51	0.55
95.49744391	142.3187657	63.19576922	3/13/1983	47.38	0.52
62.80082735	104.5904791	35.21102153	3/14/1983	51.42	0.57
43.63505826	84.78182169	21.3322718	3/15/1983	61.35	0.53
127.6650367	192.8303496	84.37210284	3/16/1983	49.47	0.57
112.0106833	183.693676	67.78462597	3/17/1983	48.34	0.82
19.86804209	68.07286087	6.51213711	3/18/1983	56.66	0.99
51.20046013	114.0404819	25.0041019	3/19/1983	57.93	0.77
65.26588038	120.457741	45.67158701	3/20/1983	57.26	0.61
73.56709665	142.4180278	45.58469406	3/21/1983	60.37	0.68
238.985562	317.0938829	204.2699992	3/22/1983	43.45	0.44
163.2127091	214.2203553	140.9663794	3/23/1983	40.62	0.47
175.5832629	229.6851861	152.6334189	3/24/1983	35.26	0.58
223.7065536	291.1127975	196.51334	3/25/1983	39.42	0.41
130.6699923	175.1883255	113.3108416	3/26/1983	41.2	0.43
74.50647039	123.3488502	56.87408639	3/27/1983	48.24	0.89
63.2708379	112.7595385	48.54614685	3/28/1983	53.71	0.72
122.1478277	175.4824688	102.2242338	3/29/1983	48.94	0.58

113.6543274	158.7417076	101.1070542	3/30/1983	43.18	0.56
101.9049711	148.2909671	87.12990253	3/31/1983	41.01	0.89
91.68867266	135.0106609	79.86922156	4/1/1983	47.6	0.69
78.90908106	135.9511657	60.68867605	4/2/1983	52.28	0.84
73.86757668	137.0065487	55.25386606	4/3/1983	58.55	0.68
86.50552372	134.0909938	65.19724571	4/4/1983	56.04	0.58
58.73162918	94.66236147	49.80350194	4/5/1983	53.26	0.68
19.66765968	52.9225795	14.9135295	4/6/1983	56.91	0.97
17.08384271	54.35916564	14.62113187	4/7/1983	57.69	1
8.460029992	25.18389197	6.116176277	4/8/1983	64.95	0.96
25.31803935	73.9109017	16.01260936	4/9/1983	58.78	0.99
78.19876951	137.2731424	61.27540102	4/10/1983	54.92	0.87
161.0342084	229.3262761	136.1697795	4/11/1983	53.75	0.6
107.2518713	154.9703965	88.83490913	4/12/1983	52.3	0.61
105.1867628	156.9075926	86.73855308	4/13/1983	53.68	0.69
106.5251281	172.334628	83.55702881	4/14/1983	56.43	0.77
72.45278678	145.4279658	47.89943258	4/15/1983	59.95	0.88
242.6786192	328.0391555	205.3463985	4/16/1983	51.57	0.57
152.130625	205.4691134	130.1246085	4/17/1983	48.62	0.6
147.8008653	194.688635	127.5717675	4/18/1983	39.87	0.7
261.262794	337.3466504	225.8133352	4/19/1983	41.78	0.57
231.4471309	299.5529556	196.7989445	4/20/1983	45.21	0.5
115.8229059	155.3117392	95.44587061	4/21/1983	49.53	0.54
114.9282962	160.9173024	94.80298317	4/22/1983	56.12	0.46
95.5235801	149.9268767	72.17545584	4/23/1983	55.01	0.76
96.56827087	161.9864791	62.83593232	4/24/1983	55.56	0.89
237.8768687	311.1663287	196.6288351	4/25/1983	53.64	0.45
126.9265728	177.7406113	94.55915815	4/26/1983	60.51	0.43
84.74619426	128.0564984	67.56819754	4/27/1983	69.39	0.45
107.0553806	155.1902127	86.63450107	4/28/1983	72	0.42
98.20166249	158.1758798	68.97824708	4/29/1983	73.29	0.51
86.26673746	146.9647533	55.6071781	4/30/1983	71.04	0.62
67.29070088	125.5089282	36.23585767	5/1/1983	72.57	0.66
75.64914662	142.4808805	43.75119922	5/2/1983	73.66	0.65
79.49292806	148.5732123	44.81160178	5/3/1983	73.72	0.67
139.7637208	204.1982654	105.3579482	5/4/1983	64.18	0.69
134.5988028	184.1962375	112.5516833	5/5/1983	61.45	0.59
181.7673452	236.944148	155.3771075	5/6/1983	59.99	0.47
144.4068348	205.0678952	113.300392	5/7/1983	64.55	0.64
148.8791855	223.0209346	107.8928303	5/8/1983	66.78	0.71
228.3678532	290.2075168	195.2597592	5/9/1983	55.12	0.51
191.1769818	243.3583433	142.2396946	5/10/1983	55.67	0.52
160.5471129	211.4237681	129.9821807	5/11/1983	59.58	0.53
155.1111462	208.329139	106.8413214	5/12/1983	61.32	0.6
119.1810674	169.2224291	78.33494276	5/13/1983	64.42	0.67
74.18938837	126.3508919	45.21227166	5/14/1983	70.45	0.76
103.0998328	169.7834588	64.726264	5/15/1983	77.35	0.64
180.0608918	255.7155814	136.6031917	5/16/1983	62.77	0.85
228.4956703	286.0005276	184.9239616	5/17/1983	54.17	0.66
203.505406	261.3521748	164.3135034	5/18/1983	59.8	0.63
175.9222148	239.7490551	139.7532137	5/19/1983	62.16	0.77
64.22596222	123.617513	37.39182454	5/20/1983	71.58	0.87

47.17639135	97.91885672	25.38696698	5/21/1983	71.99	0.9
54.50587214	107.1711569	25.61886692	5/22/1983	70.12	0.95
77.23563075	142.6746044	41.69159759	5/23/1983	74.81	0.78
174.3514322	238.5716788	130.9359168	5/24/1983	68.1	0.68
166.6280947	219.2287178	126.0116091	5/25/1983	66	0.65
157.0234067	216.02325	112.8184095	5/26/1983	68.46	0.75
252.0062498	318.3861888	204.5481624	5/27/1983	61.42	0.61
188.2064848	244.5032546	139.9694404	5/28/1983	64.99	0.65
109.8520545	163.7244887	64.41683992	5/29/1983	67.56	0.88
96.40362237	155.3185668	48.10850889	5/30/1983	71.33	0.86
113.9764397	172.2914314	73.0230917	5/31/1983	72.09	0.75
131.2268226	182.7212434	97.76058017	6/1/1983	63.99	0.86
169.4092601	225.7038422	133.4151515	6/2/1983	64.29	0.73
166.0489444	233.5037257	120.2523586	6/3/1983	69.99	0.76
163.9976718	235.810123	119.952347	6/4/1983	71.41	0.79
123.9426721	176.7189237	87.15717295	6/5/1983	73.83	0.71
114.8721121	180.9527921	77.1599319	6/6/1983	74.85	0.83
126.2208125	191.4621728	83.72775806	6/7/1983	71.38	0.88
151.0021377	205.1576135	112.1306722	6/8/1983	70.66	0.73
179.6769434	240.6859605	150.595147	6/9/1983	70.05	0.76
205.2545773	271.657079	181.4527816	6/10/1983	69.55	0.71
175.5645103	234.9881234	148.0675745	6/11/1983	72.17	0.67
136.8332747	189.0717105	116.4565732	6/12/1983	75.41	0.66
105.4750317	158.2824775	78.24638505	6/13/1983	81.16	0.61
112.1484174	169.3268932	89.74394847	6/14/1983	81.63	0.66
154.7653944	220.0590131	134.0752941	6/15/1983	79.46	0.69
163.7617097	226.9704314	139.2587553	6/16/1983	79.57	0.68
167.6896995	232.865863	134.9667038	6/17/1983	80.29	0.67
187.3515233	259.6461806	156.8922094	6/18/1983	78.8	0.7
145.902923	208.206188	116.4271093	6/19/1983	76.11	0.85
174.7264755	245.882471	137.775967	6/20/1983	75.48	0.87
198.6701009	275.5002117	147.0716568	6/21/1983	74.37	0.86
236.3095251	315.0972015	205.2361181	6/22/1983	74.3	0.77
172.8366016	231.5302295	156.9648389	6/23/1983	74.85	0.7
189.2676421	258.9907258	163.7925213	6/24/1983	79.67	0.67
222.0756292	298.3855067	188.9463124	6/25/1983	80.62	0.6
213.2107326	279.7880042	187.9230492	6/26/1983	78.77	0.65
242.043666	328.5751727	200.5918497	6/27/1983	82.65	0.72
221.2523917	307.1687932	182.2179855	6/28/1983	83.05	0.75
249.8929385	321.4831134	223.7251843	6/29/1983	73.19	0.86
241.9488771	306.6650786	213.1983004	6/30/1983	74.73	0.72
191.0994987	258.9962852	168.1448425	7/1/1983	78.65	0.79
170.6085427	239.8933169	155.5377709	7/2/1983	84.79	0.67
142.6991734	193.6531882	126.9678664	7/3/1983	86.25	0.65
188.8047009	253.3483388	172.7386853	7/4/1983	84.18	0.72
212.1357746	259.5837373	200.6629951	7/5/1983	78.83	0.75
370.4212853	450.9048578	353.4057772	7/6/1983	76.84	0.64
386.2250241	460.2219663	370.2426379	7/7/1983	70.36	0.59
247.6017283	301.9002393	235.0478388	7/8/1983	70.24	0.67
275.6981843	344.8193349	261.8330225	7/9/1983	75.67	0.64
320.2794202	396.9646068	303.6163697	7/10/1983	73.5	0.6
230.1393584	290.3815719	206.524318	7/11/1983	72.65	0.71

190.3934738	253.0979569	175.3491192	7/12/1983	78.59	0.71
159.1982696	221.5673177	152.5080925	7/13/1983	83.04	0.68
259.3385009	329.2971015	250.0002536	7/14/1983	78.96	0.59
189.1365292	241.1049494	181.6749986	7/15/1983	82.95	0.62
203.2599432	264.2074951	196.7813024	7/16/1983	86.81	0.61
233.4659487	295.7077897	226.2579703	7/17/1983	85.95	0.6
184.9533884	225.2004501	176.2253172	7/18/1983	83.94	0.63
184.9003934	229.2878508	177.52315	7/19/1983	80.42	0.8
163.194246	207.5294246	156.5358408	7/20/1983	82.66	0.76
229.0185499	285.392382	221.2576252	7/21/1983	85.77	0.67
329.6986661	382.7829949	322.2212815	7/22/1983	77.13	0.68
264.3867584	308.1221337	248.3469046	7/23/1983	75.95	0.68
273.4087491	350.908825	250.0313919	7/24/1983	78.55	0.74
269.5405986	343.059854	262.9369629	7/25/1983	74.42	0.75
265.0765148	333.8376956	257.6287936	7/26/1983	75.41	0.7
254.4103854	321.4558467	246.5897815	7/27/1983	76.88	0.64
294.4855777	369.2161152	289.9792966	7/28/1983	77.45	0.62
260.2833724	328.8054622	256.7956845	7/29/1983	76.63	0.67
245.9462004	311.1618769	234.737206	7/30/1983	79.56	0.62
266.0639892	339.4657923	255.385537	7/31/1983	82.77	0.58
281.103828	364.1525698	273.4023757	8/1/1983	78.81	0.76
218.9172825	286.5049182	212.0339993	8/2/1983	77.07	0.82
254.0049089	328.2596462	244.2636216	8/3/1983	78.9	0.76
204.3370653	270.8189762	199.5267245	8/4/1983	76.96	0.81
179.3221735	242.6201441	174.5560155	8/5/1983	76.66	0.87
143.1049553	197.1412846	140.7070191	8/6/1983	78.11	0.8
145.6823506	199.5223603	143.1946214	8/7/1983	78.79	0.8
177.600561	232.6997155	174.9559163	8/8/1983	79.66	0.77
190.63	245.2260303	188.2060135	8/9/1983	79.99	0.74
239.4791772	299.3518351	236.2499996	8/10/1983	76.32	0.79
225.4638429	302.3882561	221.0733601	8/11/1983	81.63	0.74
331.1321234	414.3347571	326.8690703	8/12/1983	72.5	0.77
344.1618727	420.6780984	339.9648184	8/13/1983	63.7	0.86
336.2041544	411.7685288	328.3750194	8/14/1983	64.92	0.7
239.9783137	303.5560821	236.0015588	8/15/1983	66.81	0.7
217.6161398	283.8916154	214.9615963	8/16/1983	70.87	0.71
219.5455071	297.1766422	216.342073	8/17/1983	76.84	0.69
183.673984	261.2328042	181.9273239	8/18/1983	76.83	0.82
150.8729029	219.5508367	149.1192666	8/19/1983	80.09	0.78
146.6190239	214.2155932	147.1348063	8/20/1983	84.92	0.65
238.9820812	312.2841535	237.4079674	8/21/1983	81.45	0.56
201.1752524	275.8646507	198.1343921	8/22/1983	82.34	0.71
163.8746801	227.1131222	161.8391833	8/23/1983	77.99	0.86
255.9336553	327.9766916	252.1253563	8/24/1983	74.38	0.78
273.0941081	342.4355143	268.584923	8/25/1983	71.37	0.71
218.1084371	276.7701183	215.0763265	8/26/1983	71.82	0.7
219.1859812	294.3827816	215.2429698	8/27/1983	79.2	0.69
162.1838139	231.6031017	160.6932543	8/28/1983	77.24	0.85
167.3268106	235.3084235	165.9091498	8/29/1983	77.63	0.83
186.9327489	253.9860779	186.123111	8/30/1983	76.42	0.79
194.6296131	262.727705	193.7611518	8/31/1983	75.16	0.83
203.1391851	266.6974241	202.5234802	9/1/1983	72.44	0.84

207.526782	272.2124296	204.5840452	9/2/1983	70.87	0.88
218.6621761	286.2657513	215.8117583	9/3/1983	75.42	0.7
141.9357577	203.5103667	140.4971001	9/4/1983	76.09	0.87
163.9466449	239.5412124	162.2851286	9/5/1983	81.34	0.74
175.40744	253.7724569	173.9758613	9/6/1983	84.2	0.64
204.5082135	279.2528965	204.1546148	9/7/1983	83.85	0.6
304.792035	381.1064448	303.6834677	9/8/1983	76.26	0.56
195.5534198	251.6587929	194.3314934	9/9/1983	74.5	0.67
205.8347874	264.879496	204.5287541	9/10/1983	78.32	0.59
194.8552162	254.8954046	193.0508725	9/11/1983	80.83	0.5
184.1310028	249.7614533	182.5435889	9/12/1983	78.25	0.72
238.7834241	317.6875791	235.9857604	9/13/1983	69.49	0.95
358.4830476	446.6581137	354.8963407	9/14/1983	61.06	0.94
340.5229012	420.8374569	338.3829384	9/15/1983	62.06	0.72
233.737669	294.9473694	228.1175683	9/16/1983	62.91	0.77
221.8799103	293.5752414	217.1541341	9/17/1983	70.28	0.76
206.8829618	272.7101442	204.3050459	9/18/1983	69.92	0.69
195.0378025	258.8328462	190.9644951	9/19/1983	73.75	0.69
199.7105546	273.0422857	196.6252557	9/20/1983	75.41	0.72
225.562493	308.3855276	223.5321082	9/21/1983	68.22	0.98
362.1953788	435.9513808	360.6857106	9/22/1983	55.63	0.68
250.2308642	303.1099019	248.0344757	9/23/1983	52.9	0.7
281.6702104	342.4050317	277.917202	9/24/1983	52.21	0.73
229.0735319	284.5433664	227.1005562	9/25/1983	53.55	0.75
209.9829551	262.7951142	207.7624863	9/26/1983	55.8	0.78
209.5106938	269.527382	207.2754337	9/27/1983	60.03	0.78
217.0070726	288.6757489	210.1087091	9/28/1983	61.63	0.86
296.2964602	377.652916	282.3372197	9/29/1983	57.72	0.84
200.1362424	260.5848418	187.602541	9/30/1983	55.31	0.99
108.8886564	150.8620178	82.20576291	10/1/1983	62.25	0.89
129.9783246	176.4829247	97.92526666	10/2/1983	60.58	0.87
117.9171233	164.9758068	85.03985989	10/3/1983	64.77	0.8
132.1492038	185.9079448	91.44460541	10/4/1983	67.64	0.75
93.90501695	156.1337323	50.42561558	10/5/1983	71	0.87
129.1157138	177.9428285	96.88272756	10/6/1983	65.33	0.73
207.446576	262.9336253	160.8104146	10/7/1983	58.1	0.65
149.2109349	195.4893073	119.3915323	10/8/1983	57.56	0.73
160.1827362	212.0680328	116.0182002	10/9/1983	60.06	0.75
225.2226113	298.3328044	153.8881295	10/10/1983	59.16	0.81
175.9134109	245.4552084	108.3304623	10/11/1983	61.53	0.9
57.91897297	108.2630819	10.708089	10/12/1983	69.57	0.94
68.62818069	130.8485063	9.138409759	10/13/1983	71.22	0.89
199.4550694	259.1891442	142.4933399	10/14/1983	57.67	0.65
139.5330678	181.3369766	94.72032829	10/15/1983	54.91	0.72
148.6516195	194.6654611	117.3411699	10/16/1983	55.06	0.78
141.236389	189.4589105	107.6717653	10/17/1983	56.68	0.81
126.1014844	172.2006343	93.89533799	10/18/1983	58.08	0.81
185.1903688	249.6197922	140.3256128	10/19/1983	52.48	0.96
181.6420178	249.8091154	127.8072283	10/20/1983	53.48	0.96
218.7263318	284.9397634	161.7827511	10/21/1983	50.38	0.86
217.9654025	282.4329733	170.2573629	10/22/1983	51.24	0.79
129.9484782	192.4742197	85.03846205	10/23/1983	57.67	0.96

99.26733245	151.5795025	58.25552844	10/24/1983	60.34	0.91
182.5007827	245.5032764	132.6536205	10/25/1983	50.88	0.94
152.5479831	200.5934117	115.8432709	10/26/1983	50.88	0.74
235.6902779	294.0547262	188.5689583	10/27/1983	46.41	0.64
222.309394	286.5529506	176.591595	10/28/1983	54.17	0.55
233.0669234	297.1112072	183.497691	10/29/1983	56.94	0.47
171.5297652	216.3006819	139.6704863	10/30/1983	41.99	0.64
104.6362022	138.0081051	81.35895586	10/31/1983	46.06	0.75
98.09150137	136.03593	74.35646484	11/1/1983	50.64	0.76
82.53844082	117.6356957	63.00510165	11/2/1983	48.76	0.89
80.17427332	124.903755	58.78083703	11/3/1983	59.34	0.78
200.2851217	258.4856694	175.3858351	11/4/1983	44.87	0.56
147.108956	190.7276827	129.2882676	11/5/1983	40.94	0.68
157.0329411	206.2719856	137.6186485	11/6/1983	43.26	0.69
104.3225173	143.8256263	91.03134073	11/7/1983	45.99	0.74
75.53226234	109.1794896	64.92874391	11/8/1983	49.9	0.73
83.06042082	125.376991	68.87914419	11/9/1983	52.08	0.82
52.29927044	109.4475063	34.42631083	11/10/1983	59.17	0.93
211.9635869	292.8206981	184.2468884	11/11/1983	53.54	0.62
246.1727508	312.2869999	226.6098284	11/12/1983	40.17	0.49
132.525028	173.2025192	122.4442178	11/13/1983	37.81	0.61
122.6370168	163.1859841	112.9798168	11/14/1983	40.15	0.61
118.0085905	168.5945905	104.6243409	11/15/1983	42.79	0.91
161.1039362	221.9220364	144.5337679	11/16/1983	46.42	0.7
174.1650325	230.6196229	161.5212312	11/17/1983	42.67	0.59
133.0643556	178.8457879	122.2526587	11/18/1983	41.99	0.63
88.89550585	130.8753664	75.97372725	11/19/1983	52.63	0.58
69.58915861	124.6788418	53.96687007	11/20/1983	56.56	0.77
109.9437741	161.8395089	98.67880242	11/21/1983	52.38	0.63
95.24338613	138.2686643	87.9621447	11/22/1983	53.55	0.55
64.56615864	102.5463143	58.27881283	11/23/1983	52.36	0.71
19.31206742	57.72981413	15.13840576	11/24/1983	59.41	0.91
182.7001466	247.4946493	172.2012952	11/25/1983	42.33	0.68
125.7371367	171.834573	119.0574841	11/26/1983	46.34	0.55
71.51008162	102.792183	66.80897395	11/27/1983	47.32	0.62
27.02146924	71.86619203	23.98793976	11/28/1983	59.62	0.84
139.0239354	200.7741198	129.2921925	11/29/1983	52.11	0.54
133.7178478	180.6747199	126.5731066	11/30/1983	40.9	0.58
147.3057951	197.3221157	141.9351651	12/1/1983	42.12	0.51
101.720285	139.6713058	98.68307608	12/2/1983	37.68	0.64
116.1941346	166.1196584	110.4229331	12/3/1983	43.02	0.76
95.3674191	146.081799	90.57949385	12/4/1983	44.83	0.85
65.70811868	99.52135376	62.41201959	12/5/1983	43.06	0.83
77.47674871	137.8332544	72.86193465	12/6/1983	51.58	0.84
197.6102819	262.2003904	191.8963637	12/7/1983	37.51	0.47
102.9055451	137.8012974	98.63014747	12/8/1983	35.24	0.62
95.987275	132.2436981	93.98028732	12/9/1983	36.07	0.69
70.45510158	106.4724677	67.63175498	12/10/1983	44.38	0.69
99.23574998	150.863375	93.61308954	12/11/1983	44.66	0.78
25.44191312	76.12461381	23.17785104	12/12/1983	53.72	0.94
67.25678525	119.1330715	64.24986217	12/13/1983	48.49	0.88
64.39795309	110.429371	62.56185622	12/14/1983	48.03	0.84

88.68409039	141.0139739	84.90118983	12/15/1983	48.5	0.74
124.6342755	173.0733321	120.3926281	12/16/1983	41.57	0.57
84.91457768	118.4846176	82.39243016	12/17/1983	39.21	0.61
90.91950571	126.1611133	89.74718044	12/18/1983	35.08	0.68
176.2169648	235.4057393	171.3334113	12/19/1983	32.09	0.59
171.4536809	223.7677565	167.9043312	12/20/1983	25.76	0.5
138.3227585	185.1701143	136.1861406	12/21/1983	29.76	0.67
59.67256829	101.5530952	56.4018133	12/22/1983	42.16	0.91
104.3772584	143.6837104	97.43318544	12/23/1983	33.46	0.56
213.689501	263.0111156	207.1184754	12/24/1983	20.66	0.46
219.5651178	279.2311109	215.164884	12/25/1983	9.54	0.32
131.0550154	168.1217787	127.6753639	12/26/1983	15.15	0.41
111.4735672	149.9963855	108.8500384	12/27/1983	30.08	0.44
73.23773364	112.2626492	71.60337512	12/28/1983	34.43	0.8
105.1986325	156.65788	101.899287	12/29/1983	36.69	0.69
173.241968	230.2831323	169.9179442	12/30/1983	21.16	0.47
118.7391733	159.56754	112.5691126	12/31/1983	20.55	0.55
79.52165177	111.4952534	66.51412711	1/1/1984	27.7	0.53
40.75240261	59.00741801	31.89243649	1/2/1984	31.54	0.55
39.05067162	58.39150215	34.75076483	1/3/1984	33.96	0.63
61.37063602	91.29316573	52.65140146	1/4/1984	38.45	0.59
35.06771366	59.51163205	28.33023501	1/5/1984	39.78	0.76
45.01257578	80.91205234	34.53225054	1/6/1984	39.9	0.79
68.92658649	108.4503741	57.25595572	1/7/1984	36.4	0.62
76.73831238	114.4045461	64.40476908	1/8/1984	33.8	0.59
63.26843481	97.06579997	54.18184669	1/9/1984	34.34	0.62
48.03681472	85.59643667	32.80656517	1/10/1984	36.8	0.89
141.7803858	203.1565793	122.6594822	1/11/1984	27.78	0.66
130.9300337	174.1817108	114.5797409	1/12/1984	22.26	0.62
93.81298878	131.0227986	78.69360114	1/13/1984	27.58	0.81
60.56511004	93.72613743	51.56264271	1/14/1984	32.07	0.89
86.42640611	119.7268739	76.64208803	1/15/1984	28.5	0.66
55.9822194	80.02117175	49.42101948	1/16/1984	25.41	0.74
54.26406939	80.59165303	46.99521577	1/17/1984	31.03	0.77
61.39991705	94.63477521	53.31778402	1/18/1984	30.75	0.91
71.89510152	104.2232452	63.81476936	1/19/1984	27.32	0.84
63.22129277	87.40455894	57.42952038	1/20/1984	20.56	0.77
105.0453283	144.8817449	97.92605778	1/21/1984	15.43	0.67
60.57580046	87.0147873	56.4949514	1/22/1984	17.59	0.72
47.39112194	72.97116333	42.48176492	1/23/1984	27.25	0.78
23.02288238	49.06347733	18.53273072	1/24/1984	38.23	0.92
18.08187858	43.44880926	13.52813354	1/25/1984	44.22	0.83
33.56636406	65.89054588	31.92671958	1/26/1984	42.24	0.63
31.00043783	63.51749041	26.45064589	1/27/1984	43.56	0.61
77.57143667	122.3901145	72.57326444	1/28/1984	35.66	0.57
55.22741661	93.18199543	51.90627093	1/29/1984	38.27	0.62
52.2215267	91.45353159	48.53926943	1/30/1984	37.46	0.77
114.5913741	169.6591305	109.1791033	1/31/1984	34.23	0.5
67.09261505	100.1604412	70.6667453	2/1/1984	28.96	0.56
72.12144415	114.3791504	75.94277581	2/2/1984	36.7	0.59
30.15695065	80.89506572	30.41029425	2/3/1984	46.94	0.76
11.22845968	40.19088659	11.52544275	2/4/1984	44.7	0.95

46.7096204	83.61937845	44.24540252	2/5/1984	34.33	0.91
79.61743346	126.0063229	74.54044466	2/6/1984	28.99	0.8
115.4538098	166.2735245	110.0953405	2/7/1984	26.63	0.55
90.38911957	132.1361017	85.51212573	2/8/1984	26.33	0.59
57.29585051	94.27386391	53.41496675	2/9/1984	38.88	0.55
43.54226	85.1953969	41.05757671	2/10/1984	44.83	0.55
5.824649349	28.27354025	11.44198134	2/11/1984	54.62	0.81
4.550290761	19.35976148	4.207633588	2/12/1984	53.16	0.89
4.26457507	25.14807077	3.499618321	2/13/1984	56.98	0.86
0.788931298	20.13520478	0.606870229	2/14/1984	59.22	0.9
30.3448023	80.60256376	24.43052767	2/15/1984	53.17	0.72
27.2676189	70.9991953	22.79559967	2/16/1984	53.04	0.72
20.92837397	62.94738043	17.53845465	2/17/1984	49.53	0.86
28.9033143	66.22887437	23.18541749	2/18/1984	48.49	0.77
39.58719993	92.68016614	33.77188217	2/19/1984	55.78	0.65
61.14839456	122.5529026	57.10994728	2/20/1984	53.26	0.54
92.15301358	145.829774	86.05408683	2/21/1984	43.35	0.54
74.60890295	119.7356645	70.75000521	2/22/1984	42.08	0.57
69.17455299	126.7797488	64.62006239	2/23/1984	43.79	0.84
55.62948703	117.6296832	53.41619691	2/24/1984	54.92	0.61
148.5568166	228.4039766	140.5770647	2/25/1984	48.14	0.48
104.4907402	152.3309562	101.307725	2/26/1984	37.9	0.49
112.6650806	170.183142	108.2914464	2/27/1984	35.16	0.81
102.5487921	170.6066322	98.29058099	2/28/1984	41.07	0.86
196.927477	268.4553319	189.3592631	2/29/1984	34.08	0.44
162.3273542	220.4158572	159.031919	3/1/1984	32.51	0.4
124.3642319	176.319927	119.7190534	3/2/1984	39.15	0.46
88.03298339	125.7229244	85.56221947	3/3/1984	33.46	0.5
91.75179834	131.9110368	89.10123161	3/4/1984	35	0.57
42.20826428	83.21597583	40.99693822	3/5/1984	46.29	0.83
57.93793164	103.7564596	54.8476448	3/6/1984	44.49	0.82
98.38100178	145.5504468	96.26980615	3/7/1984	37.29	0.67
110.0515429	164.6234692	108.0768072	3/8/1984	38.27	0.71
180.0594131	242.479487	177.3169424	3/9/1984	29	0.47
101.831818	141.1095545	100.3208639	3/10/1984	29.03	0.53
121.3028234	173.3435177	119.3455779	3/11/1984	40.36	0.49
129.2249435	181.1465851	127.7049056	3/12/1984	32.87	0.51
96.43066393	144.3419382	92.97457428	3/13/1984	32.74	0.88
65.71924896	105.4454039	61.59949223	3/14/1984	41.64	0.75
54.76032026	92.63795641	50.62751035	3/15/1984	46.2	0.61
43.86696821	86.03303883	41.32759287	3/16/1984	57.83	0.57
103.7534284	163.2593362	99.83081066	3/17/1984	46.95	0.6
67.43147862	108.4809876	63.66592956	3/18/1984	45.33	0.68
51.00337417	88.14755473	49.37213261	3/19/1984	44.26	0.84
52.05722753	100.7487086	50.55032967	3/20/1984	51.16	0.71
78.1898095	148.4371498	76.64761639	3/21/1984	54.36	0.65
126.7995728	191.8588099	122.5342958	3/22/1984	51.55	0.48
127.7577506	185.1395195	127.1004108	3/23/1984	50.24	0.41
78.89879198	119.4794903	78.70754761	3/24/1984	47.25	0.55
57.63259887	107.554272	56.54736724	3/25/1984	47.62	0.92
103.0149451	157.4346242	101.7540527	3/26/1984	46.18	0.69
77.48226387	121.0731029	76.84462532	3/27/1984	48.82	0.64

58.92854956	112.7755864	58.79256259	3/28/1984	51.44	0.84
178.2464347	254.8304955	176.5624296	3/29/1984	41.69	0.7
165.2476886	227.828279	163.6065055	3/30/1984	46.59	0.44
124.6500666	172.2383521	119.9570856	3/31/1984	46.3	0.44
95.43014164	136.2710672	86.95676577	4/1/1984	46.2	0.51
85.58441697	128.4767436	77.2319751	4/2/1984	50.25	0.49
94.60593398	145.6932138	82.27765866	4/3/1984	51.71	0.58
37.36410224	86.2001203	29.2201141	4/4/1984	55.53	0.83
52.11622117	102.7908383	45.47534686	4/5/1984	59.82	0.69
136.1345432	195.7620211	123.786523	4/6/1984	51.16	0.53
136.8825186	191.4391516	125.1936873	4/7/1984	49.34	0.51
131.916203	185.189971	116.9474111	4/8/1984	51.67	0.47
115.4814829	164.3667805	98.35957255	4/9/1984	47.38	0.59
106.2577551	150.6002567	91.37998959	4/10/1984	47.93	0.58
115.1932389	163.8773807	94.64793296	4/11/1984	48.99	0.56
75.81396894	120.2656252	56.43857793	4/12/1984	55.34	0.55
61.37954479	117.3162625	44.62838137	4/13/1984	62.83	0.63
27.30459932	75.06855885	16.19775422	4/14/1984	59.89	0.88
28.53465208	69.23013094	17.55354637	4/15/1984	58.77	0.91
62.94600576	110.8794472	49.25544249	4/16/1984	57.19	0.81
130.3660817	192.5399278	112.4289687	4/17/1984	56.25	0.6
122.2643705	177.4980352	103.648705	4/18/1984	56.28	0.57
127.7535814	180.3752149	110.2217663	4/19/1984	54.54	0.56
88.57624082	135.080322	73.42385877	4/20/1984	57.03	0.64
97.65500502	143.5832369	79.26694223	4/21/1984	53.82	0.63
149.4793405	205.3211968	127.1255469	4/22/1984	43.97	0.73
114.6528757	169.2795668	92.30457821	4/23/1984	46.53	0.92
168.2125699	237.2058399	138.4354092	4/24/1984	54.3	0.59
136.7240969	199.6750654	110.3696193	4/25/1984	58.28	0.55
55.84929756	104.494691	42.2584381	4/26/1984	63.78	0.58
41.5939579	82.24710004	28.70274152	4/27/1984	68.58	0.66
101.7951501	162.7394224	73.87375476	4/28/1984	62.07	0.64
71.71780424	119.2093612	45.95148755	4/29/1984	63.68	0.66
74.97613947	140.928215	42.48403298	4/30/1984	68.13	0.73
157.9000588	227.4264264	116.4261999	5/1/1984	65.03	0.43
122.880097	175.1109501	92.46739689	5/2/1984	61.95	0.51
73.38944241	128.2060478	45.79726846	5/3/1984	62.03	0.87
129.3590214	217.3921502	99.94915697	5/4/1984	68.74	0.64
130.8869116	195.0516205	85.41930087	5/5/1984	66.41	0.54
84.95019524	135.3175045	40.87705558	5/6/1984	60.79	0.87
64.39423682	115.8965244	25.0194504	5/7/1984	64.44	0.87
96.77234082	172.0339452	60.07742979	5/8/1984	67.83	0.79
261.5973377	338.1406347	219.8405939	5/9/1984	57.89	0.49
171.0159779	223.8909925	141.6228357	5/10/1984	57.14	0.56
175.7462744	243.8149646	138.9902319	5/11/1984	63.94	0.62
128.2562193	200.7738474	93.75898606	5/12/1984	69.04	0.62
131.9942131	190.1885975	90.25964953	5/13/1984	68.01	0.56
202.2768249	270.7197826	156.8341655	5/14/1984	65.28	0.52
217.2901767	276.4517308	179.256966	5/15/1984	54.99	0.5
301.1522928	370.497671	253.3721564	5/16/1984	51.71	0.46
252.390032	314.6834407	216.651732	5/17/1984	53.3	0.48
147.1642222	193.6978571	119.5357433	5/18/1984	59.5	0.54

126.1281782	192.2942082	96.19468034	5/19/1984	72.83	0.48
100.2508335	162.5156814	76.34846525	5/20/1984	76.24	0.53
81.53516537	135.833898	50.62477089	5/21/1984	77.08	0.57
82.86628007	141.3077782	41.60759141	5/22/1984	79.8	0.62
108.5009058	176.1796295	57.08964243	5/23/1984	71.58	0.8
103.0577546	144.1011279	69.55143454	5/24/1984	69.72	0.64
142.8575909	199.9282695	96.8520267	5/25/1984	72.9	0.61
88.59649589	152.6851584	53.92329146	5/26/1984	79.89	0.68
135.5565206	198.5201371	95.16872151	5/27/1984	68.4	0.85
114.9060315	186.944538	67.60941371	5/28/1984	73.14	0.86
112.1755674	180.0872563	76.15115639	5/29/1984	70.12	0.93
273.1080496	346.8080806	231.0883951	5/30/1984	55.02	0.85
303.7466536	379.0277653	248.8807575	5/31/1984	55.63	0.65
209.6923259	271.0734457	173.753546	6/1/1984	59.32	0.7
221.4525253	288.8516333	177.6682244	6/2/1984	69.96	0.51
121.1885836	182.775009	85.36589013	6/3/1984	75.28	0.62
156.9631207	212.0220997	125.1482017	6/4/1984	71.07	0.54
146.3545345	207.5940501	106.3722984	6/5/1984	73.17	0.66
88.34423786	152.2239357	47.89770187	6/6/1984	81.36	0.68
63.68116562	108.2637704	25.96603271	6/7/1984	84.9	0.67
89.96900421	151.8620905	43.59602934	6/8/1984	83.61	0.69
123.895848	197.5967276	71.58384355	6/9/1984	83.83	0.64
150.4493955	229.0417476	94.67373349	6/10/1984	82.83	0.63
126.8537003	194.9420735	75.78629446	6/11/1984	83.14	0.65
114.0238607	183.3284459	67.68548684	6/12/1984	84.46	0.65
209.020726	294.3722774	137.8146658	6/13/1984	84.57	0.6
194.4333597	271.0852969	136.0985363	6/14/1984	82.44	0.67
245.4783343	315.5703435	191.2216508	6/15/1984	75.78	0.68
274.5530354	346.8565929	222.3702315	6/16/1984	70.78	0.74
145.2236445	198.3429365	108.7064313	6/17/1984	75.99	0.76
164.7978944	238.4436171	112.5866711	6/18/1984	84.46	0.65
170.6349562	243.0079887	123.0328585	6/19/1984	84.33	0.62
238.4258725	309.7175606	189.5926252	6/20/1984	79.67	0.58
264.34689	335.3169925	215.2564869	6/21/1984	75.93	0.62
273.8741084	338.7543773	227.9501607	6/22/1984	73.23	0.6
242.779406	305.8703624	202.7677566	6/23/1984	75	0.64
215.573952	283.7095054	172.3218646	6/24/1984	74.64	0.81
283.3459336	356.2036374	231.5730934	6/25/1984	75.58	0.59
311.0997468	381.8850301	246.2188213	6/26/1984	71.13	0.59
321.5790141	400.5251116	270.0701353	6/27/1984	78.12	0.52
309.8163281	395.0524313	253.0591559	6/28/1984	74.81	0.7
178.0618011	235.7442268	138.4718071	6/29/1984	74.82	0.79
122.5542381	168.9045475	94.09967245	6/30/1984	75.89	0.83
241.5536752	318.6936348	194.7490919	7/1/1984	76.54	0.74
166.4668943	223.2525545	132.8086425	7/2/1984	76.26	0.75
182.8329722	240.3439724	149.3018222	7/3/1984	76.66	0.73
226.1931499	298.9017782	186.2189076	7/4/1984	81.37	0.64
270.3210592	361.6151193	216.6802525	7/5/1984	81.75	0.69
256.3002851	335.1832213	208.7639	7/6/1984	79.23	0.73
262.1503687	333.3461904	216.6915398	7/7/1984	78.41	0.68
344.8672544	413.4239941	303.3811525	7/8/1984	66.71	0.6
188.2419697	235.9074004	160.5392053	7/9/1984	71.36	0.64

206.5845604	270.5281097	168.3424245	7/10/1984	71.91	0.83
166.7722362	239.5597207	122.6417961	7/11/1984	82.54	0.69
180.8923671	243.8413455	142.1676487	7/12/1984	79.36	0.7
133.6411687	181.7101717	107.0764867	7/13/1984	73.81	0.82
155.841302	208.1551456	123.3685316	7/14/1984	76.34	0.74
187.5524849	257.9694336	141.1629863	7/15/1984	78.97	0.78
233.1739154	313.6087463	172.8248102	7/16/1984	78.4	0.79
205.6633275	274.2066855	153.6859953	7/17/1984	77.33	0.8
231.4849828	300.8001323	180.4801031	7/18/1984	74.27	0.82
217.3002513	275.4370533	180.5691256	7/19/1984	72.33	0.67
219.7000725	285.2870968	175.2920427	7/20/1984	71.79	0.83
220.4681291	290.4421101	171.7007538	7/21/1984	71.14	0.86
193.7485505	259.7624604	146.6820724	7/22/1984	73.02	0.87
150.1240369	212.2845089	110.000408	7/23/1984	77.75	0.81
153.8453927	222.0333333	110.241496	7/24/1984	81.13	0.75
212.0691075	278.2030729	168.258894	7/25/1984	76.1	0.68
194.9411288	257.3961196	148.7768075	7/26/1984	71.67	0.86
245.5902986	324.3236849	184.0175398	7/27/1984	77.51	0.73
219.7319431	280.4109015	175.0178683	7/28/1984	67.94	0.81
247.8876777	315.3667934	197.4041883	7/29/1984	67.48	0.83
184.6135126	247.5454766	144.3786515	7/30/1984	69.28	0.83
130.6869475	183.7014106	96.03879641	7/31/1984	73.01	0.81
116.4099631	179.6161881	77.61008494	8/1/1984	78.1	0.81
137.1219695	213.4247352	90.68574912	8/2/1984	81.04	0.75
106.7567516	167.7236746	63.14532527	8/3/1984	79.93	0.81
89.63639451	134.0133449	42.94201819	8/4/1984	78.71	0.8
111.9096655	163.1806013	64.09278422	8/5/1984	78.01	0.79
85.96549176	124.7585052	44.76051253	8/6/1984	80.01	0.77
121.2582321	160.711702	61.75703066	8/7/1984	82.26	0.72
113.6277633	154.2329755	62.20688258	8/8/1984	81.88	0.73
103.4392428	139.3235292	58.68997164	8/9/1984	78.96	0.84
108.1587572	146.2167849	63.87345355	8/10/1984	76.82	0.87
121.5968005	161.5121788	71.61496671	8/11/1984	75.87	0.86
124.5533238	168.2890285	73.97319625	8/12/1984	78.43	0.8
120.0234986	164.7320122	69.44662145	8/13/1984	77.1	0.88
110.764417	156.0907309	57.24896149	8/14/1984	78.34	0.88
193.06541	252.6197166	117.0561506	8/15/1984	77.75	0.78
218.1551896	276.0360059	143.7811697	8/16/1984	76.5	0.72
223.3413438	278.970213	143.118469	8/17/1984	75.75	0.74
174.3182737	218.4935936	109.4701663	8/18/1984	70.72	0.86
154.2908891	197.39622	89.63128057	8/19/1984	73.65	0.82
326.0794646	404.2003147	218.4425746	8/20/1984	68.96	0.77
193.9244559	234.7481398	127.5291359	8/21/1984	67.71	0.71
241.9252151	303.5253106	152.8676136	8/22/1984	71.61	0.74
194.5009979	254.7115473	116.1322388	8/23/1984	71.48	0.8
301.28725	383.7391693	194.9680055	8/24/1984	70.25	0.69
260.4651453	333.6929086	170.0439592	8/25/1984	68.76	0.69
148.7787702	188.8949449	91.44725995	8/26/1984	70.04	0.69
216.9029209	285.7838007	138.6561674	8/27/1984	72.04	0.72
266.6321438	357.0156775	168.2507806	8/28/1984	74.73	0.72
196.0336576	267.7353341	111.1242477	8/29/1984	74.99	0.79
186.9914115	260.2831597	97.83158491	8/30/1984	79.62	0.72

253.1244175	331.2194482	168.254636	8/31/1984	74.51	0.61
194.3682499	252.1487657	131.4010278	9/1/1984	70.78	0.59
189.3978566	255.7767284	117.7890788	9/2/1984	77.18	0.64
198.5886028	276.5517125	97.91550556	9/3/1984	81.82	0.6
213.1335391	280.8182446	144.8984277	9/4/1984	67.6	0.88
289.8738061	364.6224863	219.8941856	9/5/1984	65.29	0.67
298.6822339	376.253022	227.0790638	9/6/1984	62.68	0.67
214.6190337	274.2904972	161.4500984	9/7/1984	60.75	0.65
227.0958835	292.3002433	171.3103752	9/8/1984	62.52	0.71
195.4860062	265.6854088	140.5071252	9/9/1984	67.26	0.77
134.361533	192.5137617	88.4171882	9/10/1984	71.02	0.81
87.15787405	131.9148103	49.88787604	9/11/1984	73.17	0.81
188.3255896	270.1318141	106.9564248	9/12/1984	72.66	0.83
140.7594932	210.2728078	76.12638399	9/13/1984	72.82	0.86
108.5631268	162.5935744	59.61252267	9/14/1984	74.71	0.84
239.6888041	317.3766179	178.9601896	9/15/1984	67.4	0.77
269.408377	338.2633071	218.0633675	9/16/1984	56.88	0.65
221.5190892	277.8998657	172.2948357	9/17/1984	56.89	0.65
193.0326864	246.6178464	148.144043	9/18/1984	57.45	0.7
138.5996821	182.5086437	102.9028794	9/19/1984	60.81	0.68
161.4890943	219.5297197	116.2350802	9/20/1984	67.63	0.67
135.9015432	193.8774104	84.04772606	9/21/1984	70.5	0.71
128.7741885	180.2696295	79.68343237	9/22/1984	69.82	0.67
133.7886934	188.7419308	90.1051615	9/23/1984	70.14	0.71
106.1134876	158.7062409	47.15437469	9/24/1984	75.5	0.69
74.47882203	116.4408986	29.69733597	9/25/1984	75.26	0.73
268.9518281	354.5947976	198.6308631	9/26/1984	69.04	0.65
402.4198479	500.399024	325.2284437	9/27/1984	54.27	0.62
354.0999912	440.4632402	261.6864179	9/28/1984	49.95	0.91
338.2793784	430.5717434	259.9607997	9/29/1984	53.43	0.89
244.61754	324.4003404	182.3623227	9/30/1984	59.95	0.78
263.8605277	340.2298787	196.9935323	10/1/1984	54.25	0.88
278.9129606	352.0915657	223.9775088	10/2/1984	52.66	0.69
238.9353983	301.2972587	189.5465971	10/3/1984	55.77	0.66
158.9788801	210.3929219	118.9251646	10/4/1984	62.58	0.65
130.3763369	180.6736057	91.96927725	10/5/1984	63.5	0.76
179.3132735	240.4927189	133.4588055	10/6/1984	60.67	0.75
156.8529765	206.3442603	122.5422785	10/7/1984	58.55	0.7
109.063695	150.1970934	83.7940551	10/8/1984	62.57	0.7
83.42259423	126.323592	63.36904958	10/9/1984	67.53	0.71
117.7412505	172.7903893	89.62390656	10/10/1984	63.73	0.8
143.8357829	203.8391138	112.3099777	10/11/1984	63.02	0.76
160.5812135	221.5378867	125.2253972	10/12/1984	61.78	0.74
233.1684006	310.5806285	169.3546987	10/13/1984	62.29	0.64
197.5552362	261.3350782	134.7740651	10/14/1984	60.7	0.63
125.3706284	174.8153998	77.26258472	10/15/1984	62.8	0.69
112.8359342	164.8960962	61.06499093	10/16/1984	64.29	0.75
106.5118953	156.2032987	57.27165831	10/17/1984	64.3	0.73
63.22976854	106.0618297	15.0959158	10/18/1984	68.82	0.75
75.11104571	136.7251246	25.27437396	10/19/1984	70.59	0.8
47.14482821	98.13588108	15.88670588	10/20/1984	73.7	0.73
107.0379222	185.3833564	70.57932966	10/21/1984	73.75	0.71

76.89781531	146.7496423	44.90784252	10/22/1984	72.84	0.8
87.22066293	143.4374217	54.35091129	10/23/1984	71.94	0.78
146.890358	203.4220847	115.7956354	10/24/1984	58.64	0.9
115.8917115	164.5149104	76.33212572	10/25/1984	60.43	0.89
97.7374454	151.0937608	44.67732746	10/26/1984	67.63	0.81
97.19831027	153.2477834	54.13232975	10/27/1984	69.93	0.74
78.10701505	150.3040645	33.15329069	10/28/1984	75.17	0.74
78.02679906	147.2963058	43.80050173	10/29/1984	74.53	0.73
145.0551579	204.2165641	102.3180498	10/30/1984	64.38	0.76
109.6195568	155.9985704	75.5490062	10/31/1984	64.47	0.76
106.9584838	151.5450978	74.27782957	11/1/1984	61.24	0.81
259.0020131	333.3624486	200.0088868	11/2/1984	58.46	0.62
295.0473191	364.2533392	240.621244	11/3/1984	46.54	0.54
180.6809003	237.8454517	136.3890723	11/4/1984	54.9	0.78
141.6912552	197.6813684	104.6004371	11/5/1984	58.24	0.79
266.3334108	337.0337401	222.5422726	11/6/1984	50.79	0.57
260.5029258	322.6926254	221.2405945	11/7/1984	41.42	0.57
178.4965833	222.775272	148.8793791	11/8/1984	40.95	0.61
138.9472609	178.5818116	114.0294039	11/9/1984	45.91	0.62
209.2040349	269.6366868	171.9742075	11/10/1984	53.16	0.51
131.160078	188.8148809	96.10767028	11/11/1984	58.71	0.73
235.4515794	294.4557996	199.7726128	11/12/1984	45.27	0.51
239.3446257	298.5477445	212.3958835	11/13/1984	41.79	0.48
202.4177496	253.4825725	176.3773017	11/14/1984	42.41	0.44
212.0401818	269.3819039	180.3016702	11/15/1984	49.52	0.46
195.5810778	252.9400466	167.3314332	11/16/1984	52.88	0.42
145.9948836	184.2908291	128.5230027	11/17/1984	38.56	0.49
121.4726287	157.7071361	105.2867907	11/18/1984	41.21	0.61
162.4074235	216.2006043	141.9467409	11/19/1984	40.66	0.8
230.4670876	289.5317349	209.7068605	11/20/1984	33.71	0.53
184.6906094	231.5782633	170.2965854	11/21/1984	33.24	0.57
166.8880177	212.4085469	153.7676398	11/22/1984	33.05	0.61
93.03999519	124.4851846	85.96395665	11/23/1984	34.2	0.61
89.19423143	119.3269554	81.07719875	11/24/1984	37.9	0.63
77.37051509	107.8023494	67.53738272	11/25/1984	40.97	0.63
87.52684767	123.1581115	75.90330924	11/26/1984	43.78	0.63
73.69500629	110.8776909	65.62802066	11/27/1984	47.71	0.73
59.2364718	117.3815747	47.72702034	11/28/1984	57.92	0.75
123.7544292	169.9711417	114.2679058	11/29/1984	42.21	0.61
113.4121999	155.6481048	102.0533086	11/30/1984	42.44	0.64
101.8561392	147.0401728	89.82813501	12/1/1984	47.85	0.59
86.25836639	124.2915658	76.28421811	12/2/1984	43.03	0.7
64.97771336	103.1582869	56.94675434	12/3/1984	46.79	0.88
111.2495637	151.996209	103.5132455	12/4/1984	38.37	0.59
126.9114618	175.4930013	116.0678965	12/5/1984	37.4	0.72
148.3562118	206.3038986	135.8041404	12/6/1984	36.8	0.76
179.490584	231.7405266	169.5295372	12/7/1984	26.15	0.49
134.8199873	180.761865	127.6489534	12/8/1984	36.13	0.53
64.06575732	93.14375681	59.07069575	12/9/1984	36.51	0.76
54.4421548	82.77763824	45.02782018	12/10/1984	41.74	0.77
67.13967625	109.7282535	52.42933416	12/11/1984	44.82	0.8
63.4778281	101.3646639	49.1410177	12/12/1984	41.92	0.86

27.87559013	60.28414793	15.00425887	12/13/1984	52.72	0.8
27.02463221	62.26471918	15.95488078	12/14/1984	53.03	0.83
16.09897345	47.55411696	5.819382648	12/15/1984	56.8	0.83
49.04248985	89.01885499	32.25653833	12/16/1984	47.47	0.91
21.79949585	60.57390474	10.11986356	12/17/1984	57.76	0.8
19.90420427	50.90581984	8.864216549	12/18/1984	62.25	0.69
43.45335366	89.68181655	30.7305917	12/19/1984	58.26	0.66
37.15479354	73.18977732	27.53696933	12/20/1984	51.92	0.83
53.26557329	95.0676942	43.01099016	12/21/1984	47.6	0.9
70.27035436	138.251603	60.04841887	12/22/1984	59.43	0.61
103.2555563	146.9182602	92.58754899	12/23/1984	39.54	0.57
102.6988347	150.2097304	91.7269491	12/24/1984	43.38	0.65
123.6640613	183.9683647	112.3845565	12/25/1984	46.86	0.56
84.70156295	120.4577717	77.22349173	12/26/1984	35.01	0.57
66.46583522	104.126015	58.77057147	12/27/1984	44.86	0.7
39.50907211	90.9710011	33.11249429	12/28/1984	59.29	0.67
34.80904091	84.43088921	27.03899968	12/29/1984	64.9	0.61
48.47902654	104.7769242	40.67669134	12/30/1984	57.96	0.68
67.41546287	113.7130136	57.30475255	12/31/1984	44.29	0.93
30.13993553	81.66853838	15.04591764	1/1/1985	58.05	0.82
44.16714376	99.85356488	27.03820772	1/2/1985	54.73	0.89
158.9181792	223.9585522	146.3389723	1/3/1985	35.74	0.92
129.8588027	182.0732272	122.0825879	1/4/1985	33.39	0.93
138.0110125	192.9344768	128.9858053	1/5/1985	37.02	0.73
118.2976055	165.0275673	110.0295824	1/6/1985	34.89	0.68
137.5935016	192.7651462	127.7252839	1/7/1985	41.52	0.58
159.2245763	217.7631696	151.661939	1/8/1985	38.78	0.48
155.286591	204.1830191	148.6739118	1/9/1985	26.92	0.47
104.4572579	142.6534617	100.2295492	1/10/1985	25.44	0.77
113.3308869	156.3503804	107.1090379	1/11/1985	27.97	0.82
158.2384365	210.3961401	151.7830465	1/12/1985	28.05	0.52
144.4371284	189.6070846	138.2735395	1/13/1985	31.72	0.54
143.9168153	190.3021038	139.3136721	1/14/1985	38.45	0.43
190.5171337	237.849995	185.5501814	1/15/1985	31.04	0.35
113.6196725	143.6895104	110.1024753	1/16/1985	24.21	0.46
86.42182979	116.4952975	83.05276617	1/17/1985	31.13	0.86
53.71838027	81.87169019	51.13946622	1/18/1985	34.67	0.83
105.6798095	149.1390294	100.9735832	1/19/1985	39.45	0.56
200.1282701	246.913949	196.1099439	1/20/1985	14.29	0.57
211.6109624	267.1418161	208.620661	1/21/1985	4.65	0.49
152.8501829	199.2615481	150.9651165	1/22/1985	20.29	0.54
111.5253959	150.1035199	109.7266011	1/23/1985	26.69	0.53
104.9921384	146.2671294	104.0804463	1/24/1985	34.36	0.51
114.3549368	162.3452021	113.6640094	1/25/1985	38.66	0.46
145.5689327	193.7877177	145.1746873	1/26/1985	27.85	0.39
108.0052053	144.993759	109.1582161	1/27/1985	30.85	0.45
59.21877433	83.90350958	61.73011022	1/28/1985	35.08	0.65
83.0277457	112.6493963	81.65778186	1/29/1985	30.94	0.57
52.91725345	77.34360025	50.69807641	1/30/1985	31.01	0.76
41.07992612	70.4245346	40.44495272	1/31/1985	35.83	0.91
33.19650008	62.1800619	33.0886311	2/1/1985	36.49	0.94
49.42330066	85.37117204	50.11989937	2/2/1985	35.38	0.92

109.2047079	153.7107789	108.6219368	2/3/1985	28.23	0.62
88.64371032	123.0910383	87.5634211	2/4/1985	28.42	0.5
67.68877768	95.92842292	64.70799291	2/5/1985	28.6	0.73
32.84004017	56.31602912	30.42898736	2/6/1985	34.46	0.87
79.72662218	117.2137592	74.55904342	2/7/1985	34.17	0.58
149.5963483	191.9007095	137.7543136	2/8/1985	24.43	0.37
109.3663408	142.5433085	99.07921685	2/9/1985	28.12	0.41
59.40981113	81.55189633	53.34075796	2/10/1985	31.34	0.54
59.54598666	90.77023436	56.6777367	2/11/1985	36.42	0.65
60.19312773	110.1640207	55.60415428	2/12/1985	40.6	0.78
114.8028054	160.6392424	108.1320009	2/13/1985	33.62	0.5
92.82137686	131.4598638	85.02499421	2/14/1985	36.24	0.44
74.71853444	107.7251118	68.46217892	2/15/1985	33.33	0.45
74.86434358	107.2218044	68.4128774	2/16/1985	31.11	0.51
62.66585847	97.58043958	56.85484674	2/17/1985	37.27	0.58
70.18378216	104.9570073	65.76471518	2/18/1985	40.21	0.4
46.78678067	86.09945443	44.23913839	2/19/1985	46.39	0.46
65.15199771	98.78790303	61.26943045	2/20/1985	39.4	0.43
58.25630897	92.0705647	54.46936084	2/21/1985	40.68	0.51
27.32552271	62.33678584	25.94068171	2/22/1985	55.9	0.57
9.417933633	44.68642605	12.62027028	2/23/1985	60.47	0.62
2.855167766	19.37107988	3.934541985	2/24/1985	68.16	0.62
14.7348503	51.59725343	12.69544698	2/25/1985	60.6	0.6
29.34487317	69.73589343	25.87431967	2/26/1985	46.12	0.91
62.91015516	119.8527465	61.72779169	2/27/1985	52.3	0.58
107.4538432	154.3481853	101.9752923	2/28/1985	38.38	0.46
63.39245229	105.739227	59.11828181	3/1/1985	45.12	0.64
55.1718417	104.4206388	48.42519801	3/2/1985	52.71	0.53
91.957413	139.7328194	82.95245585	3/3/1985	45.72	0.45
47.00848988	92.27419432	37.01620439	3/4/1985	48.47	0.76
73.58016242	133.0521493	62.50147222	3/5/1985	63.38	0.44
159.1793491	223.162053	135.1279179	3/6/1985	38.13	0.4
96.84515807	141.8533767	85.26110548	3/7/1985	39.67	0.57
44.26675289	94.17244254	32.38626618	3/8/1985	53.22	0.7
56.1090329	103.3086732	44.27240275	3/9/1985	53.45	0.54
65.79952537	102.295231	57.36884311	3/10/1985	47.22	0.52
70.42914071	115.3043606	62.71517056	3/11/1985	47.7	0.67
109.2255962	186.290594	98.80172301	3/12/1985	57.7	0.48
95.29250563	159.6607156	88.217706	3/13/1985	55.56	0.37
67.21275291	110.8568172	55.49739634	3/14/1985	53.43	0.45
138.9734046	193.5653348	132.6081206	3/15/1985	46.78	0.37
108.7711652	154.1467264	104.5534295	3/16/1985	43.53	0.47
135.2132761	192.2404315	128.2656036	3/17/1985	50.17	0.41
225.3392282	295.2332784	215.6332199	3/18/1985	36.31	0.33
140.6212842	187.5406155	129.5664068	3/19/1985	40.33	0.3
109.8469084	174.7209253	97.11399882	3/20/1985	56.47	0.33
156.2911117	213.7320593	142.3212843	3/21/1985	46.81	0.29
111.7722363	164.7424255	94.217817	3/22/1985	39.07	0.88
88.4017182	140.0628365	75.6991949	3/23/1985	42.82	0.91
68.97393372	111.4279919	59.49655879	3/24/1985	42.68	0.9
90.55768085	133.2933702	77.24811757	3/25/1985	41.49	0.75
86.07817156	125.2843384	76.22170182	3/26/1985	44.71	0.55

87.28791317	137.3286883	77.73802185	3/27/1985	60.94	0.44
49.72736385	99.27255726	40.99655899	3/28/1985	71.09	0.45
5.384667769	25.34333669	4.971633908	3/29/1985	72.25	0.68
28.48021144	78.06719824	22.34496007	3/30/1985	64.3	0.72
76.58886907	126.8280076	69.97006758	3/31/1985	51.21	0.8
126.2273261	189.3282074	111.8482665	4/1/1985	56.81	0.52
130.4031333	179.6779358	123.1960286	4/2/1985	46.67	0.5
144.1070646	202.5500864	138.9964163	4/3/1985	51.27	0.5
92.61789237	152.2154383	87.24384927	4/4/1985	58.35	0.52
125.0753796	197.3217334	121.81912	4/5/1985	71.63	0.39
174.1073641	270.6558775	166.5708863	4/6/1985	64.26	0.41
152.7225682	213.3127253	146.1907399	4/7/1985	53.35	0.5
178.1351394	235.4043005	174.0730378	4/8/1985	44.97	0.5
250.5446604	318.5990206	244.8435767	4/9/1985	40.15	0.37
178.6746237	229.0376941	173.6809796	4/10/1985	38.76	0.37
137.075608	190.9121314	133.9745236	4/11/1985	53.74	0.49
70.56689896	116.2008142	67.60478881	4/12/1985	59.8	0.53
70.47064142	127.4930285	69.12879709	4/13/1985	64.01	0.55
60.49129648	119.598462	58.19019827	4/14/1985	62.17	0.71
44.35600027	88.63762415	39.41258797	4/15/1985	60.52	0.86
25.50266196	59.35778513	24.9589697	4/16/1985	65.7	0.75
172.5098442	233.507171	167.3997709	4/17/1985	57.86	0.41
144.1991947	216.3486745	134.0711762	4/18/1985	63.5	0.48
78.41747113	124.791756	64.5492221	4/19/1985	76.91	0.42
50.88490623	92.00217228	44.74656034	4/20/1985	76.5	0.43
52.45689101	91.85239333	41.25260755	4/21/1985	73.88	0.52
72.76472038	113.5844265	71.45235278	4/22/1985	76	0.43
92.58689311	153.9956066	88.00624589	4/23/1985	74.61	0.44
63.34517362	126.4301559	56.0090514	4/24/1985	68.62	0.78
116.896535	185.691105	115.273121	4/25/1985	66.72	0.66
121.4864971	187.608884	119.5655786	4/26/1985	69.12	0.48
131.7233293	219.7594276	120.3464804	4/27/1985	71.67	0.47
123.7719195	192.96322	111.4511059	4/28/1985	68.29	0.6
219.1157263	294.5086011	205.0115998	4/29/1985	60.4	0.48
176.3565371	245.3818593	167.9111446	4/30/1985	64.53	0.47
205.1238271	292.5913654	194.540701	5/1/1985	70.55	0.45
134.7922074	206.498337	128.5773306	5/2/1985	66.28	0.7
257.1715186	340.3933689	244.5748699	5/3/1985	51.96	0.8
147.2700918	198.67109	143.7877771	5/4/1985	56.81	0.58
216.0924296	294.1624971	210.9171507	5/5/1985	65.04	0.56
135.9529581	205.5358108	131.1773341	5/6/1985	71.17	0.54
209.0839958	283.3781521	199.6056149	5/7/1985	69.15	0.48
146.9484664	200.5176324	143.5763051	5/8/1985	62.72	0.54
172.0230406	231.4051936	166.8763213	5/9/1985	65.79	0.53
106.6114424	165.9821306	103.5353311	5/10/1985	71.16	0.66
88.86602766	154.9725141	86.90716733	5/11/1985	74.57	0.67
102.473922	168.8966187	99.88257235	5/12/1985	73.03	0.74
69.04974721	128.1053442	66.78040292	5/13/1985	76.19	0.66
120.7087382	181.1318007	115.4949004	5/14/1985	76.24	0.55
199.8680838	272.611731	200.2312166	5/15/1985	65.69	0.74
135.3109049	189.1367205	132.7558054	5/16/1985	65.98	0.81
174.3219312	238.0849325	177.0062798	5/17/1985	62.86	0.85

313.8939441	400.3925017	309.2540013	5/18/1985	64.17	0.53
239.7811437	309.5512087	239.1622625	5/19/1985	65.42	0.5
185.0896104	257.8638298	183.3719009	5/20/1985	73.09	0.57
123.3237269	188.4489692	123.5425919	5/21/1985	73.34	0.71
166.51794	235.272002	163.7998577	5/22/1985	68.71	0.74
191.2461009	260.9179058	187.9069772	5/23/1985	63.12	0.87
248.2732052	321.3254674	246.7621787	5/24/1985	57.82	0.88
151.0127559	202.6383816	147.9093188	5/25/1985	66.58	0.64
137.1542708	187.5482697	136.3964338	5/26/1985	71.01	0.59
169.3154949	241.1869325	166.5604987	5/27/1985	75.01	0.57
156.5474284	228.6223372	150.1260782	5/28/1985	76.08	0.61
198.1380366	265.1648839	195.2948734	5/29/1985	63.7	0.83
175.1200046	229.3451264	174.373933	5/30/1985	66.07	0.7
160.5516411	230.5028149	159.9092425	5/31/1985	73.28	0.74
136.9557655	208.56566	135.7432553	6/1/1985	79.39	0.56
135.2057679	188.0337758	133.3126684	6/2/1985	74.29	0.59
97.54923845	142.7845019	96.62865112	6/3/1985	75.84	0.66
103.3131618	160.0436487	100.7762243	6/4/1985	76.8	0.75
132.7774411	200.4771094	130.3967551	6/5/1985	75.07	0.83
150.7939667	205.4242438	150.0951569	6/6/1985	72.61	0.74
133.2337382	181.9536432	135.9272918	6/7/1985	66.64	0.86
175.8747175	241.4170182	177.703045	6/8/1985	73.58	0.7
148.3403598	221.7350001	147.2387084	6/9/1985	79.34	0.68
129.0075508	208.4733065	128.0429734	6/10/1985	83.45	0.61
110.2216485	171.0622856	111.5865504	6/11/1985	76.47	0.86
213.3265683	299.7511915	213.6089894	6/12/1985	75.49	0.79
390.5404717	474.1237066	389.7410277	6/13/1985	64.65	0.52
251.9831323	309.8930111	252.2545038	6/14/1985	65.42	0.56
240.0692317	307.6361447	242.3204072	6/15/1985	71.54	0.65
188.1392594	262.4819373	190.0963747	6/16/1985	72.39	0.84
188.2150017	258.6228738	187.0935679	6/17/1985	78.1	0.64
232.3257109	310.2669773	233.4883406	6/18/1985	79.21	0.58
288.8357075	363.2478203	290.2720246	6/19/1985	75.62	0.48
259.6354306	322.6152753	259.7807737	6/20/1985	72.31	0.54
190.2932444	240.4341389	191.6078823	6/21/1985	71.61	0.59
250.2026822	322.7014997	250.0812597	6/22/1985	76.21	0.6
190.4268512	259.7599386	186.9434575	6/23/1985	78.45	0.67
152.0973176	210.5226383	149.6909277	6/24/1985	81	0.64
266.8335552	333.0953747	267.9838135	6/25/1985	76.33	0.46
363.1474545	439.38175	362.8802062	6/26/1985	70.11	0.48
295.6876284	360.4976111	297.0178993	6/27/1985	67.66	0.56
233.5465062	291.8585395	234.5460599	6/28/1985	70.13	0.64
179.0121185	238.2987164	179.5101978	6/29/1985	73.57	0.72
181.4752718	244.6065999	179.8688993	6/30/1985	73.78	0.73
224.9037014	294.1605817	223.7938421	7/1/1985	69	0.79
164.8486865	224.0494538	163.476835	7/2/1985	72.07	0.79
195.3477354	261.8949709	194.3665993	7/3/1985	77.25	0.65
145.424642	204.1946129	145.3290559	7/4/1985	76.71	0.72
194.7862246	268.1262042	191.4297301	7/5/1985	78.51	0.7
197.1034134	272.2702899	194.798039	7/6/1985	77.13	0.74
215.0559807	279.0363384	213.025091	7/7/1985	79.54	0.58
212.401469	282.1827486	212.8062316	7/8/1985	82.04	0.53

200.5736103	267.4312093	200.3823725	7/9/1985	81.26	0.56
169.9438116	231.5392575	169.0405553	7/10/1985	76.38	0.78
151.6227753	207.3121858	152.0503641	7/11/1985	77.64	0.74
163.8687158	222.1147014	164.6659851	7/12/1985	75.66	0.81
142.9516055	203.7425049	143.0632617	7/13/1985	78.41	0.81
163.4845949	231.7339108	162.9876774	7/14/1985	81.26	0.74
155.918254	229.4012639	156.0297703	7/15/1985	84.3	0.73
205.6408596	278.6530228	204.8691578	7/16/1985	80.75	0.71
326.9789227	407.4930044	322.2677242	7/17/1985	77.3	0.6
245.4931512	306.7472535	244.2407696	7/18/1985	75.82	0.61
212.7901328	273.8869013	211.7269369	7/19/1985	79.38	0.61
198.5372698	265.4278282	199.4615159	7/20/1985	83.19	0.58
148.503001	208.7170842	144.8383353	7/21/1985	82.79	0.71
189.7876679	246.2051128	185.7050284	7/22/1985	83.11	0.65
317.3624209	392.6945576	315.3245922	7/23/1985	76.13	0.6
281.5219971	347.4764615	280.8675668	7/24/1985	74.68	0.6
275.7898064	357.2278592	265.3937381	7/25/1985	74.73	0.86
237.1323389	323.5762693	222.4179493	7/26/1985	80.58	0.76
199.5202409	262.3135405	180.7372686	7/27/1985	72.96	0.88
179.2247328	236.5895225	162.7223885	7/28/1985	75.4	0.79
160.6099667	216.6243358	142.982404	7/29/1985	74.09	0.83
154.8784067	212.7577146	136.2922024	7/30/1985	79.22	0.77
135.3308871	194.8895182	117.0178635	7/31/1985	80.1	0.84
253.1583453	326.1352414	236.7465563	8/1/1985	74.22	0.8
316.632979	387.4087782	303.9721458	8/2/1985	71.84	0.64
260.48773	320.8879029	247.2787923	8/3/1985	70.93	0.62
237.5814706	297.3179998	215.6333069	8/4/1985	71.13	0.63
240.6040704	305.3019003	216.0595667	8/5/1985	71.34	0.66
214.5427348	279.7865889	188.4873447	8/6/1985	75.18	0.65
250.7461109	325.498553	217.1141875	8/7/1985	79.13	0.57
151.0938188	212.6642451	122.9773067	8/8/1985	76.93	0.8
158.5809362	216.6055951	131.8323278	8/9/1985	76.93	0.76
172.1161164	235.80261	145.4339747	8/10/1985	77.76	0.74
139.0660639	194.5821536	113.0024526	8/11/1985	79.9	0.7
186.7072566	250.6132124	158.2396024	8/12/1985	80.04	0.67
157.7107491	218.9753393	124.9587943	8/13/1985	82.17	0.68
183.8399523	252.6510463	145.5967071	8/14/1985	85.01	0.63
317.4074048	406.4649431	272.8264679	8/15/1985	84.22	0.52
226.2142648	296.0659694	189.4432703	8/16/1985	79.92	0.67
222.27076	287.5321423	187.8153274	8/17/1985	74.76	0.78
279.191618	362.3079321	240.2072031	8/18/1985	74	0.81
195.8110913	264.5835984	165.1529795	8/19/1985	75.2	0.83
144.5154587	198.421181	120.0667453	8/20/1985	77.78	0.79
210.4403978	280.1865432	187.0588925	8/21/1985	75.33	0.75
283.8740843	357.582546	263.626203	8/22/1985	71.23	0.64
232.0529898	289.2580387	215.1627798	8/23/1985	69.78	0.62
305.0570572	379.5186457	284.6102111	8/24/1985	72.04	0.6
217.9972726	292.5715861	200.6799723	8/25/1985	75.26	0.73
209.6261279	285.3821034	193.4416101	8/26/1985	77.63	0.72
191.255311	261.1132776	180.5816941	8/27/1985	77.95	0.66
181.5003566	240.4665081	170.1486994	8/28/1985	75.95	0.62
165.8777944	224.3246377	154.943484	8/29/1985	77.13	0.64

218.0487057	295.4281653	203.5419636	8/30/1985	78.89	0.65
225.9657902	294.6650996	213.3643565	8/31/1985	77.21	0.6
214.6414074	276.2588324	204.6198501	9/1/1985	72.29	0.7
231.939004	304.4345565	223.0234699	9/2/1985	75.15	0.67
129.3260254	180.737125	121.2031044	9/3/1985	77.96	0.67
170.0929711	238.5866679	162.4396826	9/4/1985	81.34	0.62
176.7572244	251.4573958	170.6345749	9/5/1985	81.96	0.62
212.7271633	290.7201924	204.3446079	9/6/1985	82.49	0.6
145.5370594	206.665237	142.0036403	9/7/1985	82.23	0.63
136.8312231	194.925829	132.1297807	9/8/1985	83.29	0.63
197.5303744	270.4213337	189.8700608	9/9/1985	82.29	0.62
189.3917843	258.9052232	179.7512504	9/10/1985	83.16	0.6
363.8554334	448.7759166	357.0120319	9/11/1985	73.73	0.57
367.9803306	442.826357	355.4206758	9/12/1985	64.91	0.49
517.6712838	611.3522253	486.6599281	9/13/1985	58.24	0.45
354.9894935	431.2244255	325.3040651	9/14/1985	56.71	0.52
287.2764162	349.4013625	258.0041164	9/15/1985	59.34	0.53
233.5850541	292.5159232	200.0006803	9/16/1985	60.61	0.55
227.5852803	287.2321652	199.534334	9/17/1985	62.72	0.57
201.559641	257.6799145	173.0244793	9/18/1985	64.17	0.59
195.062099	248.9566446	173.6979631	9/19/1985	66.12	0.56
151.4571538	199.1530034	135.235732	9/20/1985	68.53	0.62
167.5190425	224.4880793	144.0254188	9/21/1985	71.87	0.63
193.1393266	254.3059002	160.9077138	9/22/1985	66.33	0.72
155.0634606	220.9008454	117.2324679	9/23/1985	69.38	0.89
157.6574342	224.9904734	126.3906514	9/24/1985	73.87	0.73
256.2781197	325.2172801	233.5556465	9/25/1985	65.38	0.58
187.4678223	255.0711793	171.5528696	9/26/1985	66.32	0.83
300.261644	392.9654117	271.8447803	9/27/1985	69.87	0.65
216.5964403	274.9863571	200.245726	9/28/1985	61.38	0.63
161.3628207	205.6865545	151.4428782	9/29/1985	61.32	0.69
149.2587874	200.3385617	139.1109788	9/30/1985	63.82	0.73
160.565057	220.7612228	137.677332	10/1/1985	68.06	0.73
170.8026941	232.4195381	141.3491451	10/2/1985	62.89	0.88
153.0073703	204.5965847	134.8921018	10/3/1985	60.22	0.9
102.8148919	147.3925177	94.9248088	10/4/1985	65.39	0.88
221.0200848	294.4752199	206.0626992	10/5/1985	66.33	0.67
217.1446249	274.0013431	205.6456094	10/6/1985	54.82	0.59
191.9554784	239.8264302	181.0864136	10/7/1985	53.92	0.65
160.085769	210.906292	153.7135827	10/8/1985	58.11	0.72
109.0736184	150.5298485	103.1212157	10/9/1985	62.59	0.72
142.4927133	199.9200138	133.0699497	10/10/1985	67.35	0.69
119.9415003	179.1225279	108.4045769	10/11/1985	71.46	0.66
192.6624496	254.033101	170.8387589	10/12/1985	60.86	0.67
146.9044664	206.874177	125.4615518	10/13/1985	66.53	0.72
91.51267231	143.8004533	70.58628595	10/14/1985	70.86	0.76
97.43161701	166.6756424	71.61666111	10/15/1985	74.66	0.71
141.6938228	200.134552	120.9074095	10/16/1985	67.57	0.66
214.1575587	279.7636825	185.2095746	10/17/1985	61.11	0.67
144.2506692	197.0764282	122.6496778	10/18/1985	61.76	0.74
145.7926708	208.0581735	123.2671746	10/19/1985	67.65	0.73
161.420642	225.3379581	139.863742	10/20/1985	61.65	0.83

208.0787015	276.6514923	185.2313053	10/21/1985	56.6	0.85
147.282201	209.787863	131.9620301	10/22/1985	62.33	0.85
120.9158239	176.455916	109.1896152	10/23/1985	64.96	0.79
81.97854169	126.299942	71.41260032	10/24/1985	64.66	0.85
152.6753777	210.6982897	128.7492635	10/25/1985	63.49	0.68
191.061287	245.6258217	172.4015569	10/26/1985	54.71	0.54
165.1886598	216.3085684	154.117919	10/27/1985	56.47	0.68
234.3309231	297.2656934	220.4514974	10/28/1985	55.04	0.52
256.3960242	318.0721127	245.6487146	10/29/1985	46.1	0.49
193.7526825	251.768076	180.6599571	10/30/1985	54.16	0.61
182.9444841	252.3113626	171.1191046	10/31/1985	59.21	0.73
142.8446356	218.0011082	131.0701607	11/1/1985	62.35	0.82
165.6885466	231.7717144	154.2251272	11/2/1985	58.63	0.78
120.0459567	180.1065405	111.2257926	11/3/1985	61.59	0.82
146.1730151	217.5000099	129.7958782	11/4/1985	62.94	0.77
189.5884084	246.9314079	165.5453191	11/5/1985	51.74	0.75
149.2820787	196.2797472	129.222631	11/6/1985	55.91	0.63
132.1139986	177.2618798	114.7355614	11/7/1985	55.06	0.65
191.3170072	242.2089979	164.7219407	11/8/1985	50.1	0.5
186.8391182	239.2898478	167.5455787	11/9/1985	51.57	0.52
126.948298	178.7102645	106.6207959	11/10/1985	59.28	0.65
75.77079522	115.4486203	60.82687317	11/11/1985	61.9	0.66
37.26808417	69.96167695	27.83187584	11/12/1985	60.63	0.92
32.47821684	82.85350907	21.63278799	11/13/1985	66.98	0.85
41.38150499	90.67376886	29.23493583	11/14/1985	68.53	0.75
152.0419645	211.4534289	126.5339456	11/15/1985	59.15	0.61
127.1228011	176.7095972	106.4614439	11/16/1985	50.37	0.85
79.99205703	120.6905709	60.54295916	11/17/1985	56.28	0.86
76.96840431	114.5805022	60.52159	11/18/1985	54.99	0.81
44.08455541	81.20466589	26.33791526	11/19/1985	61.92	0.87
30.78396336	86.86518101	17.39570659	11/20/1985	66.42	0.9
158.3129513	224.9950655	127.5518022	11/21/1985	47.95	0.92
189.1569463	255.4971783	156.3379093	11/22/1985	42.13	0.95
154.984159	207.2228962	129.6695882	11/23/1985	41.49	0.79
106.3719519	147.8430841	85.50742388	11/24/1985	46.68	0.76
147.4473231	200.6955119	120.94931	11/25/1985	48.63	0.61
98.57982873	152.3783763	70.90980289	11/26/1985	55.88	0.76
33.16207224	87.28360911	15.13886823	11/27/1985	66.97	0.8
66.45786073	114.6998034	43.6316103	11/28/1985	56.22	0.9
129.9157566	187.2620461	99.03247471	11/29/1985	47.81	0.92
143.4423124	206.9846663	108.7066854	11/30/1985	45.88	0.96
103.5382261	155.7548546	74.55334804	12/1/1985	48.33	0.98
272.5855238	355.7053978	221.9343393	12/2/1985	47.59	0.55
235.5930206	297.65822	200.4161956	12/3/1985	31.15	0.49
134.9745921	172.8936828	111.1710333	12/4/1985	33.22	0.62
114.8130039	154.463502	91.94174231	12/5/1985	39.78	0.61
177.8085571	237.4573025	141.9132887	12/6/1985	37.87	0.71
142.4748572	190.9509414	112.6722994	12/7/1985	39.7	0.62
115.6061548	156.731438	88.99555362	12/8/1985	43.01	0.63
64.9209071	97.63816225	47.52549568	12/9/1985	47.84	0.62
69.95840169	103.8752398	50.13262077	12/10/1985	45.04	0.78
63.82286751	120.4220198	36.66897569	12/11/1985	57.17	0.73

38.64737242	86.04993425	14.73635007	12/12/1985	62.89	0.7
90.99950904	135.5435957	64.44436429	12/13/1985	43.27	0.93
196.2487437	255.3147108	160.5492185	12/14/1985	35.83	0.54
173.5304168	224.7331387	139.455598	12/15/1985	31.26	0.49
143.7598042	189.7965227	112.0442949	12/16/1985	38.48	0.51
154.9929774	207.0085742	119.6159913	12/17/1985	41.17	0.46
182.7827797	237.2916154	142.3212355	12/18/1985	34.49	0.41
123.3166293	159.7987952	96.94639566	12/19/1985	22.09	0.5
101.8395284	136.6558009	80.56874718	12/20/1985	23.36	0.84
154.7408365	198.3697773	123.7837256	12/21/1985	24.14	0.62
152.7872281	189.1127187	119.0671874	12/22/1985	24.2	0.61
108.8059028	149.7700067	75.63060746	12/23/1985	44.47	0.53
68.43454708	113.4218326	43.94469716	12/24/1985	48.5	0.66
149.8206591	198.6173705	121.4884661	12/25/1985	30.16	0.57
182.6403309	222.6006443	151.3349825	12/26/1985	19.12	0.38
153.4273294	197.885939	125.7836	12/27/1985	34.22	0.44
104.1981523	142.8652464	86.42575865	12/28/1985	37.9	0.46
89.98219501	122.5579587	72.20845905	12/29/1985	37.08	0.47
97.73810121	131.4363116	79.31102913	12/30/1985	32.55	0.42
111.7560226	155.4225912	84.91822955	12/31/1985	38.8	0.51
73.57076128	107.9564257	54.65650828	1/1/1986	37.58	0.65
70.70076157	100.67822	52.1600235	1/2/1986	37.55	0.57
62.03986269	104.9388226	40.81424536	1/3/1986	48.18	0.52
58.9665135	88.4771674	40.05803104	1/4/1986	37.92	0.68
106.6261569	151.6271101	76.6915691	1/5/1986	38.94	0.55
138.0947339	188.4135748	105.1764186	1/6/1986	39.7	0.34
116.7013253	157.3075214	91.05602648	1/7/1986	27.58	0.59
113.677809	150.4616449	93.92895918	1/8/1986	21.59	0.51
110.5031822	142.6330222	86.36596075	1/9/1986	30.26	0.44
95.93508183	129.8762892	67.72542321	1/10/1986	42.09	0.31
89.57145396	121.6203233	66.03735977	1/11/1986	33.97	0.58
94.6346757	140.9613714	66.48080174	1/12/1986	43.52	0.44
104.3295966	146.5365828	82.38865675	1/13/1986	36.32	0.45
87.99490883	115.3891486	66.80124932	1/14/1986	24.73	0.65
107.6839407	139.1643539	85.00669062	1/15/1986	23.98	0.54
73.59348563	100.9310415	54.01694517	1/16/1986	33.95	0.57
23.99157708	57.52360272	9.88816463	1/17/1986	48.3	0.75
3.931786334	18.24068482	0.748473282	1/18/1986	56.12	0.79
1.416030534	10.20286892	0.21240458	1/19/1986	55.87	0.95
103.7003813	160.8837322	74.76672408	1/20/1986	40.44	0.64
65.56930888	100.5256004	48.40700279	1/21/1986	40.58	0.58
53.08250516	95.61035607	39.74063057	1/22/1986	50.76	0.56
104.9825475	153.8432213	88.31385727	1/23/1986	37.8	0.56
104.8923183	146.5993679	92.86340269	1/24/1986	31.95	0.6
60.53816903	96.00742987	49.8545683	1/25/1986	33.12	0.91
52.27033612	90.32810365	41.70245472	1/26/1986	35.58	0.97
112.5140074	162.8093193	99.25839702	1/27/1986	27.04	0.82
162.9400991	207.0175053	151.2788895	1/28/1986	17.26	0.48
86.15277627	116.6573041	79.26745465	1/29/1986	24.43	0.79
103.56909	138.3513273	96.63492348	1/30/1986	26.43	0.63
60.04333412	84.12130567	55.44961565	1/31/1986	30.59	0.66
52.65843609	81.15839343	43.59764164	2/1/1986	39.37	0.68

13.53521346	39.19317163	12.6346019	2/2/1986	53.46	0.69
33.58488528	68.38377596	27.96404198	2/3/1986	43.04	0.8
25.29852592	54.21309114	21.64260881	2/4/1986	41.46	0.89
4.208640432	19.73974466	6.223975775	2/5/1986	54.46	0.9
29.73429428	73.52282864	22.98042124	2/6/1986	44.85	0.92
65.27227371	103.3655014	59.01931213	2/7/1986	32.36	0.95
32.43501752	55.4457982	29.21042736	2/8/1986	37.53	0.9
26.89249496	48.78075353	24.17683227	2/9/1986	37.86	0.9
45.73422751	80.67626738	42.3216213	2/10/1986	36.63	0.94
91.16770259	143.5907004	84.42428106	2/11/1986	30.93	0.92
95.46551473	140.6453463	89.62375447	2/12/1986	27.34	0.69
112.6317134	157.5581091	106.7060941	2/13/1986	22.33	0.6
101.5254215	148.2861043	95.23758942	2/14/1986	26.02	0.72
82.70464633	124.9821465	77.00539956	2/15/1986	31.44	0.71
70.90043604	110.0785638	65.84029231	2/16/1986	35.55	0.61
15.15225418	47.65172433	14.66002598	2/17/1986	55.04	0.68
3.860801342	23.43989655	4.786552982	2/18/1986	52.6	0.93
7.009681691	32.11657991	7.203433582	2/19/1986	50.16	0.96
22.44781118	64.45620795	15.48141576	2/20/1986	45.69	0.97
15.60703041	62.57607888	11.72807912	2/21/1986	51.11	0.89
76.87273979	120.2715201	63.77436262	2/22/1986	37.99	0.73
71.78953307	114.3116113	59.08524536	2/23/1986	39.54	0.75
71.633348	112.0842477	51.03641848	2/24/1986	35.55	0.76
159.2818873	226.6395821	120.2809582	2/25/1986	33.08	0.57
89.57544147	130.7645644	75.56128685	2/26/1986	32.72	0.61
72.23024334	111.9037063	59.13126762	2/27/1986	33.77	0.86
75.05085901	115.8463852	64.16119568	2/28/1986	31.73	0.75
122.0478191	173.0265806	105.694524	3/1/1986	31.02	0.52
98.50016814	141.9683049	83.09767895	3/2/1986	33.75	0.46
64.0172782	102.0823682	50.09888517	3/3/1986	37.89	0.7
42.10202583	77.43726892	30.81662519	3/4/1986	42.47	0.78
73.74629055	115.9575106	58.89398023	3/5/1986	40.05	0.64
105.3668397	163.0661982	83.42847747	3/6/1986	43.01	0.57
152.7421669	215.2401432	126.413622	3/7/1986	35.03	0.49
131.263899	176.787744	111.8444911	3/8/1986	25.5	0.37
106.0041742	168.9409474	85.41008739	3/9/1986	49.24	0.38
9.9265101	53.7620978	6.220419847	3/10/1986	64.09	0.61
46.40791511	104.0659918	33.74617172	3/11/1986	64.83	0.47
61.64187495	106.2182351	43.36289925	3/12/1986	46.55	0.7
28.0213393	66.14659415	16.94525961	3/13/1986	47.4	0.93
5.492331078	25.07235781	7.906042101	3/14/1986	60.87	0.87
25.83948202	64.91951557	17.22459948	3/15/1986	61.5	0.64
34.98049607	75.51380664	23.88443873	3/16/1986	56.92	0.65
83.15358116	134.4985873	56.70077692	3/17/1986	49.92	0.55
68.46933472	122.5012782	45.51149101	3/18/1986	52.19	0.63
14.50733933	51.05946721	15.55696803	3/19/1986	66.63	0.75
75.14216837	131.951166	51.39034316	3/20/1986	51.28	0.68
220.8455444	294.1805581	188.5865599	3/21/1986	31.57	0.4
154.7965989	210.0444586	127.4271805	3/22/1986	35.26	0.4
107.7416605	153.7112356	84.76218594	3/23/1986	45	0.43
106.0536346	164.3032438	78.44012814	3/24/1986	53.94	0.35
77.64622269	129.2276637	55.5803279	3/25/1986	54.37	0.47

58.92010621	111.039098	34.9052917	3/26/1986	62.08	0.56
79.91666343	140.4377842	39.4087922	3/27/1986	62.19	0.5
106.3349689	155.1745002	70.70900169	3/28/1986	52.59	0.44
92.7157514	155.1865893	55.54918851	3/29/1986	61.29	0.42
81.32097944	127.5513773	56.85648656	3/30/1986	66.24	0.35
53.92299475	90.11451455	31.29168188	3/31/1986	69.88	0.41
57.11619966	105.0949238	26.09532808	4/1/1986	66.38	0.54
75.56417163	129.7978428	40.77302805	4/2/1986	67.88	0.47
130.3587919	197.1128782	78.52639683	4/3/1986	59.89	0.5
49.18765545	98.69022825	22.46971037	4/4/1986	62.07	0.74
84.02446154	145.5690858	48.36858437	4/5/1986	57.67	0.83
72.44447609	124.022234	43.91939413	4/6/1986	56.3	0.85
61.22307436	118.5055179	39.32019281	4/7/1986	66.09	0.66
102.7168048	179.4529697	69.50172096	4/8/1986	65.33	0.57
226.5164247	305.3470356	182.9927532	4/9/1986	51.92	0.48
252.8805561	330.338705	209.1548053	4/10/1986	47.93	0.43
197.4916573	264.3361642	158.0784189	4/11/1986	52.92	0.45
153.2563123	212.8640815	117.1298246	4/12/1986	57.75	0.48
143.3000133	204.8392221	108.6092777	4/13/1986	57.08	0.57
129.7228709	187.8585328	92.82095924	4/14/1986	55.15	0.68
94.42079876	155.6261764	59.09025354	4/15/1986	58.47	0.83
135.7094359	197.2497827	99.41202336	4/16/1986	51.77	0.83
154.3880845	212.4576634	119.0672351	4/17/1986	45.69	0.89
160.8488513	225.7081309	124.5548233	4/18/1986	54.24	0.69
107.0170381	152.3385517	85.26892591	4/19/1986	57.67	0.54
129.1918599	202.6993259	108.0453476	4/20/1986	66.21	0.45
83.52523843	149.7867037	60.7809194	4/21/1986	63.77	0.74
157.4641732	217.2715071	134.5977634	4/22/1986	50.38	0.79
258.1036275	327.8405985	235.1313277	4/23/1986	46.09	0.49
238.1115091	306.6758041	214.3796792	4/24/1986	57.34	0.29
142.2325581	199.2078368	116.7038943	4/25/1986	63.08	0.37
71.38258839	125.8132754	66.02066384	4/26/1986	67.16	0.53
62.71029302	120.5537996	60.96904082	4/27/1986	69.29	0.56
88.04765764	154.8212081	84.01450539	4/28/1986	68.25	0.61
64.74773776	109.3546136	49.50594225	4/29/1986	66.85	0.7
120.0003731	175.123153	104.925146	4/30/1986	66.97	0.49
150.0880626	217.8416503	141.9020056	5/1/1986	75.67	0.42
279.0043099	362.0540231	265.976519	5/2/1986	64.84	0.33
297.2272809	368.4440475	282.768612	5/3/1986	53.41	0.33
217.4728826	274.9623596	209.6569208	5/4/1986	53.8	0.4
219.3168808	301.2209793	210.1977098	5/5/1986	68.14	0.38
108.3770983	165.223414	103.9160547	5/6/1986	75.1	0.5
69.13514043	116.0493124	77.8105499	5/7/1986	78.02	0.56
152.9931767	222.4398079	150.2467237	5/8/1986	69.15	0.58
222.7249594	288.5475457	213.7433368	5/9/1986	55.17	0.68
205.8790598	259.6140497	201.0252057	5/10/1986	55.39	0.57
195.9101743	254.1012726	194.6074817	5/11/1986	62.3	0.53
197.7078866	257.4685492	197.1675986	5/12/1986	60.39	0.55
170.4681635	228.4992952	171.5058571	5/13/1986	54.55	0.82
137.0148713	192.2457193	138.1431434	5/14/1986	54.51	0.97
70.19292833	112.706172	71.49234335	5/15/1986	63.34	0.91
66.53889736	124.4899347	67.71505184	5/16/1986	72.3	0.76

51.18427459	106.4434464	52.21740385	5/17/1986	74.46	0.7
93.16019189	161.4709039	91.77571251	5/18/1986	76.5	0.67
136.036687	214.018344	133.3229994	5/19/1986	73.46	0.71
130.1864421	197.9944263	118.4914944	5/20/1986	68.91	0.89
111.6038217	163.6957211	103.1508086	5/21/1986	67.84	0.85
199.648833	266.4848673	187.1969211	5/22/1986	65.12	0.69
190.4110654	251.470971	190.2221781	5/23/1986	65.33	0.6
160.3014563	218.4904972	155.0042382	5/24/1986	66.61	0.68
119.5318816	170.0727004	116.4688837	5/25/1986	67.76	0.69
144.3483295	202.662026	144.8639488	5/26/1986	68.02	0.71
123.9368402	178.1785905	123.7505782	5/27/1986	64.92	0.82
98.10084908	153.2070313	98.85907565	5/28/1986	73.1	0.75
80.97125492	134.1510087	77.48629689	5/29/1986	76.71	0.66
104.816752	165.0719747	89.09587207	5/30/1986	76.66	0.69
110.8725234	170.9493809	98.71366055	5/31/1986	76.63	0.69
117.7581174	187.35769	87.39929445	6/1/1986	79.87	0.64
212.5349416	288.9862842	196.3853317	6/2/1986	73.85	0.66
322.0688561	397.8487257	305.9849269	6/3/1986	62.38	0.54
190.6115057	251.5500529	176.9900928	6/4/1986	69.04	0.72
174.1521611	241.1169667	176.8660927	6/5/1986	74.68	0.68
112.6961358	177.4619162	111.6082614	6/6/1986	77.37	0.8
92.52393224	149.9530022	88.31454616	6/7/1986	77.57	0.81
117.5971844	186.2706966	108.0182899	6/8/1986	80.33	0.75
279.5977436	359.3126802	272.9021774	6/9/1986	76.11	0.51
201.6650337	259.6741059	197.9655124	6/10/1986	72.84	0.59
183.6695291	258.5320948	179.2387092	6/11/1986	78.68	0.74
133.5812959	210.4801876	124.944447	6/12/1986	82.91	0.72
151.2149939	211.8256494	147.3811265	6/13/1986	79.9	0.68
216.4512656	285.0195304	214.6488067	6/14/1986	76.38	0.65
180.1577868	249.1785982	179.1109238	6/15/1986	76.06	0.8
229.5130778	312.4811667	227.9814974	6/16/1986	79.49	0.73
351.1557192	436.0506193	350.7887979	6/17/1986	75.83	0.57
378.706931	451.3554981	381.3548905	6/18/1986	67.54	0.47
312.8245905	387.3801095	313.2455209	6/19/1986	73.9	0.57
252.1814279	327.1347166	254.2494357	6/20/1986	74.03	0.72
271.7496634	340.6420215	273.8209341	6/21/1986	71.3	0.66
245.1175192	312.5975962	248.1754643	6/22/1986	75.21	0.62
229.9801742	304.1154801	232.5186649	6/23/1986	77.72	0.68
210.0776567	276.9781244	213.4073599	6/24/1986	78.88	0.66
328.8662407	395.0757686	331.5276544	6/25/1986	70.46	0.5
262.7706676	325.2045968	268.0964706	6/26/1986	71.86	0.62
229.1369975	305.7553684	231.7791394	6/27/1986	81.34	0.63
179.6063203	253.3285708	183.7326624	6/28/1986	82.87	0.64
161.4215791	226.2334991	161.2224008	6/29/1986	81.25	0.72
186.2368402	249.7155274	176.6295191	6/30/1986	78.03	0.71
202.434581	262.2162171	195.2212951	7/1/1986	68.72	0.91
190.0719435	259.5822608	191.4711465	7/2/1986	76.48	0.83
336.4272075	413.0040955	341.3749065	7/3/1986	73.71	0.58
264.373703	328.0365152	268.2200119	7/4/1986	73.99	0.57
250.6406162	327.746836	258.0091261	7/5/1986	80.08	0.6
175.0305881	242.8760037	181.1072211	7/6/1986	82.96	0.56
135.7445553	197.5559996	129.9575292	7/7/1986	85.23	0.58

146.5520138	217.1139815	145.0225714	7/8/1986	86.64	0.56
208.6048494	283.5628019	203.8306176	7/9/1986	83.62	0.66
225.9144107	290.2341038	225.4330914	7/10/1986	80.16	0.67
173.9365758	230.2406319	173.45615	7/11/1986	80.8	0.75
215.7642949	292.2681309	216.0825815	7/12/1986	84.4	0.68
261.1281222	346.2876783	261.5207338	7/13/1986	86.42	0.58
313.6614721	394.6393779	314.706411	7/14/1986	86.29	0.47
250.932803	312.8701694	251.6104755	7/15/1986	77.05	0.64
223.4103933	288.4670999	224.7892681	7/16/1986	81.4	0.67
166.9342227	228.1903984	170.6940772	7/17/1986	82.41	0.73
201.7806631	271.3615895	203.6205877	7/18/1986	86.56	0.61
221.133132	281.7070537	212.1216598	7/19/1986	82.95	0.7
176.4134555	227.4046489	168.4801463	7/20/1986	81.99	0.76
197.7602898	240.2609364	200.474434	7/21/1986	80.1	0.78
219.2672959	277.5849071	223.5148647	7/22/1986	78.33	0.85
191.6583187	245.1985946	190.2571902	7/23/1986	77.11	0.91
240.5383785	301.4279156	245.2020171	7/24/1986	79.07	0.82
186.8256335	240.9308185	190.2310513	7/25/1986	79.92	0.83
204.5796514	261.8751074	206.3981591	7/26/1986	77.46	0.9
186.9042346	231.1516851	190.2758176	7/27/1986	80.73	0.77
213.6941329	260.5297952	214.1837972	7/28/1986	81.63	0.73
232.3688964	280.5074541	233.210947	7/29/1986	83.02	0.65
292.2983352	335.9036988	296.5319836	7/30/1986	76.82	0.65
285.6758933	327.9056563	289.0578858	7/31/1986	77.59	0.6
247.1206048	288.3109218	249.5363522	8/1/1986	79.66	0.62
243.9182669	305.1153928	247.4966342	8/2/1986	79.55	0.77
225.1597034	278.150536	228.9543948	8/3/1986	74.01	0.85
231.4479562	283.4715338	235.665804	8/4/1986	75.96	0.77
226.5890221	280.1921476	224.4522745	8/5/1986	76.58	0.75
251.6623832	324.0829546	232.8230416	8/6/1986	76.5	0.81
255.2631146	328.8587729	238.0418564	8/7/1986	77.43	0.79
284.2964422	360.2528986	256.9690985	8/8/1986	78.42	0.71
194.533698	254.8777745	174.3250982	8/9/1986	80.19	0.7
245.2024951	321.3505004	221.5712862	8/10/1986	82	0.7
273.8072158	352.0584752	247.1135263	8/11/1986	76.55	0.77
255.6835217	320.748097	226.7007079	8/12/1986	68.63	0.93
229.8782314	298.0509867	196.7858443	8/13/1986	72.13	0.89
181.2364547	245.741028	138.1051005	8/14/1986	74.07	0.87
164.810544	226.8305055	117.3486573	8/15/1986	77.22	0.81
150.8889741	219.6616861	108.267799	8/16/1986	79.29	0.81
221.5790205	311.7516025	161.8426535	8/17/1986	76.04	0.91
212.2725294	289.0074369	167.3521056	8/18/1986	76.58	0.83
164.6246998	223.6063756	131.9540964	8/19/1986	72.89	0.94
233.8571245	313.4308559	194.4670766	8/20/1986	71.28	0.96
209.4458492	292.621756	173.1899294	8/21/1986	76.08	0.85
228.6755043	298.8234853	191.13431	8/22/1986	72.85	0.76
244.4844896	320.760051	202.3336139	8/23/1986	74.34	0.74
307.3835199	390.7983429	265.0662338	8/24/1986	72.63	0.64
271.1015564	338.3397438	236.0681812	8/25/1986	68.34	0.62
259.8642347	340.9530659	218.1240569	8/26/1986	74.07	0.73
203.8837604	288.881848	173.6361159	8/27/1986	77.18	0.78
340.1676214	422.4233716	301.4600959	8/28/1986	61.71	0.84

354.8322962	428.1927141	311.4474494	8/29/1986	58.21	0.65
264.4484616	327.3025483	229.5112896	8/30/1986	60.33	0.72
229.0595422	290.8976009	196.3600978	8/31/1986	63.37	0.77
200.5204085	261.3465983	166.0907887	9/1/1986	66.33	0.79
151.889623	209.0824974	118.7951666	9/2/1986	67.63	0.89
130.4383226	183.5759083	100.1806639	9/3/1986	69.12	0.88
133.9934404	187.0503259	105.0591685	9/4/1986	70.32	0.82
128.5024763	187.8631366	98.91257523	9/5/1986	70.15	0.93
146.8988979	205.5317545	119.018126	9/6/1986	71.8	0.8
197.8903497	258.1389714	167.6859557	9/7/1986	68.95	0.69
233.3415096	296.3709914	200.2948709	9/8/1986	60.53	0.83
213.3425271	269.9943315	184.2687896	9/9/1986	61.66	0.7
172.3499799	232.0650663	139.8891413	9/10/1986	66.12	0.86
154.6625396	236.6065439	108.9247214	9/11/1986	75.82	0.8
174.5053089	253.6792798	127.8283058	9/12/1986	76.34	0.73
244.2309192	309.5031522	209.8608444	9/13/1986	65.62	0.65
187.7823388	243.3487704	160.1479975	9/14/1986	65.96	0.72
201.2750325	269.8372003	160.4904918	9/15/1986	69.93	0.75
265.8151383	336.3923117	219.6642424	9/16/1986	65.65	0.67
274.4428812	335.132443	229.4070591	9/17/1986	55.53	0.7
217.5532375	275.9442749	179.0164665	9/18/1986	62.03	0.73
125.7834055	182.6688573	92.8570181	9/19/1986	72.27	0.75
78.98672516	126.4917347	48.51826747	9/20/1986	72.5	0.88
93.99805999	146.7762583	62.23644833	9/21/1986	74.16	0.8
126.759863	185.5846983	92.3282228	9/22/1986	69.82	0.83
139.9561198	212.8177276	93.75145964	9/23/1986	74.31	0.81
106.2093417	169.6330318	62.98385179	9/24/1986	77.08	0.77
85.77675845	143.0236936	56.89713485	9/25/1986	81.13	0.69
74.84870472	131.3585965	50.79642438	9/26/1986	80.9	0.7
122.4062186	180.9829174	89.72643233	9/27/1986	76.24	0.76
136.6970345	192.6037279	106.0668959	9/28/1986	69.92	0.88
149.2922531	210.5753674	121.6798176	9/29/1986	73.5	0.79
145.8924999	222.5431576	113.2656369	9/30/1986	78.55	0.75
122.1173271	194.3858681	100.5473914	10/1/1986	80.13	0.7
128.8950234	188.5153452	108.7576097	10/2/1986	78.12	0.69
149.3322798	216.7611042	127.9759786	10/3/1986	76.87	0.74
185.857903	281.0843115	162.291446	10/4/1986	82.79	0.62
201.4855082	264.9465562	184.011763	10/5/1986	75.92	0.62
363.9002561	431.2438508	342.6860713	10/6/1986	61.12	0.5
301.693584	364.2583076	291.2535115	10/7/1986	55.33	0.58
182.135391	235.4947228	170.4592862	10/8/1986	64.87	0.78
110.6942044	158.3275487	103.6997825	10/9/1986	67.77	0.91
386.4177737	476.6401629	370.1576222	10/10/1986	54.66	0.76
308.7557134	385.6010156	297.9676398	10/11/1986	54.76	0.79
180.6271295	231.944458	171.7226583	10/12/1986	61.6	0.78
106.0846739	152.8193311	103.4103546	10/13/1986	64.68	0.93
157.4992692	224.7056588	149.0604297	10/14/1986	69.67	0.77
241.485103	298.9337139	234.8626614	10/15/1986	52.33	0.64
219.6731439	268.0527438	214.5303154	10/16/1986	49.92	0.69
167.3187429	212.1563413	162.9983619	10/17/1986	50.64	0.77
264.0983087	328.0537075	241.7664253	10/18/1986	48.51	0.79
229.294205	285.5164512	212.2312801	10/19/1986	47.44	0.71

193.3243491	239.6631019	179.4989955	10/20/1986	49.24	0.66
150.8902127	194.9259469	136.4260179	10/21/1986	52.78	0.64
123.0270874	168.6033023	113.087647	10/22/1986	59.58	0.71
107.2949776	154.569545	95.44161186	10/23/1986	63.99	0.72
122.0627249	174.2290168	114.0090079	10/24/1986	62.7	0.72
140.5888141	196.8840014	131.4089458	10/25/1986	55.86	0.92
66.04062066	113.3477386	58.45781832	10/26/1986	63.34	0.98
86.55340625	133.9652546	79.368358	10/27/1986	62.42	0.88
127.4123893	175.8960023	122.6654017	10/28/1986	59.05	0.72
164.9984445	224.9742475	157.8015331	10/29/1986	55.74	0.78
138.2752646	193.160301	131.8372227	10/30/1986	59.01	0.73
197.0014272	258.8928795	186.1358643	10/31/1986	51.94	0.77
113.7141208	165.088477	101.1017283	11/1/1986	59.38	0.81
83.66093961	130.7871325	71.40900706	11/2/1986	60.73	0.89
186.7392622	243.9968011	179.2162363	11/3/1986	52.08	0.6
139.4516601	193.727955	134.1330018	11/4/1986	56.16	0.74
148.9672791	206.0981034	143.8381014	11/5/1986	50.82	0.94
116.7566251	161.9494133	112.9987961	11/6/1986	49.45	0.94
117.2368428	167.5095577	114.2653493	11/7/1986	51.33	0.97
65.10574691	116.7216141	62.4995384	11/8/1986	61.04	0.94
74.81931594	147.800632	70.26710872	11/9/1986	70.35	0.72
221.9225594	284.8452249	217.5854905	11/10/1986	51.6	0.44
155.7280634	209.2861175	153.4125677	11/11/1986	46.9	0.91
149.8700525	202.6391858	148.2470398	11/12/1986	45.71	0.87
259.6760722	325.9093406	253.2490809	11/13/1986	39.3	0.64
203.9566159	253.6039482	201.0230224	11/14/1986	29.58	0.59
119.1858451	155.2565743	117.078148	11/15/1986	40.67	0.76
89.18595738	126.8282215	88.60485493	11/16/1986	47.62	0.83
85.13353177	126.5417804	83.59996799	11/17/1986	46.65	0.96
92.14000952	142.3585443	90.28051699	11/18/1986	51.86	0.9
225.0625108	294.4070965	221.2431379	11/19/1986	43.83	0.57
142.3357069	189.5878827	142.6480023	11/20/1986	36.1	0.91
175.7063671	234.3662305	178.2166879	11/21/1986	44.82	0.67
108.8653766	145.6718664	110.5652018	11/22/1986	38.72	0.7
87.38115776	121.7052278	90.18013015	11/23/1986	42.31	0.87
56.3169605	104.2505277	57.56548952	11/24/1986	54.78	0.89
104.6332567	149.0953854	104.8351869	11/25/1986	47.37	0.67
46.84872351	89.54243981	44.90650592	11/26/1986	53.8	0.96
86.10718495	135.3273735	86.75602089	11/27/1986	52.74	0.77
76.84521928	114.1616332	79.74601039	11/28/1986	47.42	0.76
76.63172449	116.0619983	79.3192674	11/29/1986	50.74	0.71
134.2054188	188.771253	136.4925522	11/30/1986	44.58	0.69
204.6964596	274.9728578	203.6633332	12/1/1986	40.97	0.65
39.84364669	91.5467096	39.47689407	12/2/1986	54.55	0.97
110.0972578	168.0452405	110.6036737	12/3/1986	53.08	0.71
163.8252147	218.5187567	167.8959926	12/4/1986	41.66	0.48
132.1667477	173.8349219	134.2090042	12/5/1986	35.46	0.58
103.4162947	138.2409663	104.4092941	12/6/1986	33.59	0.65
110.9774804	149.5180126	111.4103494	12/7/1986	38.14	0.64
83.09887615	118.6576515	83.46172281	12/8/1986	46.33	0.61
38.09213638	81.27996115	40.81185797	12/9/1986	52.28	0.93
30.04912183	76.10405517	33.67355841	12/10/1986	59.06	0.78

117.9519921	169.7017824	119.9020685	12/11/1986	38.52	0.85
85.22657318	126.9165206	88.22966687	12/12/1986	39.4	0.91
181.3941663	239.7806137	182.9363471	12/13/1986	31.17	0.59
124.9650517	168.2363431	126.512412	12/14/1986	29.91	0.61
85.66032593	117.23859	86.67232196	12/15/1986	38.73	0.55
64.18223368	96.34175538	68.42405807	12/16/1986	40.51	0.69
72.25968875	113.3214257	73.92502072	12/17/1986	44.61	0.75
71.80577121	117.0855912	72.11179115	12/18/1986	45.04	0.79
132.766848	187.2060892	132.3377292	12/19/1986	41.84	0.53
96.18288841	135.9494628	97.90540889	12/20/1986	35.83	0.69
137.5615518	188.7373769	140.1436558	12/21/1986	33.42	0.64
86.04558022	122.4569906	88.55933994	12/22/1986	31.27	0.65
75.95448815	110.9071605	77.62647464	12/23/1986	36.04	0.72
44.01059927	92.76922333	44.65720028	12/24/1986	45.77	0.98
42.74884385	86.40281578	44.29021447	12/25/1986	47.06	0.89
88.25568984	133.2940855	84.84216892	12/26/1986	43.25	0.68
92.58917091	137.392495	87.17589739	12/27/1986	37.25	0.71
105.9956402	150.1309464	102.777699	12/28/1986	33.67	0.72
71.47159419	105.5068859	72.7404745	12/29/1986	32.5	0.76
75.44426625	112.5619528	71.3727287	12/30/1986	34	0.82
74.30148907	111.0295496	69.35011082	12/31/1986	35.33	0.71
102.5204795	158.3444168	95.72959617	1/1/1987	35.51	0.92
114.4201044	172.8303645	109.9634159	1/2/1987	38.79	0.72
121.3116051	171.7540726	120.6492114	1/3/1987	37.06	0.56
96.71216374	136.7817289	95.26370382	1/4/1987	34.38	0.56
131.2039612	180.9173976	128.4349551	1/5/1987	32.67	0.49
79.26919779	116.1444889	78.18194585	1/6/1987	34.43	0.64
82.1713093	131.8720799	78.63184948	1/7/1987	47.45	0.5
72.75046387	108.5625881	71.7922923	1/8/1987	36.54	0.63
64.4866001	95.39080681	63.6036372	1/9/1987	34.06	0.68
44.75422843	79.74290015	44.33210847	1/10/1987	38.2	0.93
108.533612	163.9452517	105.2227335	1/11/1987	39.83	0.62
114.7055394	168.6496747	111.8851522	1/12/1987	40.17	0.5
70.39842607	102.2406958	69.36924435	1/13/1987	36.79	0.59
66.3243605	114.2785413	66.96098431	1/14/1987	48.23	0.49
27.09183073	64.52347937	30.40893901	1/15/1987	55.12	0.63
55.95794391	97.20931961	55.43220159	1/16/1987	44.35	0.72
99.28558255	146.0535183	100.6792288	1/17/1987	35.74	0.64
69.48669653	111.6729607	71.9956371	1/18/1987	33.97	0.94
52.86954268	94.84112215	56.65513655	1/19/1987	37.75	0.95
62.31061517	98.95720548	64.91670758	1/20/1987	37.5	0.75
64.27107825	102.5706833	67.14497369	1/21/1987	36.83	0.74
102.4252045	157.4139666	101.5127682	1/22/1987	31.32	0.9
161.5836615	222.7238626	162.8181804	1/23/1987	26.47	0.56
129.5065607	168.6442234	125.7006531	1/24/1987	23.1	0.59
135.5326422	177.2317732	142.375876	1/25/1987	20.26	0.71
186.1052523	252.6200537	191.2891928	1/26/1987	21.16	0.75
105.6742901	143.0981598	108.5395031	1/27/1987	15.97	0.62
60.09646322	81.68096134	62.69486333	1/28/1987	15.58	0.69
76.80604805	109.2913196	80.25388573	1/29/1987	24.63	0.66
52.19312002	88.70251524	56.13788515	1/30/1987	40.21	0.64
115.2046942	160.3265897	119.2879382	1/31/1987	37.63	0.51

60.82813359	91.39764112	60.20838888	2/1/1987	34.6	0.62
47.84754027	78.28936546	47.41451199	2/2/1987	39.24	0.72
38.62754064	74.9377438	41.3599857	2/3/1987	42.83	0.71
47.59909764	79.81210648	48.94007091	2/4/1987	39.88	0.63
74.41444643	109.2372444	74.76417159	2/5/1987	34.96	0.54
52.66997483	82.58701312	53.89319436	2/6/1987	36.81	0.6
50.42718482	84.13826605	51.22658037	2/7/1987	42.59	0.53
90.66545293	145.5870071	92.65658542	2/8/1987	42.39	0.57
186.3081194	254.2172056	189.9219237	2/9/1987	31.49	0.37
108.598265	152.2096216	110.9915752	2/10/1987	35.13	0.33
48.05460183	77.68811315	52.75406718	2/11/1987	36.97	0.53
51.01745569	94.54955646	55.74512409	2/12/1987	43.25	0.66
64.54877494	104.2914298	67.67651785	2/13/1987	39.74	0.55
53.51611018	86.6474669	54.01233729	2/14/1987	37.41	0.69
102.8207487	150.4051969	105.3752096	2/15/1987	30.81	0.59
134.3485121	187.2584531	137.038692	2/16/1987	21.98	0.63
109.977551	160.50927	113.9704012	2/17/1987	31.09	0.65
68.30250758	106.3183411	71.02496317	2/18/1987	34.2	0.66
72.06859094	106.7641284	76.17587834	2/19/1987	31.3	0.55
52.51275841	83.57510128	57.27843848	2/20/1987	33.25	0.56
45.66138435	74.77033982	48.63134776	2/21/1987	37.3	0.55
55.77231723	93.98027749	58.96646883	2/22/1987	34.4	0.74
86.55575123	145.4513255	87.40266977	2/23/1987	39.72	0.68
53.73844142	86.94953974	55.69605353	2/24/1987	37.82	0.62
76.25929652	116.4038452	79.8089292	2/25/1987	38.28	0.49
76.20791968	117.0756821	80.56486985	2/26/1987	36.18	0.5
66.8202238	106.8182643	70.20464979	2/27/1987	37.25	0.61
30.20357393	72.67965372	31.76526991	2/28/1987	44.11	0.87
4.872322415	34.18944303	18.11970193	3/1/1987	61.08	0.71
83.45035284	150.6355593	87.76789963	3/2/1987	51.03	0.44
81.04231797	141.9284334	86.12276959	3/3/1987	48.79	0.4
111.0708466	165.0062656	119.2535648	3/4/1987	34.83	0.56
95.51949545	137.0348225	98.80057453	3/5/1987	34.14	0.54
59.70046851	93.49548514	62.63124256	3/6/1987	40.54	0.57
44.05143281	86.18616874	49.89265291	3/7/1987	52.65	0.49
24.36426556	57.77341086	29.34302579	3/8/1987	55.2	0.62
11.08486951	44.86201955	18.91159899	3/9/1987	53.62	0.94
185.8758456	265.6374839	191.2983023	3/10/1987	30.3	0.63
131.1184768	186.4912005	130.9118059	3/11/1987	31.52	0.57
91.76757851	138.391995	91.59694123	3/12/1987	37.97	0.64
122.7398664	181.8753432	126.9306843	3/13/1987	38.49	0.58
104.2687647	152.678801	107.131783	3/14/1987	39.66	0.42
81.05320357	129.7118647	82.66762099	3/15/1987	42.74	0.62
81.59115756	132.6968683	83.98084661	3/16/1987	36.3	0.85
115.0063466	167.4708236	117.9163311	3/17/1987	40.17	0.47
85.07433563	128.6203621	86.65923572	3/18/1987	45.99	0.36
71.02097323	110.5142377	73.62672407	3/19/1987	41.2	0.62
84.24518494	129.3888051	85.25947392	3/20/1987	44.73	0.55
104.324738	158.9014556	108.3102364	3/21/1987	44.38	0.56
108.511139	167.3960689	111.7431771	3/22/1987	47.64	0.51
69.0198201	114.0217616	71.93259936	3/23/1987	48.26	0.61
52.01378559	99.04376882	57.50936289	3/24/1987	52.53	0.57

70.46008394	128.6464885	80.13523083	3/25/1987	55.65	0.47
55.70238841	100.0889745	63.04289665	3/26/1987	61.07	0.51
30.33104227	71.32755737	35.60999523	3/27/1987	59.07	0.66
24.76862371	72.16713565	25.28799506	3/28/1987	58.44	0.81
50.57518966	106.9174621	48.99181413	3/29/1987	56.79	0.7
21.71058708	74.58198409	20.61791995	3/30/1987	57.45	0.92
129.4138994	208.529319	122.0907819	3/31/1987	54.87	0.64
166.8637988	225.1010076	164.2074539	4/1/1987	39.83	0.44
181.4238398	256.9760192	176.9555864	4/2/1987	52.5	0.47
135.2439627	198.641871	133.0583552	4/3/1987	44.97	0.73
154.1777764	224.2779721	151.3277105	4/4/1987	46.09	0.73
102.3055586	144.5308011	100.2299193	4/5/1987	37.14	0.8
89.48560051	131.5837795	87.95290019	4/6/1987	39.37	0.89
96.16319205	152.5049987	96.14447613	4/7/1987	53.68	0.56
82.09460224	136.6043406	81.66969831	4/8/1987	57.2	0.52
115.2788393	166.624576	114.3822159	4/9/1987	51.19	0.56
81.97243695	125.9574593	78.81886492	4/10/1987	56.82	0.49
80.89203049	133.6293646	80.16765612	4/11/1987	57.57	0.64
67.9878365	123.3077332	66.54496587	4/12/1987	57.62	0.78
115.0326215	173.4054285	113.363154	4/13/1987	58.24	0.56
113.9906391	169.0988941	113.1523182	4/14/1987	53.24	0.66
116.5869016	174.1506131	113.837138	4/15/1987	49.95	0.83
95.31850761	165.3480631	94.20371804	4/16/1987	54.13	0.92
52.61601627	100.983179	51.48407776	4/17/1987	59.7	0.78
61.98854452	119.0851032	61.20515561	4/18/1987	57.96	0.88
53.20858088	116.1032989	47.4881798	4/19/1987	62.23	0.81
50.12183966	111.1360855	44.24100305	4/20/1987	61.86	0.85
48.52443148	100.460771	37.30348593	4/21/1987	62.68	0.82
46.94979925	91.21221504	30.68180287	4/22/1987	66.25	0.75
76.61298371	123.5775428	63.1350451	4/23/1987	56.26	0.93
60.70643183	109.0031569	45.94873294	4/24/1987	58.06	0.99
193.4391391	267.6901038	174.8654859	4/25/1987	47.86	0.94
234.0216567	305.3936993	219.036244	4/26/1987	50.64	0.56
179.2336126	235.6411593	166.43712	4/27/1987	51.93	0.5
154.2578062	209.3656782	140.4446278	4/28/1987	53.13	0.6
189.059549	260.1530848	168.4331124	4/29/1987	60.7	0.47
144.7000689	214.6689818	124.9954257	4/30/1987	65.52	0.37
112.1854385	158.7272871	98.16600204	5/1/1987	59.83	0.55
67.02582356	110.9728874	55.1164706	5/2/1987	64.63	0.68
38.94990754	85.49226627	28.1332817	5/3/1987	67.94	0.8
194.8165467	267.0338503	167.7191543	5/4/1987	50.79	0.92
171.7291453	225.6389604	146.7828864	5/5/1987	52.74	0.7
139.6579322	186.6494089	115.4686986	5/6/1987	60.61	0.55
87.86769968	132.9992806	67.5324297	5/7/1987	65.22	0.58
178.9309881	244.4612131	156.8977668	5/8/1987	60.42	0.54
159.1699215	219.3939443	139.1724951	5/9/1987	62.33	0.51
123.5409978	184.1314554	103.9332974	5/10/1987	69.24	0.47
111.6367101	176.640506	88.76472869	5/11/1987	73.17	0.53
98.51544281	169.5188402	76.52816241	5/12/1987	71.7	0.67
163.5882923	229.7797259	132.1170687	5/13/1987	61.63	0.8
120.6185372	170.0355424	95.40857334	5/14/1987	59.7	0.87
92.45753827	149.8695769	60.33569263	5/15/1987	68.07	0.82

175.202988	233.2451239	147.1707454	5/16/1987	62.15	0.6
106.6114342	166.050734	74.18432168	5/17/1987	70.54	0.73
64.17039403	109.5620222	42.45672664	5/18/1987	78.16	0.64
121.6460409	183.7873114	93.68124911	5/19/1987	65.36	0.92
215.2954429	289.7060703	176.3163636	5/20/1987	56.7	0.95
151.9709647	212.6196282	114.9271676	5/21/1987	63.09	0.88
66.02007133	111.2221982	42.23623876	5/22/1987	69.69	0.87
69.23370869	127.5700937	42.37164244	5/23/1987	75.72	0.76
58.07989373	113.8147931	35.39348771	5/24/1987	75.33	0.8
122.4274361	184.846239	64.94246156	5/25/1987	65.32	0.97
166.6316675	231.6153376	106.1167264	5/26/1987	63.24	0.87
134.0412667	188.3685003	79.89446354	5/27/1987	67.3	0.75
85.49263178	135.5018503	28.87804522	5/28/1987	71.93	0.84
47.41840611	99.80652544	12.21507577	5/29/1987	77.98	0.75
64.46014528	124.9197686	19.20840969	5/30/1987	79.91	0.72
126.0752396	205.0613435	49.5666166	5/31/1987	77.72	0.75
102.2999289	156.9251422	40.87400005	6/1/1987	76.02	0.79
120.7482558	175.7709341	62.09480915	6/2/1987	75.85	0.76
128.8299036	198.4363503	71.71356305	6/3/1987	75.48	0.83
139.3135456	205.1776554	93.16490011	6/4/1987	69.58	0.94
248.0682417	326.3723254	191.5769321	6/5/1987	69.74	0.7
259.279546	336.5046014	204.2866329	6/6/1987	70.39	0.62
226.72291	304.6923466	171.7096247	6/7/1987	74.88	0.64
248.2930461	339.0400758	185.0830962	6/8/1987	79.17	0.58
228.4260933	316.0234976	170.0220406	6/9/1987	77.01	0.67
340.2845469	419.4761637	285.3295803	6/10/1987	64.37	0.61
232.3117428	293.318687	187.7048795	6/11/1987	67.91	0.65
207.0710391	284.5264148	152.0736151	6/12/1987	74.79	0.75
149.4332644	220.35128	99.21159182	6/13/1987	76.36	0.82
120.7113316	174.0485151	85.03211217	6/14/1987	72.81	0.88
128.0354803	192.0395208	72.34282047	6/15/1987	80.52	0.72
112.0655109	170.5298752	75.85810374	6/16/1987	78.03	0.8
182.0413228	247.5398953	137.9863722	6/17/1987	76.91	0.71
209.4567832	267.3348239	164.9248108	6/18/1987	72.59	0.66
174.7454988	232.6767706	134.5746762	6/19/1987	76.38	0.7
149.2450927	218.3962806	100.803471	6/20/1987	81.75	0.71
154.8403149	227.1285678	107.9367656	6/21/1987	80.24	0.78
193.9745825	271.7209163	140.0075269	6/22/1987	80.83	0.74
184.6925604	256.7725912	120.8238252	6/23/1987	79.58	0.77
244.8376358	314.318912	197.5312927	6/24/1987	71.46	0.81
212.1401238	271.4013954	169.7580609	6/25/1987	75.22	0.67
172.127526	234.5287561	127.6232127	6/26/1987	74.38	0.86
236.2047096	305.5282978	183.2371251	6/27/1987	77.6	0.65
245.9495515	304.899932	200.7525221	6/28/1987	71.92	0.57
306.079219	382.7688891	249.8596251	6/29/1987	75.81	0.59
237.2386716	318.6603701	183.6581706	6/30/1987	80.56	0.67
189.3982977	262.8885662	141.0970392	7/1/1987	81.71	0.72
208.3824219	288.3876114	151.7043221	7/2/1987	77.73	0.87
188.9410657	261.5629401	139.93659	7/3/1987	78.33	0.85
184.717275	251.1728064	136.4543146	7/4/1987	77.24	0.87
170.1255094	229.7744281	130.5050885	7/5/1987	78.24	0.82
186.7481027	247.7445126	148.4536314	7/6/1987	76.87	0.82

138.7262044	198.1518459	106.8658585	7/7/1987	79.77	0.83
144.3859065	205.1223471	105.582581	7/8/1987	84.99	0.69
133.0759064	190.4166946	103.7849027	7/9/1987	84.83	0.7
167.9012752	228.1066401	134.5393105	7/10/1987	83.83	0.68
184.3624898	238.4751342	146.1654689	7/11/1987	83.37	0.71
189.1139285	230.1552774	153.169787	7/12/1987	79.4	0.79
173.5652259	212.0468086	149.0952421	7/13/1987	80.14	0.74
298.7360073	367.1826942	269.1106069	7/14/1987	78.45	0.74
389.519149	465.446484	343.9595399	7/15/1987	70.28	0.56
265.241185	325.9961716	227.6632095	7/16/1987	72.41	0.68
272.2513336	336.6797931	235.6806261	7/17/1987	72.39	0.67
269.1108698	341.6346728	228.7678167	7/18/1987	76.34	0.64
226.8553737	294.980816	186.2893901	7/19/1987	80.32	0.63
208.1678624	264.5927696	171.3601697	7/20/1987	84.01	0.58
213.3146183	278.3969911	164.4004542	7/21/1987	88.27	0.54
262.5164068	326.5919828	212.6205337	7/22/1987	85.73	0.58
200.0360266	242.7825745	160.1659925	7/23/1987	84.72	0.64
238.0962083	282.7787424	194.0932482	7/24/1987	84.33	0.64
232.5811275	281.896856	187.7596943	7/25/1987	84.7	0.67
265.9953004	315.0020664	215.8880773	7/26/1987	84.98	0.62
229.2074305	269.8862717	183.3237161	7/27/1987	83.01	0.64
404.1801076	469.7691539	346.6880425	7/28/1987	80.21	0.52
295.1515143	339.074772	250.6768472	7/29/1987	78.13	0.55
342.1561526	420.3425973	283.8254022	7/30/1987	81.09	0.57
260.9096898	335.6544904	210.1012326	7/31/1987	80.71	0.67
201.2463059	266.3796442	155.9428242	8/1/1987	78.25	0.82
208.4460088	277.7994173	159.976018	8/2/1987	80.71	0.76
204.3497986	274.631893	158.2068113	8/3/1987	85.32	0.66
190.6636666	237.4281891	142.4873265	8/4/1987	82.89	0.74
196.9194548	244.4721278	150.26133	8/5/1987	81.75	0.78
299.8246478	364.8898935	243.0463781	8/6/1987	75.92	0.83
229.6129435	281.0454989	183.1358699	8/7/1987	78.46	0.76
230.6444679	287.7843935	185.4204497	8/8/1987	81.5	0.72
278.7267752	370.5942508	210.588007	8/9/1987	85.03	0.69
288.3988582	372.5976204	225.2558264	8/10/1987	85.51	0.61
352.5954431	424.2766035	293.0459849	8/11/1987	75.08	0.61
306.190134	373.718193	251.1361806	8/12/1987	73.39	0.68
326.2901751	400.1832248	272.1226039	8/13/1987	73.28	0.67
290.9178475	366.849405	232.8385726	8/14/1987	73.89	0.75
256.8542429	334.2389903	198.0829372	8/15/1987	76.21	0.77
141.5622339	203.4869517	99.83665992	8/16/1987	81.39	0.76
207.8678004	287.1475552	149.5116381	8/17/1987	84.99	0.65
193.7562049	271.7463723	145.5324626	8/18/1987	84.98	0.62
180.4427355	238.924851	132.6229388	8/19/1987	74.04	0.9
229.3611006	291.8955406	181.3414176	8/20/1987	75.32	0.71
267.0678741	332.5219487	215.3876357	8/21/1987	77.26	0.58
261.9946715	341.7606054	198.7346009	8/22/1987	79.3	0.72
339.2440982	417.0976137	278.5282763	8/23/1987	72.54	0.61
341.4305912	411.9780305	275.5347014	8/24/1987	67.72	0.53
251.6528178	319.1786879	173.4667259	8/25/1987	70.23	0.67
175.4683379	238.7098547	111.7275568	8/26/1987	71.57	0.84
171.2936383	258.974542	72.18005771	8/27/1987	83.22	0.7

191.8516768	270.9624029	111.9815722	8/28/1987	81.92	0.66
264.5483732	340.8192322	178.619695	8/29/1987	77.65	0.61
284.153709	353.6142063	200.7135127	8/30/1987	70.24	0.63
176.9955267	234.9836884	103.1189075	8/31/1987	70.33	0.88
229.051355	295.0767175	151.8418874	9/1/1987	72.31	0.68
228.7979547	295.1271177	149.9011673	9/2/1987	71.22	0.69
236.8893335	307.6211554	149.5758183	9/3/1987	71.12	0.73
293.9088213	372.8557911	195.6096505	9/4/1987	69.58	0.66
214.0267381	287.4228048	118.9854526	9/5/1987	67.12	0.94
108.1924842	165.7872352	37.01674724	9/6/1987	74.95	0.91
127.6013451	194.6908665	48.85952316	9/7/1987	76.46	0.85
129.7106872	200.5776483	33.31446935	9/8/1987	77.37	0.86
88.33787974	135.6314363	26.26000666	9/9/1987	78.09	0.77
118.3810507	169.3674981	56.177452	9/10/1987	74.95	0.81
141.5302406	203.7862703	69.10193422	9/11/1987	75.63	0.81
134.9225338	198.8723483	50.4861412	9/12/1987	75.13	0.92
133.2668075	191.9456244	56.34503551	9/13/1987	74.92	0.89
149.1947894	205.9939751	80.09979303	9/14/1987	74.66	0.78
185.1465869	253.1289695	107.0797828	9/15/1987	74.49	0.75
199.5584139	275.7828253	108.2567167	9/16/1987	75.52	0.77
179.6867571	255.4484764	88.93503108	9/17/1987	76.68	0.8
201.0375089	270.3873241	113.9722106	9/18/1987	77.45	0.68
186.1627645	248.3873455	109.9045607	9/19/1987	69.92	0.85
197.0273289	260.7935773	113.3846636	9/20/1987	65.56	0.97
169.5402232	224.3205974	97.5251987	9/21/1987	68.13	0.82
221.5284067	280.8704083	138.9818992	9/22/1987	67.76	0.7
264.708991	331.197787	178.4211829	9/23/1987	63.62	0.69
217.4194314	273.963937	139.2839854	9/24/1987	63.72	0.71
263.5419252	326.8765786	174.3297425	9/25/1987	61.32	0.69
185.1273281	237.2892032	115.5909894	9/26/1987	62.25	0.74
147.0052996	195.7399298	82.36368493	9/27/1987	67.76	0.76
166.2239565	223.3860248	95.6285266	9/28/1987	68.83	0.72
177.3971631	237.2584526	100.14473	9/29/1987	68.09	0.75
218.4170917	288.7364056	120.8876562	9/30/1987	67.49	0.78
378.3873338	458.2863065	270.3700446	10/1/1987	57.73	0.57
309.8821513	383.4184738	215.3240149	10/2/1987	58.69	0.67
328.0336221	404.3950752	229.4842936	10/3/1987	51.93	0.83
322.4333083	387.8161813	234.5769891	10/4/1987	48.17	0.58
211.9574711	260.2447031	144.4799922	10/5/1987	53.45	0.59
244.7643657	312.5639407	152.3646726	10/6/1987	58.95	0.74
221.2249256	280.4910844	143.6979025	10/7/1987	56.64	0.69
256.5406721	312.0907489	177.5858171	10/8/1987	50.41	0.65
190.4919102	238.607318	129.1633385	10/9/1987	49.77	0.7
150.7369249	197.99839	91.14040345	10/10/1987	58.55	0.71
174.5924694	232.7568897	103.13932	10/11/1987	61.33	0.7
283.0521699	349.4637843	200.1456138	10/12/1987	46.12	0.75
296.5635296	362.1183939	217.2663276	10/13/1987	46.28	0.63
222.1041418	275.8042922	159.0046445	10/14/1987	47.73	0.68
165.6037881	211.3013333	119.1017415	10/15/1987	48.49	0.68
131.3443861	170.835003	87.41045866	10/16/1987	53.09	0.66
92.97915341	131.9566532	59.51796867	10/17/1987	54.19	0.87
103.6793786	142.9800391	65.20224656	10/18/1987	56.53	0.77

106.5755071	148.7917533	67.71698973	10/19/1987	57.4	0.73
115.1817872	168.8695811	66.36155431	10/20/1987	61	0.75
230.8083579	299.4795658	165.7525602	10/21/1987	56.71	0.53
207.9727802	260.340906	161.1833131	10/22/1987	44.34	0.52
210.2322135	266.1978096	157.1618819	10/23/1987	49.39	0.52
165.6121556	216.7365663	118.6749253	10/24/1987	54.64	0.49
203.3701848	262.7434282	146.0200695	10/25/1987	51.68	0.56
164.0523874	212.2323399	118.8694731	10/26/1987	45.13	0.63
150.4510705	204.2030876	99.02640427	10/27/1987	45.56	0.94
161.8503723	215.3008386	111.9873493	10/28/1987	50.86	0.61
138.9641545	181.0507412	95.15521471	10/29/1987	44.91	0.64
147.0887245	199.0839384	91.77968772	10/30/1987	54.62	0.59
92.41215472	139.946656	46.85045556	10/31/1987	59.46	0.63
75.04232581	109.9938327	41.18389252	11/1/1987	55.08	0.78
70.91329119	108.8903724	39.47395772	11/2/1987	54.64	0.78
75.59872059	120.8919128	36.60576123	11/3/1987	57.9	0.79
70.66127512	134.4601688	27.99048681	11/4/1987	64.34	0.71
152.3460223	216.4855655	85.39041939	11/5/1987	61.3	0.52
201.3182845	254.810666	151.4758531	11/6/1987	43.21	0.4
184.7080342	238.9860899	140.6365438	11/7/1987	49.62	0.41
192.4115323	269.3708905	138.3813572	11/8/1987	63.19	0.3
86.23680018	144.6128124	46.89412627	11/9/1987	64.05	0.64
158.8488967	227.0249381	106.3606407	11/10/1987	48.42	0.92
254.2892622	326.040469	199.0319548	11/11/1987	31.67	0.93
171.7400246	219.2374161	134.4974481	11/12/1987	35.99	0.68
134.9825184	176.9227846	105.8489916	11/13/1987	44.58	0.59
84.46349795	115.3097486	63.52475404	11/14/1987	50.56	0.54
107.8426898	147.8570009	85.46517747	11/15/1987	49.6	0.55
70.0629404	111.8312308	48.79261545	11/16/1987	51.4	0.87
26.50545959	72.64434502	16.35095492	11/17/1987	65.07	0.8
77.06508564	137.4755163	56.77320105	11/18/1987	62.27	0.63
121.6532651	164.9773791	101.8247762	11/19/1987	48.03	0.62
182.4987189	241.844985	157.0227586	11/20/1987	44.04	0.66
299.1763697	370.799913	267.0391079	11/21/1987	30.55	0.41
157.7052868	196.2816082	139.4404081	11/22/1987	31	0.42
174.9204231	225.214469	147.6538411	11/23/1987	43.4	0.48
73.72721621	120.4899753	49.99240478	11/24/1987	55.38	0.61
46.3547596	82.27322896	25.72256246	11/25/1987	55.65	0.78
15.47760907	48.25471961	9.41092676	11/26/1987	58.97	0.88
98.83896049	156.3869823	78.23053743	11/27/1987	45.81	0.97
92.24635328	147.0928895	73.73298325	11/28/1987	47.06	0.95
16.48482485	54.0704061	12.7277663	11/29/1987	58.15	0.98
91.03534164	135.9103557	64.02604493	11/30/1987	47.73	0.82
126.9259254	177.1886966	100.20899	12/1/1987	45.17	0.66
175.9209695	233.6949611	143.6349818	12/2/1987	40.57	0.55
115.2572923	156.0352742	91.85554105	12/3/1987	38.33	0.7
130.4494365	181.8192868	97.00508109	12/4/1987	40.29	0.81
170.3855421	226.0234728	134.870875	12/5/1987	36.72	0.55
125.4371758	167.6371722	101.5440253	12/6/1987	36.69	0.59
87.65861335	121.1037126	69.91280846	12/7/1987	34.76	0.67
81.55310268	112.4792075	60.55184114	12/8/1987	38.29	0.7
54.91487998	98.462992	30.93730518	12/9/1987	52.81	0.73

14.49289867	50.08450671	6.617729404	12/10/1987	54.88	0.95
83.81251565	131.8672667	59.55652646	12/11/1987	46	0.79
119.396278	171.7382241	95.54444221	12/12/1987	49.17	0.52
118.2994213	163.798413	100.8615188	12/13/1987	45.27	0.46
77.36885931	114.153235	67.0616665	12/14/1987	41.22	0.72
60.26034286	111.7023308	44.28485147	12/15/1987	48.4	0.92
190.369538	257.3172344	169.3435393	12/16/1987	39.78	0.5
162.9011857	216.797024	144.1001114	12/17/1987	36.37	0.53
112.0879673	150.7308275	101.5859962	12/18/1987	31.83	0.6
99.39529636	140.6793791	88.09751366	12/19/1987	42.67	0.59
52.78624047	106.6921072	43.56926385	12/20/1987	55.03	0.67
61.65479393	98.89829151	51.22243727	12/21/1987	46.9	0.72
63.27768281	98.41368201	54.14335091	12/22/1987	40.38	0.88
77.08420997	116.1089225	68.44563593	12/23/1987	43.24	0.68
84.55401731	129.6569818	74.41699604	12/24/1987	46.34	0.61
5.448174967	22.61776832	7.454389313	12/25/1987	59.2	0.94
18.51790063	62.71409722	18.66005548	12/26/1987	52.24	0.97
58.20886161	90.01614157	52.65018194	12/27/1987	41.6	0.81
73.26399434	113.6239983	67.0167784	12/28/1987	38.34	0.96
169.8211733	236.5792373	158.2203678	12/29/1987	35.08	0.69
106.6553611	143.2967186	99.55621155	12/30/1987	27.8	0.55
143.319411	197.3172232	132.6758603	12/31/1987	39.4	0.55
38.88750135	86.84858085	35.64987935	1/1/1988	51.26	0.78
138.2969715	184.9805347	131.1550755	1/2/1988	34.5	0.41
104.4367457	147.0385378	99.29105566	1/3/1988	29.15	0.74
102.4529602	148.0288112	96.23323092	1/4/1988	34.8	0.77
170.8902754	222.365957	164.1550023	1/5/1988	26.38	0.34
147.2308004	182.2167296	135.9897676	1/6/1988	17.71	0.45
149.0056795	191.5145471	146.3384766	1/7/1988	17.27	0.66
139.4401311	194.6580362	133.3485584	1/8/1988	24.16	0.86
74.53043434	104.4620644	65.80470992	1/9/1988	23.77	0.8
107.3618134	144.8929044	92.93166239	1/10/1988	21.27	0.7
86.52212581	121.1619954	76.27051166	1/11/1988	21.25	0.72
89.08454468	124.0425417	77.62796541	1/12/1988	23.63	0.69
111.1898888	162.3418141	93.76534725	1/13/1988	35.79	0.57
142.0160385	192.2660687	124.1205745	1/14/1988	20.91	0.5
76.83305458	105.5672615	66.23215139	1/15/1988	17.09	0.6
77.94764357	110.9976532	65.05490507	1/16/1988	24.46	0.63
74.57944789	113.8457286	63.07565704	1/17/1988	35.92	0.57
19.53580549	50.24766295	15.02967503	1/18/1988	44.41	0.9
33.63607865	67.13273754	28.91182363	1/19/1988	39.03	0.85
25.44128034	62.5474822	15.1661496	1/20/1988	40.72	0.98
15.36515296	49.67515658	10.79538916	1/21/1988	47.66	0.83
55.72891658	94.33157228	43.56063497	1/22/1988	38.25	0.7
77.28958795	118.0717946	64.21515241	1/23/1988	34.12	0.64
84.85056904	132.1696876	66.92543817	1/24/1988	39.42	0.58
45.90184711	84.76237039	33.48116294	1/25/1988	39.31	0.82
148.0515136	208.6707097	122.3914992	1/26/1988	26.96	0.59
83.76645328	119.1840559	69.01446721	1/27/1988	23.89	0.6
77.82427804	109.1768624	64.93256126	1/28/1988	26.04	0.67
69.52929481	103.1386445	54.76854165	1/29/1988	29.87	0.7
55.53259532	107.4976196	38.36963165	1/30/1988	46.97	0.59

14.47754232	49.91535748	5.28599688	1/31/1988	53.8	0.71
1.173282443	15.00395868	0	2/1/1988	61.03	0.75
0.283206107	13.03538297	0	2/2/1988	60.31	0.86
53.12288426	102.2432643	28.99317824	2/3/1988	38.98	0.96
63.55744576	112.0932565	35.24726807	2/4/1988	40.38	0.86
100.3178497	146.239858	74.5719366	2/5/1988	33.01	0.56
158.0587402	211.3430274	126.0598548	2/6/1988	22.5	0.38
127.6097843	174.3743037	99.03030987	2/7/1988	22.54	0.45
91.6735607	134.110751	70.27114378	2/8/1988	35.3	0.42
56.07582389	92.52567175	42.62831563	2/9/1988	35.91	0.71
61.96963261	100.2225844	44.38198444	2/10/1988	36.36	0.71
65.48920997	112.6214921	46.41722753	2/11/1988	34.15	0.91
70.89640362	119.192599	50.6663999	2/12/1988	34.76	0.87
170.8332837	232.3491756	140.4660236	2/13/1988	25.86	0.38
96.06736511	136.6057198	76.79446074	2/14/1988	32.47	0.41
25.90421349	74.01978954	12.13837299	2/15/1988	47.12	0.81
63.82939872	112.7357998	44.57601069	2/16/1988	42.61	0.69
44.16445257	73.71282596	34.97488728	2/17/1988	41.79	0.61
38.62484497	77.57112795	36.59071657	2/18/1988	46.79	0.58
28.05258523	66.32149417	20.85029044	2/19/1988	44.73	0.86
26.41755901	74.95670255	20.82032448	2/20/1988	48.5	0.83
125.2178314	176.5374773	114.1957391	2/21/1988	37.07	0.39
127.4426221	184.0595508	112.0123614	2/22/1988	39.77	0.48
66.94149548	124.3271993	60.83805714	2/23/1988	51.83	0.57
94.00239442	141.7772704	86.06912418	2/24/1988	39.23	0.58
103.5923932	148.3545314	98.86895592	2/25/1988	31.23	0.53
102.2332003	145.8804276	96.36076292	2/26/1988	32.13	0.5
100.2360376	151.6539007	92.33261808	2/27/1988	40.53	0.53
97.6185865	146.7031868	89.04824082	2/28/1988	35.17	0.71
69.44373317	109.9056412	62.83044647	2/29/1988	41.79	0.59
67.24336119	105.2017119	63.7186147	3/1/1988	41.27	0.51
82.56647597	135.574995	75.94679278	3/2/1988	47.46	0.47
35.3852508	76.53316628	34.77689478	3/3/1988	54.25	0.61
11.08229712	45.88025336	15.94157357	3/4/1988	56.54	0.83
111.942645	164.1168679	108.8143163	3/5/1988	39.45	0.53
67.05185388	102.7298445	64.25105632	3/6/1988	41.58	0.57
40.42989504	78.39112023	38.80000459	3/7/1988	50.01	0.6
56.25080652	101.2736468	52.59395065	3/8/1988	49	0.63
14.39453574	53.99714247	20.10034506	3/9/1988	53.08	0.93
88.6146916	151.3699757	83.51825339	3/10/1988	48.34	0.68
107.983888	156.1869598	105.9655443	3/11/1988	43.76	0.45
95.0590913	164.7785476	94.34726781	3/12/1988	54.45	0.54
56.40438742	113.7610746	56.7664106	3/13/1988	56.97	0.62
130.6656693	183.8827224	128.3773852	3/14/1988	35.5	0.7
189.678199	251.5908785	187.2029115	3/15/1988	32.34	0.44
167.9813221	227.6492919	165.1149983	3/16/1988	37.29	0.4
133.5377628	180.9081798	125.3719546	3/17/1988	39.3	0.45
103.6389118	147.1384494	92.32335896	3/18/1988	41.37	0.59
115.118091	168.2092234	100.3267095	3/19/1988	43.28	0.58
150.9440264	212.3371936	132.3258454	3/20/1988	44.28	0.46
118.7283602	163.6860641	103.982666	3/21/1988	31.97	0.68
89.95143103	127.1356016	78.39751393	3/22/1988	36.2	0.58

84.83007209	135.8720237	70.76406406	3/23/1988	48.51	0.65
10.37996978	53.48176725	14.68250673	3/24/1988	64.71	0.69
16.33605379	58.13763216	18.99830522	3/25/1988	65.88	0.7
17.79255861	64.63819879	10.71074029	3/26/1988	57.42	0.93
110.8935944	172.5560869	108.4342658	3/27/1988	52.17	0.57
78.21578753	115.4102701	70.94567342	3/28/1988	47.58	0.57
76.41413357	131.4050309	73.53378902	3/29/1988	57.38	0.56
38.31609794	82.01246519	33.72082338	3/30/1988	64.46	0.65
36.31531755	79.95577024	33.97953438	3/31/1988	61.88	0.71
31.83463674	75.17067373	28.90645649	4/1/1988	61.72	0.76
26.20859653	64.15000009	23.60956037	4/2/1988	67.53	0.67
49.98892966	110.9553984	43.79031676	4/3/1988	67.56	0.66
20.81766892	68.48657773	22.76494576	4/4/1988	68.17	0.78
58.74265267	108.8553	52.96557231	4/5/1988	65.58	0.61
79.4557709	147.6231981	73.70584126	4/6/1988	67.21	0.61
130.6660494	202.492262	121.7315967	4/7/1988	50.26	0.92
202.1457094	284.7306446	191.6577418	4/8/1988	49.6	0.8
216.4724905	293.0102234	208.1760433	4/9/1988	51.88	0.56
170.7649128	235.139994	168.7391658	4/10/1988	53.65	0.51
140.9853236	196.571021	137.8192486	4/11/1988	52.5	0.59
197.3901102	273.7397335	191.6535727	4/12/1988	43.96	0.86
235.0566548	313.364374	229.7908324	4/13/1988	44.99	0.65
151.9267493	204.4375498	147.8298159	4/14/1988	46.46	0.71
127.9629178	190.1933371	126.3508932	4/15/1988	59.63	0.55
178.7688839	233.6226125	176.0465804	4/16/1988	48.76	0.45
184.5457405	246.092269	182.0099321	4/17/1988	54.47	0.45
114.5060405	179.9674682	110.4011467	4/18/1988	60.47	0.68
156.639468	209.5139734	155.0229233	4/19/1988	42.96	0.81
179.8847198	234.174692	178.999039	4/20/1988	51.3	0.47
150.0916584	216.141618	149.2743982	4/21/1988	61.71	0.4
124.3038385	169.2310518	124.4092087	4/22/1988	52.63	0.51
80.60815608	125.7690238	79.1147412	4/23/1988	58.84	0.72
124.6906271	201.2956144	123.9397437	4/24/1988	64.11	0.55
139.5897494	186.6000959	137.8393139	4/25/1988	51.96	0.53
111.5695304	153.7378336	111.4348452	4/26/1988	55.25	0.61
113.144081	175.7879582	112.4712186	4/27/1988	61.29	0.69
214.0382825	282.2824706	212.2857709	4/28/1988	53.87	0.52
200.5641765	258.6912472	199.4333338	4/29/1988	52.24	0.5
181.8412505	240.8357099	181.8722487	4/30/1988	57.62	0.45
108.8355634	153.3960584	109.2815066	5/1/1988	57.33	0.57
132.8077123	181.8498574	131.1013518	5/2/1988	54.19	0.67
136.5026909	191.3846147	135.6750552	5/3/1988	53.56	0.71
80.38498232	129.7149987	80.6147765	5/4/1988	59.14	0.82
73.83629082	125.9143453	75.17708274	5/5/1988	58.45	0.94
100.53568	159.2606659	101.1456763	5/6/1988	56.03	0.94
119.6213497	188.6472	121.7790408	5/7/1988	65.23	0.63
160.1823973	219.7796	160.5824761	5/8/1988	59.31	0.59
136.7672047	197.1112071	136.4245176	5/9/1988	62.87	0.63
84.27248173	147.4501998	86.34238172	5/10/1988	67.43	0.73
71.7338506	113.0732567	71.60807305	5/11/1988	63.74	0.79
103.3062007	149.3485437	102.9441344	5/12/1988	65.19	0.65
101.7561789	162.4678583	102.8349715	5/13/1988	67.84	0.71

88.48505642	143.8229321	90.21179206	5/14/1988	69.21	0.7
88.13605367	137.3772706	88.47842733	5/15/1988	66.54	0.8
81.7562608	142.9818672	83.69738142	5/16/1988	69.99	0.79
77.05189224	129.1278508	78.92849864	5/17/1988	68.88	0.82
109.7018702	167.2655552	111.687261	5/18/1988	66.21	0.81
112.4014305	164.0632087	114.6539373	5/19/1988	68.07	0.71
101.1327264	159.0082372	103.9360721	5/20/1988	67.5	0.85
97.29841261	155.2761111	101.6420915	5/21/1988	67	0.87
83.13792459	138.8021569	83.9271327	5/22/1988	71.3	0.81
88.17002633	163.1537259	90.70380912	5/23/1988	76.99	0.74
167.3166676	245.5343109	170.6607663	5/24/1988	74.33	0.62
298.4708416	383.3350206	302.5982495	5/25/1988	59.17	0.74
278.523501	345.0348635	281.6442133	5/26/1988	56.67	0.57
165.1420407	215.0442069	169.5095287	5/27/1988	61.12	0.63
189.6030303	249.0359841	192.1975269	5/28/1988	62.43	0.66
110.3393699	156.9058765	111.5880045	5/29/1988	71.01	0.61
83.5193639	139.7349003	85.88629996	5/30/1988	76.26	0.61
110.2788756	181.7290458	111.555785	5/31/1988	80.24	0.57
157.8580026	239.846807	161.2324704	6/1/1988	81.21	0.51
278.9073708	352.6659524	283.6994021	6/2/1988	61.03	0.81
288.2809912	355.4209796	290.6642278	6/3/1988	53.93	0.86
240.9306725	301.9891246	245.6960577	6/4/1988	56.35	0.72
277.5830451	353.1776885	282.4781154	6/5/1988	66.13	0.55
209.4839738	298.0880626	210.3571316	6/6/1988	78.34	0.46
165.3727161	243.6055953	167.3679891	6/7/1988	82.45	0.49
134.1911426	194.2207834	139.6285769	6/8/1988	73.44	0.73
275.9728011	350.8725716	278.9921857	6/9/1988	59.17	0.86
285.6993543	350.1737622	287.7451674	6/10/1988	58.5	0.65
294.5877015	355.3332818	297.4104706	6/11/1988	62.67	0.54
218.4264168	277.2289442	219.2359468	6/12/1988	70.37	0.53
130.7294966	177.0138394	131.583098	6/13/1988	75.33	0.57
114.454389	175.3294827	116.910132	6/14/1988	79.16	0.58
133.3626872	195.0801428	133.4043299	6/15/1988	79.53	0.61
166.9990356	236.8478267	169.6217868	6/16/1988	78.83	0.65
146.1507831	200.6166024	149.6817218	6/17/1988	73.23	0.8
112.9840211	162.9532823	114.8484595	6/18/1988	73.47	0.87
134.3591313	198.2768033	136.8363472	6/19/1988	74.62	0.86
155.0311314	226.8196607	157.4728785	6/20/1988	78.66	0.76
140.5354884	215.1264588	145.333992	6/21/1988	82.93	0.67
111.8118682	181.4781777	113.404145	6/22/1988	85.08	0.68
159.5158322	237.3983081	164.7803149	6/23/1988	83.28	0.72
286.4543937	364.6357693	289.9405536	6/24/1988	72.84	0.71
261.8792231	327.7905925	266.8615357	6/25/1988	71.07	0.74
258.1844226	336.9278107	261.392922	6/26/1988	76.15	0.76
398.952034	480.4571549	400.7714123	6/27/1988	67.01	0.61
324.0498992	397.4253738	319.2299993	6/28/1988	72.83	0.54
276.3093339	348.9497768	278.1998593	6/29/1988	75.17	0.57
362.0185287	437.3824268	364.1743495	6/30/1988	69.91	0.46
404.8408657	482.6512371	405.1057376	7/1/1988	66.74	0.44
271.4094806	333.8324291	272.0420969	7/2/1988	69.05	0.53
241.060435	304.8278743	241.2728916	7/3/1988	74.69	0.57
205.9700308	269.80322	208.1279281	7/4/1988	75.71	0.64

201.9258237	258.7279382	203.1150728	7/5/1988	73.74	0.61
190.7366071	249.9088286	189.3973054	7/6/1988	77.87	0.59
186.8138411	254.7417494	186.1579766	7/7/1988	82.86	0.55
196.2449839	261.8282203	197.6378196	7/8/1988	80.53	0.62
199.323559	273.1483444	200.9942139	7/9/1988	78.86	0.76
134.6931857	195.9827999	134.5393919	7/10/1988	82.55	0.72
172.2162556	248.728361	172.3162992	7/11/1988	84.5	0.65
173.3727311	247.3615642	174.9125284	7/12/1988	77.88	0.86
171.5802293	232.9994291	172.8988578	7/13/1988	79.72	0.72
162.3473446	224.376024	162.4243529	7/14/1988	82.37	0.71
128.0546792	190.4243372	130.0771427	7/15/1988	85.97	0.66
125.9327051	193.8149721	127.828106	7/16/1988	87.09	0.7
179.4338015	262.1496079	182.4726402	7/17/1988	88.14	0.66
197.2203779	256.1982539	200.8998941	7/18/1988	83.41	0.74
256.4786528	320.3991762	259.0995518	7/19/1988	80.56	0.8
283.9761797	368.9055625	286.4784892	7/20/1988	79.49	0.82
302.9903066	391.3943361	305.8172738	7/21/1988	81.25	0.76
187.3622208	244.6608519	189.5371313	7/22/1988	73.71	0.95
175.5949742	232.6038158	177.5393326	7/23/1988	74.06	0.95
194.6064062	257.8644071	196.5895985	7/24/1988	77.42	0.81
189.7293798	248.5639419	189.4114691	7/25/1988	79.33	0.73
223.4509935	292.2641837	225.4502747	7/26/1988	78.18	0.81
211.8722685	276.7890661	214.027466	7/27/1988	76.89	0.83
188.6877974	242.8323823	189.3496029	7/28/1988	76.16	0.85
178.3980786	237.6425116	177.0398007	7/29/1988	81.84	0.74
182.7242546	237.0968152	182.0408742	7/30/1988	83.1	0.71
197.2948992	242.1910929	196.6868354	7/31/1988	80.17	0.77
164.6235162	205.2165227	162.6659444	8/1/1988	81.29	0.77
161.0830859	199.3469775	161.829431	8/2/1988	81.2	0.79
226.4477998	277.3944334	227.9971031	8/3/1988	80.18	0.8
215.4674898	261.8554909	215.1642616	8/4/1988	80.47	0.78
238.2856534	285.8906136	240.0488544	8/5/1988	79.63	0.77
197.6274406	241.1352081	199.5289895	8/6/1988	80.24	0.76
185.7525436	227.6914914	181.0465584	8/7/1988	80.04	0.8
203.443647	247.1721194	186.1752329	8/8/1988	81.54	0.73
206.7474911	254.6804512	188.4976917	8/9/1988	80.01	0.82
213.0931841	265.3159539	188.0572542	8/10/1988	80.32	0.84
281.039608	341.394621	254.9184602	8/11/1988	80.28	0.81
282.1422944	340.7577974	254.4531307	8/12/1988	82.26	0.73
255.4400475	308.6191754	233.914332	8/13/1988	82.74	0.73
257.3009045	311.7707785	246.1220408	8/14/1988	82.65	0.73
282.0561918	354.9219749	270.1265003	8/15/1988	83.79	0.73
262.2446352	305.4617514	251.3420776	8/16/1988	81.99	0.63
260.1197353	305.8092556	251.483513	8/17/1988	85.84	0.6
220.6397875	264.4462166	215.2191681	8/18/1988	84.35	0.65
191.7097629	229.514416	184.7252394	8/19/1988	78.37	0.84
154.1367488	187.0103669	149.4533193	8/20/1988	73.79	0.95
266.6946125	309.8220132	260.9689267	8/21/1988	74.79	0.76
283.5048028	324.2946658	277.3771208	8/22/1988	70.47	0.7
264.9836703	318.9577385	258.6902245	8/23/1988	72.51	0.75
236.1704774	310.2063782	233.6916264	8/24/1988	78.19	0.74
227.2407952	293.0410986	223.002103	8/25/1988	78.47	0.6

209.4287176	274.7896932	205.3504921	8/26/1988	78.83	0.67
215.8240686	291.0060625	212.6339877	8/27/1988	78.41	0.78
203.3069973	276.5670613	200.0287405	8/28/1988	79.5	0.79
247.9728535	332.3716636	246.0905634	8/29/1988	77.24	0.87
263.3787958	333.8226907	261.5021595	8/30/1988	70.6	0.82
242.6216857	304.6696859	242.1556307	8/31/1988	70.09	0.71
243.3166952	307.6399557	244.2762995	9/1/1988	67.91	0.7
232.7916324	299.2399508	231.6436242	9/2/1988	68.38	0.76
216.9531659	286.4929711	216.9373574	9/3/1988	72.08	0.75
260.889126	366.2157389	252.4250192	9/4/1988	75.18	0.87
310.6715228	402.4565985	310.4834816	9/5/1988	71.92	0.7
336.5162433	412.0997282	336.0201867	9/6/1988	61.61	0.69
305.5728711	378.7700323	307.0455528	9/7/1988	60.04	0.67
275.8671538	350.0465909	278.8265376	9/8/1988	63	0.76
131.6680885	183.611076	129.4728335	9/9/1988	68.51	0.9
126.4041607	177.9245136	124.3104509	9/10/1988	72.75	0.81
141.8928389	196.2124534	140.5633917	9/11/1988	70.46	0.75
161.8218711	222.6414964	160.9447601	9/12/1988	69.54	0.82
182.7464839	260.3665142	179.4854094	9/13/1988	77.03	0.73
192.3122459	254.5844395	189.9878375	9/14/1988	70.09	0.73
251.1905334	315.7368351	251.0731569	9/15/1988	64.99	0.68
227.6306145	288.3288032	227.5591127	9/16/1988	61.59	0.7
150.4269231	201.4901286	150.2662767	9/17/1988	61.88	0.91
126.5175307	180.8255853	125.0188842	9/18/1988	70.19	0.87
111.0845425	168.5060313	111.3317213	9/19/1988	72.42	0.85
149.3210897	231.862669	148.5757017	9/20/1988	77.01	0.8
177.5435828	246.7365177	178.7589076	9/21/1988	74.18	0.66
197.8458184	257.2451073	197.4915544	9/22/1988	66.37	0.72
187.4316248	263.3062233	188.5375563	9/23/1988	75.7	0.71
230.6844621	306.2992354	229.6082466	9/24/1988	69.02	0.75
238.9858191	305.6656282	239.1716748	9/25/1988	58.3	0.96
209.1535101	270.1010755	209.9316455	9/26/1988	62.07	0.8
174.7217596	227.986369	173.120719	9/27/1988	63.59	0.77
120.1999839	162.1418287	118.7083716	9/28/1988	64.63	0.81
218.6314431	290.9259776	218.1342552	9/29/1988	63.09	0.86
131.3292338	181.2323745	130.7295863	9/30/1988	65.43	0.81
147.9636402	200.914298	147.5834833	10/1/1988	67.33	0.79
140.7207973	210.4375887	144.4022972	10/2/1988	71.25	0.83
162.094623	226.1127341	161.4055985	10/3/1988	63.37	0.97
234.363256	301.1667856	235.8321139	10/4/1988	58.3	0.87
273.9069505	339.0438669	275.4531566	10/5/1988	55.45	0.65
242.654256	298.1817329	243.9609389	10/6/1988	48.45	0.7
292.393025	357.9626774	293.5443013	10/7/1988	47.46	0.72
291.8847108	358.1599654	292.1459564	10/8/1988	46.98	0.66
193.2012946	239.5007791	194.1903345	10/9/1988	47.96	0.72
244.3264415	309.4774924	247.930792	10/10/1988	55.1	0.65
210.676755	271.5937357	211.7461977	10/11/1988	58.23	0.6
268.3940083	327.3806904	268.7395632	10/12/1988	48.34	0.53
270.4880917	328.8886999	273.7288452	10/13/1988	42.99	0.56
186.2074245	230.019459	186.9298976	10/14/1988	45.4	0.61
148.5672221	192.2095693	149.4352071	10/15/1988	54.37	0.61
151.2692821	201.7052927	153.3019462	10/16/1988	58.75	0.61

108.3330426	154.3827595	111.0743812	10/17/1988	60.79	0.7
112.5984603	172.3222416	114.5828188	10/18/1988	65.79	0.72
161.9378408	215.4083435	164.3312728	10/19/1988	54.6	0.67
140.4969176	180.1684284	140.087295	10/20/1988	48.29	0.68
146.0307485	198.1858151	147.2912074	10/21/1988	49.13	0.93
230.8302444	300.7068523	230.4588858	10/22/1988	50.79	0.67
195.2231998	251.1046999	193.1115488	10/23/1988	50.95	0.57
195.4385681	254.6129724	194.9823773	10/24/1988	56.83	0.54
198.455906	255.8091576	200.3767024	10/25/1988	51.1	0.49
173.6425775	224.4628147	173.8924672	10/26/1988	49.41	0.57
120.6936642	157.9844133	119.9129591	10/27/1988	46.84	0.62
102.8806842	154.4407412	103.871011	10/28/1988	58.59	0.77
112.0305857	148.1036484	111.9664782	10/29/1988	47.26	0.55
152.8199227	198.1695055	153.9829081	10/30/1988	47.04	0.54
143.2722428	191.0222003	145.5391112	10/31/1988	44.66	0.66
121.2236246	173.7179628	121.4547516	11/1/1988	47.14	0.97
182.4173373	242.5772671	183.8916292	11/2/1988	48.24	0.62
117.2004687	158.8824271	116.975229	11/3/1988	49.02	0.58
82.92923205	133.8211595	85.87120717	11/4/1988	58.51	0.77
58.51245509	123.6171137	58.39265759	11/5/1988	61.81	0.87
185.9614659	256.8545716	185.4975061	11/6/1988	55.33	0.61
155.776418	207.9272559	157.6577742	11/7/1988	50.59	0.58
103.7027288	144.8002678	105.2944938	11/8/1988	53.1	0.59
92.81359587	131.3899756	92.84426101	11/9/1988	49.26	0.68
87.17893309	143.0821847	88.94793432	11/10/1988	56.8	0.83
147.6112965	200.2025946	148.813225	11/11/1988	51.84	0.55
136.4037076	181.4382446	139.8623342	11/12/1988	43.23	0.64
81.06425574	122.5355688	84.18139996	11/13/1988	48.33	0.92
79.40872461	115.6660971	81.05511453	11/14/1988	49.63	0.71
67.97718389	102.4229806	67.9697168	11/15/1988	52.34	0.7
36.96864816	86.01350411	39.79044369	11/16/1988	61.66	0.82
104.7322786	164.6889224	105.2400056	11/17/1988	58.43	0.66
111.1395844	149.810105	113.434633	11/18/1988	42.39	0.57
102.3955562	145.3918603	104.5601482	11/19/1988	42.84	0.84
62.01556643	123.0780886	65.37081169	11/20/1988	58.47	0.84
166.8482765	229.4258503	167.7938411	11/21/1988	51.12	0.51
126.4232341	170.7696442	128.4046886	11/22/1988	41.47	0.65
110.0043856	157.3538037	113.2027272	11/23/1988	44.35	0.8
155.3265419	211.2543104	157.6590356	11/24/1988	40.79	0.66
93.9300611	131.2712692	94.98087229	11/25/1988	45.15	0.61
86.77551153	137.1678086	89.3101679	11/26/1988	53.23	0.74
13.47596194	57.49336523	17.47027938	11/27/1988	64.14	0.86
126.1210482	189.4382524	126.7837133	11/28/1988	51.88	0.68
135.0328976	181.2100135	137.3256774	11/29/1988	39.97	0.57
144.6785159	198.161682	145.9173169	11/30/1988	42.42	0.65
147.0124562	199.2936906	150.1282791	12/1/1988	43.26	0.51
157.3807121	207.4445489	158.1848141	12/2/1988	38.54	0.49
147.9517643	200.4801492	148.2542863	12/3/1988	49.15	0.39
148.8747391	198.4263203	150.7545153	12/4/1988	41.16	0.42
113.7140641	151.199974	114.8533516	12/5/1988	34.65	0.46
125.7131692	169.7396366	125.875771	12/6/1988	44.28	0.38
97.98108991	140.2001876	94.08496987	12/7/1988	49.17	0.46

87.74805967	127.7083636	81.53971826	12/8/1988	46.72	0.56
83.54689751	119.7748976	80.40686076	12/9/1988	34.74	0.89
88.80974028	124.6200163	88.61080991	12/10/1988	31.58	0.77
149.3690122	198.7792637	148.4065025	12/11/1988	28.4	0.57
121.7312399	160.8535057	120.166582	12/12/1988	19.17	0.56
89.65595213	122.2282703	89.2063283	12/13/1988	21.58	0.74
90.15080455	129.5619625	90.33316257	12/14/1988	36.3	0.63
85.63533346	130.4000561	85.63531403	12/15/1988	47.39	0.47
115.0395184	154.9295604	114.6799936	12/16/1988	27.61	0.41
85.14337865	118.3908106	86.02168456	12/17/1988	27.76	0.58
106.9097743	142.6581598	103.7127299	12/18/1988	27.68	0.45
103.7577107	147.3902287	103.3174884	12/19/1988	38.04	0.49
117.4280874	175.022637	114.2152734	12/20/1988	47.43	0.46
28.54322204	73.61029287	31.2306365	12/21/1988	55.13	0.72
96.43690794	144.2810987	97.62719117	12/22/1988	39.83	0.7
48.75212322	84.60730049	50.35169934	12/23/1988	41.63	0.88
7.614456287	32.20767105	11.93359389	12/24/1988	58	0.86
64.57490977	113.3491908	62.37488223	12/25/1988	50.61	0.58
102.4935844	144.772595	102.067749	12/26/1988	38.03	0.52
86.70230921	129.9667716	86.87488298	12/27/1988	43.58	0.53
67.00380863	129.8576246	67.6072796	12/28/1988	56.71	0.61
111.8089133	155.0545154	110.5212951	12/29/1988	33.1	0.57
91.94369918	133.0352517	92.29421686	12/30/1988	36.24	0.69
56.26634822	93.69451211	57.53223364	12/31/1988	44.57	0.64
70.44011194	115.5982709	68.48325318	1/1/1989	39.22	0.91
53.60969286	94.27419981	51.49739874	1/2/1989	42.97	0.85
63.90980411	103.6160805	61.88719153	1/3/1989	39.88	0.83
162.9370881	224.6288858	160.7401889	1/4/1989	33.96	0.48
94.57703603	132.1968178	92.79665179	1/5/1989	30.78	0.56
50.47685369	86.96128131	49.49248416	1/6/1989	39.3	0.9
47.45169334	83.58790031	46.51725561	1/7/1989	38.14	0.99
11.02501772	47.91599507	14.00813111	1/8/1989	52.51	0.9
52.22753148	90.33413863	48.96936244	1/9/1989	43.56	0.76
53.93325297	89.74653144	52.04522629	1/10/1989	37.24	0.93
49.56884885	87.28629361	50.03014617	1/11/1989	41.59	0.83
45.53320336	90.28621851	43.83973765	1/12/1989	44.31	0.9
79.87430432	130.105912	77.42469538	1/13/1989	42.17	0.72
62.13031785	94.12084103	62.03317596	1/14/1989	32.85	0.75
40.64554536	80.01121693	39.8287845	1/15/1989	43.06	0.92
55.695015	97.99160606	55.36323984	1/16/1989	42.18	0.78
96.92972069	142.4147083	93.04648086	1/17/1989	37.24	0.57
86.80009175	133.0136037	83.66623391	1/18/1989	42.91	0.53
76.54527107	127.2271476	72.16946027	1/19/1989	48.38	0.46
114.7892784	173.6357441	109.8211697	1/20/1989	45.03	0.48
148.0261046	203.4266153	143.6101217	1/21/1989	30.56	0.46
70.89933995	104.1269561	68.96487661	1/22/1989	33.09	0.53
77.59191432	119.5386726	74.51950658	1/23/1989	41.38	0.55
52.2054283	88.9034667	51.29381	1/24/1989	44.86	0.48
69.15670376	112.3945863	64.9592702	1/25/1989	44.5	0.56
45.37977257	98.15751625	40.76483842	1/26/1989	49.71	0.7
74.86005192	133.0853113	72.32082982	1/27/1989	52.06	0.42
79.60976424	121.6534883	72.73870025	1/28/1989	41.5	0.6

51.46152132	97.17823186	46.97909176	1/29/1989	50.76	0.51
12.94389344	49.52592703	12.17158342	1/30/1989	56.53	0.77
76.99737722	128.168992	65.81555038	1/31/1989	48.85	0.59
60.12395203	110.7564572	54.07658696	2/1/1989	56.42	0.53
9.443770322	37.82140369	9.068615914	2/2/1989	63.03	0.66
29.01228724	81.2002059	26.2160121	2/3/1989	54.45	0.79
144.3950953	202.6087297	136.9152438	2/4/1989	32.08	0.64
89.19270582	131.2312096	83.50003233	2/5/1989	30.26	0.88
61.91546688	103.131514	57.70207666	2/6/1989	36.7	0.97
73.69187588	116.7550253	67.4585179	2/7/1989	34.08	0.97
98.56593507	143.212594	90.76973586	2/8/1989	36.43	0.56
180.2924923	243.7740915	168.5770422	2/9/1989	27.17	0.35
147.2299176	200.4827474	137.4553622	2/10/1989	27.34	0.43
118.817627	167.2732029	108.5877921	2/11/1989	35.05	0.49
101.045373	145.494157	91.786754	2/12/1989	39.67	0.45
62.48670314	97.12577305	56.53457416	2/13/1989	34.38	0.74
10.15598835	43.11237871	8.018287756	2/14/1989	53.59	0.83
0.525954198	14.62131091	0.404580153	2/15/1989	67.2	0.74
54.30805873	103.8989619	42.09345649	2/16/1989	45.44	0.87
126.6688697	179.9926906	112.9260126	2/17/1989	33.63	0.58
112.3042712	162.3975217	96.85748855	2/18/1989	27.97	0.89
73.43025191	110.47787	62.80177037	2/19/1989	32.42	0.83
67.40693475	105.3930222	58.52459511	2/20/1989	33.23	0.87
17.85504269	62.40274928	6.42195076	2/21/1989	49.71	0.97
33.08790866	84.17104527	13.86248468	2/22/1989	46.95	0.94
136.8817699	210.435786	106.9160718	2/23/1989	37.01	0.76
204.5611314	283.0558161	170.1906025	2/24/1989	26.44	0.7
127.4074468	174.2007461	104.8229719	2/25/1989	26.86	0.48
100.4281415	145.4490083	67.643574	2/26/1989	38.42	0.6
64.27610699	104.4037588	42.76142597	2/27/1989	35.88	0.83
63.7275353	102.0326229	34.76528331	2/28/1989	34.57	0.96
68.85704461	110.3476277	41.38036223	3/1/1989	39.75	0.69
89.71056587	131.7024509	54.61215046	3/2/1989	39.55	0.5
68.17185913	118.0230866	27.44958886	3/3/1989	43.78	0.75
48.19534062	94.34138148	11.385363	3/4/1989	41.63	0.97
20.52379499	54.96305186	0	3/5/1989	46.03	0.99
62.8085612	112.5219917	19.93765299	3/6/1989	40.47	0.96
156.6826513	222.2408473	99.48245438	3/7/1989	26.8	0.85
162.9196092	226.5053919	104.1728002	3/8/1989	25.89	0.81
129.2457798	184.1072235	78.84259448	3/9/1989	32.89	0.7
110.5142197	157.5761711	68.56633298	3/10/1989	37.44	0.53
57.1878039	91.00238172	24.04551908	3/11/1989	39.2	0.71
53.81446926	102.8993893	13.82080753	3/12/1989	47.84	0.67
55.62218422	93.57432263	23.4739486	3/13/1989	37.53	0.84
30.85505084	63.93913798	0.14771384	3/14/1989	42.71	0.98
1.507061069	17.87599567	0	3/15/1989	59.75	0.88
38.65896758	79.3303087	7.37753744	3/16/1989	52.57	0.66
28.81975712	68.36608591	1.252365712	3/17/1989	56	0.72
3.767474167	25.16447	0	3/18/1989	64.18	0.81
145.8403804	212.1463416	81.00526611	3/19/1989	41.16	0.55
76.07450748	114.5236133	34.58219781	3/20/1989	38.78	0.84
75.54224072	133.1746437	23.2761708	3/21/1989	45.83	0.84

136.9823555	196.8811526	83.29608459	3/22/1989	40.91	0.5
108.1528077	164.9417472	49.44643826	3/23/1989	37.95	0.9
75.92266748	139.1129828	14.39571692	3/24/1989	43.17	0.97
32.29602476	65.4986701	1.950205846	3/25/1989	51.46	0.77
19.67103121	57.72859274	0	3/26/1989	58.41	0.75
11.72724958	49.91740422	0	3/27/1989	60.58	0.78
3.641316267	28.21184266	0	3/28/1989	72.73	0.69
6.346158793	32.13846855	0	3/29/1989	74.28	0.65
13.17159285	45.99076254	0	3/30/1989	66.91	0.84
64.35906686	141.0916045	4.369506854	3/31/1989	63.04	0.71
197.3283213	271.0955138	116.0194364	4/1/1989	45.94	0.46
137.4405657	195.840766	65.59916182	4/2/1989	47.59	0.58
93.92740591	172.0099688	16.85863391	4/3/1989	59.35	0.72
41.92049212	115.5717528	1.687970971	4/4/1989	70.31	0.65
45.69631532	113.2429183	0.261043852	4/5/1989	61.42	0.85
101.3850489	154.5440564	36.45947747	4/6/1989	49.44	0.82
154.0896765	217.2648024	77.84329233	4/7/1989	39.14	0.94
156.0379813	220.4527681	74.30622744	4/8/1989	43.05	0.85
176.0946719	241.7954136	87.70013724	4/9/1989	50.73	0.57
171.7401235	230.6903803	95.24529033	4/10/1989	47.35	0.48
167.6960029	221.198979	96.35289721	4/11/1989	43.4	0.47
130.9258269	178.6699608	68.72602727	4/12/1989	45.35	0.58
105.6537384	154.472816	41.73274441	4/13/1989	51.24	0.66
111.7025307	164.6062045	40.28448523	4/14/1989	53.35	0.63
69.22483546	122.8910276	2.552533836	4/15/1989	52.74	1
104.9292638	161.9814381	31.433107	4/16/1989	55.76	0.68
80.26786414	141.9603101	17.86198144	4/17/1989	62.67	0.64
56.61306283	102.3051765	2.224919512	4/18/1989	70.2	0.59
93.09081191	149.9152841	23.8839798	4/19/1989	57.51	0.78
156.6033112	213.451818	85.12923631	4/20/1989	54.33	0.51
96.73390665	133.5669286	42.59569399	4/21/1989	56.12	0.54
159.4983849	223.7595598	77.40975025	4/22/1989	59.38	0.47
148.5553184	202.4738892	85.88037217	4/23/1989	54.05	0.5
111.1660585	157.3163139	57.58494091	4/24/1989	56.42	0.6
62.81318926	109.088043	14.58838745	4/25/1989	63.46	0.71
46.39275803	98.49928083	2.009269516	4/26/1989	69.27	0.75
42.00074345	93.75564595	2.175904581	4/27/1989	68.47	0.77
131.1833522	196.9600973	47.7170903	4/28/1989	63.45	0.65
70.36182572	118.2279318	13.98778667	4/29/1989	62.01	0.87
39.41780321	85.26280916	0.448195456	4/30/1989	67.22	0.89
41.51454038	103.0935606	0.07737114	5/1/1989	68.29	0.93
150.5140074	225.6856538	55.18373978	5/2/1989	65.82	0.67
229.5186251	298.8481233	137.3924814	5/3/1989	56.64	0.51
171.2473837	230.4688275	89.96902428	5/4/1989	58.68	0.6
138.2646007	218.4223189	36.99771683	5/5/1989	61.23	0.93
159.6854997	229.1285239	70.65148728	5/6/1989	60.83	0.77
267.8386378	338.5228412	168.7063753	5/7/1989	49.47	0.58
213.8914394	277.0086882	130.596807	5/8/1989	53.57	0.58
149.6337466	206.5749927	73.27947231	5/9/1989	55.7	0.79
135.0381914	194.840437	56.87041923	5/10/1989	58.04	0.85
166.7693201	225.4146928	91.94019044	5/11/1989	54.57	0.75
147.623472	199.1311099	83.04762371	5/12/1989	55.72	0.68

128.5068582	176.0261175	74.87154937	5/13/1989	58.65	0.67
92.23124738	135.1990354	47.62564806	5/14/1989	61.02	0.76
74.8048121	118.6945342	35.09052605	5/15/1989	59.91	0.93
161.1830724	230.6733773	92.82338469	5/16/1989	58.25	0.85
129.7710355	194.3769498	68.72325212	5/17/1989	60.8	0.86
106.7681367	164.9887679	56.84255775	5/18/1989	68.76	0.67
92.45546297	140.6108797	48.81167783	5/19/1989	68.34	0.66
97.78891779	153.5914797	48.15862441	5/20/1989	69.64	0.68
77.41546829	130.9119628	36.17563473	5/21/1989	70.59	0.72
119.7942359	174.7916389	64.93025795	5/22/1989	70.18	0.56
123.8303632	194.1195533	60.74589172	5/23/1989	71.41	0.71
152.2640961	215.8172135	86.01361693	5/24/1989	67.16	0.68
130.8488353	202.3321963	68.17382136	5/25/1989	73.44	0.65
92.02082374	158.1433226	39.10770102	5/26/1989	79.38	0.66
118.7613009	190.5140636	68.71924723	5/27/1989	75.68	0.66
252.252584	318.8717444	187.7628999	5/28/1989	63.28	0.52
194.9045624	254.1988927	135.7512036	5/29/1989	64.66	0.64
170.1511366	249.2308241	82.21971595	5/30/1989	73.43	0.72
108.7381159	179.1381162	54.68033908	5/31/1989	78.59	0.66
96.95807083	151.9833452	43.60952326	6/1/1989	83.12	0.61
103.4705269	181.3723269	43.77532811	6/2/1989	80.19	0.7
102.2254627	162.4119394	42.86865079	6/3/1989	76.66	0.78
148.1018708	220.7250633	75.3142941	6/4/1989	79.32	0.72
129.2662331	193.8869328	71.97502903	6/5/1989	75.59	0.83
173.6567195	245.5017993	113.5342607	6/6/1989	73.26	0.85
145.8299927	204.997221	95.15552486	6/7/1989	70.26	0.91
123.396617	176.4813211	80.34462082	6/8/1989	71.46	0.89
155.7707593	232.4204502	98.58218279	6/9/1989	73.75	0.9
219.2546059	299.5040769	163.6678935	6/10/1989	75.39	0.68
273.3802937	346.577025	218.8037071	6/11/1989	66.62	0.7
197.1175717	262.9049722	149.7243348	6/12/1989	69.12	0.82
176.3224487	248.4417977	124.4437721	6/13/1989	73.79	0.85
169.1587078	239.2067779	119.9334481	6/14/1989	78.52	0.73
173.6385657	245.3909737	122.319154	6/15/1989	76.79	0.81
213.7134373	294.2735141	158.4347948	6/16/1989	73.1	0.87
205.9973841	274.1788101	158.8679208	6/17/1989	71.28	0.87
168.5789204	220.8456563	132.8647035	6/18/1989	73.93	0.73
172.1545401	228.472862	136.3840282	6/19/1989	74.86	0.75
149.43337	211.8061092	112.2827024	6/20/1989	72.83	0.91
141.9018685	200.9438461	107.10673	6/21/1989	72.13	0.94
121.9907101	175.9097834	87.17116528	6/22/1989	76.83	0.84
104.9139443	156.0797389	78.99547114	6/23/1989	75.69	0.88
134.4837819	191.8801817	102.1295617	6/24/1989	74.67	0.88
104.9135218	150.7394813	80.71334169	6/25/1989	76.74	0.84
108.2289359	164.5816296	71.22801746	6/26/1989	80.71	0.84
121.6628021	184.1166303	79.12428808	6/27/1989	82.94	0.77
160.0222803	224.5510062	113.6668699	6/28/1989	80.07	0.8
314.7010292	394.5632292	259.1978903	6/29/1989	74.04	0.67
276.3856553	342.9860671	235.9422009	6/30/1989	69.04	0.71
234.289266	293.4962568	196.6080062	7/1/1989	70.71	0.7
230.1947577	293.794428	190.5412415	7/2/1989	72.58	0.69
192.2293719	257.8471469	153.8519987	7/3/1989	75.69	0.75

171.8809667	241.0447533	125.5729486	7/4/1989	77.04	0.84
133.1276144	195.0537957	92.56125547	7/5/1989	77.11	0.9
148.5128813	215.6108968	106.1784246	7/6/1989	77.07	0.91
140.4874682	207.4187598	101.0055607	7/7/1989	79.62	0.86
183.8698696	252.0564354	138.4124352	7/8/1989	79.12	0.78
210.0169653	276.5683799	164.9211772	7/9/1989	77.05	0.75
209.4331715	283.9823357	159.0228475	7/10/1989	82.75	0.72
159.7977538	229.7527141	110.154551	7/11/1989	86.75	0.7
182.4259009	235.6860912	143.2605825	7/12/1989	77.94	0.84
190.3090399	256.0016677	148.3799915	7/13/1989	77.16	0.85
251.4041797	321.5832416	209.9367013	7/14/1989	74.03	0.79
221.194949	283.6776558	181.2335857	7/15/1989	74.79	0.77
265.8430373	344.358332	218.6955899	7/16/1989	70.11	0.97
222.7070406	289.226866	187.793243	7/17/1989	70.04	0.88
208.8267689	274.8610426	176.4780878	7/18/1989	72.67	0.84
189.3811956	262.0599458	157.5012656	7/19/1989	75.33	0.86
197.7334478	277.617036	158.1147005	7/20/1989	77.98	0.84
200.0254993	277.6651056	155.4525241	7/21/1989	79.92	0.79
165.9219238	236.0541732	142.3137066	7/22/1989	81.62	0.79
149.7017868	211.0408499	126.3012348	7/23/1989	80.94	0.79
153.2545246	210.2227489	130.3944374	7/24/1989	80.58	0.79
184.0003804	232.2561425	166.3761426	7/25/1989	79.76	0.72
189.1983526	241.8534096	171.3037928	7/26/1989	77.59	0.84
197.8999887	262.3328886	179.2742685	7/27/1989	79.87	0.79
199.9338802	267.1312944	183.613213	7/28/1989	81.36	0.74
322.9408807	398.9776884	306.4040351	7/29/1989	73.21	0.7
265.4158295	337.0385963	252.4494938	7/30/1989	73.55	0.77
221.5390687	295.7487273	210.9375315	7/31/1989	74.4	0.9
189.6878798	255.18645	183.1558384	8/1/1989	74.63	0.85
177.9339371	236.8628794	169.3735932	8/2/1989	71.8	0.9
198.5804203	268.7047912	191.5477777	8/3/1989	77.41	0.78
162.6107333	238.6566293	155.9969015	8/4/1989	83.05	0.75
160.4392283	226.7205971	153.5102936	8/5/1989	84.71	0.67
141.9503195	199.7470164	138.0823273	8/6/1989	83.46	0.72
307.8810534	393.2960867	302.1377207	8/7/1989	76.93	0.73
384.3331598	459.3367569	379.3716333	8/8/1989	67.57	0.61
330.0087541	397.1189499	329.8706221	8/9/1989	68.38	0.6
355.8861659	445.1405845	353.5306967	8/10/1989	62.17	0.92
276.9282759	363.9307354	265.4086643	8/11/1989	65.3	0.94
190.0147216	258.859873	186.9792233	8/12/1989	68.11	0.91
110.7574887	164.1050538	106.1444929	8/13/1989	73.3	0.84
114.285369	173.9317078	113.392797	8/14/1989	73.35	0.88
84.61103736	131.8900276	82.27413904	8/15/1989	75.05	0.86
124.8150416	189.3059822	118.1539678	8/16/1989	76.55	0.84
152.3759176	223.982068	149.0603401	8/17/1989	76.08	0.82
217.82293	298.4006777	213.9257463	8/18/1989	70.93	0.91
164.4406105	231.9157182	163.1829583	8/19/1989	73.07	0.84
197.2277596	282.2890247	194.2407195	8/20/1989	76.95	0.8
172.6263108	259.3415693	171.0391292	8/21/1989	77.07	0.84
128.6577009	196.1053851	125.5462449	8/22/1989	79.61	0.77
139.1362209	215.3116033	136.2146483	8/23/1989	81.88	0.74
180.3310086	253.5192193	181.5308723	8/24/1989	77.01	0.75

158.6047684	217.6799889	158.2011693	8/25/1989	72.54	0.84
174.157935	232.6530759	173.6323513	8/26/1989	71.86	0.81
173.2145551	237.6653535	173.8830093	8/27/1989	73.71	0.79
141.2650048	205.8120567	142.7317105	8/28/1989	76.38	0.82
155.0368499	234.0282297	154.0109025	8/29/1989	78.88	0.83
175.049736	251.8588036	172.9645987	8/30/1989	79.92	0.73
216.3051191	279.7141263	216.0332002	8/31/1989	72.66	0.66
250.4434901	331.3358968	248.5670313	9/1/1989	75.62	0.73
209.5928489	287.5979725	210.5693734	9/2/1989	78.96	0.69
305.6819301	378.6973134	306.6359798	9/3/1989	69.31	0.67
315.5455237	395.8519321	314.9736102	9/4/1989	66.8	0.74
233.4838028	305.731824	232.0323684	9/5/1989	68.25	0.82
180.486704	243.1966929	180.316954	9/6/1989	71.17	0.8
158.7456866	213.3866629	158.4349295	9/7/1989	68.84	0.79
140.6086945	191.4038624	137.9627609	9/8/1989	71.91	0.74
121.9751207	180.5064028	120.2630794	9/9/1989	76.15	0.78
98.43670051	158.3369514	95.97881436	9/10/1989	79.95	0.78
107.9071247	165.4170109	105.5342024	9/11/1989	80.91	0.74
155.2858992	223.9337644	155.2139903	9/12/1989	74.23	0.91
141.4648744	204.6696083	139.0004574	9/13/1989	76.65	0.85
133.2540307	192.5691804	132.9698115	9/14/1989	75.21	0.9
138.8939203	200.5161875	138.608559	9/15/1989	76.84	0.83
157.9704428	226.3964624	156.1290641	9/16/1989	74.02	0.9
196.0921821	262.2225509	196.2328276	9/17/1989	71.8	0.79
311.8230288	397.7613841	310.8441936	9/18/1989	67	0.81
311.3229695	403.7228694	304.1490744	9/19/1989	64.07	0.95
121.7032989	176.2061938	119.6718849	9/20/1989	71.16	0.96
105.2737908	168.9604595	104.2203425	9/21/1989	77.65	0.87
198.4642556	302.3616041	194.6486851	9/22/1989	79.59	0.76
370.0900622	465.9529833	362.6054597	9/23/1989	66.83	0.74
362.2762921	424.5293716	357.557003	9/24/1989	53.55	0.64
269.381486	332.3540367	268.2645654	9/25/1989	57.55	0.85
224.3191817	292.156072	220.6757641	9/26/1989	65.16	0.82
356.2544817	425.0765401	350.8770561	9/27/1989	55.25	0.61
195.0732936	240.4481671	193.9736898	9/28/1989	55.79	0.73
178.1118858	233.2933716	177.1905649	9/29/1989	65.29	0.78
139.5343498	191.1184693	138.6359012	9/30/1989	64.88	0.82
130.833488	182.4905056	129.0504697	10/1/1989	64.14	0.94
61.59171365	105.9948751	63.30675009	10/2/1989	71.58	0.91
136.6621662	189.6400675	135.7611371	10/3/1989	69.4	0.74
259.0829979	317.8280085	257.7850017	10/4/1989	55.92	0.54
251.2058437	305.6057676	248.7207657	10/5/1989	54.76	0.56
193.9459809	259.10611	194.35671	10/6/1989	68.33	0.67
233.0598298	297.2999171	230.6685147	10/7/1989	62.33	0.6
213.6489637	263.7452437	213.5601357	10/8/1989	50.88	0.69
259.267162	318.4623829	260.0726185	10/9/1989	48.85	0.64
207.1944089	262.1760401	206.8320473	10/10/1989	52.71	0.7
148.2419653	193.4489237	147.5739308	10/11/1989	57.55	0.68
174.8091757	232.6134982	176.2315923	10/12/1989	61.7	0.71
83.01601175	125.9997569	83.71247996	10/13/1989	67.49	0.74
84.06488112	132.149567	82.59446912	10/14/1989	67.42	0.81
69.22317083	112.6410096	70.05938295	10/15/1989	69.07	0.79

113.845152	178.1880811	114.2549445	10/16/1989	70.54	0.74
85.70553355	151.3190615	86.6569044	10/17/1989	70.08	0.87
137.2455737	196.2742797	136.870754	10/18/1989	61.91	0.94
219.5567616	285.0887334	220.5028008	10/19/1989	51.97	0.94
259.2618112	327.5600963	260.4675629	10/20/1989	50.92	0.74
344.7815948	420.7686931	341.6394548	10/21/1989	49.17	0.55
189.0045865	239.7317656	189.5803782	10/22/1989	51.37	0.65
144.4696207	186.1823001	146.2958265	10/23/1989	51.67	0.69
141.157968	188.7838112	144.8076846	10/24/1989	51.87	0.79
149.0938957	199.0193842	150.2306485	10/25/1989	55.17	0.65
109.3289207	149.0326741	109.3506207	10/26/1989	56.63	0.73
114.3787293	155.84	115.2516855	10/27/1989	56.94	0.71
93.09299711	134.3508492	94.86189811	10/28/1989	58.6	0.75
100.8570021	147.0701727	102.7870935	10/29/1989	59.5	0.76
71.9472886	118.5791309	72.3780813	10/30/1989	62.28	0.91
60.71451138	112.6673694	62.28780453	10/31/1989	64.53	0.93
137.849921	191.0209137	140.0935571	11/1/1989	56.3	0.72
161.975865	216.319962	163.9848449	11/2/1989	50.23	0.8
188.7953854	249.8447521	191.1358248	11/3/1989	49.58	0.75
174.8735343	223.8485011	175.510765	11/4/1989	43.88	0.65
138.321588	186.0986988	140.744108	11/5/1989	50.15	0.75
129.7871597	191.9727807	131.5085615	11/6/1989	56.35	0.83
87.8660834	137.8200583	89.15932242	11/7/1989	56.19	0.92
72.18847585	125.2454756	74.06114845	11/8/1989	59.01	0.96
116.3642939	181.7938151	117.979656	11/9/1989	61.84	0.74
200.2692251	258.1183051	199.8879213	11/10/1989	47.88	0.56
178.7889857	233.8649672	180.443272	11/11/1989	49.7	0.6
139.5373682	199.1310785	141.1427048	11/12/1989	62.44	0.49
117.8271563	170.2735207	117.8040538	11/13/1989	58.71	0.68
50.69949619	105.5019107	50.71009011	11/14/1989	65.5	0.81
42.81134421	102.3162827	42.79911433	11/15/1989	66.04	0.85
241.4029987	329.5998698	241.531633	11/16/1989	57.22	0.61
219.1836125	274.8816288	220.0071206	11/17/1989	39.72	0.52
228.3039634	285.8490594	229.6635513	11/18/1989	43.92	0.49
179.8649685	229.1580309	181.2102488	11/19/1989	38	0.53
239.8252905	312.031619	238.5863858	11/20/1989	56.66	0.4
326.4635669	406.7640824	325.5229089	11/21/1989	44.9	0.33
156.203106	195.1885531	155.2174249	11/22/1989	33.1	0.64
178.2219209	226.53407	179.9835254	11/23/1989	30.21	0.84
153.0744576	198.2403673	152.2487338	11/24/1989	30.54	0.75
173.3536321	223.7114025	169.0809545	11/25/1989	39.88	0.64
93.08543998	141.9083137	92.19495904	11/26/1989	53.88	0.7
87.24289711	123.6000863	86.43574968	11/27/1989	47.62	0.7
60.04398643	114.9043359	61.72364466	11/28/1989	58.92	0.71
146.7661515	193.619529	144.8266946	11/29/1989	41.78	0.55
160.52958	204.4251608	159.1972427	11/30/1989	39.33	0.49
108.0691138	140.9548953	109.0629206	12/1/1989	39.54	0.55
133.2789474	177.7656003	135.1599111	12/2/1989	43.24	0.6
271.2909808	340.455696	271.7889781	12/3/1989	35.14	0.35
166.3139248	210.2674224	165.1296277	12/4/1989	30.64	0.42
99.67731712	132.7674637	99.51285793	12/5/1989	40.89	0.54
87.62804534	128.8566508	84.49467301	12/6/1989	49.96	0.54

117.8309675	164.386403	104.9147785	12/7/1989	44.75	0.54
166.5500762	219.9132498	147.43906	12/8/1989	29.1	0.8
182.4564154	236.7009993	164.3607117	12/9/1989	26.31	0.76
112.3471002	150.8974262	102.4918231	12/10/1989	30.63	0.71
77.72499215	112.059076	65.19146365	12/11/1989	34.74	0.88
89.30369193	128.6628154	76.10155436	12/12/1989	33.97	0.92
100.3139697	140.0200525	89.07815868	12/13/1989	31.23	0.9
88.14197078	121.4681855	78.76733657	12/14/1989	28.38	0.84
103.6948784	145.354158	93.50243381	12/15/1989	34.58	0.74
167.1691001	206.1534376	148.4953541	12/16/1989	24.17	0.44
96.04977527	119.4679634	82.7801808	12/17/1989	21.56	0.58
110.1012476	140.6175309	93.92808929	12/18/1989	24	0.55
87.5250961	119.3208591	73.29128355	12/19/1989	24.6	0.76
102.0216126	136.1608173	83.89365252	12/20/1989	25.83	0.66
135.7108993	181.4188002	116.8798095	12/21/1989	24.25	0.57
183.8856248	233.7314429	162.9165885	12/22/1989	13.72	0.42
181.1582793	233.4732679	170.5483189	12/23/1989	15.4	0.56
172.2629163	225.5226892	162.289515	12/24/1989	17.6	0.56
108.468406	140.9755972	98.75677472	12/25/1989	22.15	0.59
109.1619541	150.8536356	99.23491566	12/26/1989	33.77	0.51
98.30169976	130.8128716	89.12688515	12/27/1989	25.07	0.55
55.42205684	81.49804073	50.9045285	12/28/1989	34.32	0.64
38.22196024	63.92631177	37.17139159	12/29/1989	36.2	0.73
32.36493595	58.55506909	32.78005743	12/30/1989	42.41	0.68
4.690059491	23.16708127	8.405997323	12/31/1989	48.79	0.94
64.34581342	113.053521	55.93515109	1/1/1990	44.71	0.57
66.61015095	101.1829396	62.35928848	1/2/1990	35.47	0.61
46.69860062	76.52424108	41.5352922	1/3/1990	39.43	0.63
12.89077018	45.68118037	17.09942577	1/4/1990	49.54	0.8
13.25589255	41.83976022	12.85416947	1/5/1990	50.01	0.76
19.11972983	45.62579203	12.94534877	1/6/1990	43.04	0.91
40.3487278	73.77085258	34.04760999	1/7/1990	40.13	0.8
43.19193937	84.69220709	38.4360474	1/8/1990	39.1	0.92
41.43415164	82.35535528	37.16567444	1/9/1990	39.34	0.93
67.21836292	122.0698636	60.07250366	1/10/1990	46.3	0.61
71.66817697	122.8472042	65.64451919	1/11/1990	44.74	0.57
122.2224413	178.6057055	113.1719255	1/12/1990	42.74	0.36
119.5426641	169.4559668	114.2488848	1/13/1990	35.47	0.39
76.68774051	114.263363	73.32307854	1/14/1990	35.68	0.51
55.75630747	103.1953715	54.68425595	1/15/1990	48.71	0.49
21.62480847	54.29928114	22.17006914	1/16/1990	48.29	0.67
16.56242765	45.77732519	13.75781117	1/17/1990	55.08	0.66
4.474307434	21.66318015	6.089151989	1/18/1990	61.2	0.75
72.61436715	121.9449071	66.29004634	1/19/1990	46.87	0.49
45.51519037	89.41990466	41.99814661	1/20/1990	46.65	0.75
21.74690602	68.4673492	22.42784964	1/21/1990	57.48	0.68
68.70036197	116.8480873	67.65262624	1/22/1990	45.57	0.59
65.37984186	109.0190667	60.01458272	1/23/1990	47.58	0.53
34.64226896	80.26227408	29.91014961	1/24/1990	51.75	0.73
6.822456879	29.05891062	3.706356598	1/25/1990	55.78	0.93
90.91245638	145.2668082	82.26409675	1/26/1990	43.07	0.71
95.03125885	145.6924703	94.20247327	1/27/1990	40.29	0.58

72.0223615	119.4661905	68.92386256	1/28/1990	47.83	0.57
64.26987529	109.9421622	61.37198376	1/29/1990	43.37	0.79
69.03563583	115.693174	68.0089756	1/30/1990	46.65	0.61
56.9719703	96.38100883	56.74374386	1/31/1990	45.33	0.65
44.47084301	85.34556173	43.55999384	2/1/1990	47.76	0.76
10.73556727	45.15686859	14.40378546	2/2/1990	60.4	0.76
30.94111635	79.05285024	29.29140257	2/3/1990	50.58	0.89
44.14688425	96.64485134	43.71976786	2/4/1990	49.64	0.88
121.9254938	174.4053464	120.4464538	2/5/1990	38.79	0.58
110.1802351	164.1732686	109.7654602	2/6/1990	46.3	0.51
66.92452063	123.4485606	68.11001982	2/7/1990	51.22	0.65
54.32722783	93.09778071	53.35589911	2/8/1990	47.95	0.71
41.34170069	98.3848563	41.66647728	2/9/1990	59.36	0.67
44.18868139	110.9018817	45.84142085	2/10/1990	54.79	0.79
86.6955773	128.57894	87.02513925	2/11/1990	42.89	0.55
99.98870944	148.7327838	100.6616019	2/12/1990	42.5	0.61
115.8461843	177.7273295	115.3698946	2/13/1990	50.34	0.54
53.91375024	96.89900699	53.34154843	2/14/1990	63.5	0.52
24.95940604	68.70023869	27.89242354	2/15/1990	60.18	0.73
5.95083794	25.84876039	9.846797116	2/16/1990	64.33	0.87
141.9817702	212.0489493	141.3780357	2/17/1990	50.97	0.5
111.7514438	157.9921176	112.3985603	2/18/1990	40.83	0.61
75.79267601	119.9248382	75.36627039	2/19/1990	48.39	0.76
162.3820508	218.9069451	163.8048059	2/20/1990	40.17	0.38
83.00931207	122.2607292	83.32264782	2/21/1990	39.72	0.67
61.8606677	119.4595376	62.63431059	2/22/1990	54.31	0.73
32.06370708	97.16943233	35.02753073	2/23/1990	60.23	0.77
215.5134945	295.268635	211.9858574	2/24/1990	44.13	0.5
302.4573695	382.7482668	304.2225025	2/25/1990	26.83	0.31
157.1824232	203.4982047	157.4245152	2/26/1990	24.75	0.41
141.20547	192.0093907	140.8081265	2/27/1990	38.14	0.58
74.18877156	110.5232695	71.8424622	2/28/1990	44.76	0.6
132.2975257	179.2276487	131.8935014	3/1/1990	39.11	0.46
67.69471741	113.8554106	69.32388531	3/2/1990	44.58	0.85
33.58667728	69.30711409	33.67003903	3/3/1990	47.68	0.94
154.2555559	208.3537595	155.3398561	3/4/1990	37.05	0.5
82.93045802	121.4132809	83.15815102	3/5/1990	42.23	0.69
71.82211694	115.9219664	71.33684154	3/6/1990	47.25	0.76
159.5764533	213.0011172	161.3157161	3/7/1990	33.62	0.5
88.58560664	125.1535154	89.22458969	3/8/1990	36.05	0.62
35.86817187	82.36571065	36.81099732	3/9/1990	55.35	0.76
10.70719335	42.8120923	13.91894002	3/10/1990	57.5	0.82
5.456018138	32.72532896	9.598698491	3/11/1990	64.9	0.74
2.868853823	20.28781362	4.466925366	3/12/1990	72.04	0.65
12.86247308	38.66202845	11.75369298	3/13/1990	74.83	0.48
24.48357008	68.32414864	27.01389604	3/14/1990	72.69	0.52
17.86122985	64.12214169	20.32745804	3/15/1990	69.85	0.7
15.35726477	48.28361316	17.3496636	3/16/1990	72.79	0.73
27.81831095	78.36539039	29.19422466	3/17/1990	68.81	0.82
118.7244309	184.93185	119.4132425	3/18/1990	57.13	0.56
148.6433325	227.1416065	149.6390935	3/19/1990	58.3	0.52
273.5949796	370.2264483	277.3001585	3/20/1990	39.24	0.64

181.0018853	247.6490128	181.8707382	3/21/1990	44.63	0.45
150.370323	219.5100063	154.8779858	3/22/1990	54.24	0.5
128.986822	212.0300496	133.2007995	3/23/1990	63.03	0.44
157.1427334	222.5501825	158.5808345	3/24/1990	41.79	0.74
95.94696441	142.1339078	97.71534402	3/25/1990	39.9	0.94
106.3077184	153.942781	107.9306652	3/26/1990	48.27	0.63
172.3197803	232.4471978	172.9280004	3/27/1990	43.16	0.51
109.8975135	152.0985836	109.3658386	3/28/1990	44.37	0.63
114.0547646	168.5692986	115.993728	3/29/1990	44	0.91
112.2429003	175.7175309	115.4958511	3/30/1990	45.97	0.94
46.68352966	81.56086212	48.57699828	3/31/1990	49.8	0.97
45.86942378	89.3300187	47.7284287	4/1/1990	53.58	0.95
37.98757931	88.48480005	38.59072458	4/2/1990	57.31	0.92
176.1772002	253.6775745	177.8530312	4/3/1990	51.2	0.62
189.6435757	257.5970591	192.7188967	4/4/1990	48.45	0.51
129.6115163	183.126171	131.8257181	4/5/1990	55.95	0.48
129.3412403	188.8031173	133.0260457	4/6/1990	49.32	0.74
168.8518421	227.8831372	170.9948965	4/7/1990	40.72	0.68
129.1029464	170.6532874	128.7204427	4/8/1990	42.99	0.54
136.3674387	190.9584658	140.0467249	4/9/1990	51.12	0.52
91.8599643	173.3682172	94.03581283	4/10/1990	62.29	0.69
133.6204014	203.2082032	135.8371724	4/11/1990	56.6	0.64
175.9338649	231.0189565	179.3883677	4/12/1990	46.37	0.5
142.3462077	188.6528354	144.1266596	4/13/1990	45.66	0.53
106.9593178	160.8438413	107.3116212	4/14/1990	55.06	0.71
37.15075088	76.39870843	37.82537405	4/15/1990	60.07	0.84
78.56531852	129.4528702	79.82860262	4/16/1990	60.97	0.66
106.9518801	171.9965481	109.7487215	4/17/1990	58.33	0.75
192.3085928	249.9715274	194.2634788	4/18/1990	45.93	0.49
148.6263024	197.2239293	148.9502293	4/19/1990	50.05	0.63
103.0799333	157.0245251	107.8136479	4/20/1990	57.37	0.7
47.31143337	99.43838399	49.61854165	4/21/1990	62.18	0.87
64.86653468	106.5324954	66.07685402	4/22/1990	60	0.8
55.3915192	105.2434212	59.64442345	4/23/1990	66.62	0.59
50.86927463	88.5555352	47.26582269	4/24/1990	71	0.57
49.23705534	98.20284026	52.29269673	4/25/1990	69.84	0.66
38.31490781	76.07015796	37.72145778	4/26/1990	77.4	0.56
37.19158622	77.32764141	37.66963509	4/27/1990	78.29	0.57
109.438824	182.2368698	110.5249011	4/28/1990	75.12	0.54
124.8179412	195.1812032	124.7510165	4/29/1990	62.33	0.79
106.119291	165.8569088	104.5100551	4/30/1990	63.22	0.78
86.26263728	155.7737112	86.75710193	5/1/1990	70.95	0.69
182.0477152	258.7458801	182.4987188	5/2/1990	64.83	0.54
177.8269687	251.226627	177.8857977	5/3/1990	63.32	0.56
108.4690469	173.0904329	109.6375708	5/4/1990	62.91	0.82
134.3602777	227.63487	136.8633715	5/5/1990	71.07	0.69
255.1153385	338.0216216	254.7553233	5/6/1990	61.28	0.48
228.069447	301.2391749	229.9359999	5/7/1990	61.3	0.53
173.5965927	242.2333956	175.5713403	5/8/1990	68.01	0.51
186.4399009	267.4425263	186.747399	5/9/1990	68.24	0.64
171.2851771	253.4278138	170.4721704	5/10/1990	65.3	0.81
266.3144986	337.02745	266.9573749	5/11/1990	59.47	0.51

196.5808051	259.3014671	195.7681952	5/12/1990	60.44	0.67
117.6532957	186.8536925	120.0280933	5/13/1990	68.67	0.78
153.5409331	209.1646951	153.2274425	5/14/1990	63.55	0.7
102.3887858	152.3825078	105.0877364	5/15/1990	66.34	0.76
108.9305626	182.188377	108.3930117	5/16/1990	76.7	0.66
168.3890501	259.8266257	170.65877	5/17/1990	76.71	0.55
333.1721146	411.1802528	334.8152457	5/18/1990	70.34	0.31
226.113835	289.0288391	227.3268785	5/19/1990	70.65	0.47
129.4345411	187.5445224	129.7649018	5/20/1990	73.34	0.64
116.3186328	173.4053655	119.4168141	5/21/1990	69.8	0.82
235.2272306	296.5319049	236.5761439	5/22/1990	52.63	0.9
184.4255233	236.8381118	186.2498158	5/23/1990	58.11	0.7
148.3426998	195.3433347	149.7461659	5/24/1990	63.69	0.65
133.3208232	179.9459904	134.3349631	5/25/1990	65.07	0.71
128.7303875	199.2949986	129.2337373	5/26/1990	69.2	0.85
173.8384389	237.1518202	175.6996946	5/27/1990	60.88	0.86
180.8085193	240.9350753	183.0451103	5/28/1990	60.41	0.87
224.1382966	295.5297426	226.4199568	5/29/1990	59.17	0.84
233.7192983	300.9652449	234.8133151	5/30/1990	63.57	0.61
156.5577004	205.1381241	158.5747582	5/31/1990	64.19	0.58
138.3199566	198.8192298	140.8043151	6/1/1990	69.98	0.68
160.5216556	237.9691427	160.5006284	6/2/1990	72.49	0.69
117.5654756	198.3650916	117.9539203	6/3/1990	75.51	0.76
200.3020905	273.5782144	200.1268683	6/4/1990	72.39	0.65
235.6732037	290.5048774	236.7586976	6/5/1990	60.88	0.58
208.6099766	277.3047331	209.8958984	6/6/1990	69.91	0.71
110.6944568	172.0742329	111.7925848	6/7/1990	77.84	0.65
84.16700701	137.5360878	83.84115862	6/8/1990	79.48	0.72
101.0340415	162.560703	100.3455877	6/9/1990	82.03	0.67
187.7390274	257.7642017	189.3855938	6/10/1990	77.38	0.61
370.6916227	449.8580503	373.7074872	6/11/1990	70.17	0.5
266.2301164	325.5413526	267.3817031	6/12/1990	67.93	0.53
181.1695609	229.7307225	182.9593366	6/13/1990	70.25	0.55
153.4289894	206.6675302	153.8396997	6/14/1990	74.02	0.66
208.3476752	271.5949923	210.6124568	6/15/1990	67.78	0.72
154.5944212	207.2977422	156.6332063	6/16/1990	72.91	0.66
132.7691634	180.4754538	134.4386414	6/17/1990	74.83	0.67
158.7147727	224.9741386	165.0206008	6/18/1990	76.33	0.74
176.5364615	243.6788088	181.0757242	6/19/1990	76.84	0.7
223.4038034	286.8534141	225.1565371	6/20/1990	73.85	0.6
175.0407157	238.580595	174.9537177	6/21/1990	79.8	0.65
173.1840607	234.1751215	175.4407807	6/22/1990	76.1	0.74
233.0790025	303.8483438	235.7795313	6/23/1990	77.5	0.65
258.0770003	322.8468512	259.2829739	6/24/1990	74.24	0.54
220.3354448	275.9298169	221.6328714	6/25/1990	73.24	0.56
203.4532865	263.0865566	207.161328	6/26/1990	76.35	0.63
204.9907006	272.1640563	207.9857769	6/27/1990	79.6	0.62
168.2948875	228.2811932	169.9026506	6/28/1990	80.92	0.61
216.548104	291.5302677	216.4945163	6/29/1990	83.88	0.58
193.1825377	261.0877454	193.676725	6/30/1990	82.25	0.63
264.5122622	336.2728625	266.2125225	7/1/1990	76.48	0.69
317.8488808	391.244822	318.432301	7/2/1990	71.7	0.66

236.5339242	296.6658752	237.7074433	7/3/1990	75.59	0.6
301.9070193	384.8521836	303.2829312	7/4/1990	81.81	0.55
172.9277292	239.2877941	174.7662549	7/5/1990	84.97	0.59
184.4922833	247.1595206	185.0427869	7/6/1990	82.35	0.63
268.1728636	340.4248855	269.0116638	7/7/1990	75.08	0.7
214.8528564	278.0144358	215.4308876	7/8/1990	78.24	0.7
194.1989655	264.824298	194.9994716	7/9/1990	85.38	0.64
165.015857	231.1770944	167.2878426	7/10/1990	86.26	0.61
201.4850449	269.8885262	199.2969064	7/11/1990	82.08	0.71
258.1136008	342.2130752	253.417603	7/12/1990	79.35	0.8
221.2737895	286.4804076	219.8616792	7/13/1990	72.6	0.92
186.784807	243.9947698	185.9815999	7/14/1990	77.5	0.87
257.6717298	339.8002458	256.1432529	7/15/1990	79.48	0.78
167.8953804	224.5160193	167.4399357	7/16/1990	77.13	0.81
162.8592676	213.6906519	159.488563	7/17/1990	76.63	0.78
191.1612862	250.6001663	190.2859961	7/18/1990	78.61	0.75
189.4635088	249.0682716	183.7519117	7/19/1990	76.23	0.81
252.7168432	323.8894083	248.1406112	7/20/1990	80.61	0.72
222.3355507	293.5994866	219.6787287	7/21/1990	81.36	0.72
153.6125038	208.587419	150.8166981	7/22/1990	80.8	0.76
242.6942824	314.8535612	237.3778865	7/23/1990	81.83	0.68
314.7731555	388.4449744	309.4969243	7/24/1990	76.14	0.65
273.7779248	337.8572913	269.4782175	7/25/1990	77.04	0.66
316.4271775	390.217168	310.8100696	7/26/1990	77.13	0.64
246.5677657	318.7061468	239.2605486	7/27/1990	74.87	0.86
251.3586865	321.9937696	244.9840707	7/28/1990	76.71	0.78
218.5607603	284.6686348	216.4111582	7/29/1990	73.43	0.87
182.8205488	243.9311795	178.8877089	7/30/1990	76.85	0.81
212.1366521	276.0728821	207.5318854	7/31/1990	79.67	0.72
347.7472066	420.6201937	338.9598442	8/1/1990	71.96	0.61
255.3939274	316.2181379	248.9918669	8/2/1990	72.88	0.66
195.4890591	249.6588621	189.5815086	8/3/1990	75.28	0.67
256.5351128	325.6529821	250.8647825	8/4/1990	76.89	0.62
236.8113354	318.4240632	227.651695	8/5/1990	78.95	0.73
185.5733996	252.7565394	177.2433176	8/6/1990	75.65	0.86
214.5032896	280.0907693	209.1961714	8/7/1990	75.27	0.75
209.0007105	269.2224381	202.5669289	8/8/1990	75.42	0.69
235.336258	306.222169	225.94206	8/9/1990	69.36	0.94
178.8098659	244.8521693	171.0682562	8/10/1990	72.58	0.9
136.0339131	184.1875294	129.7328613	8/11/1990	76.29	0.79
151.4208778	211.7317124	144.6996757	8/12/1990	77.97	0.75
221.2389982	305.9424295	210.2109755	8/13/1990	80.7	0.71
188.3275494	251.2654999	175.6931994	8/14/1990	77.2	0.76
156.4750721	210.7107301	145.9799712	8/15/1990	75.21	0.86
138.2012946	186.9344974	128.7107891	8/16/1990	75.8	0.86
169.2920189	225.239059	156.6849912	8/17/1990	76.44	0.79
158.446136	211.8252013	145.3114738	8/18/1990	76.28	0.78
158.4249329	219.000018	145.7773529	8/19/1990	80.2	0.74
263.1389521	344.7982402	243.4306264	8/20/1990	71.08	0.91
261.7622396	333.8358201	242.0281724	8/21/1990	66.76	0.88
194.7226934	258.263037	172.0407178	8/22/1990	70.54	0.88
158.4638664	228.2921655	136.1740543	8/23/1990	75.88	0.86

170.1782915	244.5170615	143.7511062	8/24/1990	73.29	0.92
122.1231996	180.2200792	102.2570846	8/25/1990	76.54	0.84
115.7918426	171.5463684	98.76479448	8/26/1990	79.88	0.76
161.5240996	237.6529705	137.0805689	8/27/1990	81.27	0.71
170.4769016	246.9672499	138.441041	8/28/1990	83.1	0.7
175.1872453	241.2265214	146.619254	8/29/1990	79.78	0.75
289.9504253	363.8970992	255.5329699	8/30/1990	74.21	0.69
260.9239065	332.8350178	225.1873012	8/31/1990	72.65	0.7
228.3638338	293.0553426	199.0769113	9/1/1990	72.87	0.69
181.4814573	244.1213324	153.4839101	9/2/1990	77.5	0.71
243.4063867	321.0119355	209.6330652	9/3/1990	76.76	0.69
275.7516419	347.617969	243.0460515	9/4/1990	70.16	0.68
216.6552726	282.8959478	184.4936704	9/5/1990	71.9	0.73
143.1312711	203.8848261	116.5014139	9/6/1990	79.46	0.72
172.7206385	242.4475814	138.2090021	9/7/1990	79.92	0.75
232.4046041	304.8673899	195.8398052	9/8/1990	71.58	0.82
222.9626755	288.0867255	187.5751572	9/9/1990	71.83	0.79
192.7852178	256.5064124	158.5301462	9/10/1990	76.62	0.72
191.4765047	250.615304	160.9734892	9/11/1990	73.5	0.69
162.2403037	216.3330356	135.1266827	9/12/1990	73.7	0.71
147.369352	205.8962192	119.5602426	9/13/1990	71.27	0.93
154.1016466	213.5623947	123.5558334	9/14/1990	72.95	0.87
284.9651949	365.3998725	238.1951956	9/15/1990	74.22	0.65
290.4222646	363.3348878	248.77576	9/16/1990	67.75	0.67
399.0668924	478.3619449	350.1149251	9/17/1990	59.37	0.62
330.603832	400.1100711	291.5087827	9/18/1990	56.65	0.63
274.6982059	340.9426564	232.6582852	9/19/1990	62.76	0.75
183.8584161	240.3600133	151.1558282	9/20/1990	67.21	0.73
210.1021088	270.2952989	174.8046746	9/21/1990	65.58	0.74
165.6105167	225.7830792	130.0039414	9/22/1990	68.13	0.85
285.1450908	353.0193993	244.6105966	9/23/1990	61.79	0.62
275.4724163	334.4437405	237.310059	9/24/1990	56.65	0.63
248.2795309	308.2562018	211.1173157	9/25/1990	58.87	0.66
235.2653757	298.6224093	194.2454063	9/26/1990	63.05	0.72
154.8956184	205.3178121	124.2444262	9/27/1990	64.29	0.78
132.2844458	177.6143234	103.4953103	9/28/1990	65.16	0.78
130.5074936	183.8932723	100.4050753	9/29/1990	67.79	0.78
127.8479692	186.8113799	94.24581788	9/30/1990	68	0.83
243.0199407	308.2274703	200.2409441	10/1/1990	63.18	0.61
203.9744482	262.3025657	166.4846353	10/2/1990	63.4	0.65
194.5192183	250.8229916	155.5070806	10/3/1990	63.28	0.69
175.7204542	256.6726712	125.7738629	10/4/1990	69.47	0.81
160.9000585	213.5021366	126.3801536	10/5/1990	64.81	0.67
179.8756138	237.8868967	143.8221256	10/6/1990	66.8	0.64
120.8093652	181.7427867	85.28869766	10/7/1990	71.7	0.74
100.3862636	168.1216315	67.53167638	10/8/1990	75.89	0.72
130.016303	198.3375048	84.42419223	10/9/1990	74.71	0.71
109.8545573	167.8205072	72.32304109	10/10/1990	72.59	0.8
92.53341685	159.0688394	50.72398929	10/11/1990	74.41	0.84
84.28867885	133.805804	55.59700391	10/12/1990	71.58	0.89
57.56505513	102.8048456	34.47316009	10/13/1990	74.51	0.86
111.5464637	160.7449457	76.49370434	10/14/1990	72.6	0.74

196.5285867	257.4762442	156.8572534	10/15/1990	68.49	0.62
203.9935509	253.3915506	165.7496183	10/16/1990	59.4	0.59
169.0569928	220.0718646	131.228688	10/17/1990	63.44	0.69
237.6403375	326.0744062	171.0079048	10/18/1990	66.36	0.8
279.2014781	343.424819	232.6903407	10/19/1990	50.77	0.6
211.9384294	262.708595	175.3428282	10/20/1990	51.12	0.7
147.7833734	195.5788956	116.064909	10/21/1990	58.77	0.77
115.4229522	166.4229473	80.30226787	10/22/1990	64.33	0.84
102.9346181	157.9083178	63.93675542	10/23/1990	65.86	0.91
173.5853032	227.7491569	133.1052081	10/24/1990	59.58	0.71
280.85126	353.9106201	221.5503956	10/25/1990	56.84	0.64
475.9065766	575.8666185	399.4741093	10/26/1990	49.47	0.52
231.2269812	279.9011745	189.3491047	10/27/1990	44.07	0.56
276.4512017	336.0710823	227.5474497	10/28/1990	52.07	0.52
217.6342692	271.9152191	178.546781	10/29/1990	43.74	0.61
173.3587559	216.5358822	136.8859434	10/30/1990	48	0.62
106.8136857	145.6682117	78.82523746	10/31/1990	57.53	0.63
85.78910978	123.1035093	58.66504521	11/1/1990	58.41	0.69
117.8616176	164.632982	80.87882052	11/2/1990	60.13	0.66
104.6109648	147.0356384	70.99908963	11/3/1990	60.67	0.62
104.6450141	145.7226936	72.89622936	11/4/1990	58.95	0.68
126.3149792	187.2175173	84.27242997	11/5/1990	62.88	0.71
173.2770187	232.0661006	135.2052367	11/6/1990	56.21	0.56
152.7165256	198.4113757	119.4746159	11/7/1990	47.08	0.71
246.7904282	311.2053904	206.04499	11/8/1990	44.01	0.53
155.5315685	202.4111744	128.064389	11/9/1990	45.81	0.7
151.9802635	215.5561968	115.1757903	11/10/1990	56.05	0.8
253.4449184	324.3957036	219.2753599	11/11/1990	50.04	0.44
146.9597905	189.7016359	124.2311431	11/12/1990	46.88	0.58
181.733248	231.0115024	159.64237	11/13/1990	40.94	0.53
156.0522409	202.8182238	136.6763615	11/14/1990	41.12	0.56
120.3975789	163.3697604	99.87605756	11/15/1990	49.93	0.59
104.455647	147.6109228	84.38855947	11/16/1990	54.05	0.66
189.9301643	256.114896	160.8007403	11/17/1990	50.26	0.65
238.1135415	301.8128443	210.6865605	11/18/1990	41.83	0.47
124.245474	163.3513987	109.0468782	11/19/1990	41.08	0.54
111.1286027	145.3309446	96.09165077	11/20/1990	48.06	0.52
96.69572022	129.5511247	82.92230442	11/21/1990	43.65	0.65
105.2533656	147.1434485	87.49371989	11/22/1990	49.96	0.66
71.13711541	125.9666944	54.08323492	11/23/1990	60.14	0.66
180.6673899	244.6882711	156.0636607	11/24/1990	55.1	0.38
135.8656287	198.5667929	109.8734286	11/25/1990	59.05	0.46
76.30010996	119.8084844	61.56315004	11/26/1990	56.74	0.59
67.12462006	110.9246119	50.82611935	11/27/1990	57.5	0.7
10.77553112	39.35592973	7.646676384	11/28/1990	66.78	0.86
139.199251	205.1985116	119.3887503	11/29/1990	52.34	0.68
152.4487475	201.0006916	138.6207822	11/30/1990	37.12	0.56
177.2022361	232.9747808	160.529965	12/1/1990	44.13	0.5
104.302281	148.4375543	89.74818996	12/2/1990	52.38	0.57
79.65741203	130.9802102	57.19119836	12/3/1990	55.99	0.77
144.1773246	214.3220325	124.1528862	12/4/1990	52.87	0.63
197.877511	253.4391521	180.4891159	12/5/1990	36.35	0.43

146.7939904	193.9643471	130.6007693	12/6/1990	41.31	0.48
98.77215005	136.8500457	86.2635879	12/7/1990	42.25	0.74
128.0013704	177.3794767	112.3684021	12/8/1990	42.23	0.7
128.687183	173.1212287	113.4065634	12/9/1990	41.67	0.58
118.561479	166.5362393	101.2289502	12/10/1990	48.67	0.52
131.8180312	176.1642559	117.5573588	12/11/1990	42.75	0.43
102.4875101	147.2995848	89.61703676	12/12/1990	48.48	0.56
72.81368175	127.0006297	59.8306468	12/13/1990	55.74	0.59
159.2291386	210.6888883	144.9684025	12/14/1990	40.17	0.45
80.37295176	123.194829	69.84876545	12/15/1990	41.48	0.88
63.24277746	99.96819134	52.42909641	12/16/1990	47.24	0.82
70.82771261	104.493997	61.99580137	12/17/1990	42.24	0.77
33.54898055	84.25296945	21.2607311	12/18/1990	60.15	0.74
50.82882031	89.62429577	38.87372776	12/19/1990	51.69	0.79
92.92062113	134.4728549	80.39966865	12/20/1990	42.85	0.79
37.94022085	76.7973362	28.60837407	12/21/1990	48.67	0.96
7.721623041	25.72408597	6.993542598	12/22/1990	58.06	0.99
3.587327899	14.89003469	1.810496183	12/23/1990	66.28	0.91
147.3820921	215.6728389	126.4430565	12/24/1990	49.92	0.59
126.2610987	166.4424739	115.0387011	12/25/1990	29.03	0.54
104.3889227	140.3925022	94.00471445	12/26/1990	32.47	0.62
141.7952806	193.1874559	126.889584	12/27/1990	32.07	0.71
78.41117428	116.6772443	62.73532581	12/28/1990	34.77	1
56.56981707	98.02536458	43.28298941	12/29/1990	44.27	0.97
0.950763359	16.65662962	1.041793893	12/30/1990	65.01	0.88
91.87471888	150.3480306	74.23896042	12/31/1990	48.6	0.72
99.7003465	140.2366846	87.18525301	1/1/1991	33.97	0.67
66.54811295	106.1989633	55.99144977	1/2/1991	38.78	0.83
59.64602891	90.87923773	49.80640956	1/3/1991	40.12	0.84
110.1081655	154.1288525	93.59216069	1/4/1991	37.48	0.64
72.85652868	106.1408249	61.2484369	1/5/1991	37.91	0.65
59.62680305	98.54277395	44.82581506	1/6/1991	47.53	0.71
100.1170855	161.9340511	80.6981697	1/7/1991	38.58	0.97
140.2986375	204.1930723	119.2327384	1/8/1991	31.02	0.94
70.07827396	108.964329	55.37790388	1/9/1991	35.76	1
57.70501517	91.81939018	46.23193267	1/10/1991	40.91	0.85
59.39241373	104.3157686	44.50112806	1/11/1991	41.62	0.98
42.0458668	82.25396374	29.79231172	1/12/1991	42.2	0.99
83.84642892	124.6930794	64.40701707	1/13/1991	37.71	0.78
87.99686658	130.4460594	67.27446733	1/14/1991	36.01	0.77
64.20322735	106.0984296	48.57702028	1/15/1991	45.78	0.72
4.823094429	18.52151789	3.610877863	1/16/1991	58.2	0.94
90.17342575	147.8194028	66.97326291	1/17/1991	48.09	0.63
117.0740319	172.9588426	94.5605567	1/18/1991	43.66	0.61
81.85199842	125.351595	63.18596387	1/19/1991	43.94	0.63
41.68234464	86.84060886	27.78473148	1/20/1991	49.42	0.79
131.274259	190.7874093	105.4916628	1/21/1991	42.54	0.59
151.481017	203.1060166	129.1024542	1/22/1991	25.2	0.53
134.6737913	182.4687347	109.2426616	1/23/1991	31.29	0.59
86.04447741	128.7502146	65.94685927	1/24/1991	39.37	0.63
128.5386782	175.8817801	108.8593214	1/25/1991	29.65	0.49
88.03964971	124.6119669	71.29734271	1/26/1991	30.61	0.67

81.71190671	122.4143309	61.65731104	1/27/1991	41.54	0.58
51.57421019	93.75239494	34.77275043	1/28/1991	48.33	0.58
30.7048134	63.13274201	18.54951228	1/29/1991	45.45	0.83
5.953557783	28.26721544	4.460496183	1/30/1991	54.3	0.97
110.3320948	171.9226269	79.7080059	1/31/1991	45.69	0.52
91.67333515	124.6202697	71.33748122	2/1/1991	35.43	0.44
114.9696463	168.6748095	87.95407336	2/2/1991	43.92	0.43
50.71915955	85.59550727	31.44712981	2/3/1991	47.25	0.54
41.59768392	76.71128065	25.41540068	2/4/1991	49.17	0.49
37.63838617	81.45287408	27.18419092	2/5/1991	54.36	0.49
22.45302834	53.54659192	10.41735508	2/6/1991	56.12	0.67
9.311785208	39.94007209	4.815585483	2/7/1991	55.59	0.94
74.96231545	132.6989837	46.77243825	2/8/1991	45.16	0.82
60.68674836	96.89269697	43.23113311	2/9/1991	42.52	0.69
73.6523969	113.4110647	50.84697293	2/10/1991	41.08	0.73
101.0414939	147.3946263	75.46626894	2/11/1991	37.37	0.57
146.2943778	200.6833638	115.5766759	2/12/1991	31.83	0.43
95.07066086	149.258152	62.65588148	2/13/1991	44.34	0.68
76.35381815	147.6892847	44.22914019	2/14/1991	53.68	0.63
213.9729123	287.3948394	171.2496813	2/15/1991	33.51	0.37
210.4379755	275.7942103	171.5309699	2/16/1991	24.78	0.35
116.5440119	162.0254619	86.54043431	2/17/1991	36.65	0.51
46.11673983	85.75431918	27.45392571	2/18/1991	43.29	0.89
3.943892032	16.40183921	1.163167939	2/19/1991	57.92	0.93
9.135830603	43.61105469	8.425381679	2/20/1991	64.34	0.69
52.93814273	83.60350832	33.00275487	2/21/1991	48.91	0.6
69.89912517	123.2977263	47.90443664	2/22/1991	56.64	0.49
156.6166969	218.789516	120.7313335	2/23/1991	38.28	0.49
72.09421007	103.5691713	50.15601191	2/24/1991	37.81	0.75
73.65578501	114.664534	45.01396111	2/25/1991	42.75	0.79
92.51497081	143.1414065	61.90171333	2/26/1991	36.33	0.9
121.0188769	170.1860972	86.95529675	2/27/1991	36.48	0.63
84.520263	129.9337558	48.9594423	2/28/1991	46.39	0.57
53.20178763	106.487028	31.3064239	3/1/1991	55.13	0.6
4.965403443	22.18931298	0	3/2/1991	63.49	0.83
7.550881263	40.05178985	0.121374046	3/3/1991	58.38	0.92
67.08509149	126.4134612	29.67947692	3/4/1991	54.39	0.7
75.42939002	115.1174138	39.57452527	3/5/1991	49.55	0.56
97.71017649	156.2365879	51.14856584	3/6/1991	52.46	0.67
87.21975849	153.906515	50.83059711	3/7/1991	55.51	0.59
107.3696696	149.3736536	77.92973886	3/8/1991	40.63	0.54
117.0925323	160.9956887	87.06770344	3/9/1991	38.84	0.54
134.7057267	190.0572522	100.4014316	3/10/1991	41.15	0.62
177.6043908	241.1972643	139.1214445	3/11/1991	40.25	0.51
130.2910507	176.0217974	103.337109	3/12/1991	39.09	0.46
86.95220935	136.2995746	62.24937825	3/13/1991	39.37	0.99
108.7278096	164.9036272	84.19557825	3/14/1991	37.22	0.95
134.7943212	195.3635403	106.0192439	3/15/1991	42.66	0.71
87.05639703	126.4408377	69.67120966	3/16/1991	43.26	0.65
71.21835464	109.8876297	53.49907939	3/17/1991	48.79	0.62
36.2187201	81.99309878	24.68537796	3/18/1991	53.28	0.83
123.4310487	187.5413633	93.97159127	3/19/1991	51.85	0.57

73.8378145	125.4453878	55.97318478	3/20/1991	53.39	0.58
41.00197621	79.40131523	31.09022444	3/21/1991	58.83	0.69
17.76050185	56.99135697	16.49470787	3/22/1991	59.87	0.81
41.86304846	87.21644719	30.62450908	3/23/1991	51.26	0.99
98.45684646	160.546085	86.13311098	3/24/1991	61.35	0.54
80.47723573	130.5037962	70.05761654	3/25/1991	53.16	0.63
79.47971829	126.7834657	70.19068041	3/26/1991	52.86	0.71
21.50283629	70.4581175	22.6393446	3/27/1991	68.13	0.71
24.85624582	77.21393086	25.02068292	3/28/1991	73.74	0.6
48.27583798	96.80586038	41.09451881	3/29/1991	55.84	0.93
185.0926679	253.5490131	174.8467179	3/30/1991	44.4	0.74
141.6647659	192.3777975	134.1936257	3/31/1991	43.61	0.58
149.6529984	204.6146256	144.050789	4/1/1991	49.67	0.51
134.9266682	185.4316271	130.9613273	4/2/1991	48.91	0.49
120.033886	169.9940292	116.9530082	4/3/1991	48.17	0.53
115.5059157	170.3564342	111.4961005	4/4/1991	53.88	0.56
79.61888719	138.6045331	74.20229239	4/5/1991	58.74	0.73
42.68873667	89.15053344	41.10303551	4/6/1991	63.34	0.65
36.43826196	67.54906993	34.46538139	4/7/1991	69.09	0.6
48.42439408	107.5829382	41.94783668	4/8/1991	74.5	0.59
28.72982327	82.3213441	19.48556189	4/9/1991	76.12	0.65
144.6826243	220.7670069	141.1298658	4/10/1991	70	0.45
181.1778248	237.2886645	178.8476745	4/11/1991	54.58	0.4
223.3343798	286.3969823	222.3802958	4/12/1991	53.99	0.38
126.8615689	174.52952	125.247414	4/13/1991	51.21	0.77
120.5952796	175.0408338	120.5047318	4/14/1991	50.79	0.93
66.5117976	113.8885329	66.83632103	4/15/1991	58.44	0.91
82.61185935	139.7747022	82.78895219	4/16/1991	67.17	0.58
93.48819324	161.520948	94.21244813	4/17/1991	70.69	0.57
164.6669473	240.066301	161.6893528	4/18/1991	58.1	0.7
188.398758	252.9490691	183.5066777	4/19/1991	51.02	0.76
163.7754898	221.8382376	161.0068682	4/20/1991	49.89	0.93
164.2131648	221.336507	161.865718	4/21/1991	51.84	0.8
200.1836895	262.0711677	198.2862863	4/22/1991	54.46	0.57
142.7379725	195.0697461	140.2904599	4/23/1991	57.5	0.6
156.836532	227.5067427	156.2062906	4/24/1991	62.7	0.61
125.7664273	174.9437177	125.420693	4/25/1991	60.96	0.56
98.14138499	145.8917162	95.3603735	4/26/1991	63.57	0.66
74.40543014	137.6775856	75.75641453	4/27/1991	69.09	0.68
48.74388137	99.21275994	45.29556456	4/28/1991	68.59	0.8
57.87983002	106.1849873	56.20761238	4/29/1991	64.41	0.91
47.24903037	100.3653819	46.17490636	4/30/1991	71.72	0.8
64.03452933	116.0649732	63.73510163	5/1/1991	72.83	0.69
181.1100088	242.5778248	181.4718462	5/2/1991	66.21	0.48
206.4693645	272.8005641	206.5884204	5/3/1991	63.42	0.44
149.7505043	203.8059245	148.2973606	5/4/1991	61.76	0.59
132.6983913	195.3957675	129.0623733	5/5/1991	66.48	0.66
65.04318689	132.7902492	58.42181117	5/6/1991	72.04	0.81
141.9699919	194.8083799	135.8534241	5/7/1991	65.05	0.64
118.0774626	169.1469522	115.7052533	5/8/1991	65.63	0.62
108.5138048	159.6181923	107.0478479	5/9/1991	63.33	0.82
104.2234994	158.4395685	99.73048682	5/10/1991	69.19	0.7

152.2418339	209.4934066	143.4411516	5/11/1991	65.88	0.61
109.3128339	182.4562742	103.8137521	5/12/1991	75.5	0.58
87.37550391	154.3939462	78.75765896	5/13/1991	78.25	0.66
92.61548844	160.3656596	82.0694647	5/14/1991	75.16	0.77
99.3901843	159.0922778	91.03562862	5/15/1991	74.9	0.75
156.9230289	222.1958866	142.4309563	5/16/1991	73.17	0.69
93.48937742	159.9579166	83.42780432	5/17/1991	76.74	0.8
189.91965	265.4024582	170.6634551	5/18/1991	70.64	0.78
259.7304306	329.5015972	241.3125177	5/19/1991	55.49	0.82
200.119184	256.7888198	179.9571881	5/20/1991	57.38	0.86
154.5563696	212.0970415	135.4316591	5/21/1991	68.53	0.71
131.1116999	195.4150717	112.1659567	5/22/1991	73.18	0.73
116.3104891	184.7484464	98.26457648	5/23/1991	76.03	0.7
147.6663717	225.4730879	127.7844148	5/24/1991	75.09	0.72
106.0214061	176.27824	88.593863	5/25/1991	79.5	0.73
111.5461931	177.1594027	91.21590767	5/26/1991	80.67	0.7
107.5923713	193.2097923	87.8352938	5/27/1991	82.42	0.76
98.60724513	163.4373696	75.02870061	5/28/1991	81.62	0.76
115.8525404	170.4363597	98.35110288	5/29/1991	82.31	0.66
156.7535409	244.8489403	146.1399585	5/30/1991	84.79	0.6
136.1370841	220.9936109	127.6317102	5/31/1991	85.77	0.64
147.0218922	206.7634166	132.0537318	6/1/1991	81.38	0.7
148.9609816	207.3542194	139.1595232	6/2/1991	76.65	0.8
131.369521	184.9262317	123.1582739	6/3/1991	76.08	0.84
377.0787072	472.7490888	359.8094774	6/4/1991	73.18	0.64
341.0152032	418.5486153	330.705165	6/5/1991	63.67	0.67
293.2078402	357.1519549	283.46633	6/6/1991	63.84	0.68
285.6712167	352.5475996	278.6409913	6/7/1991	64.99	0.63
242.5003336	303.3770772	234.4682143	6/8/1991	68.01	0.58
222.531497	286.381724	215.0277334	6/9/1991	74.32	0.56
250.3760113	320.4582047	242.6997956	6/10/1991	77.25	0.53
264.7318734	339.0598119	256.94095	6/11/1991	78.3	0.57
245.8057289	320.442302	239.3065454	6/12/1991	78.46	0.65
339.4121658	415.6580539	334.5999425	6/13/1991	75.91	0.45
219.8532003	279.4807335	216.6305062	6/14/1991	75.84	0.59
198.9027273	271.6220301	194.3500518	6/15/1991	83.21	0.62
173.663177	248.8520807	171.2424771	6/16/1991	83.87	0.68
142.9078206	201.1138751	141.9044852	6/17/1991	80.46	0.76
185.3913785	249.4423352	183.6278176	6/18/1991	73.5	0.92
195.2400478	254.8418392	194.2456582	6/19/1991	70.77	0.9
133.8823845	181.1519027	132.6379796	6/20/1991	76.79	0.82
149.507472	209.8338737	148.1542453	6/21/1991	79.63	0.75
160.7660996	226.0148191	158.8547425	6/22/1991	74.32	0.92
288.904138	369.8778339	287.5731664	6/23/1991	66.61	0.91
290.5864429	361.6092043	291.3502881	6/24/1991	68.89	0.66
264.2705077	329.7444463	261.2212443	6/25/1991	69.04	0.61
209.6055569	268.4985755	211.0551272	6/26/1991	71.08	0.67
183.4310075	243.1821045	183.7864066	6/27/1991	75.08	0.65
181.4427732	253.0882946	178.8780278	6/28/1991	78.4	0.69
122.8636905	189.2526733	120.7547231	6/29/1991	84.09	0.68
132.8760033	207.4723987	132.8742641	6/30/1991	86.56	0.69
160.7544593	228.6485451	161.3155759	7/1/1991	80.62	0.77

168.4967913	227.5775886	166.6339457	7/2/1991	79.37	0.82
154.8222488	216.9384841	154.0767408	7/3/1991	80.64	0.76
202.0776704	276.3919545	202.5035277	7/4/1991	75.75	0.92
123.656533	175.3664682	122.901409	7/5/1991	78.7	0.85
165.3355282	226.3605481	153.251357	7/6/1991	81.72	0.73
179.0027641	243.6673371	160.4723757	7/7/1991	84.41	0.69
219.0489131	294.6570794	197.479944	7/8/1991	87.13	0.61
235.3721377	284.937441	214.7153706	7/9/1991	81.21	0.65
205.055738	250.3982907	183.1665318	7/10/1991	78.07	0.79
209.965925	264.4891223	185.971469	7/11/1991	80.09	0.74
242.3416244	299.6141615	217.9510257	7/12/1991	79.84	0.68
221.9583057	295.564545	193.0460419	7/13/1991	81.69	0.75
233.1127122	291.5069063	205.5841219	7/14/1991	77.61	0.76
248.0206414	302.2821616	221.2743132	7/15/1991	77.55	0.68
210.027893	250.736241	185.4186776	7/16/1991	77.87	0.67
244.692293	301.2724221	211.7085357	7/17/1991	79.54	0.69
293.7084515	381.8819909	254.073247	7/18/1991	82.97	0.67
260.6578833	344.4778114	226.1318581	7/19/1991	80.2	0.79
149.1881397	194.3436313	126.8911323	7/20/1991	83.62	0.77
165.4209022	209.7647809	150.3326256	7/21/1991	84.87	0.71
169.7200866	221.2265708	151.3168067	7/22/1991	86.89	0.68
198.5070306	244.4130278	182.2870214	7/23/1991	88.38	0.64
242.6541814	287.1421375	228.3144629	7/24/1991	83.68	0.68
193.4067616	238.1342837	181.6703111	7/25/1991	79.16	0.88
195.6650464	239.4185408	184.4166677	7/26/1991	77.87	0.87
289.8481798	342.4334909	276.3909848	7/27/1991	72.22	0.93
296.3534427	359.0947073	287.9489947	7/28/1991	75.77	0.72
307.4764705	387.0389831	299.1918621	7/29/1991	69.57	0.91
201.0501764	265.0184908	191.7964952	7/30/1991	71.09	0.91
136.5417838	191.875444	132.8984604	7/31/1991	76.91	0.82
167.6471868	231.5916442	164.4018257	8/1/1991	78.66	0.79
209.4455459	291.6520047	199.5516464	8/2/1991	82.34	0.74
142.6452107	198.2553521	139.1971754	8/3/1991	82.37	0.78
207.8071853	270.7992756	200.1175515	8/4/1991	83.34	0.7
287.9108293	350.4109354	284.7387796	8/5/1991	77.6	0.61
250.5074879	300.8242033	246.773763	8/6/1991	75.87	0.67
206.5350549	258.6490162	204.0871205	8/7/1991	74.04	0.87
177.3487861	240.7049382	171.8417885	8/8/1991	77.22	0.82
219.4182911	302.3054827	192.6342425	8/9/1991	78.36	0.85
215.0644524	286.2362798	203.769399	8/10/1991	77.58	0.74
265.0500234	335.8892452	262.0413911	8/11/1991	76.5	0.64
201.9585515	264.2892203	200.8337925	8/12/1991	74.26	0.76
189.3181855	252.5100723	183.1640154	8/13/1991	76.59	0.76
182.0016962	246.270766	175.8145641	8/14/1991	75.93	0.8
240.1787994	316.495558	237.3983841	8/15/1991	75.36	0.79
157.1447034	214.7098321	155.4968056	8/16/1991	77.84	0.72
226.547473	297.4930124	223.5034738	8/17/1991	78.15	0.69
183.0704353	254.9299753	178.9976267	8/18/1991	77.76	0.83
210.8019243	290.2881414	205.2089295	8/19/1991	80.24	0.77
179.872105	243.3988211	178.6460503	8/20/1991	75.55	0.82
219.390197	284.9922648	218.7588353	8/21/1991	75.17	0.69
214.4810341	278.0248328	212.2209028	8/22/1991	75.17	0.68

179.4075998	240.8521682	177.7697913	8/23/1991	77.3	0.71
194.9044606	261.5853816	193.6362885	8/24/1991	77.07	0.77
267.2446933	349.218332	265.4555993	8/25/1991	74.23	0.78
248.4795808	331.9598359	248.7097248	8/26/1991	72.51	0.87
171.4057519	239.4604138	172.9114766	8/27/1991	78.12	0.76
156.5374979	217.9088072	154.5423771	8/28/1991	79.06	0.74
170.7682666	240.7316362	170.6001454	8/29/1991	81.82	0.7
176.1226884	244.4077473	174.6193732	8/30/1991	83.16	0.66
195.1325349	263.5429455	193.303817	8/31/1991	83	0.66
345.2344205	427.7556559	345.4920809	9/1/1991	69.8	0.74
331.0012603	406.8317892	330.5319948	9/2/1991	65.49	0.72
232.7687777	295.9132686	234.0606104	9/3/1991	69.83	0.71
257.3507547	341.0405829	252.9437615	9/4/1991	74.46	0.72
163.0048398	226.710656	162.7333577	9/5/1991	76.42	0.72
171.3954238	239.9846802	170.300098	9/6/1991	73.04	0.86
191.7715091	258.8875364	193.3317898	9/7/1991	72.36	0.74
192.6167928	249.664609	189.3851927	9/8/1991	73.17	0.64
201.7383597	261.2504532	201.0016763	9/9/1991	73.72	0.62
256.2381711	334.0195436	253.1682946	9/10/1991	75.13	0.66
181.5404465	248.3507715	181.0531811	9/11/1991	78.2	0.65
229.0404248	294.1227328	227.2832483	9/12/1991	73.58	0.64
184.7960889	250.0566505	184.7820102	9/13/1991	73.91	0.73
153.6642156	219.5245784	150.8082219	9/14/1991	79.45	0.72
128.4711455	186.0503231	125.9803414	9/15/1991	78.08	0.76
139.2747055	217.0270411	139.5503454	9/16/1991	83.19	0.72
151.1337063	235.3701016	149.2695621	9/17/1991	84.17	0.7
217.8383488	302.2416259	216.1924389	9/18/1991	82.41	0.68
309.8696802	395.2506475	308.5470931	9/19/1991	70.94	0.81
390.3955911	463.3267979	385.8664448	9/20/1991	58.96	0.67
327.8292064	390.1022845	308.2908398	9/21/1991	58	0.62
250.900406	304.3796871	232.1067059	9/22/1991	60.25	0.66
202.115185	257.7750705	180.8613112	9/23/1991	67.42	0.71
178.5086096	238.2367356	155.7902496	9/24/1991	66.95	0.85
172.5431144	239.4488815	139.5611491	9/25/1991	68.79	0.9
253.3138286	319.0054888	227.1614075	9/26/1991	64.68	0.68
224.8499812	275.2182281	204.799047	9/27/1991	58.09	0.59
239.0501123	289.7604797	216.7023124	9/28/1991	58.57	0.6
236.9070773	297.6782621	212.5654538	9/29/1991	64.3	0.65
197.4314745	252.1650715	177.7780234	9/30/1991	63.74	0.76
174.0367693	231.0747083	159.5044791	10/1/1991	67.03	0.75
114.4678444	161.112013	103.0674993	10/2/1991	67.86	0.81
141.0517612	197.0574882	127.2469543	10/3/1991	68.15	0.8
121.2159508	178.3760044	110.4795795	10/4/1991	72.17	0.73
129.1472406	191.6942542	117.1014732	10/5/1991	69.72	0.87
266.370185	335.5834877	254.8949357	10/6/1991	59.46	0.72
295.9936626	357.7343786	284.1265743	10/7/1991	50.58	0.5
213.1190932	261.2461791	204.5662267	10/8/1991	51.74	0.56
209.1096537	266.3227265	202.0247103	10/9/1991	57.42	0.67
154.1411539	208.8984375	148.7858697	10/10/1991	62.67	0.73
174.2011099	230.0942108	166.1923023	10/11/1991	59.6	0.75
150.988629	197.6757861	146.6424774	10/12/1991	52.67	0.88
200.0211321	254.7193651	195.8875831	10/13/1991	53.58	0.73

202.4480819	259.2609495	198.6730948	10/14/1991	54.16	0.69
147.3605861	201.6480153	141.995925	10/15/1991	63.85	0.74
261.6311014	335.2383308	256.9891485	10/16/1991	53.91	0.76
241.6675493	307.3515594	237.0956563	10/17/1991	47.24	0.88
149.8834769	196.9427158	148.1333511	10/18/1991	57.03	0.67
169.7253189	228.3785563	167.7720881	10/19/1991	63.71	0.61
239.5011003	300.7460412	236.3369086	10/20/1991	49.96	0.57
152.5702843	193.3444694	150.0014825	10/21/1991	49.11	0.69
105.892608	146.4934911	106.9191158	10/22/1991	58.45	0.75
74.4332966	118.9815559	73.62645152	10/23/1991	64.84	0.78
78.72963575	122.2569515	73.49412812	10/24/1991	62.55	0.84
55.00205841	96.8987195	55.82532302	10/25/1991	63.42	0.87
53.15504755	99.45625537	54.65283526	10/26/1991	64.8	0.88
52.60980448	98.31041733	53.55733987	10/27/1991	65.56	0.86
155.1678616	219.1127022	156.1086352	10/28/1991	59.55	0.77
232.861496	298.6618577	233.2984466	10/29/1991	49.18	0.66
252.0920808	316.0062658	250.6403592	10/30/1991	49.62	0.48
200.5540937	260.9447731	202.457406	10/31/1991	54.41	0.56
125.309806	172.465808	126.360136	11/1/1991	57.05	0.68
132.7111574	199.951163	132.4316277	11/2/1991	64.85	0.63
182.2448002	237.6284466	180.0782254	11/3/1991	48.81	0.57
277.2745081	344.4765528	265.9356086	11/4/1991	40.06	0.54
220.3259015	274.6409425	207.6347651	11/5/1991	33.59	0.47
139.1892276	178.9114376	130.4168257	11/6/1991	37.96	0.55
123.5278135	159.882318	120.1646311	11/7/1991	42.49	0.62
243.0655704	314.0295792	240.5774994	11/8/1991	39.84	0.71
276.4257669	352.2291268	267.0967049	11/9/1991	39.15	0.64
195.616919	258.5466869	187.7688744	11/10/1991	40.53	0.93
130.1295934	179.3887056	129.0247367	11/11/1991	44.83	0.81
92.41834823	126.6569498	90.36426303	11/12/1991	45.46	0.7
123.6534258	167.468366	120.2718415	11/13/1991	45.6	0.7
90.86822924	125.6946247	88.47553825	11/14/1991	49.09	0.65
94.31993074	146.2837076	88.57790903	11/15/1991	61.08	0.5
75.59748773	130.1032826	75.23488144	11/16/1991	63	0.53
134.8847429	178.7912197	133.6441207	11/17/1991	43.68	0.59
113.0202447	154.929589	111.9710813	11/18/1991	43.87	0.63
76.36780677	122.1265515	71.62613801	11/19/1991	57.75	0.67
35.47341764	82.03055919	31.48412264	11/20/1991	64.78	0.75
9.042559165	25.72933757	11.67471478	11/21/1991	67.96	0.88
15.19047592	57.29114692	18.23557153	11/22/1991	65.86	0.89
52.02076949	98.24093006	52.57897168	11/23/1991	59.66	0.78
148.2047793	213.7107787	144.8126291	11/24/1991	53.19	0.67
197.7905013	254.6931222	195.9429144	11/25/1991	38.26	0.55
160.2724419	201.2566317	156.9768208	11/26/1991	31.89	0.61
128.9045296	168.75057	129.2970269	11/27/1991	33.59	0.69
137.2189781	190.7500002	136.4493883	11/28/1991	46.5	0.58
92.6777243	151.0249176	90.69485339	11/29/1991	56.47	0.64
16.45189481	56.46049172	18.06501942	11/30/1991	64.38	0.83
7.948605802	42.00113125	10.46912996	12/1/1991	61.11	0.98
25.45097101	73.06287537	26.73506952	12/2/1991	56.79	1
14.20180171	62.58761305	16.38177176	12/3/1991	61.7	0.97
229.017527	298.3785372	223.0008959	12/4/1991	39.92	0.63

194.2191695	242.7041152	191.2668343	12/5/1991	32.08	0.51
176.9641395	235.2107209	176.831011	12/6/1991	42.51	0.55
114.0895236	161.6475246	113.255011	12/7/1991	46.08	0.68
61.4209898	97.5259083	60.49587806	12/8/1991	54.7	0.69
34.85399793	83.17584589	33.87839298	12/9/1991	62.73	0.73
83.76462612	128.6570156	83.22167749	12/10/1991	47.44	0.83
80.00105874	123.3489005	78.48041889	12/11/1991	44.92	0.82
71.31947552	108.8189139	71.63608107	12/12/1991	48.58	0.77
44.01099964	104.6017938	42.26214154	12/13/1991	61.66	0.74
66.05895406	132.4905314	65.66160089	12/14/1991	59.46	0.75
207.570102	267.5892151	206.0799084	12/15/1991	38.92	0.39
193.888279	246.3516419	194.2129222	12/16/1991	32.12	0.39
168.6211837	220.5915701	166.3525552	12/17/1991	42.05	0.47
163.3477632	214.722076	161.7599155	12/18/1991	38.19	0.52
208.1295622	263.2397842	207.4150889	12/19/1991	27.64	0.42
125.5425974	165.0471249	124.4696879	12/20/1991	33.77	0.43
137.3513646	182.9843835	135.319697	12/21/1991	45.58	0.39
95.45494199	129.55749	93.73167858	12/22/1991	37.24	0.57
68.68422106	111.6946602	66.12678157	12/23/1991	46.58	0.81
105.3367936	151.7186672	100.8256274	12/24/1991	41.4	0.68
86.86234996	119.2376817	77.57886996	12/25/1991	36.32	0.6
74.94587577	104.8057467	67.10935393	12/26/1991	34.99	0.71
85.60704242	122.3523188	76.69999141	12/27/1991	39.01	0.66
78.08875755	121.5696903	65.35279086	12/28/1991	37.69	0.91
38.64186472	74.42092491	28.73354967	12/29/1991	45.15	0.96
90.52865112	139.5423772	76.08109103	12/30/1991	43.95	0.71
111.9068887	159.6294078	99.88215095	12/31/1991	36.92	0.65
80.61530118	121.8213353	69.31454368	1/1/1992	40.95	0.73
44.20202807	84.11144255	35.72598538	1/2/1992	44.28	0.94
19.56730347	67.99942942	14.03531028	1/3/1992	53.19	0.91
43.35314606	99.98723003	28.388775	1/4/1992	49.44	0.93
84.47275345	141.2382858	65.68635757	1/5/1992	47.45	0.78
59.98338312	89.59390835	53.38628436	1/6/1992	39.49	0.77
73.66805579	107.5256979	63.1874547	1/7/1992	37.03	0.73
68.15470671	97.39085169	57.20714998	1/8/1992	37.84	0.69
44.92157434	87.76146958	29.75498261	1/9/1992	47.01	0.88
50.58041253	86.602962	36.03547294	1/10/1992	44.65	0.85
107.6734424	156.2496276	88.62157268	1/11/1992	39.93	0.55
83.65444603	126.4241489	64.8721421	1/12/1992	42.79	0.61
29.56557908	74.59070741	13.91573204	1/13/1992	53.16	0.79
87.60354828	160.6124384	56.25878682	1/14/1992	55.58	0.61
152.5416539	205.0347675	131.3247237	1/15/1992	32.53	0.37
215.5981895	276.2114827	184.9772824	1/16/1992	25.66	0.32
157.6124548	214.7912312	127.7264273	1/17/1992	37.26	0.36
127.9474444	172.7578765	106.5206834	1/18/1992	38.54	0.3
136.0710849	180.0051441	112.2504386	1/19/1992	23.7	0.41
123.0843642	166.2710991	104.8358369	1/20/1992	31.56	0.52
85.89785286	125.1428794	68.68320491	1/21/1992	42.72	0.51
61.91167369	98.95858364	44.07452831	1/22/1992	40.47	0.78
30.63409623	73.48964601	12.31159839	1/23/1992	46.63	0.9
170.8447028	236.3905895	135.1003175	1/24/1992	40.27	0.42
105.473846	144.7456607	83.5413102	1/25/1992	31.96	0.46

97.22815054	135.8144723	75.42260332	1/26/1992	32.76	0.57
68.00197638	97.99501966	51.37475975	1/27/1992	35.76	0.64
39.64191689	71.99090073	25.77775281	1/28/1992	43.44	0.75
51.05614094	81.92000835	30.84592437	1/29/1992	36.71	0.79
41.55023175	78.34445952	25.10719733	1/30/1992	41.17	0.8
64.16178257	104.2254021	38.86441884	1/31/1992	43.83	0.62
127.2921044	182.9134657	89.09188021	2/1/1992	37.34	0.49
108.3217714	150.66283	83.77916668	2/2/1992	34.47	0.38
71.10021964	102.7153767	51.48307786	2/3/1992	39.47	0.46
60.98124109	106.0898972	39.89166119	2/4/1992	46.71	0.57
98.94642292	145.3577439	74.75709813	2/5/1992	38.18	0.46
97.43597213	142.6490294	72.31307356	2/6/1992	35.2	0.57
74.36249067	114.905154	52.27943143	2/7/1992	36.24	0.72
73.04002435	111.7991457	52.39095027	2/8/1992	34.67	0.72
109.2815008	153.3143463	84.23320504	2/9/1992	31.66	0.44
89.57533042	127.0087488	68.43068008	2/10/1992	30.38	0.52
62.67005827	102.5060506	36.09462158	2/11/1992	44.13	0.55
117.9639739	167.8939979	82.31241072	2/12/1992	34.95	0.43
64.26973885	101.4712949	42.20182006	2/13/1992	32.17	0.74
42.06641752	76.54914809	17.79003064	2/14/1992	43.29	0.74
10.41755831	46.92407005	2.417366412	2/15/1992	49.07	0.92
17.96708914	60.5660272	1.871183206	2/16/1992	54.78	0.75
54.0998323	88.1462562	26.92577062	2/17/1992	41.34	0.75
34.93801954	78.45857841	7.593092991	2/18/1992	43.24	0.97
14.11709122	51.28636811	1.346719575	2/19/1992	54.19	0.79
68.92284189	122.3742634	32.93704083	2/20/1992	49.04	0.59
63.1764666	115.622355	34.84626855	2/21/1992	50.16	0.53
55.05029025	103.362566	27.77226106	2/22/1992	52.3	0.55
19.65627047	53.13920731	3.155563762	2/23/1992	52.26	0.83
24.18290304	63.80609673	4.231597219	2/24/1992	49.03	0.98
56.75045039	101.393472	22.00871789	2/25/1992	42.59	0.97
60.53425164	107.8934719	24.54677169	2/26/1992	42.86	0.94
85.36029581	136.3714129	37.55481778	2/27/1992	45.16	0.68
97.82887128	171.4543831	51.50886483	2/28/1992	53.34	0.53
157.0137402	223.3001247	96.63646853	2/29/1992	44.25	0.42
126.2470425	180.8095403	70.29540659	3/1/1992	46.59	0.38
58.26658224	105.6350324	26.14302256	3/2/1992	57.24	0.43
51.37010483	103.7118075	12.40813696	3/3/1992	54.21	0.66
52.48923931	90.78638437	13.39920616	3/4/1992	44.47	0.93
24.9811691	54.89548464	0.031143669	3/5/1992	49.95	0.95
14.85259737	55.88127045	0.34389313	3/6/1992	53.6	0.98
7.231557371	22.87910202	0	3/7/1992	61.53	0.92
30.90838517	75.97789605	5.332401235	3/8/1992	60.34	0.73
43.75026532	94.65330204	12.74209113	3/9/1992	58.76	0.64
36.41440791	99.18504247	6.608626755	3/10/1992	59.45	0.81
226.0659103	313.6563989	156.344406	3/11/1992	42.76	0.56
182.5561829	241.9357924	130.6459006	3/12/1992	39.24	0.46
172.0366417	232.6399463	123.8922492	3/13/1992	38.22	0.44
159.9457038	214.2703859	113.7569022	3/14/1992	37	0.48
134.0548632	184.7503821	93.89791688	3/15/1992	37.12	0.57
194.0112282	254.7633448	145.5210589	3/16/1992	31.05	0.41
135.2364928	196.7183925	83.09198327	3/17/1992	49.89	0.47

90.81851575	141.2366621	51.36276098	3/18/1992	47.63	0.72
82.07387193	131.851762	43.00465949	3/19/1992	45.76	0.86
106.9684405	149.1962491	73.15354143	3/20/1992	39.15	0.63
131.6752308	177.5496797	93.69938929	3/21/1992	38.25	0.55
106.9533564	156.443628	69.46312942	3/22/1992	40.66	0.78
176.1721311	236.6658788	128.7644021	3/23/1992	40.33	0.49
105.9655218	144.9579575	78.17823996	3/24/1992	38.47	0.51
115.9367991	169.7110552	76.98828072	3/25/1992	47.24	0.58
53.80437168	105.3601808	20.81852916	3/26/1992	48.23	0.95
131.5319006	191.3985745	86.99035814	3/27/1992	47.83	0.59
147.618354	203.386907	108.4288881	3/28/1992	46.95	0.41
113.0398241	160.7286693	77.44792524	3/29/1992	50.77	0.3
71.16406934	128.3448788	41.52208823	3/30/1992	57.62	0.55
97.02799415	153.9678708	56.2350327	3/31/1992	51.63	0.67
102.0376443	153.982587	65.5759465	4/1/1992	49.22	0.69
193.7546922	254.9357625	150.2322255	4/2/1992	40.33	0.48
191.4653071	249.3246508	150.9077699	4/3/1992	40.46	0.38
110.0697519	149.2461959	80.76390693	4/4/1992	38.14	0.67
152.410679	210.3928805	114.2286917	4/5/1992	45.26	0.51
111.797717	156.332736	82.50934666	4/6/1992	48.5	0.39
79.14129175	131.7548898	49.3238768	4/7/1992	59.28	0.51
57.93506498	98.54920335	28.66762383	4/8/1992	60.76	0.56
52.220393	94.12598212	26.22782696	4/9/1992	62.08	0.57
40.09217853	86.9156695	19.97099734	4/10/1992	71.56	0.5
41.50986437	97.39975879	14.6650746	4/11/1992	73.75	0.53
46.17925215	84.16884285	15.72641168	4/12/1992	67.68	0.66
223.7826558	294.8368293	185.9760251	4/13/1992	46.38	0.46
111.7226716	156.4990356	93.64283083	4/14/1992	49.74	0.55
117.776352	167.8597317	93.65172025	4/15/1992	53.31	0.58
60.57780611	122.3614668	34.19443001	4/16/1992	60.91	0.76
34.29230925	103.1633489	16.87757719	4/17/1992	73.87	0.6
41.78122559	93.48128185	13.20988487	4/18/1992	69.3	0.7
76.38661541	135.2087345	52.81199207	4/19/1992	56.63	0.89
51.16196105	109.1351925	24.25550232	4/20/1992	62.66	0.84
26.20818773	86.65902039	6.235182085	4/21/1992	68.83	0.87
52.42422316	108.9706891	16.26171119	4/22/1992	68.85	0.75
81.93984396	147.1097698	53.47259132	4/23/1992	67.95	0.51
92.81852526	167.1086898	50.53978739	4/24/1992	68.23	0.68
118.7303613	181.5920321	78.07795637	4/25/1992	59.5	0.78
168.261995	232.5478689	125.5342282	4/26/1992	49.53	0.87
145.9653473	198.1337734	112.7274196	4/27/1992	50.75	0.73
173.4878743	237.3914756	141.3031691	4/28/1992	50.8	0.71
156.0979433	214.1729997	131.1422107	4/29/1992	52.2	0.65
151.4119841	216.7283818	124.0839569	4/30/1992	55.69	0.72
113.8871028	171.2516209	92.58405024	5/1/1992	58.63	0.73
141.580869	227.0937514	113.8797126	5/2/1992	72.51	0.54
112.0718892	189.4987828	97.98846646	5/3/1992	71.58	0.5
245.175868	312.3888514	213.2926041	5/4/1992	58.06	0.5
167.7331058	221.1134917	147.3192858	5/5/1992	52.03	0.81
269.1391692	337.0013163	240.9035402	5/6/1992	51.11	0.64
270.8800277	346.2907695	245.9364321	5/7/1992	46.87	0.84
124.4559243	183.3029191	105.5441326	5/8/1992	54.95	0.98

133.2729936	195.4070064	120.4190492	5/9/1992	56.88	0.8
121.8916877	176.1906192	109.6637562	5/10/1992	59.91	0.72
99.19762133	156.8172111	85.01035984	5/11/1992	64.65	0.71
113.0000521	172.4331466	102.9227275	5/12/1992	60.6	0.77
67.60126623	104.56902	59.97766307	5/13/1992	65.18	0.75
71.55318312	115.0029752	60.08422099	5/14/1992	68.5	0.77
65.34067059	115.4389647	54.89034325	5/15/1992	65.93	0.94
62.28333462	109.407266	49.15861825	5/16/1992	65.99	0.96
78.72931567	130.3624895	70.20910899	5/17/1992	66.79	0.88
66.53680383	119.8474389	59.2413491	5/18/1992	69.78	0.87
176.7172533	253.3326721	162.0496553	5/19/1992	62.67	0.8
223.872694	294.1905819	211.7697924	5/20/1992	57.21	0.69
183.9932927	244.1002248	175.1618805	5/21/1992	61.26	0.56
108.6086843	155.8653744	102.479832	5/22/1992	67.32	0.56
82.9791616	136.7306258	64.57616417	5/23/1992	72.18	0.58
125.6473175	196.5557931	100.6457177	5/24/1992	71.74	0.71
256.5826205	337.9538669	230.6095176	5/25/1992	54.23	0.86
197.1889647	257.552948	174.207222	5/26/1992	53.64	0.95
153.9290717	205.8790609	144.2681669	5/27/1992	56.25	0.81
166.6706327	226.5959026	159.4983452	5/28/1992	59.41	0.71
177.1219111	244.239246	166.746718	5/29/1992	60.77	0.68
133.7368671	207.6575451	121.5970013	5/30/1992	62.64	0.98
93.58098882	151.0132074	87.28442347	5/31/1992	67.39	0.84
180.1355611	248.5151302	167.9586711	6/1/1992	65.05	0.7
143.5045949	205.0384853	131.9880703	6/2/1992	64.5	0.77
135.8199846	192.5917496	122.7694724	6/3/1992	66.04	0.77
135.6081545	198.8192419	123.61243	6/4/1992	63.2	0.96
85.49063023	140.2521474	77.82136063	6/5/1992	68.95	0.92
76.62090443	122.9271597	63.12405992	6/6/1992	74.54	0.76
67.31523757	125.7288343	65.79704839	6/7/1992	77.92	0.76
63.03951977	126.7070843	57.47388602	6/8/1992	81.08	0.76
104.2898775	165.967453	95.22570606	6/9/1992	72.13	0.93
168.536934	237.6483112	162.8170654	6/10/1992	70.99	0.72
157.3430552	214.2329539	153.1284886	6/11/1992	69.75	0.68
173.1667417	235.3384302	167.8389332	6/12/1992	69.1	0.66
148.6295054	209.0275878	144.9196433	6/13/1992	69.97	0.69
138.8220953	204.5831311	132.2519971	6/14/1992	71.41	0.78
119.5027061	179.8788088	116.85447	6/15/1992	76.98	0.68
197.9417122	279.5763572	195.3062741	6/16/1992	71.43	0.76
246.3090488	325.6954795	245.6380076	6/17/1992	68.59	0.63
207.2135305	284.2169681	206.0595673	6/18/1992	71.67	0.71
177.8837803	261.3987121	176.0393398	6/19/1992	72.42	0.86
142.0642543	203.5189694	142.7429797	6/20/1992	72.37	0.79
292.8674925	371.4474675	290.5912122	6/21/1992	61.84	0.77
276.3899677	343.7087226	274.9668132	6/22/1992	60.58	0.62
245.3252437	313.3727982	243.4690307	6/23/1992	67.27	0.66
173.9222037	246.997467	170.8123267	6/24/1992	72.51	0.79
102.8296466	154.3861658	102.2206345	6/25/1992	72.18	0.89
121.4699128	179.1966019	120.2136401	6/26/1992	70.88	0.87
155.3994799	217.4287461	153.0619195	6/27/1992	74.12	0.73
185.8849357	245.0591904	184.5082854	6/28/1992	71.84	0.64
164.0818465	224.2278946	162.6387674	6/29/1992	74.3	0.7

164.2799891	238.7782433	162.9345722	6/30/1992	78.03	0.75
131.932776	203.6771518	130.5702132	7/1/1992	78	0.82
140.7869311	199.0353607	137.1842352	7/2/1992	74.35	0.86
200.1617466	272.1553445	200.7759722	7/3/1992	73.01	0.82
124.5248497	182.6095687	122.6482545	7/4/1992	75.92	0.87
165.6967986	229.0642744	165.3044352	7/5/1992	77.07	0.77
141.1726056	204.3015408	141.0409411	7/6/1992	74.44	0.88
263.54567	338.4598079	262.3697136	7/7/1992	72.07	0.7
220.4038211	297.1564268	219.3407025	7/8/1992	75.62	0.73
138.6222391	224.0596645	138.0659866	7/9/1992	84.82	0.73
129.5299004	207.1998423	129.1472129	7/10/1992	86.97	0.68
128.7347258	196.1394754	128.8098534	7/11/1992	85.52	0.68
151.9644537	216.2579996	149.252778	7/12/1992	85.5	0.7
235.5524945	314.1293287	233.2216294	7/13/1992	85.59	0.64
219.7568981	291.2190238	218.9551564	7/14/1992	86.05	0.63
285.5524969	372.8363289	285.3543952	7/15/1992	84.48	0.68
188.5740338	252.6480536	187.4749681	7/16/1992	80.25	0.81
244.1605444	321.7061533	242.5420216	7/17/1992	81.62	0.77
217.0273473	284.9122569	216.2742416	7/18/1992	77.13	0.83
194.3094224	255.6754013	197.0114328	7/19/1992	77.05	0.85
195.8195585	248.8485972	194.8890642	7/20/1992	79.01	0.73
231.1376135	304.0999353	228.7906569	7/21/1992	80.56	0.75
193.0577232	247.0629184	191.2886215	7/22/1992	75.54	0.91
212.299613	277.5360754	211.2500284	7/23/1992	76.64	0.88
213.7655511	278.968746	215.3522066	7/24/1992	74.32	0.92
199.8011268	261.3109702	199.2495472	7/25/1992	75.35	0.88
193.5827068	259.7803019	195.4555227	7/26/1992	75.71	0.9
180.3310039	249.6325921	178.7423643	7/27/1992	78.49	0.86
265.5907687	335.291447	262.8965198	7/28/1992	74.72	0.74
195.6941371	252.49169	193.3548615	7/29/1992	77.08	0.76
197.6391308	257.5759209	195.7029424	7/30/1992	79.03	0.73
245.7976123	328.4786404	242.1116193	7/31/1992	79.88	0.81
342.421181	416.7495243	339.2300557	8/1/1992	70.96	0.7
240.7269059	293.7466718	239.1121897	8/2/1992	70.99	0.73
198.8071723	258.1341016	197.1618622	8/3/1992	75.78	0.79
199.2257431	265.9242405	198.4853279	8/4/1992	75.97	0.84
259.2591894	325.8198811	258.2805269	8/5/1992	72.21	0.73
220.3730011	283.3893571	215.7976548	8/6/1992	70.63	0.83
224.1115721	290.2252111	209.7031829	8/7/1992	73.21	0.75
207.9437449	274.807787	190.7111458	8/8/1992	75.95	0.76
189.7616952	261.8164032	174.1617685	8/9/1992	78.66	0.78
163.3321866	225.7588965	158.3639897	8/10/1992	79.51	0.72
202.2397596	279.4796478	196.6167311	8/11/1992	80.27	0.77
227.778738	295.6305376	217.8658012	8/12/1992	74.62	0.76
251.5094935	319.7245974	246.3699547	8/13/1992	68.1	0.95
264.5691852	340.4251044	261.9392087	8/14/1992	67.97	0.91
258.8710428	339.4248688	254.2702541	8/15/1992	66.39	0.96
195.4664303	262.6583026	191.4670102	8/16/1992	66.56	0.97
152.2220906	214.3439669	149.0887558	8/17/1992	69.36	0.97
123.4583804	181.7214248	121.0892454	8/18/1992	74.22	0.84
162.4160917	227.8835453	154.7364079	8/19/1992	75.28	0.75
217.1175233	291.0003787	211.9247	8/20/1992	71.16	0.76

192.5865137	251.3777963	187.1703547	8/21/1992	70.59	0.73
157.319482	209.6134196	154.9461819	8/22/1992	70.26	0.75
150.0285659	208.6235341	148.2496146	8/23/1992	70.93	0.77
129.6978607	186.6814282	130.2518951	8/24/1992	74.28	0.75
123.0829042	187.7636074	119.9565845	8/25/1992	78.15	0.77
123.0731548	192.8933931	118.5926571	8/26/1992	79.2	0.76
143.845057	213.0423853	141.1144502	8/27/1992	78.13	0.79
264.2962748	363.5920449	261.9448972	8/28/1992	75.13	0.81
290.7272532	367.3723551	288.6394833	8/29/1992	68.91	0.6
240.4426002	304.4831136	238.8198006	8/30/1992	68.8	0.69
198.1673703	270.1788194	197.937503	8/31/1992	74.58	0.72
232.3389926	304.1199458	229.3873954	9/1/1992	71.46	0.66
208.5524728	285.8653256	206.7159179	9/2/1992	73.66	0.76
179.7430967	260.5916434	177.5806761	9/3/1992	75.96	0.82
108.0028543	163.7158267	105.6939913	9/4/1992	76.45	0.84
120.3119632	179.652723	119.0126976	9/5/1992	74.8	0.89
127.0498159	191.6128817	126.296962	9/6/1992	74.4	0.9
127.2044352	187.6462722	122.8709736	9/7/1992	74.08	0.9
114.2365308	167.4263993	113.4344007	9/8/1992	75.58	0.86
117.3042727	174.7236243	115.543005	9/9/1992	78.55	0.81
170.4450957	244.0466336	166.2493038	9/10/1992	77.68	0.8
245.8267636	321.6474352	242.2214953	9/11/1992	69.03	0.8
249.3602943	310.8563049	246.7697047	9/12/1992	62.43	0.73
244.9900491	306.5974222	242.064664	9/13/1992	63.1	0.74
228.3449467	293.0272047	224.6790059	9/14/1992	63.6	0.77
185.959833	246.1572702	181.523957	9/15/1992	65.89	0.78
132.9404557	182.9849084	130.3991076	9/16/1992	68.7	0.81
140.5530108	201.8977062	136.4376739	9/17/1992	73.08	0.78
165.773555	244.9762615	158.360385	9/18/1992	76.7	0.79
182.2917962	255.0529001	173.6187184	9/19/1992	72.81	0.84
208.920981	277.7402312	203.7200677	9/20/1992	69.66	0.79
117.4221722	173.0810287	113.55063	9/21/1992	73.64	0.85
102.9909386	174.5958927	99.01158259	9/22/1992	79.66	0.8
406.9834549	502.9299258	398.2146925	9/23/1992	63.09	0.65
418.0217878	506.2253851	408.5189629	9/24/1992	56.87	0.69
350.7537946	436.1563294	343.7761917	9/25/1992	55.86	0.93
139.9229228	193.924394	138.877728	9/26/1992	65.76	0.8
80.55337862	127.3658752	78.76053515	9/27/1992	73.07	0.88
165.7487339	233.0278488	160.9190935	9/28/1992	66.26	0.9
318.6781919	398.6806267	308.6419504	9/29/1992	59.66	0.68
320.4628459	383.5420018	314.9705085	9/30/1992	51.84	0.66
233.4227042	283.1394545	231.4739569	10/1/1992	51.36	0.71
212.8500277	268.0330871	211.4687474	10/2/1992	55.05	0.72
185.8844925	242.7108903	183.9897799	10/3/1992	60.81	0.7
150.5986093	201.6830146	145.3055481	10/4/1992	56.98	0.95
287.9782034	360.0888666	281.9936423	10/5/1992	54.59	0.73
190.2885656	242.0183685	187.4726588	10/6/1992	49.81	0.78
154.1539892	197.2841901	151.8083633	10/7/1992	53.32	0.79
129.4789877	183.2346224	125.0082785	10/8/1992	63.3	0.77
81.10109144	138.8228792	71.38213908	10/9/1992	68.68	0.9
126.6460176	181.7437441	121.8085986	10/10/1992	64.65	0.76
136.7945933	187.8350217	131.4651501	10/11/1992	58.74	0.91

201.0744518	258.4205666	195.5985553	10/12/1992	54.99	0.73
169.5178507	224.9577995	163.670263	10/13/1992	58.38	0.69
144.4484466	201.1745084	139.1540139	10/14/1992	62.75	0.7
115.1239397	171.1694337	106.0123804	10/15/1992	68.61	0.7
124.2226535	189.6962362	118.3599669	10/16/1992	68.04	0.74
307.0780669	381.4346277	297.7969752	10/17/1992	51.03	0.56
217.1134623	273.1470553	210.762338	10/18/1992	47.56	0.66
297.9645541	362.7613397	289.6046477	10/19/1992	44.89	0.54
216.0653558	270.1812692	210.6006104	10/20/1992	43.78	0.56
187.0782092	240.7098544	178.4693487	10/21/1992	58.17	0.54
153.336073	201.8729483	147.8792858	10/22/1992	50.19	0.72
122.5285693	164.7565142	117.4043919	10/23/1992	49.25	0.75
145.1344765	204.5995296	137.6039093	10/24/1992	58.89	0.7
222.9683245	285.1612276	213.474631	10/25/1992	51.22	0.55
156.0142855	204.1742111	149.4773725	10/26/1992	50.21	0.63
122.9621076	171.7804918	117.7758074	10/27/1992	55.61	0.68
71.33228175	107.9335352	65.35826892	10/28/1992	54.99	0.91
56.02662438	91.54356309	49.26314977	10/29/1992	58.1	0.9
72.06698728	119.5399445	65.06868314	10/30/1992	56.71	0.98
117.8516704	175.4162846	109.8680332	10/31/1992	51.97	0.95
93.49196116	141.0106463	89.45905426	11/1/1992	50.26	0.98
75.99503143	124.553939	68.81549163	11/2/1992	57.82	0.94
73.10048102	125.2130751	66.79973973	11/3/1992	63.06	0.74
62.55848263	109.2031249	55.62073917	11/4/1992	62.33	0.84
85.13304037	138.2216725	77.0635518	11/5/1992	56.44	0.95
190.6803058	249.5582092	181.1979325	11/6/1992	45	0.67
163.149849	213.2693857	154.7073487	11/7/1992	44.92	0.61
165.1226103	214.6030085	156.8446879	11/8/1992	40.48	0.7
137.668257	182.0229171	129.648122	11/9/1992	39.19	0.67
118.9668695	162.9518292	111.4701826	11/10/1992	43.53	0.73
102.8310138	157.1017184	92.80446588	11/11/1992	54.58	0.76
64.74231954	130.7315806	51.5513315	11/12/1992	60.63	0.87
171.6166326	232.6415749	159.5793393	11/13/1992	52.59	0.49
132.1024049	169.8174697	124.499397	11/14/1992	40.54	0.53
167.6091832	215.2336919	158.092723	11/15/1992	37.25	0.58
156.6342776	204.2205845	147.0134165	11/16/1992	33.22	0.58
180.7620049	236.3894661	164.2932057	11/17/1992	45.7	0.51
78.97631772	119.6521686	71.55326583	11/18/1992	54.58	0.58
100.9645139	152.1067175	89.86182247	11/19/1992	46.15	0.93
118.3709953	173.4998002	104.9613776	11/20/1992	46.61	0.78
43.1589895	91.95064484	31.26208022	11/21/1992	60.21	0.79
9.578754406	40.66357003	9.304882188	11/22/1992	67.65	0.83
51.05112898	100.2048394	41.60813958	11/23/1992	66.8	0.65
90.42911194	134.794614	80.06191235	11/24/1992	53.95	0.72
39.49231354	74.21323535	31.00039322	11/25/1992	56.36	0.93
15.18335252	55.5112891	12.47991206	11/26/1992	61.68	0.95
120.8582539	174.110685	108.3953375	11/27/1992	48.19	0.78
119.9114371	165.195218	108.6677478	11/28/1992	45.77	0.67
115.991386	157.7375883	103.8285422	11/29/1992	42.47	0.71
114.7974407	157.0167816	104.8202833	11/30/1992	38.79	0.69
124.1929276	171.8294601	111.4963102	12/1/1992	39.95	0.74
142.2807576	195.8022444	127.765264	12/2/1992	39.21	0.75

176.2087883	237.49036	159.6415085	12/3/1992	41.27	0.52
158.9362828	214.357013	142.2932091	12/4/1992	43.03	0.54
249.2399039	322.2221985	227.6500242	12/5/1992	38.98	0.41
167.9688661	217.8908834	152.9507148	12/6/1992	34.83	0.4
151.5132464	202.663369	137.4393354	12/7/1992	39.94	0.49
132.2260571	180.1278046	119.6659371	12/8/1992	33.63	0.64
127.5115078	169.7984204	114.9295046	12/9/1992	32.36	0.63
113.790279	170.4598659	94.72917836	12/10/1992	41.9	0.86
127.0162374	187.701721	108.4250036	12/11/1992	40.69	0.84
139.4854646	202.4888122	119.7458158	12/12/1992	41.13	0.82
126.7838935	183.3758359	111.0444513	12/13/1992	41.71	0.72
89.12022168	129.3848587	78.80695426	12/14/1992	39.03	0.81
68.41752948	100.1467179	59.29463384	12/15/1992	37.55	0.84
42.52553231	74.92991959	33.23237442	12/16/1992	44.1	0.91
7.988573666	26.2199316	5.401145038	12/17/1992	55.72	0.96
69.00019897	106.7657358	58.15733843	12/18/1992	41.31	0.78
47.52305556	82.22166946	39.87206214	12/19/1992	42.35	0.83
38.01142892	81.27461884	25.5448925	12/20/1992	49.37	0.89
98.89230449	140.8908586	86.59319225	12/21/1992	38.01	0.59
53.12667454	86.80508175	42.12906477	12/22/1992	44.38	0.81
16.45104664	53.64814387	11.66590312	12/23/1992	52.3	0.94
154.0547771	213.3404127	136.1490134	12/24/1992	36.01	0.52
136.9196074	185.3770526	118.9291673	12/25/1992	32.77	0.5
119.5016189	167.6914716	105.0246077	12/26/1992	39.1	0.44
109.0920051	148.3355298	95.60730055	12/27/1992	30.44	0.61
78.72431619	125.432971	65.26187202	12/28/1992	34.97	0.99
32.3804938	71.22655856	20.92232998	12/29/1992	44.26	1
9.247742392	42.64675816	6.103869637	12/30/1992	51.1	0.98
6.781944514	32.57374668	3.874691575	12/31/1992	58.72	0.83
70.58683395	123.9119884	53.04131341	1/1/1993	49.3	0.67
95.44551702	141.4565133	81.54865371	1/2/1993	33.7	0.63
55.89486695	85.21470443	44.07806912	1/3/1993	36.41	0.85
31.05694912	74.53933715	18.44461335	1/4/1993	53.02	0.77
12.43581919	47.91109641	7.470344495	1/5/1993	60.8	0.73
65.83669065	106.5093599	48.91614703	1/6/1993	45.63	0.69
47.11246555	84.71334305	33.70553299	1/7/1993	44.76	0.83
58.99772558	107.4518899	38.35466986	1/8/1993	43.11	0.96
114.1984569	178.7834331	82.85274538	1/9/1993	36.82	0.95
107.9273131	163.5124468	83.74931687	1/10/1993	32.45	0.96
65.96584923	103.9521161	51.42397855	1/11/1993	35.13	0.99
43.50060923	80.99016793	32.56599915	1/12/1993	40.83	0.99
27.53631847	65.15830863	17.68055245	1/13/1993	45.88	0.97
65.48262204	108.2360005	52.20602047	1/14/1993	41.39	0.69
61.01385926	95.32719267	46.34473155	1/15/1993	42.01	0.74
64.19064375	103.3494515	47.65980906	1/16/1993	36.69	0.97
68.53385542	112.3248648	49.69156822	1/17/1993	42.38	0.78
96.08069685	140.9984556	76.37873007	1/18/1993	38.13	0.6
106.1682578	152.8030237	85.91902029	1/19/1993	34.12	0.6
63.68431131	93.29455968	52.02386473	1/20/1993	31.38	0.63
58.31749097	96.43406949	41.29226988	1/21/1993	37.75	0.9
28.87057046	69.68965694	15.82524173	1/22/1993	45.89	0.93
47.90425798	83.80523713	32.21406389	1/23/1993	44.41	0.73

61.71906851	127.4417352	36.69516694	1/24/1993	50.23	0.72
104.3927001	151.5249112	84.27321494	1/25/1993	38.49	0.46
114.8107729	163.46682	90.42642197	1/26/1993	33.7	0.57
100.3008444	151.2208243	78.28861873	1/27/1993	38.01	0.58
88.09186416	136.4990819	63.22143481	1/28/1993	42.39	0.61
111.8451121	174.1977307	79.170584	1/29/1993	46.72	0.45
133.9450134	188.6308112	106.2570963	1/30/1993	37.92	0.4
133.8481212	207.8422747	106.4729449	1/31/1993	51.58	0.27
153.3169658	217.6682789	119.3666188	2/1/1993	40.69	0.42
174.1920511	228.814001	143.9980656	2/2/1993	25.77	0.35
92.75606824	130.2064849	72.65643406	2/3/1993	38.87	0.38
119.2894308	170.7247434	87.98995793	2/4/1993	46.04	0.27
85.93525992	126.8093899	62.9312231	2/5/1993	41.82	0.47
90.59765081	137.9495932	63.72926264	2/6/1993	41.25	0.61
74.92079481	110.0941117	56.23102928	2/7/1993	31.33	0.8
67.48353105	113.2748326	43.23033163	2/8/1993	42.12	0.75
73.15689762	111.9935808	53.75618116	2/9/1993	36.73	0.74
37.88168962	71.92316777	22.51167298	2/10/1993	43.2	0.83
40.22972756	79.52044537	20.97031786	2/11/1993	45.61	0.82
67.12795334	118.5956749	38.90692067	2/12/1993	39.01	0.97
75.13037959	126.9783274	46.83093093	2/13/1993	42.93	0.74
96.63278763	139.916877	70.90477431	2/14/1993	41.07	0.52
72.28412722	107.233593	52.10994058	2/15/1993	37.42	0.67
33.03911629	80.00631758	16.20645736	2/16/1993	46.28	0.94
97.66546845	148.5722528	68.13592506	2/17/1993	43.74	0.5
133.2317325	184.1775725	104.8069449	2/18/1993	34.33	0.44
147.7045237	195.27009	119.6935041	2/19/1993	23.53	0.42
89.50912946	131.8188771	67.37238781	2/20/1993	35.38	0.61
44.22689055	79.2527631	26.45567721	2/21/1993	37.68	0.98
43.51681555	90.07645707	22.22503023	2/22/1993	53.42	0.64
143.8655983	201.777353	112.0793436	2/23/1993	37.92	0.41
135.0291182	180.9997943	106.3617793	2/24/1993	31.13	0.41
102.9905862	141.5307387	81.41904624	2/25/1993	28.08	0.47
85.68252936	128.0073091	62.20483795	2/26/1993	29.61	0.97
113.8702053	163.2059015	86.30962271	2/27/1993	31.2	0.73
105.5474388	149.0698927	82.7771512	2/28/1993	32.09	0.56
73.12029395	106.4283971	54.76077024	3/1/1993	37.71	0.49
44.30010444	86.91981498	30.22093429	3/2/1993	51.62	0.53
7.529451804	36.00295647	6.178603936	3/3/1993	51.11	0.9
26.06145817	84.62082222	16.33111311	3/4/1993	48.3	0.93
46.35556401	87.53865717	26.0127835	3/5/1993	45.58	0.82
80.5183659	126.2190426	54.96641226	3/6/1993	42.24	0.64
65.12547036	106.0290662	41.76521066	3/7/1993	45.67	0.61
76.38204726	140.9478902	52.9740195	3/8/1993	51.95	0.56
94.03036743	144.4330778	62.64858879	3/9/1993	47.25	0.49
70.87309371	114.6487862	47.7222668	3/10/1993	43.61	0.67
111.9236657	166.9572441	81.03069845	3/11/1993	43.29	0.56
89.6353126	129.9875345	67.66097106	3/12/1993	37.92	0.6
135.0982155	202.6977233	93.63070683	3/13/1993	33.96	0.96
220.7510542	292.813063	179.2075053	3/14/1993	28.39	0.43
119.6908967	163.8747331	95.18552761	3/15/1993	28.53	0.41
106.4068604	155.6951546	74.7209059	3/16/1993	41.99	0.58

20.64950959	67.44314337	13.44915865	3/17/1993	49.45	0.92
186.5580544	251.8486283	147.9385172	3/18/1993	30.42	0.49
118.1890987	165.5252164	94.55067991	3/19/1993	31	0.54
69.93485392	107.3647097	49.93208372	3/20/1993	38.72	0.68
38.71314341	76.95086108	26.04954856	3/21/1993	48.38	0.71
40.32297721	77.84339729	26.24794302	3/22/1993	49.83	0.7
22.59949154	60.31935045	15.34742752	3/23/1993	52.94	0.85
7.094914575	21.4011913	7.732714844	3/24/1993	58.69	0.87
40.52312297	89.53151513	18.65580213	3/25/1993	50.43	0.83
30.58114476	63.92435768	17.36074308	3/26/1993	51.93	0.78
46.74806294	96.90439946	21.5569761	3/27/1993	49.21	0.96
13.12854042	49.47912399	10.3622069	3/28/1993	54.22	0.91
14.69470791	53.19347698	10.95821962	3/29/1993	54.77	0.91
25.06721312	66.43951585	16.93986701	3/30/1993	60.17	0.75
39.30165914	97.0800939	20.80801569	3/31/1993	56.04	0.82
13.70886891	64.64935778	16.75592414	4/1/1993	66.35	0.71
52.62712874	103.7674503	26.68630274	4/2/1993	57.12	0.74
140.7637304	204.5243862	87.55177098	4/3/1993	48.91	0.54
100.4882224	146.0097896	64.99389818	4/4/1993	47.08	0.56
124.4738472	184.0799441	73.2635865	4/5/1993	41.71	0.86
155.4649717	225.3393005	97.14546357	4/6/1993	44.94	0.73
126.0315056	184.6388054	82.86840307	4/7/1993	50.67	0.52
102.5710571	154.0304364	65.21992414	4/8/1993	51.99	0.46
59.28123338	111.8665405	27.16135818	4/9/1993	52.59	0.82
60.1941419	125.9571762	19.41904049	4/10/1993	55.45	0.86
108.9248153	167.4831235	66.60286001	4/11/1993	55.34	0.53
124.5849879	184.2678647	81.37346163	4/12/1993	55.54	0.57
118.6594613	174.862988	82.71255089	4/13/1993	53.88	0.56
67.11266999	126.7894252	46.11829111	4/14/1993	62.07	0.63
40.44602915	99.73315621	13.99416198	4/15/1993	70.69	0.66
38.33425864	108.9455403	14.87772485	4/16/1993	66.02	0.82
179.2254681	247.2060487	135.5673917	4/17/1993	55.18	0.49
125.4730917	172.5991908	95.50694581	4/18/1993	52.76	0.53
175.4227289	248.1221867	123.0337611	4/19/1993	60.97	0.48
129.3530309	212.094569	89.78403024	4/20/1993	66.62	0.56
88.23818416	145.1742163	52.87623186	4/21/1993	61.92	0.76
243.0045472	316.4400069	201.2408317	4/22/1993	47.02	0.63
227.3062034	288.0408182	191.8475547	4/23/1993	52.99	0.38
139.0687037	196.2794808	107.8412679	4/24/1993	59.31	0.51
131.3917115	198.4355564	92.52819418	4/25/1993	70.85	0.52
129.1359666	207.3435377	84.52674063	4/26/1993	60.79	0.79
231.4180468	294.3198197	192.0305484	4/27/1993	51.25	0.53
118.266027	163.7965414	96.5985689	4/28/1993	53.01	0.56
89.23487069	125.8813469	69.08840591	4/29/1993	58.42	0.56
127.1980802	177.9455131	104.4037164	4/30/1993	61.9	0.51
84.51890903	136.5478102	59.38489259	5/1/1993	65.93	0.52
70.21050948	116.9765428	65.46365883	5/2/1993	68.94	0.58
95.74904948	153.9997348	66.13563258	5/3/1993	65.91	0.7
65.38073146	121.1953564	49.77004121	5/4/1993	67.53	0.79
50.20553268	109.7755921	38.20929209	5/5/1993	67.29	0.91
51.53906071	98.14873859	44.85303809	5/6/1993	68.6	0.76
112.906353	167.9291952	88.69957979	5/7/1993	67.57	0.63

125.6297217	182.347117	108.2471749	5/8/1993	64.14	0.67
104.3209262	159.6720421	90.95434856	5/9/1993	68.04	0.7
88.7114354	139.358769	75.25541192	5/10/1993	70.66	0.66
94.75737579	159.3732758	85.39465339	5/11/1993	74.92	0.64
92.52958055	162.915156	86.31531886	5/12/1993	74.29	0.69
121.5858953	185.7846326	107.0365894	5/13/1993	67.28	0.84
151.4795585	205.9606659	141.1314764	5/14/1993	62.13	0.77
179.2258079	255.9230216	168.9136422	5/15/1993	69.5	0.68
153.2395769	226.0743896	142.2945023	5/16/1993	72.04	0.69
139.1371487	200.7912916	129.911922	5/17/1993	66.97	0.82
121.8971692	183.4619099	117.0776097	5/18/1993	65.41	0.91
145.1486522	210.247862	140.2961496	5/19/1993	64.75	0.91
253.1723505	326.4350606	247.2040045	5/20/1993	58.98	0.69
236.8511014	295.4566124	235.4644329	5/21/1993	57.48	0.6
240.9698657	304.2496442	238.6274492	5/22/1993	57.83	0.63
166.1130919	220.2140697	165.3848751	5/23/1993	63.77	0.6
224.6295431	306.0235244	220.9090695	5/24/1993	70.83	0.6
147.0261569	221.2607592	145.1445458	5/25/1993	73.06	0.69
149.8964391	205.1914159	147.7052483	5/26/1993	63.47	0.84
145.3963644	199.7693378	141.098164	5/27/1993	67.75	0.71
180.9100202	258.0345055	173.8742144	5/28/1993	74.34	0.65
175.6064337	241.3072441	172.0368384	5/29/1993	73.29	0.61
235.3762115	292.2440743	231.0360554	5/30/1993	64.23	0.59
201.2888842	272.9633972	197.9880428	5/31/1993	68.88	0.77
208.5660194	269.5432542	206.9719788	6/1/1993	65.63	0.7
207.0209341	263.1366473	205.9203443	6/2/1993	64.79	0.66
122.424877	170.7413772	120.5723009	6/3/1993	67.75	0.76
113.2981948	168.9135243	112.4389296	6/4/1993	68.74	0.86
170.9275876	246.0987934	169.3745062	6/5/1993	72.6	0.73
219.2281632	280.5305473	217.9888205	6/6/1993	65.38	0.58
171.545594	235.417181	170.4204621	6/7/1993	71.75	0.66
62.86881267	120.8863511	61.43271649	6/8/1993	79.75	0.76
81.76699771	133.575337	81.67555667	6/9/1993	84.87	0.66
124.615595	192.848336	123.6570635	6/10/1993	84.82	0.57
97.68628333	155.6707395	98.28302202	6/11/1993	78.34	0.73
205.5233262	268.461291	203.922962	6/12/1993	70.21	0.79
207.1442515	271.0712503	206.7212457	6/13/1993	67.22	0.81
205.40794	265.6437969	206.3150516	6/14/1993	67.15	0.79
172.457	238.1012447	172.4275859	6/15/1993	74.61	0.73
151.8595676	215.7913367	151.0962563	6/16/1993	76.87	0.68
141.8727708	198.8316786	140.3232877	6/17/1993	76.66	0.71
127.2275245	196.9452103	128.1790874	6/18/1993	81.45	0.71
111.0803418	173.715596	112.889233	6/19/1993	83.85	0.69
196.2758385	276.0112127	197.307245	6/20/1993	83.79	0.63
247.9643269	330.3757006	249.5770348	6/21/1993	77.3	0.76
242.0729644	308.0510174	243.0020649	6/22/1993	78.46	0.63
298.0258401	364.8354344	299.4615045	6/23/1993	73.74	0.52
247.1367498	306.5229487	248.2504137	6/24/1993	72.42	0.56
268.1572495	339.3212244	269.3474881	6/25/1993	74.8	0.62
196.9930629	265.5214987	197.4637098	6/26/1993	77.63	0.73
264.0696326	336.0514003	265.7434665	6/27/1993	75.79	0.63
223.6398902	290.6486318	226.0161462	6/28/1993	79.28	0.6

194.9929637	256.0293086	195.6843979	6/29/1993	79.71	0.63
204.0957366	267.5798342	204.6566976	6/30/1993	77.78	0.68
185.5175824	249.1741844	186.4566096	7/1/1993	76.01	0.8
202.4117888	272.2542212	203.3750824	7/2/1993	77.67	0.8
175.7590848	242.2997989	176.6385378	7/3/1993	79.92	0.76
127.0807473	180.248484	127.3971428	7/4/1993	81.48	0.76
135.783105	196.205483	135.8392927	7/5/1993	84.87	0.68
158.8278929	213.0181512	159.6998939	7/6/1993	84.31	0.73
189.5014132	237.3495174	190.4877797	7/7/1993	80.58	0.78
172.3205991	210.6314697	173.2219802	7/8/1993	86.88	0.63
171.3711167	213.2372093	172.4099652	7/9/1993	87.22	0.63
218.4281248	267.4394102	219.6791111	7/10/1993	82.8	0.72
223.9080974	275.091015	224.9224397	7/11/1993	85.38	0.63
246.0048598	291.1120428	247.2642589	7/12/1993	85.93	0.59
203.1890805	248.4919462	201.5998151	7/13/1993	83.76	0.71
235.7597799	287.758795	236.3522219	7/14/1993	85.71	0.66
239.3511201	289.336364	239.016399	7/15/1993	82.57	0.69
318.0351041	363.6227614	319.2954009	7/16/1993	79.71	0.54
345.8459615	393.2944941	345.7606782	7/17/1993	77.34	0.52
315.297492	364.0722584	310.8111474	7/18/1993	77.94	0.6
260.9795883	341.2465137	261.9283492	7/19/1993	80.98	0.75
214.8129674	274.8767452	216.0388816	7/20/1993	84.73	0.64
285.4587131	343.0873274	283.9308314	7/21/1993	82.7	0.54
317.4406706	378.1021671	315.7311068	7/22/1993	76.08	0.62
299.5588371	352.9166384	298.5966693	7/23/1993	75.03	0.55
198.0439683	247.7020833	195.5226754	7/24/1993	80.12	0.71
156.5157603	208.6011859	154.9040326	7/25/1993	78.84	0.87
225.6604131	297.8178589	223.9940946	7/26/1993	79.46	0.76
226.7450723	300.8543574	224.9603067	7/27/1993	81.82	0.72
183.6076186	242.1335251	180.4404292	7/28/1993	86.32	0.61
282.7059484	345.5320225	277.8305678	7/29/1993	87.84	0.5
362.2275269	427.9409548	358.1983675	7/30/1993	80.98	0.48
297.3951717	350.5805878	293.8768562	7/31/1993	76.64	0.56
205.9562168	248.5541803	204.4287167	8/1/1993	79.28	0.58
291.6815367	368.3811369	287.8386777	8/2/1993	82.13	0.56
225.8677457	298.9940638	222.0807033	8/3/1993	80.5	0.7
248.7330396	318.0054816	245.2874437	8/4/1993	80.3	0.63
201.4155446	257.8981259	197.8134745	8/5/1993	75.93	0.68
279.5025086	358.0955064	274.180244	8/6/1993	69.9	0.92
247.4527868	316.6239065	243.7416802	8/7/1993	72.34	0.73
211.7473178	272.8764015	206.9498191	8/8/1993	73.41	0.74
204.9825437	269.7898898	202.4282613	8/9/1993	73.83	0.77
218.1134849	286.6327769	212.5629382	8/10/1993	72.92	0.75
210.2870382	277.3155161	205.2863444	8/11/1993	74.53	0.72
183.0769026	246.2131049	178.208385	8/12/1993	74.15	0.82
158.2297051	216.6814344	153.368788	8/13/1993	74.34	0.86
146.1190534	201.5576048	140.6718032	8/14/1993	78.22	0.71
167.661839	231.1930135	159.1671084	8/15/1993	79.45	0.69
187.8889997	255.8061696	180.1989643	8/16/1993	81.75	0.67
203.9959595	280.4714724	195.8882207	8/17/1993	80	0.74
220.0439258	295.4885804	213.2285531	8/18/1993	75.26	0.82
219.6916985	289.9648975	211.8259661	8/19/1993	75.89	0.76

236.9094403	320.7191353	228.9459252	8/20/1993	79.92	0.73
240.1345234	317.0145126	230.8441494	8/21/1993	77.26	0.73
257.3319872	328.1680089	249.2723729	8/22/1993	73.54	0.7
229.1395438	296.2131106	222.8232125	8/23/1993	75.49	0.7
279.0573528	356.9248809	269.9660939	8/24/1993	77.96	0.63
174.6551335	235.5930253	166.4342602	8/25/1993	80.15	0.68
151.6976873	212.6463534	143.7644965	8/26/1993	82.16	0.69
180.7658455	248.25329	173.5669816	8/27/1993	81.37	0.71
195.9987989	264.2068165	185.3958672	8/28/1993	83.79	0.65
190.1493192	256.7126918	180.9379572	8/29/1993	83.37	0.67
208.0903436	272.4354194	198.6952438	8/30/1993	79.61	0.72
202.1732209	267.9449118	194.7331108	8/31/1993	78.55	0.78
164.5050699	226.1084822	157.3634238	9/1/1993	82.33	0.76
169.8951882	234.746375	159.7976285	9/2/1993	84.07	0.73
289.6157031	390.4711081	275.5907958	9/3/1993	86.06	0.65
232.9147026	312.7613893	220.2388215	9/4/1993	78.25	0.86
175.5385129	228.7239223	168.0212433	9/5/1993	75.88	0.86
195.488249	257.0838955	188.2797511	9/6/1993	76.84	0.77
181.1024644	239.7313763	168.6962163	9/7/1993	75.47	0.81
179.3050018	236.0583997	159.2880869	9/8/1993	73.39	0.83
209.4063961	276.9638719	185.8892329	9/9/1993	76.2	0.8
350.7203467	439.3524501	318.4997129	9/10/1993	78.75	0.57
376.4722211	449.4003219	352.1354418	9/11/1993	64.06	0.49
326.231846	400.4514179	291.2387225	9/12/1993	66.62	0.62
234.8685869	305.8675431	207.6612105	9/13/1993	72.86	0.68
203.3499375	278.0386752	168.9244963	9/14/1993	76.89	0.74
203.4795367	288.7100246	161.9994368	9/15/1993	79.96	0.72
134.4799203	197.1878128	102.8821624	9/16/1993	75.51	0.89
128.8452963	184.8304547	101.2849854	9/17/1993	72.41	0.97
174.0939391	234.8818361	143.1749064	9/18/1993	69.64	0.94
262.1995329	331.1935506	225.065212	9/19/1993	66.92	0.73
264.0902312	329.7587092	226.3975767	9/20/1993	65.64	0.71
195.0644242	260.7726199	156.1555637	9/21/1993	69.71	0.86
219.4530717	288.1712577	179.2113529	9/22/1993	68.06	0.81
196.0750584	263.4295756	155.689797	9/23/1993	72.58	0.76
254.1919318	325.9369067	214.3237122	9/24/1993	66.72	0.72
172.1193356	224.0571767	143.1382447	9/25/1993	60.96	0.89
155.8575464	226.9213328	113.5984294	9/26/1993	76.69	0.78
200.3243096	282.8931306	153.5813108	9/27/1993	72.53	0.83
305.1859302	368.6996662	264.2637208	9/28/1993	59.97	0.6
235.6003605	289.6580605	202.4284661	9/29/1993	59.59	0.64
353.8490269	429.2119459	308.3709108	9/30/1993	53.31	0.7
238.229047	290.7462915	205.5500824	10/1/1993	53.16	0.68
258.0667082	320.4581221	215.1375021	10/2/1993	62.53	0.64
217.6853893	279.082534	181.0421065	10/3/1993	63.31	0.62
228.8383384	290.9297268	188.6020093	10/4/1993	63.64	0.65
230.0645045	290.7682546	193.3274409	10/5/1993	61.94	0.6
197.5859818	249.6175976	165.4773788	10/6/1993	58.17	0.68
94.43654787	132.8949632	73.50949155	10/7/1993	63.21	0.79
112.2585329	161.9943046	82.66402002	10/8/1993	64.95	0.89
138.5405077	198.8900473	103.2891585	10/9/1993	68.82	0.74
280.22638	351.8591219	230.779745	10/10/1993	52.24	0.85

274.0374503	339.1559821	230.0666957	10/11/1993	49.89	0.76
208.5505244	268.2443159	167.2061199	10/12/1993	55.15	0.81
151.3920102	199.2422175	122.5067866	10/13/1993	55.43	0.73
122.7301628	167.1804917	98.29720232	10/14/1993	56.88	0.83
110.8762158	150.7090115	87.71320504	10/15/1993	58.05	0.76
112.7401918	157.6266234	84.83696808	10/16/1993	59.14	0.85
71.64981028	113.5489351	43.7857475	10/17/1993	63.27	0.97
117.3535604	164.7234622	84.80502776	10/18/1993	62.91	0.76
105.4011405	155.4482876	74.7177216	10/19/1993	62.31	0.82
51.47499693	107.9927982	22.89193436	10/20/1993	72.58	0.82
80.91994779	155.4016124	42.95129799	10/21/1993	72.62	0.79
195.8534953	251.7345305	161.7280449	10/22/1993	53.87	0.61
229.0766126	284.9332085	187.933494	10/23/1993	50.76	0.64
152.7849915	197.7869764	120.0628831	10/24/1993	49.92	0.68
144.0366466	190.7574666	111.2493044	10/25/1993	54.86	0.64
130.774668	194.4881151	88.62168596	10/26/1993	57.85	0.93
135.2124867	198.7486594	95.18617839	10/27/1993	61.3	0.8
165.2663371	219.4063945	132.0841724	10/28/1993	52.58	0.71
205.9755816	265.5314788	169.2936039	10/29/1993	53.94	0.57
150.752318	212.6736531	117.4411626	10/30/1993	53.09	0.9
180.9797328	239.2688348	148.4436146	10/31/1993	46.74	0.95
290.7186332	361.7278526	257.4534493	11/1/1993	44.49	0.57
168.4693289	212.7280212	151.5381851	11/2/1993	40.62	0.66
196.4145116	248.8660054	174.4940584	11/3/1993	44.55	0.7
137.7594252	185.9328864	120.4550836	11/4/1993	50	0.72
62.22938804	117.2329169	44.96340345	11/5/1993	60.7	0.94
117.5797198	168.8101147	103.9679612	11/6/1993	49.07	0.96
120.3012401	159.415796	110.918283	11/7/1993	41.91	0.78
128.41708	167.2620149	118.8296797	11/8/1993	40.16	0.76
131.2620706	175.1758594	120.9754939	11/9/1993	42.71	0.77
152.450263	199.6301268	140.5425153	11/10/1993	46.71	0.61
147.2570788	195.0522129	137.244285	11/11/1993	46.57	0.61
118.9506338	163.5137813	110.1284143	11/12/1993	54.37	0.53
69.92869544	118.8566207	60.53613533	11/13/1993	61.01	0.67
20.67576385	61.16953786	18.69284953	11/14/1993	69.67	0.77
22.07686413	63.98902988	18.91108779	11/15/1993	75.12	0.64
103.9492744	165.4490296	92.35436613	11/16/1993	61.33	0.61
57.07452482	104.9413307	48.18507768	11/17/1993	61.59	0.86
150.9225456	209.7803973	141.3995175	11/18/1993	54.05	0.68
106.9522418	155.2972541	102.5139742	11/19/1993	53.91	0.79
189.918725	247.3128752	182.0037733	11/20/1993	50.21	0.53
136.9206463	179.3861238	132.5708771	11/21/1993	40.03	0.59
99.82948189	138.5803403	95.41698114	11/22/1993	49.24	0.66
108.4332501	153.0556095	105.4817971	11/23/1993	47.16	0.72
95.06403259	135.8756182	92.1513943	11/24/1993	50.02	0.65
167.373924	232.8569391	160.6494913	11/25/1993	46.09	0.8
139.8518641	196.7190338	135.1697641	11/26/1993	46.53	0.75
43.26530638	103.9083148	37.70526755	11/27/1993	59.16	0.94
136.5997614	203.100597	130.6037575	11/28/1993	58.81	0.59
137.2910232	180.0606527	133.7915399	11/29/1993	40.29	0.57
167.9146426	217.6177301	164.8593604	11/30/1993	38.54	0.64
147.846795	200.2282554	146.1734938	12/1/1993	39.1	0.75

86.0623455	117.3156437	84.9739763	12/2/1993	44.38	0.79
78.60209664	115.4245962	80.82444751	12/3/1993	50.04	0.75
57.34860603	105.0828178	56.60528711	12/4/1993	53.45	0.9
82.27279009	148.1087903	78.52719799	12/5/1993	56.43	0.79
102.200305	146.7658384	101.1718554	12/6/1993	43.99	0.75
96.16232882	131.3714536	98.60153999	12/7/1993	43.08	0.69
90.97677147	130.6952339	93.94028926	12/8/1993	43.87	0.72
96.36566809	135.5454662	95.81732672	12/9/1993	42.83	0.74
97.18453126	152.9923202	93.669684	12/10/1993	49.88	0.82
202.2418042	270.7078577	199.7211111	12/11/1993	41.88	0.56
228.5714269	289.40391	228.2407935	12/12/1993	31.81	0.41
155.2618033	203.6822276	155.2640335	12/13/1993	40.82	0.39
99.58039821	137.0661836	101.1321633	12/14/1993	40.88	0.58
97.10638979	149.6268657	96.47379475	12/15/1993	43.57	0.92
90.22853016	145.0789248	87.20336294	12/16/1993	47.67	0.8
96.54373315	131.4185365	95.01617019	12/17/1993	37.22	0.73
81.02783002	123.011332	82.16200341	12/18/1993	42.33	0.87
87.79533204	128.7763015	90.20082266	12/19/1993	43.51	0.71
71.88996294	103.4239465	71.9393918	12/20/1993	37.33	0.85
136.0208779	190.8195344	135.1830272	12/21/1993	40.01	0.71
114.7203116	161.625506	115.6537409	12/22/1993	35.12	0.63
86.4976399	123.5408912	85.97508532	12/23/1993	36.37	0.8
88.6682468	127.3965063	90.41285372	12/24/1993	33.76	0.8
99.79718323	141.3659277	100.7076527	12/25/1993	31.51	0.85
174.5318219	229.1515583	171.7967427	12/26/1993	31.54	0.41
102.8496182	141.8578074	101.9534077	12/27/1993	31.16	0.69
109.6498124	152.2391101	108.6514722	12/28/1993	27.45	0.9
114.0311304	150.8895177	111.5393166	12/29/1993	24.53	0.94
128.1207177	160.8563833	129.8623263	12/30/1993	23.76	0.62
106.4083569	140.6198809	107.8792467	12/31/1993	24.89	0.72
81.51385198	112.555095	83.21759333	1/1/1994	33.55	0.77
48.46340101	79.59582374	46.12423519	1/2/1994	42.82	0.77
72.4729071	116.3363361	71.36660005	1/3/1994	39.41	0.81
71.37757094	116.949886	69.95981151	1/4/1994	40.37	0.84
97.13082847	139.8247442	96.37125962	1/5/1994	36.72	0.59
80.45943394	118.4781786	80.73923885	1/6/1994	41.17	0.6
27.20385434	56.84838777	30.50029454	1/7/1994	54.92	0.62
88.7681436	131.9115602	88.81257614	1/8/1994	40.54	0.62
103.4922171	139.46179	102.9897745	1/9/1994	26.11	0.5
99.10622599	132.2456903	99.28277993	1/10/1994	26.11	0.58
56.11149573	84.09975598	56.29926936	1/11/1994	34.85	0.79
38.79710116	72.51407064	40.59894579	1/12/1994	39.31	0.97
36.92330527	65.84648177	36.57102657	1/13/1994	37.84	0.93
75.21167849	116.9451189	70.60020593	1/14/1994	36.97	0.74
177.483412	224.1038676	174.0875498	1/15/1994	17.02	0.4
132.5394404	168.9017255	134.1517741	1/16/1994	13.97	0.39
79.31131318	110.7661728	82.18098557	1/17/1994	26.62	0.76
97.46571762	137.7103896	102.6761968	1/18/1994	24.46	0.82
119.5796606	159.6208202	120.9485833	1/19/1994	5.84	0.7
90.28529621	123.6467805	90.86607838	1/20/1994	15.87	0.8
89.97941336	123.4735433	91.63285558	1/21/1994	17.84	0.73
71.31822716	107.4696698	73.93693052	1/22/1994	31.84	0.69

57.86085483	95.0261687	52.8469941	1/23/1994	38.17	0.67
22.18972508	45.72985501	18.01828698	1/24/1994	52.06	0.65
22.57698265	58.92983464	22.30678477	1/25/1994	45.13	0.78
46.54275609	87.21529255	46.33020554	1/26/1994	38.26	0.91
72.0674122	114.7825514	71.89829459	1/27/1994	29.32	0.98
18.54112256	52.3701117	18.0398032	1/28/1994	43.34	0.96
26.60909998	58.45529225	26.54716447	1/29/1994	43.47	0.82
70.2688674	111.6541743	71.08667349	1/30/1994	35.4	0.75
64.48657085	100.6236817	64.59702708	1/31/1994	32.23	0.74
61.60325464	93.45314492	61.33805843	2/1/1994	32.4	0.74
87.95498103	129.6768039	89.03205313	2/2/1994	27.97	0.66
96.5485806	146.1321058	96.55476824	2/3/1994	34.49	0.57
68.50482842	107.419027	68.68405982	2/4/1994	40.24	0.47
34.12929378	70.93373146	34.06717401	2/5/1994	42.91	0.77
37.13815106	72.71958817	37.63267514	2/6/1994	40.73	0.79
42.858522	75.22514771	41.74449452	2/7/1994	42.25	0.61
48.94061474	83.59600664	49.21707131	2/8/1994	37.95	0.8
27.00577	71.06537809	26.71492959	2/9/1994	44.01	0.93
133.7277845	188.0422006	132.4893027	2/10/1994	23.16	0.67
75.55616615	122.703208	75.83400797	2/11/1994	29.59	0.93
54.55364528	91.10355898	57.25172854	2/12/1994	29.99	0.94
47.74122091	82.72476653	47.02571547	2/13/1994	34.91	0.92
88.73702784	135.8152208	88.55863833	2/14/1994	37.99	0.54
77.5100568	130.7894943	75.47438647	2/15/1994	43.81	0.47
74.73141071	116.0827745	71.69704767	2/16/1994	43.72	0.4
53.40673373	85.65548177	54.93385087	2/17/1994	40.59	0.54
44.50393982	86.81271638	47.47061201	2/18/1994	48.03	0.49
21.72077752	55.41827981	25.14459597	2/19/1994	51.72	0.68
10.19058181	38.48003079	12.59675975	2/20/1994	55.99	0.75
6.290928822	20.69671039	8.92514557	2/21/1994	55.75	0.89
51.03381252	95.58691979	47.94841891	2/22/1994	47.59	0.71
60.63197228	105.7597117	61.58103574	2/23/1994	39.78	0.92
79.83053452	136.6941813	80.19590982	2/24/1994	44.85	0.69
90.45990115	141.6188052	92.39314638	2/25/1994	44.83	0.49
167.6126235	238.0473134	170.9351301	2/26/1994	39.83	0.41
156.0613293	212.289376	158.6188403	2/27/1994	27.97	0.36
100.4034018	140.680088	102.660999	2/28/1994	31.06	0.45
79.89164458	122.1571074	81.5717089	3/1/1994	35.92	0.73
78.18233613	137.2913327	79.3043242	3/2/1994	38.72	0.93
92.48448774	147.8635358	91.77654699	3/3/1994	37.83	0.81
79.90651337	139.4007999	81.87413988	3/4/1994	50.08	0.52
64.20058612	107.4725501	63.50435594	3/5/1994	46.9	0.57
70.99437803	110.9159027	72.73878208	3/6/1994	43.63	0.6
37.40465587	85.08239499	37.51631465	3/7/1994	59.71	0.6
11.18535495	52.63984134	15.80125234	3/8/1994	61.28	0.73
95.68350131	141.5225017	96.23932324	3/9/1994	39.58	0.76
67.5205379	109.5506165	71.94391151	3/10/1994	42.62	0.87
170.9294824	230.2307749	173.4200861	3/11/1994	40.04	0.43
101.5943478	144.0173266	104.8567394	3/12/1994	40.43	0.49
95.05111573	146.6156477	97.7114207	3/13/1994	47.53	0.56
71.35411909	121.8881104	72.44539918	3/14/1994	50.44	0.52
68.85575359	125.2099166	75.30878422	3/15/1994	55.84	0.47

172.2897749	238.6266124	172.310422	3/16/1994	44.43	0.36
181.7872887	242.4818059	184.2647543	3/17/1994	36.99	0.3
125.3739914	180.000897	125.7971344	3/18/1994	47.05	0.48
127.3188564	180.104935	128.6235843	3/19/1994	47.38	0.41
80.35042197	120.7035352	81.64455184	3/20/1994	48.67	0.45
57.07020082	94.5801978	59.1347229	3/21/1994	47.9	0.77
73.33164659	128.5648643	73.49786145	3/22/1994	53.64	0.54
83.03576667	133.3025482	85.19225004	3/23/1994	62.52	0.39
17.37894939	60.53707496	22.4537434	3/24/1994	68.41	0.58
51.49823545	107.1082451	56.82512092	3/25/1994	56.3	0.73
132.2380606	183.9840688	135.2116873	3/26/1994	43.72	0.55
35.91816985	81.51022137	38.6238673	3/27/1994	56.25	0.86
14.48275884	43.8263182	21.16981397	3/28/1994	61.27	0.9
91.63554481	145.0204565	98.39562318	3/29/1994	49.98	0.75
107.8545995	156.4405895	111.4477178	3/30/1994	48.46	0.51
79.23477536	132.4023769	84.41709523	3/31/1994	48.72	0.82
116.0784652	170.7990219	118.9487497	4/1/1994	51.46	0.6
109.7106486	165.7670549	107.6726079	4/2/1994	56.37	0.51
116.0496786	181.7707911	106.7191136	4/3/1994	63.34	0.48
121.9296284	174.9978112	113.723946	4/4/1994	54.5	0.51
81.23889461	137.9911746	77.01406089	4/5/1994	58.63	0.64
34.58805197	86.41406193	37.24438179	4/6/1994	63.37	0.79
160.9532371	230.0383912	166.6505222	4/7/1994	56.47	0.54
156.8657229	206.494899	158.9677165	4/8/1994	46.78	0.44
129.7119083	187.2694883	137.5439675	4/9/1994	55.47	0.57
71.94154801	132.1018193	74.0750293	4/10/1994	69.86	0.58
113.2499573	170.5542042	118.2504426	4/11/1994	56.83	0.6
67.54526762	116.4261056	73.1292668	4/12/1994	62.16	0.64
20.45967764	69.29276973	31.65969403	4/13/1994	69.3	0.79
83.41517391	132.1959337	90.70098589	4/14/1994	68.79	0.52
78.41844028	127.5364693	83.18608716	4/15/1994	69.86	0.6
139.452891	223.4357359	142.9313499	4/16/1994	67.37	0.55
165.7343442	225.0536635	168.6756176	4/17/1994	61.7	0.4
149.5781546	205.0244462	156.1859338	4/18/1994	62.84	0.41
145.1639162	203.6371336	154.8933165	4/19/1994	74.42	0.38
111.4643217	178.3512977	117.9603965	4/20/1994	69.01	0.46
146.0227856	195.5851134	151.5395351	4/21/1994	61.07	0.52
194.039428	255.0065965	201.0509374	4/22/1994	49.42	0.71
193.5462752	249.8793718	198.3582008	4/23/1994	53.03	0.59
176.5810806	245.2332856	177.3374815	4/24/1994	65.29	0.47
92.71044656	142.4527903	96.94166577	4/25/1994	72.3	0.48
75.67746599	122.0694484	79.66364131	4/26/1994	74.46	0.58
57.22425955	112.932574	58.62416584	4/27/1994	73.7	0.74
85.13849652	145.4494309	78.95525804	4/28/1994	71.12	0.68
86.5209778	135.742347	84.720461	4/29/1994	69.37	0.8
78.16642461	142.1370586	80.5776007	4/30/1994	71.79	0.78
184.143715	264.0244669	185.2247072	5/1/1994	68.92	0.69
279.2672977	347.1397438	283.310371	5/2/1994	53.93	0.55
237.0719888	299.0848055	240.9650396	5/3/1994	55.67	0.66
225.7557735	296.0854923	225.8858782	5/4/1994	51.09	0.95
174.9625247	236.4631388	176.0474614	5/5/1994	57.44	0.81
180.1389958	245.1436331	181.3768178	5/6/1994	61.83	0.66

134.2203437	192.3820895	137.2114068	5/7/1994	64.87	0.68
186.8298403	256.1477508	187.8860869	5/8/1994	61.83	0.67
196.1169966	257.4143245	197.3671178	5/9/1994	61.53	0.59
139.9556919	186.4005194	139.4246507	5/10/1994	60.74	0.65
166.6879075	221.1325486	169.2455249	5/11/1994	63.86	0.57
239.815281	319.3134491	240.4155444	5/12/1994	68.1	0.55
234.4069837	291.7580237	232.5228492	5/13/1994	58.17	0.51
152.7072004	198.8249939	151.054439	5/14/1994	62.93	0.62
128.2759626	206.7402502	128.8346788	5/15/1994	72.33	0.65
174.6691528	247.0362592	175.9554418	5/16/1994	72.01	0.56
277.7723493	349.103083	278.8739353	5/17/1994	59.24	0.57
231.0402159	287.6203877	233.272383	5/18/1994	57.19	0.6
209.809693	267.6284023	209.1903394	5/19/1994	54.45	0.75
194.9406437	251.2069038	196.9538125	5/20/1994	52.28	0.8
181.5659292	240.7588986	181.9493875	5/21/1994	58.49	0.67
137.7839833	188.5909172	137.5304398	5/22/1994	65.53	0.58
106.6252016	173.3210351	109.0509352	5/23/1994	76.5	0.48
107.4418233	177.2569743	109.9583285	5/24/1994	76.88	0.51
97.22544624	153.6265991	97.51334821	5/25/1994	73.13	0.71
116.6388443	180.3853933	117.3135177	5/26/1994	72	0.78
279.2730516	349.2302683	284.1842141	5/27/1994	61.2	0.57
216.3714153	272.7341021	218.384246	5/28/1994	59.91	0.53
207.223802	269.637842	209.4578026	5/29/1994	66.84	0.59
169.9212646	233.2856272	172.8217722	5/30/1994	70.01	0.61
128.8258581	189.841687	131.6383804	5/31/1994	71.43	0.67
112.2485108	183.6287363	113.2675134	6/1/1994	78.46	0.62
216.5967788	282.3180466	213.5601357	6/2/1994	68.61	0.53
213.4762172	276.838779	202.155271	6/3/1994	66.35	0.56
162.5258855	215.2510614	151.5150287	6/4/1994	70.83	0.59
166.4006623	226.2750932	149.9911531	6/5/1994	72.63	0.67
144.8982364	218.9496673	127.0118338	6/6/1994	76.44	0.73
90.50560823	158.885603	71.42584335	6/7/1994	80.57	0.72
138.3016075	198.4353619	119.3589335	6/8/1994	74.75	0.73
239.8115002	304.5819899	217.5103628	6/9/1994	67.95	0.6
153.1377733	206.1557184	139.1003394	6/10/1994	69.16	0.71
140.2691809	196.4137053	126.3002918	6/11/1994	69.85	0.83
111.868461	175.6529922	102.6268279	6/12/1994	77.17	0.75
105.1909248	176.0767992	91.65082799	6/13/1994	80.93	0.71
101.708814	165.1191074	92.84760519	6/14/1994	84.25	0.65
83.50396034	149.9799138	79.13478033	6/15/1994	85.08	0.63
125.9381289	180.4314003	116.1271972	6/16/1994	77.87	0.79
161.6836688	219.9370056	148.9874376	6/17/1994	75.96	0.81
134.7859865	184.7649598	125.0011966	6/18/1994	80.21	0.7
146.7849769	211.2466616	133.4415662	6/19/1994	83.62	0.63
208.5593952	294.0931048	195.4873849	6/20/1994	82.88	0.66
179.1911856	255.6651796	168.5078285	6/21/1994	82.03	0.71
217.5291117	291.4600342	208.067854	6/22/1994	81.47	0.63
180.5246175	253.0434374	172.9867724	6/23/1994	80.7	0.74
263.9478378	359.8970139	255.5878144	6/24/1994	83.3	0.68
398.4852114	496.659927	392.6957576	6/25/1994	81.46	0.52
336.8395332	422.0681172	331.6731192	6/26/1994	80.25	0.57
369.1119302	459.1904496	362.9280904	6/27/1994	76.68	0.69

267.6381195	339.3286139	263.7049605	6/28/1994	78.64	0.66
278.6468764	356.7200423	271.6179988	6/29/1994	82.2	0.63
288.4935867	365.2724637	285.6766946	6/30/1994	74.01	0.78
164.6901662	210.6831923	163.2743082	7/1/1994	77.1	0.71
198.8413084	262.1739148	195.573718	7/2/1994	81.11	0.67
210.6059042	278.048989	210.2800796	7/3/1994	79.83	0.73
172.2518191	220.6217218	170.123409	7/4/1994	77.6	0.8
145.34791	195.5356582	143.0359538	7/5/1994	80.68	0.75
187.7439029	251.8470722	184.3296111	7/6/1994	85.08	0.66
224.3289202	298.4850512	220.2700521	7/7/1994	85.29	0.65
294.3777728	378.0539964	290.8175366	7/8/1994	85.83	0.61
281.127581	358.3152849	276.6623055	7/9/1994	85.09	0.62
207.2167385	255.4661082	204.1616407	7/10/1994	79.76	0.77
261.5307966	312.1501607	258.5160893	7/11/1994	76.99	0.69
198.9896515	248.5828441	197.4567518	7/12/1994	80.71	0.7
257.8096482	330.8561333	253.1913966	7/13/1994	79.88	0.74
260.8537226	339.6951442	256.1417057	7/14/1994	83.28	0.69
200.8034815	263.5969935	196.899879	7/15/1994	81.97	0.74
199.8129223	253.7286631	195.7611507	7/16/1994	77.94	0.83
174.3849536	225.6032434	169.5117497	7/17/1994	78.69	0.83
150.2759516	185.9998086	146.4032071	7/18/1994	79.17	0.83
175.2064656	214.0104397	171.4301374	7/19/1994	79.46	0.81
199.8577556	244.2264264	195.3553709	7/20/1994	80.32	0.79
289.3649806	361.5442761	282.024498	7/21/1994	78.88	0.83
279.8884093	365.2922615	270.6127271	7/22/1994	79.3	0.82
262.9769375	340.1079954	256.5847725	7/23/1994	77.49	0.84
180.7590986	229.2934708	175.418267	7/24/1994	79.61	0.79
211.8337572	278.9180096	205.2698717	7/25/1994	81.34	0.76
248.0232644	313.3974333	239.1846384	7/26/1994	76.92	0.86
267.8860993	340.8608107	258.3687335	7/27/1994	75.26	0.87
243.5514788	310.8899026	235.5122954	7/28/1994	74.64	0.89
190.9368739	253.4428062	185.8830138	7/29/1994	74.92	0.89
193.777241	259.9873963	188.027356	7/30/1994	77.71	0.82
171.5380396	230.7010945	164.633151	7/31/1994	76.96	0.84
151.7352798	205.0290127	145.522409	8/1/1994	76.61	0.85
158.8996032	217.2144078	151.5365921	8/2/1994	79.17	0.81
152.2403267	210.0671665	145.8759445	8/3/1994	78.63	0.83
244.6694568	322.6985409	233.1978765	8/4/1994	81.22	0.73
290.2174064	378.1999855	278.2647716	8/5/1994	76	0.83
374.6342988	449.3015705	364.1728136	8/6/1994	65.25	0.7
277.1411303	340.6181862	268.3682653	8/7/1994	66.78	0.72
235.520974	296.2496994	226.9083603	8/8/1994	68.77	0.73
206.1908825	265.476262	197.0446839	8/9/1994	72.42	0.71
188.0861462	254.8963131	177.5095763	8/10/1994	76.21	0.76
190.7515166	263.7481379	179.9718551	8/11/1994	79.02	0.74
191.5518357	266.4209361	178.0286518	8/12/1994	81.39	0.75
242.5859291	333.4828217	229.1583441	8/13/1994	83.33	0.68
275.5815351	366.8469486	259.5891292	8/14/1994	81.54	0.72
244.7873764	305.1731644	233.2286319	8/15/1994	70	0.8
203.006932	256.5994305	194.1309221	8/16/1994	68.36	0.92
201.4574529	282.2789983	189.5123809	8/17/1994	76.98	0.87
203.1306398	270.3008221	188.5982212	8/18/1994	77.63	0.73

154.5793656	213.3922694	144.4136859	8/19/1994	76.41	0.82
196.3987145	266.7303557	188.047086	8/20/1994	76.94	0.77
210.2314054	291.5298632	196.0591664	8/21/1994	77.1	0.82
265.8351621	337.71999	251.433763	8/22/1994	71.76	0.79
270.9415041	332.2401315	259.3471234	8/23/1994	67.99	0.68
230.6456763	290.081505	221.855595	8/24/1994	67.53	0.71
227.4281542	292.9259511	215.0384232	8/25/1994	70.33	0.75
163.7188055	222.0195097	152.1452893	8/26/1994	76.07	0.74
145.8389269	203.059008	133.3821069	8/27/1994	76.4	0.78
166.5003097	229.9166006	154.9570802	8/28/1994	77.32	0.75
203.9856778	279.2676455	187.945569	8/29/1994	77.2	0.76
214.0458564	277.8467366	200.6641498	8/30/1994	72.58	0.69
211.1887007	279.1528249	197.3407203	8/31/1994	74.77	0.76
224.0538072	296.6998981	211.2279946	9/1/1994	75.88	0.69
273.3404699	338.7634291	257.4111475	9/2/1994	66.82	0.71
356.3637224	433.2817358	336.9436832	9/3/1994	64.83	0.67
329.6980149	405.1443246	314.3908743	9/4/1994	63.49	0.68
254.0751223	314.0045225	240.1772055	9/5/1994	64.5	0.67
191.918765	248.6033892	176.4225485	9/6/1994	69	0.76
185.6571832	245.2242393	172.0788638	9/7/1994	70.97	0.67
208.0139436	265.1418243	193.700164	9/8/1994	68.76	0.61
172.9366891	230.106676	157.877503	9/9/1994	70.66	0.73
174.8720792	232.1587943	152.0664068	9/10/1994	70.08	0.74
242.0059137	304.0935804	217.1423253	9/11/1994	66.63	0.7
229.3655016	286.9111069	210.8153578	9/12/1994	64.03	0.66
191.2022238	246.0398823	173.5916071	9/13/1994	69.04	0.62
182.6721533	244.4756128	161.7551449	9/14/1994	74.04	0.58
122.5168815	181.5265159	103.0752248	9/15/1994	77.82	0.67
150.1050035	216.3931655	123.108544	9/16/1994	78.22	0.67
172.3915477	248.8272372	142.0350942	9/17/1994	76.78	0.76
276.3154508	354.7921098	239.2704377	9/18/1994	70.65	0.66
246.1369094	304.8311743	217.2262782	9/19/1994	64.57	0.66
203.9155418	258.4010078	180.3667332	9/20/1994	65.17	0.69
213.8611108	276.3035664	186.4497851	9/21/1994	63.57	0.76
287.1100011	376.9032625	241.8378087	9/22/1994	62.64	0.93
191.1162097	249.4802249	159.2037669	9/23/1994	66.39	0.76
112.7431569	158.8373677	89.28101551	9/24/1994	69.29	0.82
100.3314301	155.9521688	74.93809554	9/25/1994	71.75	0.87
107.383306	169.0337504	79.34466153	9/26/1994	73.11	0.86
161.863768	228.6728448	130.7274889	9/27/1994	70.57	0.74
199.9010409	257.482845	166.1015644	9/28/1994	66.96	0.69
296.6007896	368.0606217	253.2271556	9/29/1994	62.94	0.59
204.0666739	257.3660188	172.8384325	9/30/1994	61.11	0.66
195.2069897	258.403424	160.2867922	10/1/1994	69.13	0.67
145.1756581	202.6088691	115.7397563	10/2/1994	64.96	0.84
267.4352324	331.0065853	230.1353317	10/3/1994	55.86	0.67
240.5569952	300.0698689	205.8038418	10/4/1994	53.08	0.7
229.5311296	284.8376417	194.9430758	10/5/1994	55.35	0.68
189.7230329	240.7700589	159.8510266	10/6/1994	54.83	0.67
157.5384731	202.0403435	126.9189265	10/7/1994	56.26	0.7
131.3211802	177.8605261	100.0152864	10/8/1994	60.7	0.78
124.375541	183.6141833	87.10367424	10/9/1994	69.45	0.73

250.9462416	318.4805046	207.6419548	10/10/1994	55.92	0.65
242.5880038	301.243685	207.5199811	10/11/1994	49.88	0.64
216.1241259	276.3547026	184.7562759	10/12/1994	51.88	0.75
160.9304171	216.5599039	135.1733246	10/13/1994	58.28	0.79
124.8812746	177.1758497	99.99377342	10/14/1994	59.1	0.96
200.9472655	268.1351142	177.5329388	10/15/1994	57.36	0.77
180.1512655	233.7444505	161.8668139	10/16/1994	53.54	0.68
163.8986663	209.5303057	148.0423076	10/17/1994	53.17	0.64
139.6913601	186.0021574	126.4187538	10/18/1994	56.01	0.69
135.4229363	187.5128868	120.5444401	10/19/1994	57.67	0.78
92.49077964	140.974603	77.6117409	10/20/1994	61.58	0.85
115.9290103	162.0706407	102.0133461	10/21/1994	58.73	0.76
108.687463	154.4569803	97.58486262	10/22/1994	59.25	0.75
66.72320751	107.064973	56.4444052	10/23/1994	63.06	0.89
116.0712572	160.8282503	105.81976	10/24/1994	58.66	0.68
135.2020753	186.2774742	124.9996605	10/25/1994	57.28	0.68
184.9853548	243.3827466	173.4955431	10/26/1994	45.53	0.89
171.2487048	225.8844495	161.932362	10/27/1994	46.06	0.72
145.8646381	194.8026086	139.9208997	10/28/1994	48.96	0.68
112.7069188	160.6469089	107.9205743	10/29/1994	55.62	0.74
73.88231458	121.9535513	66.48893562	10/30/1994	63.13	0.76
44.92111333	93.28913025	39.31490055	10/31/1994	62.82	0.97
149.6000055	225.4751041	140.0645545	11/1/1994	62.12	0.74
205.8505743	269.2362885	197.4630925	11/2/1994	54.46	0.47
127.0588181	167.544668	121.7589402	11/3/1994	53.47	0.57
146.1453962	202.286637	141.4585857	11/4/1994	58.16	0.58
104.829257	170.1386798	100.0509494	11/5/1994	62.69	0.75
74.46796719	137.0989882	66.81015895	11/6/1994	65.71	0.82
183.8172528	243.9138961	181.7118167	11/7/1994	53.53	0.5
172.6734045	231.4803077	171.4713723	11/8/1994	54.62	0.52
131.1566968	185.5761901	127.9648922	11/9/1994	61.15	0.56
155.7838908	211.7828998	152.9143675	11/10/1994	47.66	0.86
189.4643707	244.2014097	186.4673159	11/11/1994	42.47	0.63
138.7306343	183.2772842	134.0971443	11/12/1994	43.34	0.63
104.8999372	146.9029243	103.7458847	11/13/1994	50.93	0.64
93.73273743	138.3461837	91.41244101	11/14/1994	56.2	0.7
66.9875181	104.4480831	65.67962285	11/15/1994	57.84	0.76
138.796758	206.7500558	134.7020213	11/16/1994	53.28	0.82
138.4379112	213.9080369	135.3693073	11/17/1994	51.59	0.96
70.3558299	138.5195383	67.7227593	11/18/1994	59.05	0.95
160.5486801	221.2009642	161.2115308	11/19/1994	58.13	0.51
137.0963937	189.0855712	137.8651973	11/20/1994	52.49	0.56
40.75758671	86.29393138	41.67157431	11/21/1994	59.05	0.95
139.1375541	193.6645882	137.7878364	11/22/1994	55.58	0.53
234.933706	296.1619626	233.7744488	11/23/1994	44.11	0.27
178.6191163	230.9294718	178.2994843	11/24/1994	36.94	0.56
143.4757674	190.6701779	142.3115074	11/25/1994	43.8	0.59
117.0412713	160.5011381	118.677099	11/26/1994	46.31	0.55
106.5174562	153.2093254	105.0731133	11/27/1994	44.42	0.81
61.93190609	112.4432966	59.0048793	11/28/1994	55.43	0.89
92.4258133	132.6129588	91.94913576	11/29/1994	46.67	0.72
96.82829719	135.9590989	96.20745693	11/30/1994	47	0.69

119.5140331	163.4650757	118.9637061	12/1/1994	39.51	0.68
110.9456308	155.0904432	109.8431327	12/2/1994	42.49	0.69
87.86241049	132.1903729	86.44463469	12/3/1994	51.3	0.68
18.35492117	52.64962019	19.22577024	12/4/1994	60.58	0.85
8.375787637	31.73621864	9.594013366	12/5/1994	65.76	0.88
25.68042045	55.8677857	27.78220203	12/6/1994	58.42	0.83
61.88541407	131.3650404	61.55739904	12/7/1994	62.45	0.69
183.4830871	248.3319772	182.5522205	12/8/1994	42.19	0.52
118.1738602	161.4139529	118.1217262	12/9/1994	44.25	0.66
74.55664126	117.8955817	74.3918007	12/10/1994	47.32	0.96
163.7443325	230.7136784	163.8990299	12/11/1994	42.17	0.69
170.0481495	226.4173631	168.4206399	12/12/1994	32.52	0.59
143.073362	199.5991744	142.8363838	12/13/1994	36.76	0.76
106.0847708	161.3651363	108.0226738	12/14/1994	42.71	0.86
123.4131097	177.6007854	123.2738389	12/15/1994	41.57	0.74
100.5640978	145.4349812	99.64768637	12/16/1994	41.43	0.77
61.00128804	98.44615521	59.66008297	12/17/1994	46.96	0.86
74.10478818	119.8908979	72.58412752	12/18/1994	47.64	0.79
111.3241081	158.6772819	109.5109663	12/19/1994	40.16	0.69
71.03053178	101.0200644	72.09102408	12/20/1994	36.53	0.72
71.16599562	103.2767751	71.8908153	12/21/1994	40.13	0.74
102.2020314	153.976011	104.7806816	12/22/1994	44.76	0.7
150.9144518	219.8308975	152.3680982	12/23/1994	52.21	0.44
147.1670182	216.5178837	150.3317278	12/24/1994	48.15	0.6
94.24272712	148.496937	97.87312804	12/25/1994	49.14	0.63
107.3937536	152.8552425	112.3751059	12/26/1994	43.38	0.51
75.81698364	108.4137275	78.57126672	12/27/1994	38.53	0.62
83.1273234	122.3960612	86.08743943	12/28/1994	45.16	0.56
117.2525608	166.291691	117.5768933	12/29/1994	43.09	0.52
129.0674292	171.7647035	130.2979388	12/30/1994	34.83	0.38
82.43635342	120.9579611	84.6116648	12/31/1994	38.07	0.73
50.80095648	95.18842961	53.78838357	1/1/1995	48.21	0.82
130.565084	184.1272953	133.1193621	1/2/1995	41.49	0.48
110.6902099	152.8874552	111.1943163	1/3/1995	29.26	0.54
131.1053176	175.6899386	132.4700183	1/4/1995	33.54	0.4
142.6564007	187.3397819	144.14672	1/5/1995	21.18	0.4
125.3138263	170.648828	124.7251011	1/6/1995	29.14	0.61
59.53011161	100.0356588	57.88724454	1/7/1995	43.06	0.83
90.56280906	131.1236274	91.64058449	1/8/1995	35.85	0.59
58.57697629	88.45941371	59.66261284	1/9/1995	37.08	0.67
74.71882363	108.0990734	76.12532098	1/10/1995	37.1	0.64
47.0188478	77.56479796	47.42386033	1/11/1995	43.64	0.72
18.88019663	52.84240587	21.06192075	1/12/1995	53.53	0.8
6.984040635	29.04086517	11.22536157	1/13/1995	58.65	0.77
1.587977099	14.8996359	6.817123841	1/14/1995	65.91	0.78
3.135496183	16.06435123	6.795905598	1/15/1995	64.27	0.87
31.59048719	86.01057986	35.2267874	1/16/1995	52.15	0.83
85.9047088	138.0437151	88.28764414	1/17/1995	46.03	0.69
46.01221879	89.70897674	49.13879278	1/18/1995	47.45	0.82
41.6613122	79.60507971	44.94927162	1/19/1995	45	0.96
102.3203307	167.2463563	104.6939358	1/20/1995	45.5	0.74
136.3615489	196.8671355	137.3196958	1/21/1995	41.48	0.52

139.5534369	195.9168479	139.8433148	1/22/1995	34.93	0.48
85.32926912	122.097471	87.60115779	1/23/1995	33.23	0.62
134.7379272	187.4161797	137.5048901	1/24/1995	35.66	0.48
111.5473418	158.1284337	111.5377561	1/25/1995	35.21	0.48
126.446557	171.5436057	124.6886624	1/26/1995	32.22	0.45
83.06646234	118.0801729	81.76775309	1/27/1995	32.64	0.55
96.00115477	141.8957836	86.63598041	1/28/1995	34.33	0.78
109.8164127	159.1507522	100.2815192	1/29/1995	29.87	0.79
83.36223582	126.7697929	77.71380802	1/30/1995	32.11	0.91
79.76802734	123.2294777	80.04835722	1/31/1995	35.12	0.82
88.62008919	135.3524684	87.61137203	2/1/1995	44.26	0.52
59.37210023	96.23420565	57.2700778	2/2/1995	44.96	0.58
104.8860865	150.2093734	104.1553339	2/3/1995	36.92	0.49
116.971529	174.9118744	109.5332824	2/4/1995	35.29	0.68
191.1206485	251.5594004	183.6281892	2/5/1995	27.03	0.31
181.3431185	237.0351119	176.326038	2/6/1995	20.8	0.29
93.96914646	123.1410233	89.33676746	2/7/1995	23.7	0.48
148.486873	189.691637	148.3311961	2/8/1995	25.83	0.44
141.4604925	184.2350786	140.572298	2/9/1995	27.88	0.34
98.35355523	134.8452852	96.54440508	2/10/1995	38.56	0.48
39.65886863	72.72753023	36.85957499	2/11/1995	44.35	0.61
127.8953135	169.6940496	122.5836804	2/12/1995	28.54	0.33
86.65110712	115.2345099	85.2433914	2/13/1995	26.21	0.37
63.13496803	87.35636582	62.34738055	2/14/1995	29.58	0.48
53.25913534	83.00902256	51.54762502	2/15/1995	33.25	0.82
23.26624554	50.93594451	21.30219786	2/16/1995	41.61	0.95
39.84371413	72.04955224	36.96633918	2/17/1995	41.17	0.75
51.46527589	80.68145584	48.41746814	2/18/1995	39.97	0.63
25.61798337	55.99806034	25.35788595	2/19/1995	47.33	0.61
9.039373893	40.54666989	11.21819646	2/20/1995	51.34	0.74
89.28895079	147.5424225	78.62580625	2/21/1995	46.12	0.53
87.45877703	129.4958292	83.87379672	2/22/1995	37.9	0.49
70.70113392	110.5690059	69.30514127	2/23/1995	56.17	0.4
111.4903158	178.6185322	109.6330958	2/24/1995	48.67	0.35
87.52971383	123.0713369	85.56245747	2/25/1995	37.17	0.44
74.30746023	125.9254215	71.51594329	2/26/1995	48.12	0.51
42.13394182	83.17228179	40.23229599	2/27/1995	42.79	0.81
3.154065024	14.62986769	6.699323832	2/28/1995	57.33	0.94
46.37976374	91.60184705	44.63471647	3/1/1995	45.09	0.85
109.7741079	163.3985911	106.5019893	3/2/1995	38.46	0.54
75.66463197	120.0427399	73.31725549	3/3/1995	32.84	0.82
54.03344831	91.81928644	51.68073319	3/4/1995	37.56	0.9
48.64370109	88.5805664	46.51672954	3/5/1995	45.39	0.72
18.87364208	52.59621539	19.28252056	3/6/1995	49.76	0.89
6.098108425	20.83792752	8.825876486	3/7/1995	59.55	0.84
11.50884469	54.56770378	15.86530771	3/8/1995	56.58	0.91
185.7968321	260.5896647	177.6096951	3/9/1995	34.27	0.52
128.7600163	174.3828217	122.3781666	3/10/1995	33.78	0.39
76.32552199	112.7655212	71.18470062	3/11/1995	45.63	0.46
45.65792774	86.4868311	40.76035409	3/12/1995	52.5	0.51
40.29354676	83.09706002	39.69413853	3/13/1995	56	0.55
39.45722726	86.48232531	36.25375912	3/14/1995	57.72	0.53

28.97941418	62.889031	25.22184876	3/15/1995	56.17	0.67
45.63026588	83.48952566	40.67526551	3/16/1995	63.04	0.51
60.6187054	107.0204056	52.1348439	3/17/1995	65.43	0.42
133.4773266	195.5920457	118.2824611	3/18/1995	49.37	0.47
82.77317348	132.8994943	74.31398916	3/19/1995	48.97	0.64
80.86155096	140.1742359	66.88257336	3/20/1995	54.75	0.63
91.56358333	167.81695	81.52297047	3/21/1995	60.51	0.56
114.2764234	184.9356581	103.435372	3/22/1995	58.54	0.41
92.08896763	140.0112686	83.48991819	3/23/1995	44.05	0.8
176.5904912	245.2938657	165.5329151	3/24/1995	49.21	0.38
194.98708	264.9141668	179.4247133	3/25/1995	47.86	0.28
130.2899549	183.140631	113.2126427	3/26/1995	53.49	0.33
109.9881448	163.7685726	93.45468548	3/27/1995	54.22	0.44
79.91952627	124.9135306	66.90389469	3/28/1995	48.5	0.74
85.34225257	127.478949	70.48945199	3/29/1995	49.28	0.66
79.3449643	126.3169738	60.83741558	3/30/1995	53.16	0.63
126.2302505	178.5608558	109.206491	3/31/1995	50.83	0.48
154.0495663	210.1737062	135.4914137	4/1/1995	47.45	0.43
116.8768316	165.5083958	100.6985161	4/2/1995	46.95	0.57
135.4858908	196.2752332	115.0791072	4/3/1995	52.2	0.55
152.4577153	238.7964646	127.6802216	4/4/1995	61.09	0.44
164.2727437	218.5313041	145.2667114	4/5/1995	42.29	0.41
131.3969638	186.623447	110.1211302	4/6/1995	50.25	0.61
68.3722224	119.7377341	53.19799778	4/7/1995	60.19	0.55
95.18047161	150.6572788	77.34067186	4/8/1995	66.46	0.47
87.89782727	143.3264185	67.92044745	4/9/1995	72.06	0.48
134.5138783	199.8845748	110.4620665	4/10/1995	51.46	0.76
97.13167675	142.763811	77.16750156	4/11/1995	53.35	0.75
54.4402369	116.9555391	29.60159406	4/12/1995	63.36	0.8
86.0520428	137.4594579	59.56441579	4/13/1995	60.68	0.64
174.0779026	227.4042131	145.2540185	4/14/1995	50.58	0.51
175.2023894	231.4698604	150.6255967	4/15/1995	51.41	0.44
76.24252293	113.8096058	51.34906055	4/16/1995	60.3	0.48
95.32737001	142.461293	75.50606308	4/17/1995	54.05	0.73
74.85265039	124.8669418	53.21425892	4/18/1995	58.77	0.76
29.25555256	87.57588942	15.86078986	4/19/1995	75.36	0.62
91.00586873	162.2181475	74.05609699	4/20/1995	68.02	0.53
63.8661826	113.4459064	40.88617769	4/21/1995	70.79	0.65
112.9293155	179.3023695	89.91379547	4/22/1995	73.74	0.47
199.6125813	266.953681	167.2274072	4/23/1995	52.34	0.56
156.9539724	212.9723693	127.391484	4/24/1995	47.2	0.93
148.1273125	204.0859393	119.8569403	4/25/1995	56.26	0.59
134.5830412	182.2700576	108.2157694	4/26/1995	57.59	0.53
153.7822207	230.3566979	116.0140975	4/27/1995	63.82	0.6
129.9259562	194.8543936	105.3584195	4/28/1995	62.95	0.57
151.9536756	208.4968835	123.2887976	4/29/1995	60.63	0.51
122.3667505	183.332772	94.76627338	4/30/1995	55.45	0.89
153.9333033	210.8911126	124.6235715	5/1/1995	54.13	0.74
178.7002949	245.5593025	144.5141689	5/2/1995	48.48	0.93
147.8085801	200.798968	119.0215471	5/3/1995	55.15	0.66
121.3171615	171.6266002	91.16516351	5/4/1995	59.69	0.71
132.3349278	195.1706204	98.27807066	5/5/1995	61.66	0.72

179.9631964	241.9089909	143.9898077	5/6/1995	60.97	0.55
136.8139175	185.0034096	113.3193108	5/7/1995	58.21	0.57
178.0167651	234.2744758	147.8571698	5/8/1995	59.34	0.48
148.4702437	203.8443822	118.6859996	5/9/1995	61.75	0.57
55.23774569	109.008059	25.2111545	5/10/1995	72.78	0.78
86.84662067	151.7045928	57.4458857	5/11/1995	71.86	0.68
142.7942159	193.8971539	106.3629364	5/12/1995	65.09	0.63
92.43477256	144.0455813	66.97021129	5/13/1995	66.21	0.66
118.7161245	175.1276834	82.28012873	5/14/1995	63.54	0.86
112.7986919	175.5181161	80.38599191	5/15/1995	68.68	0.72
147.8072685	207.5826001	112.3178659	5/16/1995	66.63	0.63
101.99675	186.7570561	61.90044126	5/17/1995	74.79	0.73
64.51818438	128.3422984	34.56670432	5/18/1995	78.13	0.72
156.3480733	226.1498594	115.2721618	5/19/1995	67.92	0.75
149.646118	200.5296807	121.0878732	5/20/1995	66.72	0.57
163.5849792	219.7913076	119.6736656	5/21/1995	69	0.59
145.7899198	199.2182187	111.0199368	5/22/1995	69.26	0.57
180.0042856	237.8757142	134.2408956	5/23/1995	69.2	0.57
194.0606954	272.1807054	143.6460554	5/24/1995	73.66	0.6
119.1626336	180.6353684	69.77350695	5/25/1995	75.37	0.7
109.1232728	166.5065808	73.86966207	5/26/1995	70.7	0.85
199.9343849	268.0524633	154.5292062	5/27/1995	64.49	0.8
164.1015492	224.3818424	127.2467993	5/28/1995	61.59	0.94
137.9304677	213.5097093	89.82959951	5/29/1995	74.82	0.76
182.5780913	252.6365386	143.2360355	5/30/1995	70.76	0.67
178.2314538	232.1414423	141.6080168	5/31/1995	68.17	0.66
144.7550412	198.2409108	110.9770497	6/1/1995	70.33	0.67
104.752731	167.4066002	69.37100646	6/2/1995	75.36	0.79
134.5879749	205.2627697	98.87500751	6/3/1995	73.17	0.83
145.9021725	204.4602626	111.7979141	6/4/1995	74.52	0.72
145.6239392	200.6338605	117.3756898	6/5/1995	71.43	0.8
154.0395675	219.6613227	124.6026866	6/6/1995	70.24	0.92
145.3161178	218.4036559	114.3023412	6/7/1995	78.47	0.69
96.05087763	156.6145636	77.35522684	6/8/1995	81.14	0.69
143.9819178	205.5125257	122.7084205	6/9/1995	75.81	0.79
151.6197634	210.8997191	130.7914418	6/10/1995	73.71	0.8
165.6115588	232.6995513	140.2732831	6/11/1995	78.13	0.76
242.5597658	322.6707621	219.4188171	6/12/1995	69.39	0.87
314.8872403	389.6243198	293.6379112	6/13/1995	62.64	0.75
264.7445599	332.7850969	247.3343044	6/14/1995	69.12	0.6
246.840133	312.4925686	230.6347877	6/15/1995	70.25	0.58
212.047357	267.710491	200.5078675	6/16/1995	68.08	0.6
207.2518892	268.9767681	200.9621993	6/17/1995	68.86	0.59
138.3640901	191.2805494	133.2604031	6/18/1995	70.9	0.72
144.012697	199.6656522	137.2797269	6/19/1995	73.46	0.73
134.170547	202.6613257	127.7088857	6/20/1995	77.85	0.76
168.9013435	231.7561055	161.211343	6/21/1995	76.28	0.73
181.7026513	252.9694889	173.8058945	6/22/1995	75.51	0.79
137.7137404	204.2131198	134.3410782	6/23/1995	74.38	0.86
120.0368676	176.7614035	116.7221827	6/24/1995	75.17	0.87
132.736196	193.0462744	124.1466894	6/25/1995	77.67	0.8
125.1705499	185.6325979	121.6933406	6/26/1995	75.67	0.86

159.9215112	233.9344622	156.5691849	6/27/1995	76.5	0.86
212.2236876	293.1243953	210.1291919	6/28/1995	72.78	0.86
182.2622656	248.9717273	179.696523	6/29/1995	74.37	0.79
147.8004985	210.474486	146.957116	6/30/1995	75.58	0.81
143.9916105	214.5515229	142.6472007	7/1/1995	77.01	0.83
209.1030682	277.1444489	203.3589689	7/2/1995	74	0.73
202.8555175	265.8150511	200.1247829	7/3/1995	72.93	0.73
155.3710569	217.3814921	153.926501	7/4/1995	75.77	0.85
156.5100358	223.7112618	156.4820803	7/5/1995	79.45	0.76
177.2709183	245.1348601	175.9567188	7/6/1995	76.97	0.83
160.1676909	221.4372537	162.1568802	7/7/1995	76.96	0.77
258.4831938	334.467892	258.0988577	7/8/1995	77.97	0.63
203.7844516	259.9493759	203.7344758	7/9/1995	72.33	0.66
196.7106937	255.7585621	197.3102901	7/10/1995	75.9	0.7
188.0873235	254.1098178	186.6942466	7/11/1995	77.76	0.72
162.6622867	221.4555449	161.7050353	7/12/1995	79.08	0.69
193.7128056	260.8606607	194.2191016	7/13/1995	80.13	0.67
255.0593954	341.5198502	254.909398	7/14/1995	83.45	0.62
150.1664519	221.2409161	151.9527358	7/15/1995	87.13	0.67
182.4832814	240.7362357	182.8096387	7/16/1995	82.75	0.76
185.4989024	246.6003059	184.9309182	7/17/1995	82.58	0.76
170.0055609	210.0321484	170.2780232	7/18/1995	82.9	0.71
235.1319051	279.4338103	237.1821109	7/19/1995	79.55	0.62
210.6737335	246.7212158	208.7108193	7/20/1995	81	0.64
213.4736846	273.9039248	212.2731273	7/21/1995	81.05	0.8
159.680588	204.6899275	159.7195706	7/22/1995	80.59	0.82
209.5843708	263.1446548	209.1144706	7/23/1995	84.53	0.72
208.8519713	259.5221066	208.5086474	7/24/1995	83.46	0.74
214.4231802	265.7358344	214.276306	7/25/1995	84.24	0.71
273.4119909	328.3285443	273.2528029	7/26/1995	83.16	0.68
233.5598132	283.4267897	234.8811936	7/27/1995	83.21	0.73
299.5847202	361.8209783	303.3408387	7/28/1995	82.59	0.72
256.5965072	309.8598718	260.2290573	7/29/1995	84.57	0.68
225.0179282	269.2342959	225.7112517	7/30/1995	83.46	0.66
222.4055324	263.3083837	224.5621302	7/31/1995	82.22	0.64
215.8529716	260.0970551	217.5787852	8/1/1995	83	0.66
247.1482216	294.2814002	247.9044097	8/2/1995	85	0.66
254.2378509	298.547697	254.3818625	8/3/1995	83.99	0.65
278.0434847	328.7241591	279.345673	8/4/1995	84.82	0.67
322.0353778	380.9969467	324.1963235	8/5/1995	85.42	0.63
304.9159073	361.7322024	306.8303632	8/6/1995	79.24	0.8
361.981763	424.0103878	365.2794329	8/7/1995	72.12	0.77
347.2933989	421.9461196	347.6932312	8/8/1995	70.63	0.71
240.0681221	306.3771117	236.1853008	8/9/1995	69.71	0.91
181.6898898	246.2540034	182.9368853	8/10/1995	72.49	0.91
187.1309378	254.8423617	186.0904948	8/11/1995	76.44	0.81
150.8614898	212.9368426	146.4944473	8/12/1995	82.86	0.69
141.7479489	195.9984597	142.4507443	8/13/1995	85.11	0.72
151.0060842	196.9191079	152.2777029	8/14/1995	83.41	0.75
219.5101648	269.0628613	218.2000221	8/15/1995	79.65	0.75
327.7760784	403.4170665	328.9921205	8/16/1995	80.51	0.69
266.0005029	338.7643463	266.0749875	8/17/1995	83.46	0.71

240.6047246	296.2766157	242.3736531	8/18/1995	82.65	0.63
314.9703941	375.6816202	315.3458337	8/19/1995	74.58	0.65
322.3669123	396.3363252	321.6880019	8/20/1995	70.8	0.64
237.1753241	298.8445365	236.0036209	8/21/1995	77.49	0.62
259.4242147	332.1874021	256.7444757	8/22/1995	79.81	0.57
298.3616264	374.1892702	298.9168769	8/23/1995	75.83	0.58
242.0407029	316.5771012	243.613701	8/24/1995	79.62	0.64
293.9932208	371.9629944	294.2467592	8/25/1995	76.38	0.6
218.2484073	283.5174815	217.9862781	8/26/1995	73.75	0.75
152.4502741	211.9893344	151.1965367	8/27/1995	74.33	0.95
247.7331714	330.5630593	247.6791353	8/28/1995	76.22	0.77
221.2738573	290.2027199	221.3601648	8/29/1995	74.21	0.72
173.7035294	231.5718881	171.5413528	8/30/1995	78.16	0.71
198.6356505	270.7463061	199.1675184	8/31/1995	80.37	0.69
207.6401191	280.2887862	207.7698067	9/1/1995	76.47	0.78
340.2481629	418.7699868	338.2162614	9/2/1995	69.63	0.66
241.6118996	297.9428686	241.427442	9/3/1995	69.2	0.63
228.2970831	291.1338453	226.6585563	9/4/1995	71.96	0.65
221.0166627	290.8722671	221.4756463	9/5/1995	72.91	0.67
190.5787573	253.4633808	191.5779333	9/6/1995	73.87	0.66
161.0416095	216.3227459	160.242954	9/7/1995	71.51	0.76
134.4171227	188.861941	133.6067426	9/8/1995	73.84	0.78
146.8084628	206.2397015	145.5830437	9/9/1995	76.03	0.75
305.328383	388.3151424	301.0481453	9/10/1995	71.05	0.64
293.4949874	365.8844409	293.6322846	9/11/1995	65.38	0.61
204.5441956	262.9968854	204.5085616	9/12/1995	69.59	0.67
214.2439269	294.1736175	210.9821682	9/13/1995	76.55	0.69
166.6257477	237.4390123	163.890181	9/14/1995	78.24	0.69
283.4171994	359.0719519	279.1532007	9/15/1995	72.51	0.57
224.7306386	292.1411094	223.4942431	9/16/1995	66.17	0.86
165.8183171	216.5196763	164.2393635	9/17/1995	65.9	0.93
231.0670279	297.6119989	227.4311833	9/18/1995	65.82	0.81
238.1588662	305.7932953	238.3491303	9/19/1995	64.95	0.77
143.7468649	191.7999242	140.0438905	9/20/1995	67.9	0.79
153.4044497	211.7117626	153.7533047	9/21/1995	72.38	0.76
180.2197082	257.5061978	178.7847778	9/22/1995	70.47	0.89
387.4691531	468.9488219	380.2514119	9/23/1995	53.95	0.67
283.0043039	350.0888474	283.7199176	9/24/1995	57.37	0.79
161.3815265	214.002719	163.6693722	9/25/1995	61.16	0.94
124.18431	167.7538656	125.0552068	9/26/1995	61.49	0.94
124.5934129	169.3827582	123.2504575	9/27/1995	62.13	0.79
138.1797217	184.3680251	137.9247187	9/28/1995	64.79	0.72
201.7769541	268.9741904	198.7421424	9/29/1995	63.03	0.79
179.1356839	237.0547292	178.2296626	9/30/1995	62	0.83
111.6791036	152.0550714	109.8392868	10/1/1995	62.34	0.81
96.72655273	141.1313796	95.99695991	10/2/1995	68.5	0.78
104.9351594	161.3246173	103.5509068	10/3/1995	71.84	0.78
108.8237646	160.464656	107.3601156	10/4/1995	67.86	0.93
78.30662133	159.9566876	80.04333965	10/5/1995	75.49	0.91
70.66206588	148.0049678	71.92194999	10/6/1995	76.44	0.91
104.1194536	168.5713325	107.5863728	10/7/1995	74.86	0.81
219.6872417	277.0647582	220.6819572	10/8/1995	61.55	0.68

176.7133316	231.8168493	180.9950051	10/9/1995	58.66	0.73
148.6114824	197.3197043	147.4298526	10/10/1995	61.17	0.8
154.2733266	208.4877235	155.9611038	10/11/1995	63.45	0.81
127.7231139	173.0110683	128.2265054	10/12/1995	62.97	0.68
123.332387	171.2976447	123.1469155	10/13/1995	65.34	0.78
105.9742087	180.6377161	106.0840576	10/14/1995	71.98	0.89
300.2408935	376.4995004	301.2257946	10/15/1995	57.94	0.56
258.0376297	317.6302647	260.7196262	10/16/1995	51.32	0.59
171.1162401	221.6480109	173.5904485	10/17/1995	50.91	0.66
170.812012	221.4307619	172.2319071	10/18/1995	53.35	0.73
124.5519413	171.0027176	126.3178026	10/19/1995	58.34	0.76
121.9498121	186.4863612	122.9878427	10/20/1995	66.94	0.83
248.1476271	322.5706984	245.5932345	10/21/1995	54.13	0.76
163.750348	212.1681585	165.7480841	10/22/1995	51.59	0.71
131.5095263	175.0179131	130.8074603	10/23/1995	55.14	0.75
129.7595154	191.7622081	134.2215525	10/24/1995	62.21	0.81
158.958577	211.4937388	157.2958281	10/25/1995	56.88	0.7
143.1719726	187.3712575	143.3017682	10/26/1995	51.05	0.82
124.827	190.6361997	125.6728764	10/27/1995	62.64	0.85
187.834914	256.6139472	188.5830054	10/28/1995	61.76	0.68
223.3776394	284.7243105	225.4002161	10/29/1995	51.87	0.61
159.4526405	206.3922536	157.8096652	10/30/1995	49.45	0.68
146.2461422	198.9742151	146.5648591	10/31/1995	57.09	0.68
69.76041055	111.0231027	69.48328978	11/1/1995	60.55	0.96
51.0017479	103.0908137	50.95061783	11/2/1995	67.32	0.92
85.86291554	145.0039457	85.05565731	11/3/1995	65.84	0.84
271.086656	337.4812439	272.3337396	11/4/1995	42.41	0.53
184.1928944	229.3140384	183.2832445	11/5/1995	37.42	0.57
166.2557744	212.0550701	165.9588394	11/6/1995	41.91	0.61
164.6759764	223.7104613	162.5015371	11/7/1995	47.14	0.92
256.2173987	328.9232844	256.7595105	11/8/1995	45.46	0.57
180.4109653	225.9107943	179.7545914	11/9/1995	34.97	0.53
195.972449	253.7399886	198.3573173	11/10/1995	44.54	0.61
142.2427554	219.3400077	135.5544116	11/11/1995	56.81	0.83
202.0183095	255.0798229	195.3580811	11/12/1995	38.5	0.58
136.8959131	176.3386852	131.6598539	11/13/1995	38	0.83
185.9874738	248.9057428	184.1219835	11/14/1995	39.49	0.95
250.4139116	318.1177083	244.3242866	11/15/1995	40.99	0.54
134.0691219	168.8918738	127.1538886	11/16/1995	36.55	0.65
108.6161609	140.479165	106.4037103	11/17/1995	38.29	0.69
120.8041757	166.0014927	116.7392849	11/18/1995	42.91	0.69
131.7737665	179.0996591	126.8066634	11/19/1995	43.39	0.71
88.30443904	122.1506561	87.22975614	11/20/1995	40.87	0.78
132.0777037	178.5676919	128.5498591	11/21/1995	47.04	0.59
158.8795934	207.9383091	156.3333517	11/22/1995	35.56	0.5
134.5818701	175.9908004	130.0058759	11/23/1995	44.27	0.51
123.014574	173.7012923	122.5621576	11/24/1995	41.84	0.75
124.1701595	168.4516923	123.5669554	11/25/1995	38.21	0.61
97.12678377	136.9540141	97.5490557	11/26/1995	41.27	0.68
104.1275721	168.2319278	102.0186386	11/27/1995	54.91	0.61
49.09633739	106.2030761	47.92292141	11/28/1995	60.54	0.69
147.273575	201.2348778	145.4442529	11/29/1995	36.33	0.87

124.0455279	166.0682088	121.5591401	11/30/1995	34.38	0.72
138.3531268	196.0317546	134.8225134	12/1/1995	50.15	0.56
91.67367293	133.2165545	91.6507494	12/2/1995	47.49	0.53
71.62616753	109.7924176	71.24403175	12/3/1995	47.73	0.71
60.48352857	99.031295	63.81900598	12/4/1995	50.92	0.62
80.42892482	119.8022981	78.60798827	12/5/1995	41.74	0.73
83.5750297	122.3776468	83.96034366	12/6/1995	44.25	0.62
93.21425512	126.8097755	89.51098964	12/7/1995	34.91	0.81
101.930304	140.8562917	102.873561	12/8/1995	31.63	0.6
102.6193245	147.6700501	104.0959008	12/9/1995	33.76	0.85
184.7438476	240.7414661	182.4904869	12/10/1995	26.64	0.47
151.4371572	195.0621544	148.2371481	12/11/1995	25.31	0.36
86.27796369	117.6581236	86.11099854	12/12/1995	31.73	0.46
74.39602357	105.874746	73.7003676	12/13/1995	32.44	0.78
60.66202854	101.7756897	61.38651732	12/14/1995	43.15	0.79
17.22793032	47.19138961	17.63738045	12/15/1995	57.21	0.69
54.74369651	95.27110713	54.0674114	12/16/1995	43.03	0.89
83.57878077	129.0445673	88.73639107	12/17/1995	34.03	0.73
55.29876055	80.96350995	56.02791745	12/18/1995	34	0.81
81.56012387	123.5038467	77.96662863	12/19/1995	34.26	0.97
143.1346607	203.8524405	143.8331867	12/20/1995	30.95	0.65
133.3758846	178.9511445	131.1837013	12/21/1995	30.25	0.54
108.8333525	148.2878486	109.2742721	12/22/1995	30.53	0.5
113.1360196	153.3702967	112.9600983	12/23/1995	30.09	0.54
96.54138264	129.7030308	97.38018623	12/24/1995	29.95	0.55
69.75293311	97.07689062	70.5875677	12/25/1995	26.94	0.67
135.2461749	176.6176507	135.3393853	12/26/1995	30.52	0.43
117.2391527	154.0792637	117.0532062	12/27/1995	29.4	0.49
96.45844171	127.6415927	96.75476695	12/28/1995	30.28	0.56
62.96009028	88.44054314	65.30660945	12/29/1995	31.76	0.59
70.70508584	100.5413529	71.2413655	12/30/1995	36.09	0.6
31.05177361	59.42483987	32.04171613	12/31/1995	40.89	0.77
31.5768098	61.9888809	30.46161423	1/1/1996	40.08	1
31.74081999	66.89850639	31.76196825	1/2/1996	40.42	0.97
55.51411342	95.76714958	54.06268411	1/3/1996	43.63	0.76
78.21237231	108.8121863	76.65418012	1/4/1996	30.38	0.54
78.99174374	113.8717997	76.24787884	1/5/1996	32.46	0.63
96.50085492	137.3273431	96.24999005	1/6/1996	25	0.69
157.7273027	211.0086217	156.8716109	1/7/1996	20.17	0.9
142.2651805	186.1849745	139.8705596	1/8/1996	24.38	0.65
88.64075198	124.3371908	88.52740063	1/9/1996	25.67	0.66
92.67352548	131.9399086	92.87540865	1/10/1996	29.33	0.64
86.93238474	121.9608969	86.96195892	1/11/1996	20.42	0.55
77.64744648	117.3045841	76.56721392	1/12/1996	25.21	0.89
48.18243653	75.91537686	47.98977814	1/13/1996	28.33	0.81
55.37715615	83.88324622	54.56415384	1/14/1996	32.92	0.79
47.06053488	78.50008827	45.81216805	1/15/1996	42.75	0.63
68.92454435	101.2716378	66.4870876	1/16/1996	33.38	0.67
32.07230286	69.11499959	33.62356906	1/17/1996	39.46	0.83
6.010198089	27.09943415	5.689553097	1/18/1996	50.29	0.92
19.75247224	81.0561935	19.66513741	1/19/1996	53.83	0.72
109.3047289	152.0894702	107.670232	1/20/1996	24.21	0.51

80.08802318	111.8193214	75.41249147	1/21/1996	27.5	0.72
62.29871472	92.3496574	60.90389428	1/22/1996	30.5	0.74
55.15425527	86.62569037	50.61820277	1/23/1996	37.5	0.78
24.56717212	77.47037261	20.27558282	1/24/1996	52.13	0.75
81.20918337	123.3245071	80.77656788	1/25/1996	34.58	0.51
60.73328392	105.270138	66.3673897	1/26/1996	36.63	0.7
41.43004975	100.3219493	42.5611516	1/27/1996	52.88	0.66
95.62272479	138.8439761	94.11231038	1/28/1996	34.33	0.39
66.21429833	92.44152617	64.13680014	1/29/1996	32.04	0.77
39.68551649	76.14214695	43.75722303	1/30/1996	38.43	0.84
81.96204215	124.3862642	79.89514541	1/31/1996	34.58	0.73
86.21271629	122.3959864	87.66707389	2/1/1996	25	0.52
100.324233	147.7840865	97.84697129	2/2/1996	24.83	0.86
169.698642	223.2545753	168.6779328	2/3/1996	18.71	0.72
174.8961585	234.5159477	175.1550021	2/4/1996	14.13	0.47
112.4098049	152.126065	111.2010514	2/5/1996	12.22	0.62
63.31284512	90.97352967	64.73080301	2/6/1996	19.88	0.71
78.49016025	123.1012875	81.75416681	2/7/1996	27.67	0.77
51.38144786	100.4365394	51.99560541	2/8/1996	40.29	0.77
33.48668526	71.64669999	30.71793742	2/9/1996	45.92	0.69
43.43553428	78.54918271	40.61337932	2/10/1996	42.75	0.63
56.41038748	109.5781071	50.45748883	2/11/1996	51	0.53
111.1987157	165.0512476	101.7607253	2/12/1996	36.29	0.42
114.9429319	160.4835602	104.7829325	2/13/1996	29.25	0.39
81.15913422	132.5589379	67.65976625	2/14/1996	46.33	0.41
51.10132646	86.33049443	45.43023148	2/15/1996	41.33	0.62
103.0895874	155.8600981	94.0833143	2/16/1996	29.46	0.89
120.9203224	169.0030764	112.1217084	2/17/1996	25.21	0.5
79.75308213	111.7583325	68.24649132	2/18/1996	30.96	0.54
57.25058795	92.86387339	49.01390008	2/19/1996	36.71	0.71
4.151444756	14.83958772	4.748103628	2/20/1996	50.29	0.97
2.586358539	10.72121006	4.304200785	2/21/1996	51.91	0.97
3.059297108	12.75524218	5.301366982	2/22/1996	51.91	0.97
5.101737053	19.02493211	6.692832958	2/23/1996	51.58	0.98
52.41813524	100.5661197	35.25071368	2/24/1996	58.08	0.51
67.75943821	127.9985531	59.53781169	2/25/1996	53.21	0.36
34.85556763	64.56816276	23.21047515	2/26/1996	51.17	0.58
12.80655596	46.54216882	10.87140914	2/27/1996	54.96	0.78
22.11401972	63.34357472	15.11554721	2/28/1996	62.86	0.58
148.7707411	207.6354661	123.5298275	2/29/1996	34.91	0.44
116.6266831	168.1625266	95.66316154	3/1/1996	32.67	0.56
70.89549959	111.9612749	55.97002263	3/2/1996	37.46	0.82
171.8153607	243.4135397	142.6830183	3/3/1996	38.5	0.42
110.6342004	156.3554069	91.03470798	3/4/1996	30.63	0.41
92.15151526	171.3044116	65.05668302	3/5/1996	53.08	0.56
6.399695675	33.084045	4.966221374	3/6/1996	59.79	0.86
63.78416736	125.026993	33.69262419	3/7/1996	44.92	0.94
205.7038619	281.4968823	169.7771837	3/8/1996	26.42	0.59
166.1794784	214.9081912	131.5814857	3/9/1996	23.63	0.42
131.4805189	175.2534322	104.8737261	3/10/1996	26.83	0.48
134.129263	184.3450466	105.7182748	3/11/1996	31.71	0.56
125.6015611	180.8702037	103.6668457	3/12/1996	39.38	0.46

62.62060908	96.9551934	45.55570948	3/13/1996	45.04	0.39
59.66198678	108.4463025	43.86895022	3/14/1996	52.38	0.42
20.90192309	61.52697764	11.15531435	3/15/1996	54.63	0.8
69.10073963	123.0505585	50.35167308	3/16/1996	49.21	0.59
54.20625161	94.84544051	44.29542056	3/17/1996	44.48	0.83
41.0166545	86.57155879	30.21919142	3/18/1996	49.75	0.72
73.73418062	135.9817497	59.114035	3/19/1996	48.88	0.83
203.72419	286.7865276	186.4067669	3/20/1996	42.96	0.52
142.5552314	201.5583137	130.2456901	3/21/1996	43	0.49
166.739144	221.3897491	157.5196258	3/22/1996	39.79	0.41
143.0819996	195.5638182	137.5262408	3/23/1996	41.96	0.36
85.49769419	122.0948049	79.05982002	3/24/1996	45.83	0.38
80.25413951	149.4811848	68.80397912	3/25/1996	59	0.56
61.03720568	95.78101801	48.68442313	3/26/1996	62.5	0.5
158.1640559	204.0813309	144.3648088	3/27/1996	44.61	0.35
120.8351008	179.219692	114.615074	3/28/1996	37.83	0.86
107.5135064	152.2156112	98.97403032	3/29/1996	39.58	0.9
64.30238652	100.8478825	58.8965382	3/30/1996	47.96	0.74
61.96170862	99.25118477	59.70710838	3/31/1996	50.29	0.72
38.10868732	87.41257899	36.42331124	4/1/1996	51.71	0.94
177.8211367	246.9895944	169.9069627	4/2/1996	48.21	0.52
86.47864369	146.6015398	90.25417376	4/3/1996	58	0.42
85.02801367	128.1166051	83.7316523	4/4/1996	67.75	0.36
131.5629629	190.9513798	124.2512464	4/5/1996	52.58	0.58
109.6460897	152.8860721	103.9431489	4/6/1996	40	0.8
147.52717	198.2455058	140.8863715	4/7/1996	42.83	0.64
125.5102156	166.2158129	121.2293719	4/8/1996	43.08	0.54
109.2025334	156.6126331	110.173753	4/9/1996	40.13	0.88
183.4146733	247.1333241	181.8733478	4/10/1996	43.63	0.49
139.7296217	203.2822145	133.2479935	4/11/1996	55.63	0.38
85.74331212	133.1569344	91.25211927	4/12/1996	68.08	0.37
56.48722104	97.25532261	59.94355986	4/13/1996	71.54	0.44
49.5335661	104.5381803	53.2880453	4/14/1996	64.5	0.6
102.1164291	167.2947901	94.7317529	4/15/1996	55.46	0.8
128.9361343	204.4410367	127.9039411	4/16/1996	57.67	0.69
198.7037009	251.9225873	198.3640985	4/17/1996	51.33	0.45
98.67341323	146.66018	103.4741582	4/18/1996	57.25	0.51
103.0681929	171.2927851	108.3213569	4/19/1996	65.42	0.6
52.47398833	116.8879006	54.17274731	4/20/1996	69.83	0.7
43.05720469	91.76837622	51.67092722	4/21/1996	66.58	0.75
73.87917049	124.0483974	78.36651526	4/22/1996	73.96	0.57
101.6769369	179.0093463	104.9874184	4/23/1996	72.54	0.64
247.7587665	316.6344457	247.1736597	4/24/1996	54.58	0.44
236.5530768	310.9505088	242.7695553	4/25/1996	61.58	0.47
144.3410261	217.5344778	149.8659631	4/26/1996	60.58	0.83
150.7908684	204.5688229	153.8418293	4/27/1996	57.88	0.53
151.4093733	204.3585228	154.9568741	4/28/1996	60.78	0.59
78.35493344	150.6818178	83.84279128	4/29/1996	71.29	0.74
123.6163165	200.4652344	129.4639956	4/30/1996	63.42	0.87
186.799089	239.4396098	191.9853937	5/1/1996	54.38	0.61
121.7435325	166.6350275	127.8885727	5/2/1996	62.54	0.6
133.1881212	197.5219966	136.00736	5/3/1996	69.5	0.61

91.14634495	154.9649185	93.61099944	5/4/1996	73.25	0.67
129.1176709	194.1359601	129.9979378	5/5/1996	68.05	0.73
128.0991371	195.5774614	133.075595	5/6/1996	67.25	0.78
178.7451353	235.8707261	181.9970594	5/7/1996	50.79	0.94
125.4337696	172.9256792	133.4695342	5/8/1996	57.33	0.88
105.2022524	161.5332034	109.4569223	5/9/1996	63.04	0.9
106.645721	160.6503662	107.3423277	5/10/1996	68.17	0.77
148.6274137	237.8572921	145.4089957	5/11/1996	74.38	0.65
355.7188207	444.5980743	358.4314046	5/12/1996	58.42	0.49
209.0388807	255.4656604	208.4662328	5/13/1996	51.42	0.56
228.1458756	282.2537556	227.1879145	5/14/1996	54.46	0.46
200.0140847	254.911727	203.3065669	5/15/1996	52.96	0.65
128.4317663	179.3341094	126.9856541	5/16/1996	59.46	0.92
56.61560511	100.2276789	55.61789273	5/17/1996	67.7	0.91
40.52172732	85.31584008	44.43306717	5/18/1996	73.5	0.82
41.87926923	82.4646849	41.89710103	5/19/1996	80.79	0.62
63.67678286	111.6299985	66.68421152	5/20/1996	81.25	0.65
105.1085667	168.1434293	108.1683232	5/21/1996	81.71	0.64
168.656303	244.3607022	172.0777487	5/22/1996	74.04	0.57
153.3754163	213.7823228	158.2791273	5/23/1996	73.63	0.59
190.9611346	261.9940638	193.9125571	5/24/1996	74.25	0.6
214.3384722	283.6367111	220.3863689	5/25/1996	62.04	0.78
191.411384	250.3491852	197.5624866	5/26/1996	58.46	0.8
199.7231276	269.3614569	207.6758045	5/27/1996	57.46	0.97
186.3077242	255.0389359	188.0872513	5/28/1996	58.26	0.95
170.3087983	236.9167109	175.2758922	5/29/1996	58	0.96
284.4040036	368.0174137	292.2761064	5/30/1996	60.75	0.6
165.1624325	220.8136995	170.1226506	5/31/1996	60.33	0.61
211.0820152	270.1303668	209.0448847	6/1/1996	64.04	0.59
188.8132132	250.4617493	191.5157911	6/2/1996	64.46	0.61
194.8953104	259.4296019	200.3044059	6/3/1996	62.85	0.71
197.74882	259.5948216	202.2687313	6/4/1996	62.85	0.71
137.298458	190.6847744	137.875264	6/5/1996	70.33	0.73
142.8497859	199.9936485	147.0759421	6/6/1996	70.08	0.73
146.8789291	210.6584991	148.0777323	6/7/1996	76.17	0.7
137.2449872	205.4203438	141.7048593	6/8/1996	76.88	0.75
127.691803	189.575015	129.7804542	6/9/1996	73.04	0.9
136.9629257	212.6874881	141.8064782	6/10/1996	76.08	0.84
148.8498837	221.0821577	152.5749694	6/11/1996	74.83	0.85
194.3810968	272.5415397	201.054342	6/12/1996	74.96	0.77
150.1882385	206.6334946	150.5086642	6/13/1996	74.58	0.76
143.599721	199.1073628	144.7493447	6/14/1996	78.25	0.67
135.7384528	194.1094826	136.7596258	6/15/1996	78.25	0.72
128.3820326	185.3173056	130.5475008	6/16/1996	79	0.73
181.7892165	253.7309264	181.9181451	6/17/1996	78.92	0.75
192.5229518	269.2958579	197.691181	6/18/1996	80.33	0.74
174.4118254	237.0350492	176.3321698	6/19/1996	79.25	0.78
146.3266929	198.9744686	148.8660103	6/20/1996	80.88	0.76
250.8962832	319.2785801	254.0818412	6/21/1996	80.33	0.65
247.0728944	316.0005983	247.9384385	6/22/1996	81.96	0.64
234.3621893	282.2062136	235.4792147	6/23/1996	81.67	0.63
256.8285642	326.1060593	257.6735702	6/24/1996	79.83	0.75

241.7867487	302.3648483	242.2939089	6/25/1996	78.79	0.74
378.5439679	443.4125425	381.8487152	6/26/1996	72.04	0.58
232.2607356	278.4098871	232.6235006	6/27/1996	72.04	0.67
251.7954405	302.071912	250.8577752	6/28/1996	75.08	0.68
276.5276698	332.1718035	276.6490689	6/29/1996	71.88	0.69
288.5611779	363.8865899	289.8885528	6/30/1996	72.96	0.79
180.8545629	253.2694725	184.5029824	7/1/1996	80.3	0.81
143.0980114	187.3967055	145.4799296	7/2/1996	77.46	0.87
305.7143371	369.7219081	307.9651542	7/3/1996	73.96	0.7
424.892825	507.4712848	426.8323844	7/4/1996	68.63	0.57
300.562772	363.2735424	302.2347428	7/5/1996	72.33	0.6
232.4719865	293.7307245	231.406363	7/6/1996	76.58	0.7
202.5251823	265.1612221	203.3696386	7/7/1996	80.42	0.68
243.563913	321.8318827	243.7213591	7/8/1996	78.96	0.78
228.563888	284.7872122	230.780063	7/9/1996	79.67	0.73
275.0383462	324.8138994	277.9501539	7/10/1996	74.38	0.65
297.9412962	362.5169578	300.2315537	7/11/1996	72.33	0.66
323.3520562	404.7557897	326.3241003	7/12/1996	70.42	0.88
346.2089	444.3894765	349.2266296	7/13/1996	78.29	0.74
221.9811281	296.5538427	221.9956699	7/14/1996	79.67	0.78
273.8747931	365.8446612	276.3892274	7/15/1996	78	0.85
215.9622628	284.3131025	220.4993265	7/16/1996	78.5	0.72
151.1406469	199.3507203	151.8074665	7/17/1996	81.08	0.72
137.7697288	179.5628431	142.8541884	7/18/1996	80.29	0.81
239.3828201	314.7371594	244.3161351	7/19/1996	79.75	0.8
360.4850953	434.9433637	363.8878562	7/20/1996	75.21	0.59
300.2993785	354.3561919	302.5351148	7/21/1996	71.21	0.6
212.6198914	271.1124017	215.7729248	7/22/1996	72.46	0.85
224.2735438	292.2627855	229.9779862	7/23/1996	74.13	0.8
180.2318072	235.4912402	183.3742057	7/24/1996	75.08	0.8
182.6943081	243.0299257	184.7608067	7/25/1996	73.46	0.9
213.2173379	282.8435563	217.8972137	7/26/1996	76.29	0.74
208.8764319	254.9061165	211.9363487	7/27/1996	75.54	0.68
212.807259	260.4113878	215.2601454	7/28/1996	73.88	0.78
190.7415014	240.4487942	192.5264187	7/29/1996	72.63	0.89
217.0954393	290.4646152	221.1359867	7/30/1996	75.5	0.84
286.1203087	371.147046	287.3057275	7/31/1996	78.29	0.76
233.0889772	301.5273998	234.8511602	8/1/1996	72	0.92
214.1986666	273.1267853	217.1824169	8/2/1996	73.91	0.74
194.3485672	258.9843296	196.7550957	8/3/1996	74.5	0.86
200.5246784	264.6629288	200.3069344	8/4/1996	74.46	0.84
188.1622039	237.0484288	190.3543203	8/5/1996	74.17	0.81
191.6977591	243.7895374	195.5679585	8/6/1996	75.17	0.81
221.0256788	287.6057836	223.2465081	8/7/1996	74.5	0.77
202.6942238	252.4150666	204.7904693	8/8/1996	74.21	0.74
216.0790029	272.5921292	218.0797056	8/9/1996	71	0.91
271.6248553	340.9381432	273.3794994	8/10/1996	73.17	0.71
252.5059666	317.18664	253.1226782	8/11/1996	70.5	0.73
264.6228931	335.4955374	266.2309387	8/12/1996	68.17	0.86
291.169337	375.0288403	293.9861941	8/13/1996	66.21	0.94
186.0266657	248.237171	187.3946626	8/14/1996	71.71	0.81
175.8834012	232.3773585	177.2213186	8/15/1996	72.42	0.76

186.8137818	259.101261	190.3918511	8/16/1996	74.63	0.78
156.5253874	215.2308484	155.9039875	8/17/1996	74.33	0.8
137.0027579	184.6741629	137.7762386	8/18/1996	75.08	0.82
187.3357047	246.5251302	186.7508086	8/19/1996	75.71	0.75
194.4636045	243.4571676	192.454216	8/20/1996	72.63	0.78
214.8882564	281.8953903	216.3279516	8/21/1996	72.92	0.79
153.8452887	200.542462	152.8677945	8/22/1996	76.96	0.79
163.9352591	218.8783129	165.7769496	8/23/1996	78.79	0.77
185.8995184	242.3123626	185.7841903	8/24/1996	75.54	0.83
233.8990535	296.3874314	232.8579877	8/25/1996	74.33	0.79
179.0401888	236.0277892	179.1367417	8/26/1996	75.04	0.81
205.1883292	262.5967369	202.3779665	8/27/1996	73.33	0.83
215.331758	290.5630933	207.338273	8/28/1996	72.96	0.84
157.0729446	201.6817397	148.0924465	8/29/1996	73.63	0.8
216.8035638	276.2094974	210.4434272	8/30/1996	74.29	0.77
268.9885305	346.0525367	260.8197465	8/31/1996	71.75	0.76
287.1370581	364.7305423	276.6190031	9/1/1996	72.08	0.71
204.5123464	266.9248077	199.0035189	9/2/1996	74.17	0.7
174.6473213	235.9716379	167.6745135	9/3/1996	73.96	0.84
191.3112092	267.3027762	186.6514428	9/4/1996	74.54	0.89
219.3034832	304.0079964	210.1733491	9/5/1996	75.67	0.88
391.6670836	516.4486757	377.155191	9/6/1996	76.13	0.81
257.8460051	342.2618025	249.0191602	9/7/1996	78	0.69
171.6479691	231.0355882	161.4858287	9/8/1996	75.42	0.84
128.828855	185.6515576	118.9267516	9/9/1996	75.96	0.85
151.0129427	205.7640608	134.9128653	9/10/1996	76.17	0.82
169.5240823	237.1028355	155.2033503	9/11/1996	71.46	0.9
169.9195593	222.1702606	149.3251672	9/12/1996	71.46	0.86
250.3284296	318.8405041	223.9962309	9/13/1996	70.46	0.74
275.2077983	342.4920991	248.6763149	9/14/1996	63.38	0.68
279.8213349	347.2189165	250.8023517	9/15/1996	64.63	0.68
192.641051	251.9548433	170.2683287	9/16/1996	64.63	0.88
229.8837854	310.9088435	193.7150385	9/17/1996	72.63	0.81
336.7982903	424.3515632	299.2305785	9/18/1996	65.67	0.67
294.6054326	364.7485052	259.3662516	9/19/1996	65.58	0.64
197.6998102	253.304547	173.1131001	9/20/1996	65.04	0.68
201.9759395	259.1215925	176.0267214	9/21/1996	65.83	0.74
237.4228597	309.8192696	202.0674247	9/22/1996	69.83	0.69
304.5696668	378.8848548	264.3127224	9/23/1996	66.08	0.6
201.6756358	258.5644576	171.0763638	9/24/1996	64	0.76
175.835553	233.1128309	148.6242073	9/25/1996	66.13	0.7
187.801744	246.194999	157.7575326	9/26/1996	62.75	0.8
212.950011	286.8919297	176.0709335	9/27/1996	69.04	0.75
156.2738017	226.96477	120.4320295	9/28/1996	71.13	0.86
208.6968508	270.5534384	177.0633555	9/29/1996	61.08	0.8
164.1780446	209.7461477	136.2165566	9/30/1996	62.25	0.74
179.1826659	238.6152533	149.2504336	10/1/1996	63.75	0.78
122.2073351	171.5848321	95.34623528	10/2/1996	66.5	0.87
272.7579529	347.4496721	227.4051949	10/3/1996	62.38	0.74
353.9045711	426.6103168	306.4882467	10/4/1996	47.96	0.62
284.4099357	346.9283528	243.4216565	10/5/1996	49.79	0.71
225.7208301	288.1046543	190.6598431	10/6/1996	53.13	0.78

185.8808824	244.3747687	151.8056787	10/7/1996	55.96	0.9
279.2142726	373.141529	221.6114406	10/8/1996	57.63	0.93
119.3455393	168.7489125	92.87526075	10/9/1996	58.92	0.89
179.499251	229.2162734	147.298701	10/10/1996	54.96	0.76
188.8241736	240.1486643	158.1468146	10/11/1996	52.5	0.7
129.0373337	170.1452686	106.9028905	10/12/1996	51.83	0.77
154.312678	200.4009721	123.8630223	10/13/1996	56.25	0.75
126.0131709	172.2020069	97.77715026	10/14/1996	63.71	0.7
164.4448282	216.2682917	135.8161138	10/15/1996	58.29	0.66
122.2799232	176.4753079	96.58133927	10/16/1996	63.21	0.79
76.90373116	122.4195123	59.1709882	10/17/1996	65.96	0.79
123.307667	190.9152457	92.16092166	10/18/1996	63.13	0.92
315.7652415	398.0618776	282.5537711	10/19/1996	51.08	0.63
183.5436026	235.3920433	160.8974316	10/20/1996	50.13	0.71
126.0760355	161.2162271	106.1223434	10/21/1996	52.04	0.81
97.21457044	140.5628977	76.94672397	10/22/1996	60.83	0.74
126.5557126	192.5909536	87.33932685	10/23/1996	64.71	0.8
135.6031354	184.4002621	106.566243	10/24/1996	59.17	0.66
123.7768811	168.823066	83.63009749	10/25/1996	58.38	0.66
65.35934255	104.2446457	43.25940768	10/26/1996	60.21	0.84
70.52403768	118.5742586	57.42223922	10/27/1996	64.08	0.82
82.60636285	137.5350347	62.88192292	10/28/1996	66.21	0.77
135.2009007	183.6093629	116.5899815	10/29/1996	54.63	0.67
144.357578	218.9168524	113.3926749	10/30/1996	67.63	0.67
178.4392104	241.6475584	157.7065762	10/31/1996	63.25	0.47
115.9276774	157.7905564	100.1830546	11/1/1996	53.58	0.79
187.1126336	242.1174744	165.4047764	11/2/1996	42.96	0.87
220.5851228	277.6847119	202.25779	11/3/1996	39.38	0.56
164.817932	208.2651682	150.2778181	11/4/1996	42.33	0.67
116.8747756	160.0069358	103.391748	11/5/1996	53.71	0.77
45.52812749	82.23031527	34.5931824	11/6/1996	61.83	0.9
49.49475875	95.68465529	39.22866944	11/7/1996	63.71	0.91
55.19917592	136.6484133	38.26519806	11/8/1996	67.29	0.89
233.299758	303.3466709	221.6255719	11/9/1996	47.75	0.67
238.2934119	295.3129295	226.5030751	11/10/1996	38.58	0.69
213.5988738	265.4790089	199.5083575	11/11/1996	35.63	0.59
198.3788459	248.3074266	184.9473669	11/12/1996	33.78	0.51
152.5473968	190.3980642	137.1883897	11/13/1996	34.83	0.53
168.9871972	223.6084411	153.6964661	11/14/1996	35.79	0.76
209.4541799	266.7039447	182.0160408	11/15/1996	32.38	0.6
127.8444761	168.1515244	114.3906302	11/16/1996	33.46	0.68
94.88456939	127.382321	80.72273078	11/17/1996	38.29	0.68
75.73432115	111.8767274	64.00881532	11/18/1996	45.83	0.79
64.7015803	104.0123427	49.17682139	11/19/1996	50.04	0.83
101.0724634	146.3413839	81.13344624	11/20/1996	44.58	0.73
137.0767881	187.4230387	115.6756341	11/21/1996	35.96	0.77
205.0579911	272.7848192	171.5930353	11/22/1996	37.92	0.72
121.4764405	165.0162343	99.61450649	11/23/1996	37.38	0.7
88.41070768	123.8530823	71.52850423	11/24/1996	41.42	0.7
54.52189302	99.22384895	39.76858989	11/25/1996	50.83	0.84
65.79716513	138.0268628	42.17897578	11/26/1996	57.42	0.76
221.3564754	289.2638257	184.7670692	11/27/1996	34.96	0.5

114.5043948	157.3051928	95.98877932	11/28/1996	30.08	0.63
99.94932488	133.0961135	80.19368109	11/29/1996	31.42	0.74
88.70505296	127.6826369	67.73756415	11/30/1996	39.33	0.85
16.60300504	71.46331113	4.794274809	12/1/1996	58.29	0.93
91.45194014	137.3440007	65.17490656	12/2/1996	48.83	0.66
75.29726267	114.15684	56.00853539	12/3/1996	39.08	0.88
124.0868635	180.0361119	100.3727197	12/4/1996	43.67	0.61
93.60030176	133.8400453	71.88410104	12/5/1996	36.79	0.83
117.8830637	168.7852273	91.45571869	12/6/1996	40.33	0.71
89.49827224	135.2168609	65.2558437	12/7/1996	40.17	0.87
93.90570777	135.0408814	67.94172973	12/8/1996	39.21	0.81
155.8679223	212.0470295	123.7947406	12/9/1996	37.92	0.56
121.8575985	167.7319263	95.00560486	12/10/1996	37.92	0.58
65.49213669	103.8165925	42.43148065	12/11/1996	48.42	0.69
17.42860457	48.10490481	5.588008242	12/12/1996	52.96	0.89
49.97519808	99.64477851	20.67997219	12/13/1996	49.79	0.91
134.9941459	205.1725079	95.93633647	12/14/1996	43.75	0.74
105.1640182	153.6028273	73.95526625	12/15/1996	41.92	0.75
46.28415098	83.61959119	28.33602052	12/16/1996	43.04	0.92
36.73691697	68.05747132	15.59220617	12/17/1996	47.17	0.98
33.77446516	68.89581024	12.38536551	12/18/1996	49.58	0.91
80.72304024	125.8302515	52.78200266	12/19/1996	39.25	0.94
154.0002672	203.4395806	122.2822715	12/20/1996	24.63	0.58
91.14961807	121.4681324	69.45033845	12/21/1996	24.96	0.71
99.58620706	139.2124646	78.03372309	12/22/1996	32.17	0.66
93.5038725	142.4556828	66.53083605	12/23/1996	45.79	0.58
31.13963122	91.14975919	15.68308729	12/24/1996	55.67	0.77
102.1867674	145.9893779	85.7100103	12/25/1996	36.08	0.59
68.05405211	103.7323354	51.10982313	12/26/1996	36.96	0.71
55.45857478	86.88249247	43.55569372	12/27/1996	43.67	0.64
56.12278086	96.12192681	36.02162023	12/28/1996	47	0.81
8.471619346	29.42429819	5.715477706	12/29/1996	59.17	0.84
11.95939455	45.99248257	11.33739507	12/30/1996	57.54	0.76
24.79321317	57.69036714	14.36991448	12/31/1996	50.29	0.94
92.15430874	139.5523398	78.80340801	1/1/1997	36	0.78
60.46610688	99.8534828	44.43840203	1/2/1997	45.96	0.85
15.14325193	54.22530237	13.98496706	1/3/1997	56.21	0.81
10.15428539	38.96763438	9.741654842	1/4/1997	57.5	0.81
14.13721789	58.53397959	12.91495299	1/5/1997	60.58	0.81
117.9843404	177.0022428	96.28262477	1/6/1997	52.17	0.43
114.3477733	162.1940811	99.1463394	1/7/1997	41.04	0.46
119.9557209	162.5336697	105.7440759	1/8/1997	32.92	0.45
101.2412798	147.5595613	90.46631058	1/9/1997	33.21	0.82
158.4376985	228.9344924	141.1950001	1/10/1997	38	0.68
164.0259514	227.6458571	154.2234699	1/11/1997	28.29	0.64
133.7763339	180.5874124	126.0973905	1/12/1997	27.7	0.51
90.86799962	125.4933223	88.43263062	1/13/1997	25.09	0.53
80.28362182	114.8993184	75.73848578	1/14/1997	26.54	0.6
94.04836185	135.5695103	91.99677874	1/15/1997	31.79	0.61
118.1406493	178.2115196	113.7487074	1/16/1997	41.83	0.63
194.87376	244.4466795	186.7962406	1/17/1997	20.92	0.28
185.2681361	230.4815762	185.8608911	1/18/1997	18.04	0.35

105.5769897	135.8411929	107.1752282	1/19/1997	16.33	0.54
111.4036019	148.4413041	112.4370329	1/20/1997	33.21	0.52
81.6076766	110.0352785	78.22065107	1/21/1997	34.83	0.59
46.58177145	88.64123702	45.07439299	1/22/1997	44.04	0.81
32.92095527	74.94954013	35.6765956	1/23/1997	53.08	0.66
55.07083246	91.65190433	55.51318604	1/24/1997	39.54	0.79
54.47768645	95.95562509	53.61732739	1/25/1997	45.71	0.74
101.529148	142.1107612	98.6545987	1/26/1997	35.24	0.44
72.4721357	108.8868197	73.88093223	1/27/1997	37.17	0.69
52.52752814	93.79690602	48.74339431	1/28/1997	45.33	0.79
89.83361081	127.8899164	90.98721357	1/29/1997	32.63	0.54
80.54969753	115.6049466	78.73013861	1/30/1997	31.63	0.72
58.02741997	94.30672017	57.06591125	1/31/1997	38.38	0.86
48.38059635	87.77010511	49.25733916	2/1/1997	47.42	0.63
41.77421958	75.60661842	43.91805919	2/2/1997	43.71	0.71
33.7877247	71.58437073	34.37964522	2/3/1997	46.58	0.74
56.34687629	94.10456772	56.09352772	2/4/1997	41	0.81
37.45156228	84.66559315	40.48360906	2/5/1997	44.92	0.85
55.0793953	84.31065855	51.73585153	2/6/1997	40.96	0.63
42.74595281	82.34988841	45.23760541	2/7/1997	39.67	0.88
91.40326347	148.7933953	92.22440738	2/8/1997	34.25	0.95
76.21695728	120.1402642	76.52720438	2/9/1997	31.83	0.86
54.13395252	82.99215355	52.87249168	2/10/1997	34.29	0.9
95.83977563	144.5635902	97.82166752	2/11/1997	32.96	0.65
70.8138075	115.3584658	74.3643459	2/12/1997	36.96	0.65
121.2608024	174.4088377	120.4943349	2/13/1997	32.71	0.57
63.17250592	109.1849583	63.37777756	2/14/1997	34.79	0.95
40.59301886	78.69623356	42.37511726	2/15/1997	40.88	0.82
79.27488865	118.7355579	78.67473868	2/16/1997	36.79	0.65
105.6788502	156.5584625	105.7924767	2/17/1997	37.46	0.47
102.9413931	158.6090065	100.8915566	2/18/1997	43.83	0.51
63.23875068	113.0401585	65.9550356	2/19/1997	59.48	0.43
39.63968801	84.51803043	47.19294446	2/20/1997	53.13	0.52
14.31074084	56.33578015	25.50385393	2/21/1997	56.08	0.79
40.02758143	92.94608719	41.7385749	2/22/1997	58.13	0.67
74.2908402	122.0912811	79.29829673	2/23/1997	41.96	0.51
90.03639341	135.8813192	96.10066804	2/24/1997	44.75	0.47
97.94454126	141.3425368	100.7281016	2/25/1997	37.92	0.53
69.97464794	112.2307496	70.62820546	2/26/1997	45.21	0.78
4.614340702	24.67283284	17.59346524	2/27/1997	65.71	0.77
12.07403667	53.24431886	22.04645529	2/28/1997	54.54	0.92
28.12967773	56.24121744	30.83655589	3/1/1997	49.42	0.97
6.462518406	38.38933858	22.6086103	3/2/1997	66.17	0.75
84.34836848	149.1848936	88.82960533	3/3/1997	44.58	0.91
64.00881544	106.6969566	69.17532104	3/4/1997	41.88	0.93
41.49997968	90.88637859	47.22041452	3/5/1997	48.08	0.99
176.545714	257.3905429	177.9886725	3/6/1997	50.33	0.47
115.9463011	168.8392816	119.4863002	3/7/1997	41.88	0.45
123.5862347	189.269403	127.2714671	3/8/1997	50.71	0.52
140.897154	204.1352465	143.3166805	3/9/1997	42.79	0.57
73.56409094	120.4660625	74.7086647	3/10/1997	51.83	0.61
90.60489149	140.8147363	92.0610459	3/11/1997	51.79	0.54

164.9218323	227.6340931	166.3398481	3/12/1997	44.46	0.38
125.2491661	172.4394181	126.3163075	3/13/1997	42.83	0.53
49.6997475	108.1462715	54.4098984	3/14/1997	54.58	0.81
158.4044357	223.5748066	160.3927553	3/15/1997	46.79	0.49
144.1378656	192.5581364	148.4462986	3/16/1997	37.75	0.4
133.4718969	187.4639783	139.1333569	3/17/1997	44.83	0.51
67.59050293	105.981261	67.9732747	3/18/1997	51.67	0.61
93.55767873	140.8368097	95.1512447	3/19/1997	40.92	0.95
67.63946416	105.7901873	70.27940438	3/20/1997	44.67	0.82
70.67220984	119.6436658	70.4144433	3/21/1997	53.83	0.62
110.9260684	195.0107384	119.956532	3/22/1997	60.08	0.53
116.0429137	161.7572875	116.3627537	3/23/1997	41.96	0.55
141.0106245	198.1910434	146.9734579	3/24/1997	42.71	0.55
105.0690945	153.9506241	110.7245479	3/25/1997	45.83	0.59
94.38812188	166.1567226	102.9498754	3/26/1997	60.08	0.58
117.0233959	171.331831	121.0522953	3/27/1997	53.54	0.49
78.58100502	132.9736854	83.45933018	3/28/1997	58.88	0.53
70.91474281	121.9492905	76.70250845	3/29/1997	66.38	0.57
74.77466544	131.7105553	77.95899611	3/30/1997	61.83	0.51
262.4553644	348.4510276	267.880918	3/31/1997	48	0.56
317.9770509	404.667103	317.4087441	4/1/1997	49	0.32
146.5356461	199.2259749	153.217653	4/2/1997	53.17	0.33
91.78202859	133.9345112	99.97251644	4/3/1997	57	0.38
69.73283413	120.178754	77.09067405	4/4/1997	65.13	0.38
63.77296859	110.5124754	72.40797175	4/5/1997	61.88	0.59
41.41008728	100.9761822	41.62314642	4/6/1997	63.58	0.83
93.56426148	147.5226894	91.56134535	4/7/1997	67.83	0.54
209.817504	269.6543117	209.5018878	4/8/1997	54.5	0.29
294.8846678	366.8701692	293.977589	4/9/1997	43.54	0.39
196.4004819	243.3192887	192.6230491	4/10/1997	38.58	0.38
158.5877949	208.4168478	157.4627237	4/11/1997	51.33	0.43
79.5995767	137.6148835	76.2965635	4/12/1997	58.04	0.85
115.9219807	185.6774657	111.0645035	4/13/1997	62.38	0.63
180.0548126	239.0684387	180.7275744	4/14/1997	48.46	0.42
112.3962921	161.1632314	116.336279	4/15/1997	50.42	0.49
174.2589614	230.9784079	170.7060809	4/16/1997	56.71	0.48
160.1426458	215.669835	156.2623952	4/17/1997	51.42	0.65
322.4766801	399.7078006	316.5400555	4/18/1997	47.42	0.4
222.2749403	278.558663	220.3871273	4/19/1997	52.92	0.3
116.2217137	156.5223185	118.6857282	4/20/1997	52.46	0.43
91.620764	130.502917	94.61962815	4/21/1997	49.46	0.85
100.8443292	143.1299538	99.91859808	4/22/1997	49.13	0.89
136.4857153	191.4551905	134.5405767	4/23/1997	45.92	0.95
151.6244047	203.8619444	153.2697203	4/24/1997	50.75	0.65
110.2292444	154.5370751	108.5893626	4/25/1997	54.96	0.62
101.7635091	143.1399448	104.9912523	4/26/1997	57.13	0.55
105.7224047	147.6510082	104.9426808	4/27/1997	54.25	0.77
75.65274261	122.8535779	78.10930518	4/28/1997	55.54	0.94
105.0564539	152.6091983	109.9660107	4/29/1997	55.46	0.65
115.0175306	171.2932082	118.3567271	4/30/1997	60.33	0.67
125.1659653	210.1142628	125.0999942	5/1/1997	67.75	0.63
181.324279	242.2327164	182.8267219	5/2/1997	60.79	0.46

130.5029282	204.3708654	133.5491468	5/3/1997	64.83	0.76
257.2762481	335.5066832	263.3572518	5/4/1997	59.33	0.44
186.1248184	239.923612	190.0456416	5/5/1997	59.25	0.4
225.0457921	295.4006533	228.5518737	5/6/1997	65	0.43
222.2392257	284.0551861	223.7600918	5/7/1997	59.54	0.43
156.6937772	206.2662906	160.1240325	5/8/1997	57.83	0.56
116.6245242	172.6568991	121.0718273	5/9/1997	63.21	0.74
168.9281626	231.9887222	172.5071673	5/10/1997	57.17	0.73
165.2180858	214.8484412	160.9382981	5/11/1997	60	0.55
213.3347393	284.151361	204.9654291	5/12/1997	67.29	0.45
185.838961	247.5621811	179.5049339	5/13/1997	59	0.67
145.9351103	192.72943	138.6237711	5/14/1997	59.46	0.63
180.0004305	251.4899762	169.9314385	5/15/1997	67.54	0.58
281.0452393	351.3831738	264.8996004	5/16/1997	57.38	0.42
235.5236874	295.0295975	216.5586941	5/17/1997	61.92	0.49
106.599171	162.4079707	96.60279	5/18/1997	72.46	0.51
123.355463	174.6023786	119.7865169	5/19/1997	81.67	0.43
97.55410058	156.2197053	89.98372726	5/20/1997	73.13	0.63
274.1048651	337.3075404	253.9273996	5/21/1997	61.92	0.38
262.2606007	323.6367643	238.9533755	5/22/1997	58.29	0.44
197.8751708	246.9041272	180.2614177	5/23/1997	59.83	0.48
140.7860417	193.0807579	123.0250276	5/24/1997	68.38	0.61
138.6455121	225.5967983	106.1340207	5/25/1997	71.96	0.78
159.6145728	232.927941	134.140437	5/26/1997	61.71	0.93
208.4434792	272.7523639	187.464878	5/27/1997	58.5	0.76
258.3092469	325.5768613	232.4071207	5/28/1997	55.96	0.64
193.0249103	246.3621712	170.3901251	5/29/1997	58.88	0.7
90.77610825	132.5554904	75.64543355	5/30/1997	66.29	0.78
94.75952296	142.7958193	76.261777	5/31/1997	70.38	0.74
92.43222354	154.4296507	69.21444975	6/1/1997	70.08	0.92
122.3980449	181.3254398	95.23073607	6/2/1997	66.75	0.96
263.4519137	335.9342402	222.9672461	6/3/1997	55.21	0.96
277.506485	345.8974526	236.0541416	6/4/1997	57.04	0.74
214.5955131	275.6777042	184.8843411	6/5/1997	58.63	0.68
233.5676213	295.7481693	197.872956	6/6/1997	57.04	0.75
232.758358	301.4303476	195.3430586	6/7/1997	55.79	0.81
197.9708234	256.4836904	168.0705584	6/8/1997	59.54	0.71
147.4644997	194.042969	125.441133	6/9/1997	62.83	0.67
129.6206382	173.972848	108.6121246	6/10/1997	69.17	0.57
140.8929435	192.0436485	116.5971171	6/11/1997	69.5	0.63
129.7031704	195.8966806	101.2718877	6/12/1997	71.38	0.77
117.7050218	178.2092748	79.14274477	6/13/1997	75.13	0.82
105.4092451	159.6667655	85.19048957	6/14/1997	71.67	0.86
180.5716929	240.8106929	155.3333948	6/15/1997	68.92	0.74
177.0410134	233.6143747	153.0791002	6/16/1997	67.92	0.69
137.0213678	197.4109528	109.7226383	6/17/1997	74.63	0.76
123.7620912	199.7357572	100.3825806	6/18/1997	79.88	0.77
168.1440595	235.3603852	146.0617237	6/19/1997	77.88	0.66
152.258657	212.9625675	131.2895551	6/20/1997	78.42	0.66
156.5153788	229.2954582	129.4137876	6/21/1997	81	0.69
164.5020186	240.6042718	136.1192506	6/22/1997	82.46	0.65
207.1996144	273.7419681	190.0911859	6/23/1997	80.96	0.53

222.0591741	292.9373312	206.1740444	6/24/1997	81.21	0.55
179.8502321	251.7583589	159.4772143	6/25/1997	84.29	0.62
193.5905753	267.4776832	179.9826614	6/26/1997	81.63	0.72
254.068035	326.9203719	243.6659969	6/27/1997	76.58	0.67
244.3024855	301.6925462	234.7103608	6/28/1997	75.25	0.62
246.1564935	304.1022724	239.0701654	6/29/1997	73.38	0.63
205.0375942	261.3586145	198.0912004	6/30/1997	74.38	0.72
173.8892211	233.7105907	169.3159821	7/1/1997	73.67	0.87
143.4094599	199.8975655	134.6165918	7/2/1997	74.83	0.89
213.0924084	297.5426728	202.9636993	7/3/1997	82.83	0.68
296.2885237	382.5705205	287.1161735	7/4/1997	83.79	0.5
276.9319225	343.3262588	266.8456985	7/5/1997	75.88	0.6
233.2086861	294.3571946	227.0869499	7/6/1997	74.33	0.68
177.0461973	228.47295	171.2429308	7/7/1997	77.46	0.71
213.5422627	276.0872708	212.7530628	7/8/1997	78.96	0.64
241.1599889	315.1107798	236.3462596	7/9/1997	80.63	0.67
253.0290813	326.5215649	248.7721342	7/10/1997	73.5	0.8
255.3652011	319.1925282	253.5581328	7/11/1997	73.63	0.64
229.4610322	290.7233118	226.6909797	7/12/1997	76.29	0.58
207.5274067	265.8227894	206.4518025	7/13/1997	79.08	0.57
197.1020432	250.2437892	195.8518746	7/14/1997	81.71	0.58
234.9846215	299.1958286	230.0511773	7/15/1997	84.71	0.59
199.092387	245.1948853	198.2593124	7/16/1997	78.29	0.78
191.163318	234.3117034	187.4729435	7/17/1997	79.29	0.76
220.0046345	268.5183647	218.1174454	7/18/1997	84.67	0.61
200.0059304	241.56182	195.1873731	7/19/1997	82.54	0.65
303.0803118	354.5459704	299.7206483	7/20/1997	75	0.73
193.9763712	241.5335209	192.7948388	7/21/1997	79.96	0.78
198.3539605	245.3071537	198.1109264	7/22/1997	77.21	0.87
181.5602476	223.5814753	178.5921163	7/23/1997	75.13	0.93
277.4361482	360.3875049	275.2374942	7/24/1997	70.88	0.97
238.9895747	302.2201227	239.0525278	7/25/1997	70.96	0.82
178.9086451	238.2744134	178.7711494	7/26/1997	77.04	0.8
152.4423927	212.2382288	151.403708	7/27/1997	82.58	0.79
128.173188	177.5932291	124.9884486	7/28/1997	84.79	0.76
292.5010867	347.4948922	289.3145498	7/29/1997	78.38	0.68
332.6093218	391.8881628	332.8846614	7/30/1997	69.83	0.65
300.4242388	350.2435092	299.8594144	7/31/1997	71.74	0.62
237.0273128	287.7619117	236.5934623	8/1/1997	73.88	0.63
242.7203563	309.2801859	242.6139198	8/2/1997	77.21	0.63
192.9773072	250.0394006	193.3394139	8/3/1997	79.08	0.66
185.5449146	238.6525559	186.700843	8/4/1997	73.83	0.86
246.570853	308.2153848	248.3736641	8/5/1997	71.54	0.78
297.6742965	370.4922589	297.8200745	8/6/1997	69.46	0.7
226.5298151	290.4356396	227.6380614	8/7/1997	71.38	0.73
225.2196446	286.2558475	225.4022703	8/8/1997	72.17	0.64
242.138241	308.4722421	243.4170808	8/9/1997	73.33	0.65
218.4664665	286.0630717	220.5467232	8/10/1997	74.21	0.69
173.175057	235.4474795	174.5177733	8/11/1997	77.58	0.74
144.1787196	205.9344097	145.3909014	8/12/1997	80.38	0.75
182.4332628	259.8990764	184.0161209	8/13/1997	81.38	0.79
178.1025884	241.5261621	178.0330286	8/14/1997	79.38	0.82

157.8089045	211.2948154	157.2810228	8/15/1997	81.21	0.8
192.6820088	264.4526756	194.4398131	8/16/1997	86.58	0.68
211.2068251	287.6656309	211.085497	8/17/1997	87.79	0.65
273.2519204	328.401716	272.4443838	8/18/1997	79.88	0.72
227.6296169	268.0928784	227.9906045	8/19/1997	72.54	0.76
266.6871606	341.7557818	268.655216	8/20/1997	71.92	0.9
233.4029274	302.2587204	231.574937	8/21/1997	76.25	0.74
323.6696175	398.5016359	322.8669752	8/22/1997	73.29	0.57
283.1928511	349.3564	285.7934352	8/23/1997	67.92	0.63
252.4802384	321.1984673	252.9745426	8/24/1997	70	0.64
227.1973098	292.4072191	227.9208528	8/25/1997	70.46	0.68
210.691358	276.1677285	210.7020307	8/26/1997	72	0.69
216.6430481	284.674952	217.6277242	8/27/1997	73	0.7
205.6112502	276.1243959	206.987261	8/28/1997	76.67	0.68
268.9125251	346.6836767	268.8515061	8/29/1997	74	0.68
252.0330143	324.9449724	254.4929567	8/30/1997	72.88	0.63
230.1192992	300.1762784	232.3379877	8/31/1997	74.58	0.69
155.0340857	216.1373362	157.1861834	9/1/1997	75.29	0.81
171.7661403	239.6057659	173.1843332	9/2/1997	79.25	0.7
322.2183316	415.9111387	323.8857784	9/3/1997	73.83	0.66
476.9311793	569.6584859	475.9198924	9/4/1997	62.21	0.48
282.5224506	348.8281388	282.6218323	9/5/1997	65.29	0.51
264.8172908	338.4144844	260.074869	9/6/1997	70.92	0.54
186.4354219	251.3611965	187.2672075	9/7/1997	75.33	0.54
184.4684726	254.1814681	183.3812911	9/8/1997	74.5	0.69
161.2697437	234.9666592	157.6296386	9/9/1997	71.88	0.87
159.6804757	227.1941093	156.401086	9/10/1997	73.79	0.82
174.52234	246.2606802	173.7791269	9/11/1997	71.08	0.88
138.1917385	187.3182929	136.0756986	9/12/1997	73.17	0.73
225.2310063	293.7444663	223.4692501	9/13/1997	72.42	0.62
145.804421	194.7891146	143.6291622	9/14/1997	70.04	0.69
130.3791628	183.1814551	127.789915	9/15/1997	70.42	0.78
160.527194	219.1276521	159.5125078	9/16/1997	71.5	0.71
156.8869392	211.7524688	154.3220165	9/17/1997	72.33	0.71
131.1434455	190.5804918	130.9465227	9/18/1997	71.92	0.87
142.0365181	198.3946374	140.8218189	9/19/1997	73.5	0.73
191.7288548	276.2864392	189.0496838	9/20/1997	78.21	0.71
386.6769476	475.7849332	381.2435483	9/21/1997	63.21	0.56
225.1432984	282.3088536	223.7919163	9/22/1997	60.54	0.68
244.585885	312.5201956	238.6885276	9/23/1997	67.38	0.67
240.2436985	305.7724934	234.0994615	9/24/1997	59.96	0.76
183.2936204	240.2950293	181.0117631	9/25/1997	59.17	0.88
182.0885152	237.831659	180.9517591	9/26/1997	65.13	0.7
206.4984548	273.0029021	202.4821064	9/27/1997	66.54	0.67
162.1670559	237.9815146	158.2819519	9/28/1997	68.17	0.92
293.4123014	381.1027947	288.8930014	9/29/1997	68.83	0.64
317.7882911	401.0808045	315.8182596	9/30/1997	70.17	0.49
240.5032828	300.9178412	239.6144681	10/1/1997	61.13	0.66
226.7045423	280.9768335	226.2975581	10/2/1997	53.38	0.59
212.3981627	267.8484067	211.2028011	10/3/1997	58.13	0.67
138.5234877	186.2565782	138.0707089	10/4/1997	66.58	0.65
83.23343275	124.7414479	83.05693142	10/5/1997	72.04	0.67

82.12812469	132.5524356	79.16121193	10/6/1997	74.96	0.65
100.3889185	150.373276	101.3453611	10/7/1997	73.08	0.69
119.7843084	174.7890313	117.202547	10/8/1997	71.33	0.73
112.251735	165.5563375	112.3368707	10/9/1997	71.71	0.77
106.9016721	166.0503473	106.8674815	10/10/1997	75.67	0.69
212.786197	278.5355448	212.2842543	10/11/1997	66.17	0.57
162.1657676	212.7520208	161.7857915	10/12/1997	61.13	0.72
148.0015783	200.7000642	147.7404682	10/13/1997	64.08	0.79
130.4214484	191.6253001	131.4322256	10/14/1997	69.5	0.8
283.7337457	365.4878674	277.8395428	10/15/1997	54.17	0.89
251.5816529	322.3457003	253.8880226	10/16/1997	53.38	0.83
241.1422992	309.7975962	242.4595931	10/17/1997	51.17	0.97
242.0891591	316.847304	244.8240256	10/18/1997	51.75	0.98
228.5642948	298.9346492	228.1588936	10/19/1997	52.33	0.96
160.1865528	210.0523653	161.0417401	10/20/1997	54.46	0.76
177.525126	226.2331894	180.0856447	10/21/1997	53	0.68
225.505962	286.7308119	227.9230389	10/22/1997	50	0.64
196.8762613	241.7864281	198.0603654	10/23/1997	42.58	0.62
192.6447221	243.5834451	198.6819885	10/24/1997	48.96	0.74
124.3599556	180.2343354	127.7587138	10/25/1997	59.17	0.86
127.4415713	171.5942609	125.8732192	10/26/1997	52.25	0.95
147.8778911	207.237275	151.9710052	10/27/1997	56.71	0.81
202.154867	255.7318102	205.2729035	10/28/1997	44.63	0.59
136.7776464	176.6786788	140.3896827	10/29/1997	46.88	0.68
112.1836615	151.3480508	118.584123	10/30/1997	50.71	0.7
89.76676729	128.7405143	88.21503066	10/31/1997	53.04	0.88
74.97941618	129.9901513	73.66822101	11/1/1997	60.88	0.94
166.7824348	231.6443154	168.0121047	11/2/1997	57.83	0.66
201.9636894	264.3169333	203.2464507	11/3/1997	52.21	0.55
158.4859531	208.3886868	160.6859964	11/4/1997	49.17	0.64
157.1611304	203.6381555	157.6225917	11/5/1997	42.54	0.69
161.4350022	214.4303566	157.3938799	11/6/1997	47.17	0.86
158.7260164	224.3146757	156.1041482	11/7/1997	48.83	0.97
132.4493482	182.9866725	130.5736267	11/8/1997	48.04	0.98
131.2431001	180.5400038	130.9614296	11/9/1997	50.38	0.84
93.00297593	127.2145891	92.05225121	11/10/1997	48.42	0.76
118.5110285	159.885364	118.5159754	11/11/1997	49.25	0.63
125.6091953	169.2375099	126.0586066	11/12/1997	47.42	0.66
189.5500615	245.8914706	187.5863334	11/13/1997	39.88	0.8
133.6495182	183.0917479	135.7085136	11/14/1997	40.96	0.95
106.6712643	145.7336527	109.0635692	11/15/1997	45.46	0.72
227.3605307	291.2086725	231.1977594	11/16/1997	40.21	0.44
134.8693338	176.9984642	137.4301456	11/17/1997	34.5	0.59
112.4076524	147.9784612	116.1158228	11/18/1997	35.33	0.64
101.5892901	137.8000271	101.154147	11/19/1997	38.33	0.63
100.6915492	140.4902199	103.6456121	11/20/1997	43.58	0.63
71.37549302	105.2011171	69.50648784	11/21/1997	45.21	0.82
55.19534833	94.43727622	52.27614094	11/22/1997	52.42	0.88
64.19365216	99.45175477	61.31094354	11/23/1997	47.88	0.93
193.2182697	253.9370523	193.2724243	11/24/1997	39.75	0.5
128.6256064	172.7704123	130.909165	11/25/1997	35.17	0.59
145.229772	206.4847067	147.2036466	11/26/1997	46.33	0.56

137.0041287	188.6255242	139.8994443	11/27/1997	49.58	0.41
120.5733874	170.6586134	124.2076351	11/28/1997	49.21	0.51
59.8954739	102.8134085	62.29656807	11/29/1997	54.08	0.65
38.98487213	80.16689173	41.76776372	11/30/1997	51	0.94
141.0174622	204.2223143	139.1760705	12/1/1997	46.58	0.67
106.7385975	147.0860052	107.3594707	12/2/1997	39.83	0.57
92.55493122	132.8857319	95.92680671	12/3/1997	41.08	0.65
39.68167125	75.97783266	41.18347646	12/4/1997	51.17	0.86
120.9367813	173.3459294	122.4011115	12/5/1997	44.75	0.59
173.9728659	230.8636905	171.79236	12/6/1997	33.58	0.46
157.4166596	207.7724307	156.8543786	12/7/1997	35.21	0.52
77.35250209	112.3611585	79.13418194	12/8/1997	34.21	0.68
62.08363792	86.46902637	60.07128708	12/9/1997	38.79	0.83
59.21867783	96.0760868	60.6067121	12/10/1997	40.42	0.98
51.87250591	85.20661116	51.84515438	12/11/1997	44.08	0.88
55.81801557	85.85445578	55.48358331	12/12/1997	40.54	0.89
74.8663576	116.8192727	77.33906529	12/13/1997	35.17	0.76
94.28755806	138.010628	101.2446762	12/14/1997	35.08	0.66
79.9065317	117.3848881	80.94082882	12/15/1997	33.38	0.68
59.01420001	88.17930602	62.43525727	12/16/1997	38.75	0.56
69.49784233	107.0930627	72.68119786	12/17/1997	41.33	0.5
82.29246018	121.0710719	83.48946403	12/18/1997	39.75	0.59
81.78117124	125.4433492	83.82783158	12/19/1997	44.08	0.57
76.43855772	122.0523402	74.75983145	12/20/1997	47.33	0.58
80.05064406	120.844519	81.22941872	12/21/1997	41.04	0.64
68.33349301	113.488148	68.73998671	12/22/1997	38.46	0.91
48.6760846	87.22922969	42.34340598	12/23/1997	46	0.83
56.51001649	91.96513456	50.02947385	12/24/1997	41.75	0.9
35.57614859	80.16079562	35.40275754	12/25/1997	48.13	0.87
42.00157748	81.69512937	44.58815053	12/26/1997	44.83	0.78
98.43611034	155.986329	97.39983942	12/27/1997	36.04	0.93
110.6455872	165.4396375	110.6415075	12/28/1997	33.67	0.7
98.98306697	146.9946192	98.64060875	12/29/1997	31.67	0.87
145.6033359	216.8692323	145.400726	12/30/1997	36.38	0.71
153.1077832	209.8671652	151.7782852	12/31/1997	34	0.48
130.8038509	174.8353596	127.5812357	1/1/1998	28	0.5
114.7438921	167.2689255	113.0800255	1/2/1998	43	0.42
69.62426582	121.4668753	67.38820862	1/3/1998	47.54	0.6
12.78407492	44.56345724	17.81978098	1/4/1998	51.04	0.77
8.568203543	41.33684232	13.9240983	1/5/1998	54.42	0.8
1.021564886	10.43785083	4.359351145	1/6/1998	61.21	0.93
0	7.272328244	3.311023975	1/7/1998	64.79	0.96
0.151717557	13.45427135	4.774045802	1/8/1998	66.38	0.89
52.20451341	118.5129924	54.87685127	1/9/1998	58.79	0.65
60.46807675	91.24206769	57.43036799	1/10/1998	42.88	0.7
59.16979687	95.31311288	57.79802192	1/11/1998	41.04	0.78
70.860327	109.334918	72.07372756	1/12/1998	40.54	0.7
57.56810147	107.0143521	62.03886761	1/13/1998	47.33	0.83
123.898588	178.0126729	125.3703	1/14/1998	33.5	0.56
101.3500406	157.2002614	101.0828663	1/15/1998	34.21	0.84
82.90888821	139.8414712	84.23741179	1/16/1998	38.96	0.96
58.67269256	96.77434505	57.66935539	1/17/1998	40.08	0.9

68.60260993	110.8233312	70.88239875	1/18/1998	38.21	0.79
55.47704731	89.50944307	56.87270825	1/19/1998	36.17	0.92
119.3032755	173.0443046	115.9650501	1/20/1998	36.42	0.67
79.04121215	118.6730711	77.05748644	1/21/1998	33.33	0.64
65.75718053	102.249742	69.56175104	1/22/1998	37.38	0.73
36.79214537	87.13250121	41.69050094	1/23/1998	45.08	0.97
70.02885202	124.294156	71.05353497	1/24/1998	42.29	0.87
81.50429145	122.420539	80.19023868	1/25/1998	37.33	0.7
72.66582585	116.5205186	74.17476735	1/26/1998	37.33	0.73
94.57669559	156.8117537	96.79402157	1/27/1998	38.54	0.88
100.9769819	178.025603	98.41399202	1/28/1998	41.04	0.93
59.1509841	98.33273009	58.28658142	1/29/1998	44.63	0.71
74.96256958	120.1764003	76.44760903	1/30/1998	44.58	0.63
103.4468025	150.5024023	106.0649549	1/31/1998	36.42	0.61
61.84670287	94.03863487	65.65104355	2/1/1998	36.04	0.62
53.73098876	81.62603661	50.48763477	2/2/1998	37.5	0.75
57.61651357	96.95660965	60.24688191	2/3/1998	41.71	0.84
114.2611948	198.8811599	109.766631	2/4/1998	40.79	0.93
91.96102633	157.9664907	89.28676346	2/5/1998	39.67	0.93
62.4602673	100.0090918	63.45812888	2/6/1998	36.04	0.95
82.85161277	131.7752568	87.78827259	2/7/1998	38.29	0.85
97.20667671	150.9868138	101.8625613	2/8/1998	39.54	0.66
60.01906572	87.75537278	58.79598663	2/9/1998	35.75	0.8
48.03245208	80.53600014	51.02077366	2/10/1998	38.92	0.79
31.09805616	63.38482615	29.55283872	2/11/1998	46.75	0.89
41.91134215	101.3759263	49.93357115	2/12/1998	53.58	0.68
56.0612064	85.69279215	54.16081505	2/13/1998	41.5	0.66
100.2793212	145.6810637	98.68535653	2/14/1998	38.04	0.63
79.54393851	114.0943851	76.62845366	2/15/1998	35.38	0.61
77.60489597	124.7119994	79.57220745	2/16/1998	38.21	0.84
10.76344785	42.24452898	15.74363974	2/17/1998	56.08	0.91
36.55514778	80.87585602	37.6477983	2/18/1998	55.65	0.67
57.52880254	110.5110512	59.55314748	2/19/1998	53.13	0.58
38.78002164	78.37164421	45.24592751	2/20/1998	46.21	0.81
86.58677683	135.9293746	86.16226445	2/21/1998	49.46	0.57
60.41540785	96.0579194	62.5302279	2/22/1998	45.29	0.63
93.88689207	154.8216406	97.59904146	2/23/1998	42.5	0.9
140.7352695	215.4361226	138.5402734	2/24/1998	44.5	0.67
116.8608819	182.2018548	117.2073183	2/25/1998	50.96	0.49
59.25600644	91.7797429	60.2232687	2/26/1998	48.63	0.54
37.53308652	75.68715685	41.99324597	2/27/1998	50.42	0.73
11.49304989	47.95483449	20.63000041	2/28/1998	57.67	0.8
32.33691894	63.71607335	35.80560809	3/1/1998	53.83	0.79
45.73388996	95.44665181	50.23816794	3/2/1998	47.29	0.92
113.3622563	171.9105314	114.2209137	3/3/1998	42.88	0.62
106.7873602	154.4667878	109.3676077	3/4/1998	40.75	0.54
82.75308497	127.0715033	87.83675651	3/5/1998	42.54	0.65
85.54061511	132.6616304	91.78829189	3/6/1998	42.25	0.66
54.81378963	92.44317501	58.09667355	3/7/1998	46.46	0.88
21.44451295	65.25544116	26.048901	3/8/1998	52.83	0.98
18.42548502	75.75183032	28.17172729	3/9/1998	64.33	0.75
217.7179605	299.667101	217.4064497	3/10/1998	42.67	0.43

206.3788894	266.8572726	200.0437201	3/11/1998	30.75	0.41
194.5639211	253.9354746	197.7822669	3/12/1998	29.63	0.36
127.3564843	172.6467569	128.4033229	3/13/1998	32.29	0.47
188.5657517	254.6701523	185.2310221	3/14/1998	48.29	0.36
112.9730834	158.097601	113.7877833	3/15/1998	40.13	0.43
93.42919604	126.3476179	90.19815198	3/16/1998	37.5	0.55
93.42963769	141.4161421	94.24625504	3/17/1998	38.5	0.71
45.98118479	85.59172988	51.37597342	3/18/1998	41.96	0.99
12.79292205	49.64208285	17.50045015	3/19/1998	51.88	0.97
36.79693521	82.5032824	33.7724495	3/20/1998	49.75	0.99
85.99242045	140.3998595	82.9070899	3/21/1998	42.58	0.96
96.78966796	145.8747944	96.54910973	3/22/1998	43	0.71
85.90262979	125.5296057	85.2568389	3/23/1998	43.38	0.56
96.27955948	138.904051	94.78291206	3/24/1998	44.33	0.61
96.4399487	140.8153444	93.84106991	3/25/1998	44.25	0.65
72.29572229	133.5204027	73.22515184	3/26/1998	58.08	0.62
14.47671977	66.26362947	32.29835789	3/27/1998	69.63	0.59
39.49507313	103.0590768	50.37637552	3/28/1998	68.25	0.6
22.26844754	63.53844921	31.78785689	3/29/1998	72.21	0.55
32.31737852	75.52981199	37.43390052	3/30/1998	73.21	0.54
34.4727297	110.4303845	40.16527349	3/31/1998	72.54	0.6
20.01365152	53.05632302	23.17678032	4/1/1998	69.21	0.86
135.6370504	209.369642	137.0128629	4/2/1998	70.29	0.35
116.0877726	179.2717976	113.3623231	4/3/1998	57.38	0.52
179.167109	256.1526182	169.1523726	4/4/1998	47.38	0.86
226.5492607	301.1125168	213.2464543	4/5/1998	47.5	0.51
130.5003295	190.7016346	125.1967621	4/6/1998	50.92	0.52
97.03204582	142.4609271	88.55640003	4/7/1998	55.92	0.55
62.79681538	131.8531815	55.71703067	4/8/1998	67.58	0.64
62.13554945	136.5758722	44.64956933	4/9/1998	61.33	0.85
127.6590205	180.9269933	107.89099	4/10/1998	47.58	0.83
155.6944551	210.4979705	137.2348349	4/11/1998	49.54	0.57
137.7048363	195.8390082	126.3745787	4/12/1998	52.42	0.53
133.6534681	179.4408162	114.5163725	4/13/1998	55.54	0.52
152.8134245	227.3572022	129.8503227	4/14/1998	57	0.73
63.27487131	120.4394249	51.35694043	4/15/1998	66	0.63
80.15717751	146.007281	53.90430581	4/16/1998	71.13	0.67
29.40611582	98.09834401	22.90048091	4/17/1998	68.92	0.85
160.239451	216.5412078	132.1704994	4/18/1998	55.42	0.64
96.24845563	143.5592269	77.55303935	4/19/1998	54.83	0.91
152.4022249	208.5132354	128.0027359	4/20/1998	56.88	0.69
124.2105707	170.8592591	104.5591017	4/21/1998	55.13	0.66
152.2761988	209.7156752	126.805965	4/22/1998	52.63	0.74
125.6348117	181.9343098	106.8669861	4/23/1998	53.71	0.74
145.0276769	202.4679379	118.8214031	4/24/1998	59.67	0.58
130.0827226	200.9281662	106.528082	4/25/1998	66.96	0.45
135.0959077	216.8988879	109.0843424	4/26/1998	69.54	0.51
160.8015404	214.4409559	133.5401806	4/27/1998	50.63	0.76
136.7981663	184.1096963	119.4128478	4/28/1998	50.96	0.65
158.2274905	211.2145989	126.5501628	4/29/1998	57.67	0.66
116.7071466	170.7600605	80.4109519	4/30/1998	63.29	0.69
55.72054127	100.4206664	33.35447151	5/1/1998	61.17	0.94

135.03723	189.252212	97.04925522	5/2/1998	62.58	0.64
116.5011203	178.8005109	76.81307834	5/3/1998	66.21	0.68
92.52732748	148.0765855	59.76932064	5/4/1998	63.17	0.85
102.9978632	156.9681407	73.95036913	5/5/1998	63.38	0.78
92.17659499	140.6760378	68.03443316	5/6/1998	64.33	0.74
94.37541602	150.1474494	75.22182624	5/7/1998	64.75	0.83
89.96170295	146.0219331	70.0928939	5/8/1998	61.71	0.95
157.4115028	232.6379315	127.9635636	5/9/1998	61.79	0.88
128.8520772	193.0400064	107.5490939	5/10/1998	62.88	0.79
167.4906233	235.2266319	146.6802593	5/11/1998	56.29	0.9
176.830527	244.8653747	154.2226831	5/12/1998	53.58	0.94
163.4214803	226.7326489	141.9799179	5/13/1998	55.17	0.88
144.1077127	198.299232	126.5489706	5/14/1998	58.83	0.71
72.38937906	105.0047788	58.94686667	5/15/1998	68.08	0.59
39.72185842	99.13246057	37.58825762	5/16/1998	73.88	0.63
53.24869494	116.1609764	47.69033235	5/17/1998	75.46	0.7
139.1973432	203.529547	121.8112912	5/18/1998	74.25	0.52
130.7694976	212.3205054	120.7046903	5/19/1998	79.04	0.44
104.449627	175.635544	96.85893137	5/20/1998	76.79	0.6
125.8764402	196.7087406	109.4291067	5/21/1998	75.67	0.62
257.9924901	334.7560326	240.9849598	5/22/1998	68	0.47
203.4637888	272.1461062	188.2105252	5/23/1998	60.79	0.74
137.3420884	194.9159477	126.9819598	5/24/1998	61.88	0.84
125.5870574	203.44288	115.2485017	5/25/1998	75.29	0.69
127.9382277	192.1490805	120.6837458	5/26/1998	75.17	0.65
113.8734306	179.4495435	109.1778715	5/27/1998	65.33	0.93
108.2918921	158.8930447	99.85864587	5/28/1998	69.38	0.83
95.09763665	153.9080371	88.52059625	5/29/1998	73.38	0.86
97.60799541	155.6329163	92.11845577	5/30/1998	77.25	0.73
203.9017817	288.6540595	194.8452509	5/31/1998	79	0.61
199.4786868	273.9765041	194.2925213	6/1/1998	76.38	0.6
196.3263291	261.0668856	186.5935532	6/2/1998	73.46	0.7
216.5044821	303.3361347	214.0544574	6/3/1998	78.21	0.59
195.4993043	255.9580427	190.5608975	6/4/1998	66.46	0.76
249.7784066	321.9077937	242.7129015	6/5/1998	66.42	0.68
310.3771657	389.3089009	302.8161949	6/6/1998	64.5	0.61
355.3962267	433.5569079	351.1523442	6/7/1998	63.46	0.46
294.185519	369.1501125	292.5640122	6/8/1998	64.21	0.53
192.7998785	251.9604509	190.5242876	6/9/1998	62.83	0.7
131.4589558	187.5053998	131.2438028	6/10/1998	63.46	0.98
118.7627158	179.6111394	115.4868469	6/11/1998	68.38	0.92
82.53545387	140.5403063	78.08893142	6/12/1998	76	0.84
134.5317709	198.9664538	134.9549381	6/13/1998	74.08	0.8
191.1283679	254.6429971	191.6296152	6/14/1998	73.13	0.67
148.4074501	218.3661998	147.788743	6/15/1998	73.71	0.85
141.0785683	201.7705832	136.0424462	6/16/1998	75.83	0.78
153.5655466	215.9036732	153.6258798	6/17/1998	75.5	0.74
182.9370135	252.5435109	179.8925021	6/18/1998	78.96	0.64
140.7596997	200.9214325	141.2079727	6/19/1998	72.5	0.89
126.1453387	177.8326366	122.8405433	6/20/1998	78.79	0.74
125.6799256	180.4294719	124.7903199	6/21/1998	79.08	0.7
99.78095317	153.7954379	99.77860099	6/22/1998	76.42	0.87

105.8718068	160.4544662	108.4010692	6/23/1998	77.33	0.87
137.7510198	208.236205	140.95527	6/24/1998	77.67	0.85
111.788442	164.2521506	113.5857927	6/25/1998	80.33	0.78
156.321102	231.7078387	157.8471319	6/26/1998	84.04	0.71
220.0867547	288.1861739	215.1715216	6/27/1998	85	0.6
227.2737851	289.7799119	228.8719547	6/28/1998	72.88	0.9
191.750771	250.2926888	191.6662068	6/29/1998	76.38	0.81
296.5375392	390.2827984	289.9302837	6/30/1998	82.13	0.67
312.3131128	396.0590992	307.5196699	7/1/1998	78.42	0.59
206.1215983	261.7396363	204.0252305	7/2/1998	75.42	0.67
193.3217855	243.98288	195.6156463	7/3/1998	75.42	0.7
211.0624689	271.287476	211.165842	7/4/1998	78.33	0.73
263.3747503	326.134949	265.6437902	7/5/1998	76.46	0.72
227.7709856	281.1317463	228.4997286	7/6/1998	74.92	0.72
226.3152259	279.149695	227.6833989	7/7/1998	74.5	0.72
228.2752303	302.0317507	230.3953742	7/8/1998	75.96	0.84
219.2815428	291.7775913	221.111233	7/9/1998	76.38	0.81
234.6177347	301.6386377	235.8743523	7/10/1998	77.17	0.74
324.8912023	399.1599322	319.9498421	7/11/1998	73.04	0.59
234.4170922	292.4143326	218.2818141	7/12/1998	71.79	0.66
284.8242137	351.5512547	268.3675288	7/13/1998	74.17	0.66
245.9802169	311.8015731	230.3567549	7/14/1998	74.88	0.68
166.1040272	219.0350249	160.5962882	7/15/1998	76.88	0.77
141.858456	192.6709915	138.3180299	7/16/1998	79.75	0.8
144.9558559	197.5479463	137.3402323	7/17/1998	80.75	0.8
272.2770098	334.2273159	261.4191799	7/18/1998	79.38	0.61
216.966259	277.9453296	209.522323	7/19/1998	79.13	0.75
252.0829859	316.4275812	243.7892733	7/20/1998	84.75	0.61
197.4574259	246.6356487	192.380643	7/21/1998	84.63	0.62
288.4242083	340.0091752	280.9123533	7/22/1998	82.26	0.58
234.4744404	287.561121	228.6436756	7/23/1998	82.46	0.71
217.2642547	263.0975532	212.9653488	7/24/1998	79.71	0.71
305.5427806	367.5822829	298.0258078	7/25/1998	77.75	0.65
221.2832586	275.851411	218.7993575	7/26/1998	74.21	0.8
239.2745293	290.4278198	237.3260869	7/27/1998	74.04	0.75
150.5545475	189.8247134	149.9463981	7/28/1998	78.71	0.76
176.5225648	216.6930454	172.026868	7/29/1998	81	0.68
207.6815736	257.7399077	204.7747355	7/30/1998	80.79	0.73
285.1549718	355.9197453	281.2117634	7/31/1998	74.63	0.82
359.3202415	424.9069935	357.823762	8/1/1998	72.96	0.67
329.9054805	402.5025616	329.9277421	8/2/1998	70.33	0.7
323.068363	399.7030303	319.583459	8/3/1998	71.63	0.66
265.2551702	335.8906395	265.5785905	8/4/1998	74	0.61
262.123523	332.16693	262.1307803	8/5/1998	74.21	0.62
228.1108123	300.2328855	229.0348867	8/6/1998	74.5	0.75
195.0624101	262.755274	192.7985434	8/7/1998	77.13	0.78
186.8484179	258.318365	183.5303045	8/8/1998	78.96	0.83
144.8636456	203.9018042	144.7656766	8/9/1998	77.08	0.89
182.8155801	253.3394268	183.8196051	8/10/1998	77.38	0.86
163.4125894	225.3717985	165.8624277	8/11/1998	78	0.8
219.5890352	287.4327322	216.1229402	8/12/1998	78.5	0.68
238.3284092	310.3789384	237.1223179	8/13/1998	76.33	0.76

239.5871603	308.4029387	240.0214878	8/14/1998	75.88	0.74
175.0401409	225.3984035	176.5385679	8/15/1998	75.75	0.73
140.1047174	193.2735887	140.7507331	8/16/1998	75.46	0.87
200.7112372	277.7852633	200.8512994	8/17/1998	79.92	0.78
191.1540922	256.9244927	189.9757102	8/18/1998	82.17	0.65
407.782596	493.6556884	407.1702663	8/19/1998	71.21	0.58
277.8701007	341.9585363	280.184154	8/20/1998	67.75	0.63
240.6483596	302.9429718	240.6926165	8/21/1998	73.29	0.62
180.0571128	244.5055513	180.949979	8/22/1998	79.25	0.6
201.9143762	271.6306505	200.7934074	8/23/1998	82.42	0.61
211.7098582	288.0986584	212.0286116	8/24/1998	83.42	0.63
190.49484	257.5157999	190.4317772	8/25/1998	82.75	0.69
181.8590138	257.6491725	184.1465566	8/26/1998	79.63	0.82
241.2734363	338.9230143	242.5762028	8/27/1998	79.21	0.89
233.0290243	317.1925641	236.1801404	8/28/1998	81.67	0.74
190.2991647	257.2970106	191.4294534	8/29/1998	83.75	0.63
188.9406441	254.3854038	191.8714874	8/30/1998	81.13	0.65
170.0192532	235.3318191	170.2986372	8/31/1998	81.29	0.69
221.7665208	290.9133314	222.939819	9/1/1998	75.29	0.82
212.0727639	279.8154319	214.5641737	9/2/1998	76.67	0.77
228.5331246	293.4963352	229.4867423	9/3/1998	74.75	0.75
271.700299	351.6258617	272.3948759	9/4/1998	74.67	0.75
234.688197	296.4191936	237.492244	9/5/1998	73	0.62
229.4167849	298.9798635	230.2776446	9/6/1998	76.58	0.69
219.1567099	299.8841713	219.2181136	9/7/1998	81.13	0.68
398.4294691	487.6756441	399.6985624	9/8/1998	68.88	0.62
453.6609047	540.8488875	448.9618241	9/9/1998	63.38	0.52
324.2005538	397.5988467	326.2721922	9/10/1998	65.33	0.56
223.5569443	282.6547521	224.7987089	9/11/1998	68.71	0.57
186.2872126	247.3077476	185.8043224	9/12/1998	73.33	0.59
145.4257609	199.8032325	139.3967983	9/13/1998	76.46	0.62
149.1816412	209.4942391	132.251019	9/14/1998	75.71	0.76
137.312015	200.522511	118.1686768	9/15/1998	78.04	0.78
138.7730326	203.5413655	127.2604575	9/16/1998	78.42	0.73
116.4748825	175.8297693	110.5487892	9/17/1998	77.46	0.76
166.5165701	234.2288043	139.7296028	9/18/1998	75.25	0.82
163.8512109	230.230971	149.1525803	9/19/1998	74.7	0.82
129.6462944	178.7481935	115.6046972	9/20/1998	75.79	0.77
144.6072737	209.3818881	130.7972666	9/21/1998	76.88	0.79
146.4940399	211.4268194	127.1708164	9/22/1998	73.58	0.88
405.3511892	493.4046749	373.1933995	9/23/1998	62.75	0.59
254.9601175	320.1754916	233.3162527	9/24/1998	60.25	0.65
249.3659874	316.0942673	214.0610248	9/25/1998	68.92	0.69
130.8411407	180.4695005	108.8696752	9/26/1998	75.67	0.68
189.8224183	279.5769496	151.9345558	9/27/1998	82.58	0.57
171.5573655	244.1026027	142.0446191	9/28/1998	80.21	0.58
224.9843964	283.1765926	192.8154429	9/29/1998	70.29	0.66
162.0496556	225.8125303	129.814661	9/30/1998	72.84	0.84
291.8907901	372.8420262	249.8023581	10/1/1998	73.46	0.61
280.5500574	336.8227331	250.1840169	10/2/1998	57.5	0.47
245.4171361	296.7328633	213.9820615	10/3/1998	61.42	0.59
229.3088893	297.5915351	196.9631123	10/4/1998	60.13	0.88

189.0842527	244.6380806	154.942541	10/5/1998	59.75	0.89
182.243551	241.8044458	147.7974176	10/6/1998	64.92	0.79
176.1312172	239.2117641	139.6723662	10/7/1998	65.54	0.81
158.1674354	226.2260265	119.066693	10/8/1998	67.88	0.89
239.6956329	309.0127293	199.9843937	10/9/1998	62.71	0.75
216.3904823	274.8462366	184.4633211	10/10/1998	61.46	0.72
201.7718444	257.7252148	178.9886367	10/11/1998	60.04	0.7
164.6526674	212.7658112	145.0718937	10/12/1998	60.63	0.8
143.5443504	193.5153438	126.695157	10/13/1998	60.71	0.83
194.684114	248.9631028	177.163636	10/14/1998	61.46	0.63
192.7569846	241.9961101	178.789929	10/15/1998	54.88	0.61
171.1788053	221.7189422	159.2829761	10/16/1998	55.13	0.72
149.0670276	198.1143514	141.3225385	10/17/1998	56.71	0.73
183.5618432	248.6308356	171.8321742	10/18/1998	63.5	0.7
126.316755	183.987749	109.4730015	10/19/1998	68.75	0.69
182.7117262	240.1913235	172.058128	10/20/1998	63.22	0.58
170.8856567	217.7578306	162.3717424	10/21/1998	53.54	0.58
301.3698962	373.0958837	286.9615227	10/22/1998	48.13	0.67
219.215931	277.3946128	212.1278344	10/23/1998	48.38	0.6
136.6265129	179.3275832	131.1853364	10/24/1998	51.83	0.63
121.7284253	163.8554809	112.7542577	10/25/1998	55.13	0.61
139.5054594	183.3365065	126.9405289	10/26/1998	57.21	0.59
98.07791988	139.6922807	91.11824886	10/27/1998	56.79	0.87
123.2264141	181.5732495	114.9910373	10/28/1998	61.21	0.79
196.1084539	258.8790408	189.1847433	10/29/1998	59	0.56
146.4064903	193.9300442	140.3536582	10/30/1998	54.04	0.62
210.2845888	270.6469012	200.7587949	10/31/1998	55.46	0.49
145.2234687	192.6337354	141.9400035	11/1/1998	52.21	0.51
132.5073798	177.6613267	125.5270682	11/2/1998	52.38	0.64
167.5351592	226.0425224	165.9409924	11/3/1998	44.88	0.93
174.8511511	231.4304296	170.3758692	11/4/1998	42.71	0.82
231.4919997	291.4396256	229.7270544	11/5/1998	39.33	0.61
218.6364235	283.0317481	217.8768493	11/6/1998	40.83	0.64
167.8215989	216.4048401	166.0399044	11/7/1998	42.04	0.59
104.533637	140.6328548	102.9202032	11/8/1998	41.79	0.66
92.17899274	128.1410067	91.44446309	11/9/1998	48.96	0.71
106.9402791	163.2243329	98.92028898	11/10/1998	58.13	0.78
133.0516343	203.0193545	126.2909353	11/11/1998	61.58	0.63
132.1849412	174.6497706	132.8098948	11/12/1998	45.46	0.56
112.096753	158.2755551	116.3343157	11/13/1998	46.04	0.65
116.4836799	167.8196098	114.7122737	11/14/1998	47.33	0.85
97.78856675	152.2408452	99.8852467	11/15/1998	57.92	0.66
100.3248761	146.9465566	99.5366431	11/16/1998	51.29	0.73
91.39196589	149.9709779	97.65152942	11/17/1998	60.54	0.65
121.8107714	167.6484849	120.7560123	11/18/1998	47.63	0.66
97.05179208	138.2507662	96.99957107	11/19/1998	49.54	0.75
53.12780046	106.4736604	50.53925969	11/20/1998	61.54	0.79
153.0732158	207.1936054	148.8278013	11/21/1998	46.88	0.62
113.0257138	148.4195281	113.6265637	11/22/1998	38.58	0.66
139.3355461	197.5624319	141.6613282	11/23/1998	50.79	0.64
107.950191	159.4231367	106.6632129	11/24/1998	57.63	0.53
123.1125902	167.7170028	122.8201555	11/25/1998	46.42	0.61

139.3388527	204.5338855	138.9469112	11/26/1998	55.38	0.59
125.8740699	176.350237	125.9733785	11/27/1998	52.71	0.46
95.83672105	136.7717848	96.33981101	11/28/1998	50.38	0.6
66.42919142	100.2180188	66.75458612	11/29/1998	53.79	0.6
86.87784425	144.1138555	85.01287141	11/30/1998	59.25	0.62
92.67859717	157.9322254	92.68924027	12/1/1998	61	0.52
113.5541275	156.1825626	113.0732016	12/2/1998	50	0.55
101.2646055	154.2002636	104.9247582	12/3/1998	56.42	0.59
40.39073817	76.01492127	37.99438793	12/4/1998	65.17	0.62
41.97000569	83.47425676	39.11423167	12/5/1998	61.79	0.73
38.02821011	72.00646111	38.92769771	12/6/1998	68.33	0.66
38.19671373	92.73050706	37.55402966	12/7/1998	69.58	0.67
17.66763571	58.88291386	19.99501464	12/8/1998	61.71	0.89
158.8849872	218.2256455	156.0593531	12/9/1998	46.96	0.78
89.09789545	130.6251118	94.57655449	12/10/1998	42.25	0.67
137.2004039	185.5572508	133.4655137	12/11/1998	44.88	0.58
95.20298262	138.6864033	99.98566099	12/12/1998	41.83	0.73
125.7845699	187.0056489	126.8645609	12/13/1998	42.25	0.96
174.2076106	237.0296869	175.2492624	12/14/1998	39.75	0.63
102.1271295	138.5105984	101.8880918	12/15/1998	37.46	0.63
142.4388801	200.0489144	147.1394775	12/16/1998	44.67	0.53
124.0239344	176.6416228	125.8125479	12/17/1998	41.08	0.63
149.3403118	199.7895035	146.983828	12/18/1998	37.5	0.54
107.1270978	152.91746	107.3478796	12/19/1998	43.42	0.64
45.45103301	82.49263633	45.99681225	12/20/1998	51	0.77
57.036868	100.8832061	55.99110688	12/21/1998	49.63	0.93
149.1207692	228.0567838	146.0286026	12/22/1998	55	0.57
190.2731593	247.8563866	190.2142966	12/23/1998	26.46	0.59
119.5165467	160.4066887	120.1043975	12/24/1998	26.46	0.59
87.7008273	118.5591508	85.04942955	12/25/1998	28.42	0.85
74.5444573	105.7304009	75.06593267	12/26/1998	26.13	0.88
68.24540584	98.17442158	69.43855864	12/27/1998	29.25	0.88
72.46705974	113.0775447	74.20015921	12/28/1998	35.75	0.93
70.79864229	116.7909006	74.44021895	12/29/1998	37.13	0.95
167.3263042	229.7213691	167.4742652	12/30/1998	33.42	0.6
102.1196688	145.021658	104.6582207	12/31/1998	24.96	0.72
132.9114363	175.4080562	132.2282854	1/1/1999	29.67	0.59
139.399825	190.8136552	139.7341423	1/2/1999	27.54	0.63
62.4802614	111.9651584	62.4204104	1/3/1999	49.22	0.76
136.5585143	183.2222329	136.2415728	1/4/1999	30.25	0.45
112.7038055	149.930156	114.9642309	1/5/1999	21.88	0.55
140.422493	180.6079888	137.1904081	1/6/1999	26	0.57
94.42975543	141.2818233	97.82053444	1/7/1999	39.42	0.54
78.80162082	112.5239318	77.94660835	1/8/1999	31.79	0.72
66.39409659	116.7415491	66.18255615	1/9/1999	44.79	0.79
144.1977507	194.7880015	147.1905781	1/10/1999	26.92	0.47
109.4098044	150.8813369	112.2125505	1/11/1999	34.04	0.49
91.48593328	150.8399748	93.39196909	1/12/1999	49.46	0.45
37.51093533	79.04647486	45.13049293	1/13/1999	51.83	0.53
49.46328623	86.87268766	51.54192161	1/14/1999	40.58	0.93
59.54731614	102.1441696	64.93140817	1/15/1999	37.46	0.85
82.74526395	122.8644582	83.7290099	1/16/1999	39.83	0.6

49.34274648	79.9630979	48.4048823	1/17/1999	44.29	0.64
11.61479838	44.14290537	18.32850018	1/18/1999	53.88	0.86
84.86958382	139.4463798	86.82803527	1/19/1999	48.71	0.41
56.67554234	85.84034162	56.74618294	1/20/1999	44.29	0.67
23.83872634	49.07817109	21.97168519	1/21/1999	47.46	0.83
7.537187835	27.14422269	12.80672714	1/22/1999	53.5	0.9
0.323664122	13.0796119	5.521175963	1/23/1999	63.08	0.89
9.138056803	33.16782328	13.6547438	1/24/1999	54.88	0.96
62.28187143	104.7982153	63.52178267	1/25/1999	43.5	0.76
67.07356814	101.8403358	69.04196708	1/26/1999	39.08	0.7
66.30862704	108.527219	62.39555743	1/27/1999	47.54	0.73
35.97520024	71.78829645	36.38414101	1/28/1999	60.67	0.59
87.91066762	144.1776122	88.81135856	1/29/1999	48.46	0.57
88.0254637	129.7003785	89.39522262	1/30/1999	38.63	0.66
120.9665956	169.872859	122.847223	1/31/1999	31.67	0.62
73.00002242	118.1492823	75.43181456	2/1/1999	35.92	0.83
14.29861268	60.79970662	21.62868897	2/2/1999	51.46	0.98
40.2635551	85.71069321	43.93157009	2/3/1999	47.92	0.81
62.56486241	119.4816563	61.87564845	2/4/1999	49.88	0.75
88.9881838	142.0464141	90.93084469	2/5/1999	43.58	0.5
82.38193914	126.7619927	80.01895944	2/6/1999	47.96	0.56
58.25405093	95.24259465	58.3015869	2/7/1999	44.04	0.84
72.25556152	120.9462837	75.7391411	2/8/1999	42.63	0.81
68.51634969	118.4530766	71.90421584	2/9/1999	45.5	0.75
61.74542459	108.7782216	62.08138638	2/10/1999	51.17	0.54
81.82394834	128.4163619	82.949147	2/11/1999	49.67	0.53
32.15819229	94.1715559	36.27031796	2/12/1999	59	0.75
175.5560891	239.8102872	177.2306217	2/13/1999	35.46	0.46
151.0162185	200.9859749	151.204326	2/14/1999	31.96	0.44
84.47387121	120.908216	85.85669278	2/15/1999	36.71	0.47
94.02735841	137.5102813	92.39719132	2/16/1999	47.08	0.41
55.13969814	105.4950425	57.47387565	2/17/1999	53.46	0.58
53.7156673	99.21087732	56.69667574	2/18/1999	47.29	0.87
101.5783847	159.9830281	108.6197007	2/19/1999	38.25	0.71
148.7690509	205.4930253	147.7790808	2/20/1999	38.33	0.54
186.4226236	250.375131	188.3232816	2/21/1999	31.75	0.44
199.6679401	262.4502947	202.718368	2/22/1999	27.38	0.37
103.509812	136.5037256	101.4596732	2/23/1999	26	0.46
114.380657	163.6960798	117.9150004	2/24/1999	30.75	0.68
67.61953843	104.1169236	68.6467282	2/25/1999	31.04	0.88
90.90240749	136.1314236	90.44764638	2/26/1999	37.96	0.72
57.53900722	99.09364623	63.55671973	2/27/1999	41.67	0.61
22.71610663	63.73174562	25.78021844	2/28/1999	50.83	0.9
121.4072522	181.3680746	120.4581811	3/1/1999	44.46	0.55
91.520623	139.0773278	95.4273528	3/2/1999	44.63	0.51
67.98753573	137.673909	71.11579248	3/3/1999	53.75	0.67
184.807711	258.1821012	185.7591469	3/4/1999	40.79	0.52
86.87802676	123.7413815	89.5092483	3/5/1999	38	0.54
74.94369309	130.2132277	77.65086356	3/6/1999	49.38	0.66
220.6206832	294.8243374	226.3600529	3/7/1999	36	0.37
156.9583885	203.5224506	156.5378009	3/8/1999	30.33	0.34
89.58148958	127.5090099	91.11264105	3/9/1999	29.58	0.76

95.50899529	140.1525486	100.4266169	3/10/1999	32.42	0.82
139.7816247	192.0496264	142.7030703	3/11/1999	37.46	0.46
137.6323592	187.4034982	138.220649	3/12/1999	40.21	0.41
101.7465788	146.5153882	105.6744685	3/13/1999	39.71	0.48
69.99935873	110.0597003	72.62825878	3/14/1999	37.54	0.89
99.28112956	151.5946779	100.9732775	3/15/1999	38	0.82
84.65497428	124.9855573	87.20479387	3/16/1999	43.21	0.52
60.09930298	93.12324671	62.60341478	3/17/1999	59	0.39
84.18412817	136.1872641	92.45126986	3/18/1999	63.63	0.33
99.46559847	153.776994	103.5847778	3/19/1999	48.38	0.44
95.90640598	134.3313447	101.0563104	3/20/1999	43.92	0.46
65.58084958	105.5423273	67.20891646	3/21/1999	46.17	0.82
136.1783697	193.3901265	143.042864	3/22/1999	45.63	0.52
68.87498709	101.3107156	71.04698793	3/23/1999	45.33	0.58
41.89637933	79.05757679	41.64299794	3/24/1999	53.96	0.7
86.06965355	133.5923479	89.9292269	3/25/1999	50.79	0.55
147.1630037	205.2232915	151.849045	3/26/1999	42.08	0.51
140.5912729	203.1286265	142.1267789	3/27/1999	42.75	0.57
97.38850136	145.1699495	100.2233508	3/28/1999	50.54	0.53
73.59139279	116.4005265	78.63392068	3/29/1999	58.21	0.38
93.29964359	155.4656784	100.7419577	3/30/1999	56.33	0.29
93.06724103	159.2202705	95.91626797	3/31/1999	56.83	0.41
12.98173327	38.61222227	16.52819236	4/1/1999	61.88	0.83
8.009522604	29.47424965	17.37613997	4/2/1999	65.33	0.77
30.91426688	72.40897219	36.71521564	4/3/1999	60.04	0.78
11.79484997	47.19578967	21.99379138	4/4/1999	69.21	0.73
136.7567823	199.6755418	141.6477916	4/5/1999	51.5	0.57
116.7153021	186.2293026	121.5745278	4/6/1999	53.92	0.66
50.53018732	87.69102872	57.96971763	4/7/1999	66.17	0.6
47.14615045	90.27515098	56.47891419	4/8/1999	68.38	0.5
34.45879717	86.04250533	44.72920238	4/9/1999	69.67	0.69
125.2491806	193.971367	130.2243721	4/10/1999	54.29	0.69
102.1586038	158.6983781	109.2990868	4/11/1999	49.13	0.91
147.8746556	210.8239027	153.155048	4/12/1999	52	0.7
204.044305	281.6141468	216.4926063	4/13/1999	52.42	0.41
179.7076004	247.2221241	186.3574821	4/14/1999	57.58	0.32
113.5432517	169.7273669	116.6543355	4/15/1999	50.79	0.71
153.2217796	227.8951031	160.5659186	4/16/1999	57.58	0.6
227.5228059	303.9879823	233.8339525	4/17/1999	55.92	0.34
157.5113737	215.4867073	164.5872742	4/18/1999	53.29	0.47
137.5019686	192.6065049	145.2575577	4/19/1999	52.71	0.57
129.6305735	184.5659417	133.65219	4/20/1999	57.88	0.61
100.2407967	143.376422	103.8346339	4/21/1999	50.96	0.77
61.09518698	114.5030967	67.55491639	4/22/1999	66.78	0.64
57.68058808	113.7922055	66.45208273	4/23/1999	72.96	0.61
187.460418	249.4437508	188.4241094	4/24/1999	53.54	0.57
129.8252966	174.5817044	127.0861543	4/25/1999	52.38	0.6
132.4140522	206.3396125	137.1783805	4/26/1999	62	0.66
126.9174859	182.5738334	131.9099759	4/27/1999	59.75	0.58
129.5007864	181.6650389	134.891189	4/28/1999	52.29	0.72
118.3792507	165.0685711	120.8315028	4/29/1999	50.88	0.79
226.2378639	301.4749563	228.5352987	4/30/1999	52.17	0.59

230.0841563	305.634925	232.0456483	5/1/1999	53.13	0.59
197.4141112	272.2288769	201.2689509	5/2/1999	52.75	0.7
150.795057	217.2404819	156.1723685	5/3/1999	56.58	0.68
60.34443885	98.39382681	60.67397477	5/4/1999	63.17	0.74
45.8203699	94.29111911	50.87203082	5/5/1999	64.88	0.79
36.17060963	79.68554653	35.79954331	5/6/1999	69.21	0.81
41.61100562	81.26001308	47.21758516	5/7/1999	74	0.68
112.669537	177.4421992	111.4696588	5/8/1999	73.38	0.58
85.66179747	143.8447878	83.73223045	5/9/1999	70	0.53
135.4531353	192.8044381	131.0609648	5/10/1999	67.92	0.54
113.507231	163.2049623	117.4198511	5/11/1999	67.38	0.59
107.3164694	156.2141723	107.3400246	5/12/1999	67.67	0.64
100.4145775	156.6758962	99.66464488	5/13/1999	64.58	0.86
205.3224887	281.7563157	205.7710238	5/14/1999	54.54	0.86
236.5474187	313.138892	235.9621291	5/15/1999	58.5	0.66
174.4676165	244.7383073	174.8173574	5/16/1999	58.42	0.79
103.2551994	162.7745927	104.851942	5/17/1999	61.79	0.86
105.009408	164.2600057	105.9763452	5/18/1999	65.38	0.76
135.3102408	205.1965982	135.9489366	5/19/1999	67.92	0.69
211.2266613	283.0557699	211.6184886	5/20/1999	65.96	0.49
132.7981143	186.1173688	131.6209116	5/21/1999	66.5	0.59
117.4217831	176.9749375	119.0387659	5/22/1999	70.83	0.67
112.7887079	178.6650509	113.9476658	5/23/1999	71.75	0.75
206.6070292	285.5110118	207.137781	5/24/1999	70.58	0.65
245.4999883	314.8771779	248.013863	5/25/1999	62.54	0.58
214.8208385	287.7287316	216.4906843	5/26/1999	65.75	0.64
229.0499002	292.9749012	230.8078235	5/27/1999	64.96	0.52
153.342405	206.63792	152.5424956	5/28/1999	68.71	0.54
114.1182911	160.8826429	119.3467487	5/29/1999	72.92	0.55
116.5400678	161.7168573	116.3590258	5/30/1999	74.67	0.58
145.5612583	205.1979787	143.588095	5/31/1999	74.21	0.61
205.560436	285.4519273	207.4382324	6/1/1999	73.25	0.62
242.5294851	328.5746163	243.7531723	6/2/1999	76.92	0.6
202.9303043	284.387589	209.8710063	6/3/1999	78.54	0.58
256.5287534	327.1916271	262.2366379	6/4/1999	70.42	0.56
194.6820265	249.3671553	196.5838851	6/5/1999	67.5	0.62
128.6140283	175.1795625	128.8215877	6/6/1999	71.33	0.69
129.4839239	184.987239	132.3605722	6/7/1999	78.63	0.61
99.8663578	163.1772334	99.43970949	6/8/1999	84.25	0.55
136.2230404	207.6953121	132.1001871	6/9/1999	85.17	0.48
228.7193709	298.2214502	229.8829164	6/10/1999	72.08	0.77
260.3905438	329.3687911	264.4027598	6/11/1999	70.04	0.64
278.7071749	354.7786532	282.8340354	6/12/1999	65.46	0.85
145.3708168	201.6552681	148.8404175	6/13/1999	70.21	0.91
162.574742	227.1871492	165.9861491	6/14/1999	78.29	0.69
160.5663487	223.0144061	163.166455	6/15/1999	70.63	0.84
186.4917778	246.6200184	190.1849457	6/16/1999	67.58	0.84
189.1120821	251.3835846	191.9014259	6/17/1999	64.92	0.93
316.2277791	390.6745259	320.0291843	6/18/1999	62.08	0.75
259.3726327	331.9587417	261.8595636	6/19/1999	65.88	0.72
254.4712152	326.4980473	258.0240568	6/20/1999	60.58	0.98
214.2875284	285.7567301	219.356235	6/21/1999	63.38	0.95

195.745408	257.0826539	198.4086021	6/22/1999	68.17	0.75
194.6740594	251.4961435	197.445992	6/23/1999	67.88	0.66
160.7931296	220.770994	162.3013579	6/24/1999	68.25	0.77
112.3933521	162.3982793	113.2460436	6/25/1999	71.83	0.87
85.52074649	143.198006	92.11733584	6/26/1999	77.54	0.81
97.72997044	163.5076895	103.6124051	6/27/1999	79.04	0.84
152.6774254	234.547236	159.8527891	6/28/1999	78.67	0.83
132.9104042	213.8057097	133.543634	6/29/1999	80.88	0.8
119.4276517	178.5628233	126.7934554	6/30/1999	73.08	0.95
170.7830914	252.5508275	174.1200123	7/1/1999	77.38	0.87
193.5072566	275.6207229	197.9805508	7/2/1999	79.29	0.76
125.6152832	189.4044133	129.2960748	7/3/1999	81.71	0.77
98.97619829	159.9847655	101.3219732	7/4/1999	83.63	0.76
82.41121034	145.4189702	98.42520907	7/5/1999	87.67	0.69
109.4589975	174.7678925	104.7976827	7/6/1999	88	0.67
168.6178267	214.7153138	168.4655113	7/7/1999	80.58	0.79
230.9434798	271.9711278	233.8573723	7/8/1999	78.88	0.66
220.0130898	277.7424479	227.9036915	7/9/1999	82.75	0.66
266.9784405	345.4536059	274.8930616	7/10/1999	81.04	0.68
379.2490368	457.8574011	386.9086072	7/11/1999	71.33	0.49
306.0468882	378.1045906	314.6484139	7/12/1999	65.5	0.82
285.8153831	359.8712945	291.8234091	7/13/1999	65.25	0.9
206.9912843	271.5762905	209.2516822	7/14/1999	66.67	0.93
154.4421253	210.3839048	162.1815678	7/15/1999	73.79	0.79
166.0913402	229.7083844	172.2532601	7/16/1999	76.38	0.77
165.3445726	233.1429695	170.6546128	7/17/1999	77.54	0.76
130.3047101	191.9025777	132.7739442	7/18/1999	79.54	0.76
209.1243481	286.7330229	217.4268594	7/19/1999	81.33	0.68
157.4775162	221.5771604	166.3920621	7/20/1999	82.04	0.73
174.0014463	230.7038021	176.0176549	7/21/1999	77.83	0.86
146.3302808	206.1722193	147.1554979	7/22/1999	81.63	0.79
169.7401307	230.0575118	172.7800837	7/23/1999	83.33	0.72
198.5934887	257.3528211	200.5810904	7/24/1999	80.17	0.82
221.7511979	274.3484808	224.3641032	7/25/1999	81.42	0.71
237.2197861	286.3548673	244.1978617	7/26/1999	81.46	0.63
211.7436706	258.1399832	215.4229624	7/27/1999	82.13	0.61
207.3080884	251.8621948	211.8312474	7/28/1999	81.5	0.69
217.2436698	267.5145386	220.0006861	7/29/1999	78.63	0.75
186.355856	233.0898483	190.0273233	7/30/1999	84.25	0.65
173.245022	220.9947451	178.8379722	7/31/1999	87.42	0.61
190.8498559	240.1833244	194.0508857	8/1/1999	84.13	0.72
402.1542985	462.1908947	406.3568708	8/2/1999	79.08	0.57
377.0798075	430.1372628	383.3318569	8/3/1999	76.38	0.59
262.2812654	303.5241018	265.5967452	8/4/1999	76.17	0.67
267.609218	326.4768783	269.9900613	8/5/1999	79.5	0.62
282.6840328	341.5702864	286.5405077	8/6/1999	78.54	0.57
254.3145219	313.9790813	257.3341592	8/7/1999	79.46	0.64
287.369955	377.6469987	292.4897909	8/8/1999	83.92	0.66
338.8067153	415.8313971	341.871023	8/9/1999	75.25	0.61
280.3429257	343.4739607	283.0117274	8/10/1999	73.67	0.69
281.5024971	361.3565877	287.9207487	8/11/1999	81.67	0.62
165.9144995	227.0241805	168.476576	8/12/1999	79.71	0.78

195.2186776	272.2699938	199.9969547	8/13/1999	83	0.79
203.875494	285.3767618	208.7701826	8/14/1999	81.13	0.82
196.455904	244.1426496	198.1682826	8/15/1999	76.42	0.82
214.2195211	261.2343339	220.8140593	8/16/1999	77.46	0.73
212.8439766	280.6038032	214.7617441	8/17/1999	82.29	0.72
181.4506905	231.8662228	180.6756396	8/18/1999	81.67	0.7
284.6059058	343.9087648	287.0531838	8/19/1999	78.29	0.66
253.4146975	324.428033	256.1648605	8/20/1999	74.67	0.81
224.4379875	288.7733297	227.5255859	8/21/1999	72.29	0.85
215.4439145	273.8156004	216.9289409	8/22/1999	72.46	0.78
211.038888	277.034273	212.9477986	8/23/1999	72.13	0.84
263.0187189	338.4117842	264.3589316	8/24/1999	75.25	0.7
191.7384755	259.1627307	192.8289024	8/25/1999	73.25	0.92
179.2539998	247.5645423	181.4740622	8/26/1999	73.25	0.92
155.7789608	214.6283659	157.619086	8/27/1999	75.71	0.82
158.0709749	215.5794763	158.3334757	8/28/1999	77.54	0.75
146.8509462	201.9917048	148.1259811	8/29/1999	78.04	0.75
590.4045265	707.9189673	588.6473597	8/30/1999	66.5	0.59
440.6034269	540.7386912	441.3427604	8/31/1999	65.58	0.67
408.3551629	506.489895	406.7649172	9/1/1999	68.92	0.63
324.1780825	427.1971617	316.4454139	9/2/1999	71.04	0.69
195.4354652	278.2556968	194.9314783	9/3/1999	72.08	0.87
164.2859049	252.7007578	163.0866363	9/4/1999	73.46	0.95
151.660371	237.3194675	147.2740405	9/5/1999	75.63	0.9
147.2602969	214.5408383	142.8734064	9/6/1999	73.25	0.92
99.32883188	152.649782	97.74397422	9/7/1999	76.88	0.85
120.9963242	172.5567021	119.3601761	9/8/1999	72	0.9
115.095778	169.5995492	112.6062483	9/9/1999	74.92	0.92
162.474326	216.1603097	157.5378343	9/10/1999	72.42	0.8
196.3677859	242.0280036	191.2056205	9/11/1999	68.42	0.62
172.5249644	215.8380294	163.7208425	9/12/1999	67.83	0.71
152.001244	201.9933774	135.3842991	9/13/1999	68.08	0.8
129.2640413	181.4607226	111.0537268	9/14/1999	69.96	0.92
178.1439373	256.2431557	146.2692449	9/15/1999	69.33	0.99
451.7351937	577.6862576	417.8620619	9/16/1999	65.38	0.85
263.9800454	331.358551	241.6144668	9/17/1999	63.92	0.64
166.2699001	204.3237552	149.8820734	9/18/1999	62.13	0.74
172.5599731	226.207679	156.4073327	9/19/1999	63.71	0.76
151.4075964	199.8323386	129.9917349	9/20/1999	66.38	0.8
187.8305285	248.1394508	156.951393	9/21/1999	62.29	0.96
380.6380697	462.0602328	341.5890264	9/22/1999	55.33	0.71
219.5270069	278.6549958	190.6027371	9/23/1999	57.67	0.7
224.766294	285.8376593	193.0016187	9/24/1999	63.17	0.71
126.8381427	181.6539347	113.9172364	9/25/1999	67.54	0.74
79.49980265	133.0774407	66.68457751	9/26/1999	70.13	0.86
62.22302642	101.8015873	42.41786459	9/27/1999	70.46	0.97
112.0847257	167.5257319	82.77811252	9/28/1999	67.92	0.96
108.9967239	171.1826029	74.42319861	9/29/1999	71.17	0.89
235.3461812	302.2872128	199.8525797	9/30/1999	62.33	0.72
161.0548942	207.3250118	136.0042729	10/1/1999	58.83	0.73
156.0197113	210.2298251	132.7878257	10/2/1999	61.96	0.77
129.324094	189.9979372	100.6172476	10/3/1999	68.75	0.81

115.4018402	180.1838308	86.38814455	10/4/1999	68.75	0.88
288.9116604	368.7647184	245.1947052	10/5/1999	55.79	0.77
163.205615	204.7536406	133.5117779	10/6/1999	54.17	0.75
219.507762	280.6000201	179.6306881	10/7/1999	53.67	0.76
168.6510059	220.3652956	138.1621905	10/8/1999	54.17	0.78
126.1036234	180.7234589	95.78155409	10/9/1999	64.33	0.84
96.92237708	159.296262	60.10138467	10/10/1999	67.21	0.94
86.00191223	141.9598145	61.16992828	10/11/1999	67.88	0.86
182.7529777	241.2495624	153.3925361	10/12/1999	58.13	0.71
133.3118241	183.1348971	106.2226344	10/13/1999	60.42	0.87
263.664865	336.7199716	229.6637246	10/14/1999	59.08	0.61
160.2786596	205.6111311	138.4355305	10/15/1999	53.71	0.75
96.43768816	139.0817568	77.19504347	10/16/1999	61.58	0.86
97.46310268	159.6972236	78.44641546	10/17/1999	64.25	0.98
269.0028428	354.8854139	240.1825795	10/18/1999	58.79	0.69
154.2507703	197.9776679	140.6730552	10/19/1999	54.21	0.75
148.1380267	199.6409422	134.9582244	10/20/1999	52.88	0.95
144.2335656	190.854505	133.131727	10/21/1999	51.92	0.82
180.5945443	240.6363776	171.0582799	10/22/1999	53.38	0.8
224.9831932	287.5213745	213.9723027	10/23/1999	49	0.68
215.6646376	272.6758484	204.9754778	10/24/1999	44.92	0.74
157.375541	201.1811733	149.8776752	10/25/1999	45.96	0.77
171.8867011	231.9675088	165.6017726	10/26/1999	51.58	0.75
144.2438699	195.5702176	137.4361891	10/27/1999	52.29	0.74
112.0400275	152.2654782	107.5516273	10/28/1999	48.71	0.84
82.01868074	122.1170066	79.63115533	10/29/1999	53.25	0.86
73.48371331	114.2456304	68.30180009	10/30/1999	56.29	0.91
47.76134165	97.48477721	49.18744285	10/31/1999	62.38	0.9
65.98512119	103.6301536	58.7874561	11/1/1999	63.33	0.82
109.2647802	183.151963	105.5016743	11/2/1999	62.79	0.87
312.4037487	394.7970291	307.8189831	11/3/1999	46.96	0.49
192.2894383	239.4861878	187.8478008	11/4/1999	42.83	0.59
170.4906334	227.5608814	170.9554754	11/5/1999	49.67	0.61
123.0298083	175.1513261	117.3558667	11/6/1999	58.29	0.67
192.3323565	249.8458297	185.195146	11/7/1999	53.17	0.52
117.1196329	159.8285721	117.2943879	11/8/1999	45.13	0.7
102.470603	151.4316807	99.88548025	11/9/1999	55.21	0.8
76.10759543	137.716159	72.77298718	11/10/1999	64.29	0.74
93.60617299	143.2226177	85.31437526	11/11/1999	55.5	0.89
103.3591011	148.4807717	101.2857834	11/12/1999	48.21	0.84
83.15386571	126.1081097	82.13549384	11/13/1999	52.13	0.85
109.1204533	171.0399027	106.8235882	11/14/1999	61.38	0.71
212.734848	275.2656893	207.9435359	11/15/1999	47.25	0.55
223.0325339	282.668387	218.4250672	11/16/1999	43.63	0.54
144.3578146	191.3542682	146.8500614	11/17/1999	39.75	0.59
130.0218802	169.8533641	126.2033376	11/18/1999	41.25	0.7
106.6872982	152.7795463	106.5184755	11/19/1999	50.25	0.76
52.59707126	96.44601784	49.40868788	11/20/1999	58.33	0.87
36.76027697	69.81744695	36.11910127	11/21/1999	58.42	0.89
31.84175467	61.41035004	27.77384821	11/22/1999	61.42	0.86
36.35871853	67.65727517	32.7835192	11/23/1999	57.88	0.99
17.17937397	54.51360185	19.42694941	11/24/1999	59.42	0.97

19.00272949	59.53095784	18.48075475	11/25/1999	62.21	0.93
39.01936795	104.2640538	40.67562111	11/26/1999	63.71	0.89
133.5827494	190.1649462	129.847518	11/27/1999	54.13	0.67
132.7532964	181.5923479	129.113409	11/28/1999	49.5	0.6
159.0340524	209.5909827	159.3080512	11/29/1999	43.79	0.54
282.0685936	359.7531631	282.2356581	11/30/1999	35.75	0.48
265.686642	335.4506628	264.8227152	12/1/1999	30.42	0.47
122.5139933	157.026064	122.7539207	12/2/1999	37.35	0.42
115.7865254	163.8393774	115.1666562	12/3/1999	46.13	0.48
98.40786713	151.1160461	89.34016383	12/4/1999	57.13	0.49
92.14271821	154.8151792	91.32581857	12/5/1999	57.33	0.67
49.81601516	107.8891282	39.75137462	12/6/1999	57.92	0.9
159.2490821	215.4696103	157.8235186	12/7/1999	43.08	0.62
86.7366266	124.2932841	92.1167336	12/8/1999	39.83	0.75
89.21818165	131.7630063	92.71991951	12/9/1999	44.79	0.72
67.1348836	117.4182121	63.40310098	12/10/1999	53.92	0.86
157.2353241	208.9943768	156.4825394	12/11/1999	42.46	0.48
85.28069853	120.6432062	84.45247351	12/12/1999	39.79	0.63
45.42238339	83.53274428	46.55025567	12/13/1999	51.04	0.83
53.49009022	103.9002328	51.98089543	12/14/1999	50.29	0.97
67.71079973	111.267789	67.54244617	12/15/1999	45.21	0.93
144.3076278	200.7931899	145.2026986	12/16/1999	45.21	0.54
153.102091	207.0818232	152.8706448	12/17/1999	42.5	0.46
95.24489328	134.3943597	96.21880034	12/18/1999	44.42	0.56
102.7759232	153.7320069	104.6767403	12/19/1999	44.63	0.85
66.44757766	112.1020243	64.40177771	12/20/1999	45.88	0.98
61.53113161	102.0472449	62.62577961	12/21/1999	44.83	0.94
117.8011946	165.5670798	121.8650844	12/22/1999	34.75	0.85
98.2287813	140.976012	105.5111695	12/23/1999	32.92	0.84
138.0059791	184.3240884	142.4669613	12/24/1999	28.17	0.67
156.1380778	205.6781867	157.282838	12/25/1999	24.33	0.56
177.7720577	236.155837	175.6170661	12/26/1999	34.96	0.49
93.1059544	133.8436344	97.78388146	12/27/1999	35.25	0.57
99.12625573	138.0538431	103.2031194	12/28/1999	32.67	0.64
105.2883149	149.7982622	105.2459372	12/29/1999	34.25	0.62
113.0720674	165.8427801	113.3569585	12/30/1999	47.04	0.49
53.96122471	81.9941468	54.04317185	12/31/1999	47.96	0.59
52.24827634	79.78795307	51.00631193	1/1/2000	45.5	0.75
33.85225909	76.89298197	35.06318787	1/2/2000	54.79	0.74
8.086294611	36.10357869	17.9597728	1/3/2000	62.33	0.78
9.880032186	45.11336469	18.96353774	1/4/2000	63.5	0.78
141.0069596	200.5184823	146.4467797	1/5/2000	42.21	0.5
81.83771281	114.4849327	82.22750631	1/6/2000	37.92	0.69
95.45431053	143.5321923	103.6016211	1/7/2000	44.96	0.54
78.54616874	117.3084428	85.2041277	1/8/2000	38.29	0.61
54.65110322	91.97518958	57.59722268	1/9/2000	42.54	0.82
37.28058777	91.99854785	42.10564394	1/10/2000	52.83	0.82
122.0583086	190.4736179	123.0654776	1/11/2000	51.92	0.41
93.38567602	130.6401621	95.02802828	1/12/2000	43.75	0.43
142.0651083	211.7640128	143.832922	1/13/2000	48.75	0.53
183.7267232	245.0048438	186.5829008	1/14/2000	29.13	0.41
113.3607974	156.0724104	119.5652195	1/15/2000	28.17	0.52

138.4807367	195.5831273	137.2255182	1/16/2000	46.17	0.42
204.2829666	264.7574247	203.9226326	1/17/2000	27.17	0.29
104.0218716	135.6036284	103.8919079	1/18/2000	22.5	0.47
86.83173731	122.6962787	89.3005923	1/19/2000	30.33	0.66
143.0427787	188.9548711	133.0635949	1/20/2000	33.75	0.7
171.8660542	215.883808	174.2064381	1/21/2000	24.54	0.37
93.31235672	118.8572833	95.91918024	1/22/2000	20.42	0.51
81.26914551	108.1069032	82.11046127	1/23/2000	27.33	0.85
110.375889	152.9505797	116.1580988	1/24/2000	32.46	0.79
149.0648521	197.2290273	149.9227308	1/25/2000	28.83	0.87
117.0598663	149.2935016	120.2991805	1/26/2000	27.33	0.53
129.911489	167.4422553	132.4631119	1/27/2000	22.04	0.47
89.88477064	121.3811722	94.86065531	1/28/2000	18.22	0.53
84.18155798	115.8424197	90.23887694	1/29/2000	25.63	0.53
63.26328882	93.39720997	67.39906483	1/30/2000	29.29	0.88
70.09819904	101.5074263	72.68953948	1/31/2000	31.04	0.86
84.19888381	116.2320617	88.68863383	2/1/2000	30.5	0.7
95.67741434	127.9480411	94.33925094	2/2/2000	30.92	0.54
83.6018939	114.670131	82.13867078	2/3/2000	35.54	0.57
53.428943	77.01371442	52.46303899	2/4/2000	37.79	0.65
79.26262572	115.8448942	81.08685319	2/5/2000	36.63	0.55
69.95570929	106.2536759	71.71307818	2/6/2000	36.13	0.5
66.53806942	105.9421456	65.45060912	2/7/2000	41.92	0.5
68.69437494	106.7198872	70.24751751	2/8/2000	35.42	0.57
46.88886772	74.74336391	46.19962279	2/9/2000	37.46	0.72
33.16564012	68.25277725	34.97826398	2/10/2000	45.17	0.61
34.7019398	70.57211987	35.50862216	2/11/2000	52.33	0.59
86.88890811	138.547298	88.81046488	2/12/2000	32.63	0.79
47.4041625	75.12826867	45.72182877	2/13/2000	31.33	0.9
13.80089972	54.53040848	18.74841446	2/14/2000	51.38	0.83
59.83792286	102.1637291	61.26185909	2/15/2000	42.63	0.63
38.93845409	85.00536268	39.34295679	2/16/2000	50.25	0.71
108.5945957	161.5986458	107.6313397	2/17/2000	39.42	0.51
55.61753396	94.01466288	52.7438102	2/18/2000	38.88	0.9
12.89367798	53.68773145	18.93767658	2/19/2000	53.42	0.83
56.40872382	88.6008798	52.93706967	2/20/2000	39.79	0.71
58.08311637	87.50683872	58.26040716	2/21/2000	38.29	0.69
52.48737889	84.69672306	48.6227002	2/22/2000	40.08	0.73
32.314397	58.36418416	29.79160057	2/23/2000	45.96	0.76
13.77013985	53.07468059	16.98657739	2/24/2000	55.33	0.79
4.989474322	23.23377634	12.04044757	2/25/2000	61.17	0.75
17.70075644	61.42587703	22.22182459	2/26/2000	49.58	0.96
12.49997574	52.36162491	16.13582362	2/27/2000	55.38	0.94
66.17783201	131.0176281	62.86028109	2/28/2000	53.58	0.6
84.05002646	126.1647599	76.90030097	2/29/2000	47.83	0.46
56.7290463	113.1438659	59.89137862	3/1/2000	53.29	0.64
79.71004238	142.4130972	76.23734778	3/2/2000	52.29	0.6
94.70028358	138.0589964	88.52034929	3/3/2000	43.63	0.53
70.30170512	110.6474064	71.48595736	3/4/2000	44.17	0.53
82.00759	141.7131375	79.65704134	3/5/2000	53.71	0.51
83.61400092	142.4097245	80.82545543	3/6/2000	53.58	0.51
58.98665182	102.0897865	53.19495178	3/7/2000	52.79	0.65

29.20356477	61.2162915	29.28541476	3/8/2000	68.21	0.53
46.16650274	102.7504495	46.11864442	3/9/2000	70.17	0.51
42.90062818	94.75855736	47.85337276	3/10/2000	65.46	0.51
38.84587101	99.64185384	35.2587709	3/11/2000	61.42	0.79
156.8724363	243.4511714	151.4305844	3/12/2000	51.58	0.66
140.3391186	192.1621076	128.7652032	3/13/2000	40.04	0.54
114.6275775	161.9519192	100.2997579	3/14/2000	46.13	0.6
116.9558059	176.5110147	105.4640424	3/15/2000	55.5	0.49
49.02349521	103.8244563	44.17181404	3/16/2000	59.17	0.77
144.6374227	228.4230604	126.1538175	3/17/2000	52.79	0.71
199.5870588	269.7537745	189.5061039	3/18/2000	35.54	0.5
136.7543956	192.7927656	120.9854321	3/19/2000	41.04	0.77
121.8103871	186.3202475	104.5487961	3/20/2000	44.71	0.87
112.302737	175.6729363	90.76799107	3/21/2000	44.67	0.97
139.5715809	211.3688332	114.9046394	3/22/2000	43.13	0.95
74.65930625	125.3633337	60.59844031	3/23/2000	50.33	0.8
49.7973121	87.84066857	38.90010929	3/24/2000	54.38	0.73
50.82381026	105.3028228	38.25072714	3/25/2000	61.79	0.67
106.8453701	173.5134201	95.16409634	3/26/2000	63.08	0.41
83.01060444	133.6854032	63.41466165	3/27/2000	55.5	0.73
134.8142267	190.9328775	110.6408371	3/28/2000	52.58	0.65
165.8972666	223.0358155	143.7773888	3/29/2000	50.46	0.47
84.66292859	123.2010045	70.2059561	3/30/2000	49.79	0.66
140.8681768	192.1567786	117.780077	3/31/2000	51.04	0.5
107.1933511	154.9587004	86.57857246	4/1/2000	53.83	0.56
105.3666708	165.9415073	75.43956457	4/2/2000	58	0.68
21.7012335	71.79649147	13.01140185	4/3/2000	66.08	0.82
126.9370127	208.478868	67.01657877	4/4/2000	61.92	0.64
234.8861592	299.0601988	179.0050407	4/5/2000	48.42	0.36
179.851151	257.3432637	136.4108001	4/6/2000	63.33	0.39
106.5513855	154.7897681	72.64859764	4/7/2000	68	0.43
161.4537184	239.5886131	109.4811227	4/8/2000	61.29	0.64
285.975277	360.6006226	243.9511734	4/9/2000	46.96	0.46
142.2655684	193.2385597	120.2432681	4/10/2000	56.42	0.45
90.10850851	150.2022869	71.58831091	4/11/2000	63.54	0.54
139.7757221	195.2666574	117.4812613	4/12/2000	57.92	0.6
174.8777972	223.4140173	155.8116546	4/13/2000	45.92	0.57
110.2168427	154.0458396	96.82812033	4/14/2000	51.46	0.74
35.62737434	68.56163151	24.32009549	4/15/2000	57.92	0.99
14.83269502	48.1624651	16.53701676	4/16/2000	66.38	0.81
50.40476563	105.1906345	42.36016626	4/17/2000	61.13	0.9
175.6305239	255.0687311	157.1087986	4/18/2000	49.21	0.97
149.7478804	205.1526147	132.7978973	4/19/2000	52.38	0.81
89.03389948	133.2497291	83.25796415	4/20/2000	58.21	0.76
82.58939326	138.2988371	67.16447526	4/21/2000	62	0.82
117.4001176	169.4460642	110.0195329	4/22/2000	53.63	0.77
123.2964698	180.0230179	119.7393165	4/23/2000	56.42	0.64
106.4376537	145.6454408	101.7421818	4/24/2000	55.21	0.64
158.3716739	220.73161	152.1383466	4/25/2000	48.88	0.92
132.5160279	179.5759991	131.5142768	4/26/2000	49	0.72
122.5489614	172.4931783	119.0297121	4/27/2000	48.96	0.88
93.84238977	139.4152402	90.94852596	4/28/2000	52.5	0.88

98.81916527	141.3139153	94.55825902	4/29/2000	54.96	0.75
132.7558525	192.6885749	129.7508793	4/30/2000	61.25	0.54
136.8187782	207.2758912	129.9400679	5/1/2000	64.5	0.54
125.7492821	201.4836041	124.7687916	5/2/2000	67.96	0.53
110.1446157	164.9018199	120.1670122	5/3/2000	60.21	0.63
106.9811977	149.9402185	104.3596996	5/4/2000	63.58	0.7
78.21349618	127.2499633	74.55472645	5/5/2000	71.33	0.64
29.91016858	67.96390342	47.85588107	5/6/2000	75.58	0.65
45.15321916	99.56061863	65.60414543	5/7/2000	78.46	0.59
102.4493986	166.4346466	104.1355803	5/8/2000	76.46	0.56
114.4749628	188.5865022	119.6885303	5/9/2000	77.17	0.6
170.4646918	272.7464071	172.354442	5/10/2000	76	0.55
161.4270524	212.5464169	158.0392314	5/11/2000	66	0.54
144.6614669	228.7309286	145.1167406	5/12/2000	75.96	0.57
81.62095287	141.8168524	87.23798763	5/13/2000	80.17	0.64
191.5186027	265.1002016	203.8482705	5/14/2000	68.79	0.55
266.8069906	336.3003259	274.0227556	5/15/2000	62.46	0.42
198.1626778	251.5971487	200.6010821	5/16/2000	62.83	0.53
147.6412551	209.0390768	151.3991822	5/17/2000	67.79	0.66
194.0019409	303.0734745	204.2255095	5/18/2000	76.46	0.64
120.0423056	199.7544726	125.4315961	5/19/2000	75.29	0.73
122.2405619	177.9460697	125.1478418	5/20/2000	64.88	0.97
136.6179956	193.4807396	143.5560232	5/21/2000	62.58	0.93
133.4213823	191.9960848	134.4402882	5/22/2000	63.38	0.92
142.8982927	199.7217402	144.9523083	5/23/2000	65.25	0.86
145.5199303	218.6165733	147.5003198	5/24/2000	76.17	0.67
137.2789188	200.3602664	140.8813841	5/25/2000	73.58	0.74
175.1210886	234.1068221	182.500553	5/26/2000	69.13	0.6
147.6970956	202.6176182	149.6043486	5/27/2000	66.04	0.86
165.5204506	222.6628808	167.2422068	5/28/2000	61.43	0.96
291.3999386	368.9636197	293.715255	5/29/2000	55.58	0.89
282.6186816	354.3305971	286.3121138	5/30/2000	56.17	0.76
141.4518057	194.2245402	143.4911929	5/31/2000	63.46	0.75
85.37364467	133.5283814	87.55528946	6/1/2000	73.33	0.75
54.33976652	114.3054899	57.199215	6/2/2000	80.75	0.73
194.1226767	272.7966417	196.6704199	6/3/2000	73.04	0.66
176.4695446	231.0267387	180.9506227	6/4/2000	66.42	0.7
178.0723038	237.5942993	181.9427305	6/5/2000	63.25	0.9
201.7319567	272.1591183	213.786471	6/6/2000	63.75	0.87
289.0919557	369.4454031	289.0831598	6/7/2000	65.83	0.58
267.1728812	347.1415027	268.7909668	6/8/2000	69.54	0.57
177.6299081	245.4200197	181.0833585	6/9/2000	73.5	0.61
129.7735303	194.7100011	132.8450039	6/10/2000	77.46	0.68
117.3204782	189.0596532	121.4924543	6/11/2000	78.83	0.7
88.09454801	154.4379915	97.91426011	6/12/2000	81.08	0.69
112.466092	168.7871058	119.0392423	6/13/2000	77.5	0.82
133.635204	191.9168757	142.0575652	6/14/2000	71.21	0.93
140.7677657	201.7462936	148.8578054	6/15/2000	76.67	0.85
163.2650533	236.6701204	178.2623636	6/16/2000	77.25	0.82
158.9667241	241.6685657	174.2064775	6/17/2000	81.13	0.73
140.5962594	208.0418694	150.3989062	6/18/2000	77.88	0.83
147.4863834	210.8354289	158.3678444	6/19/2000	73.08	0.91

214.6247063	283.0059768	222.9230723	6/20/2000	71.83	0.72
232.2458694	313.5813081	240.2266703	6/21/2000	75.96	0.76
180.6563112	251.4085885	187.9753562	6/22/2000	79.29	0.72
214.7697903	283.2900538	225.3008238	6/23/2000	78.83	0.58
168.5539703	232.3481603	176.8456131	6/24/2000	79.08	0.69
194.5541715	267.6609428	200.5108208	6/25/2000	80.33	0.73
234.2467902	318.7148598	243.7339039	6/26/2000	81.58	0.71
256.8182812	336.2656475	262.4366495	6/27/2000	78.08	0.75
162.7485467	217.9821954	169.6208775	6/28/2000	73.08	0.93
186.8288116	248.4153463	195.7857141	6/29/2000	72.67	0.85
238.7872955	302.5143793	247.5838618	6/30/2000	72.5	0.67
173.0983833	219.9192917	176.7782318	7/1/2000	72.71	0.67
215.181102	278.0994369	221.0896249	7/2/2000	74.79	0.65
283.7913945	365.9782211	290.0774228	7/3/2000	77.67	0.65
221.2458322	297.4026961	225.6674635	7/4/2000	79.33	0.73
137.223812	189.940663	144.8641989	7/5/2000	78.54	0.79
199.4853024	257.9528598	204.8750434	7/6/2000	77.04	0.69
283.1267435	355.8354237	289.5508956	7/7/2000	73.58	0.64
268.7091214	330.4498177	274.115499	7/8/2000	68.83	0.67
245.1427755	312.0363715	248.6881207	7/9/2000	76.79	0.71
213.8237096	289.6813612	216.9411692	7/10/2000	83.33	0.69
188.7145	256.120588	193.1697981	7/11/2000	76.42	0.81
225.4671766	289.2053283	233.4060357	7/12/2000	73.92	0.75
195.2291916	246.9674088	196.9625126	7/13/2000	71.92	0.71
230.7803711	299.0321085	230.0164563	7/14/2000	76.75	0.75
202.7611154	261.7431546	201.5778894	7/15/2000	72.96	0.82
185.0178078	243.0204153	185.1538124	7/16/2000	73.38	0.84
172.5495073	227.9589513	172.3391439	7/17/2000	74.21	0.8
209.8970676	277.4621081	210.3599914	7/18/2000	78.25	0.73
189.9511385	254.5586427	192.1984719	7/19/2000	75.25	0.87
296.1734881	371.097203	296.5714903	7/20/2000	70	0.81
186.2729775	247.1669033	188.6494747	7/21/2000	72.96	0.79
161.4157736	215.7113981	163.8508015	7/22/2000	72.38	0.84
207.2388307	271.1934127	210.0090321	7/23/2000	72.29	0.83
279.1835044	356.97119	278.9085453	7/24/2000	66.08	0.93
237.6766846	305.4518346	239.6640809	7/25/2000	66.58	0.94
215.3952491	291.5220462	218.3665158	7/26/2000	68.92	0.95
135.1429674	199.0912851	135.0351605	7/27/2000	73.92	0.82
133.1775867	192.6567669	134.7272153	7/28/2000	74.79	0.86
137.3949277	196.6802833	140.3902846	7/29/2000	75.13	0.83
136.2697087	196.4753143	137.6744794	7/30/2000	76.46	0.87
138.1532399	202.8680214	143.1293907	7/31/2000	75.58	0.92
207.3429693	292.7152036	210.0947603	8/1/2000	78.46	0.82
189.7791382	270.8173123	194.7339459	8/2/2000	78.21	0.82
190.7056302	268.1572648	193.6377461	8/3/2000	77.46	0.86
184.5760226	252.5666641	187.0261675	8/4/2000	74.13	0.91
190.2563144	252.7870875	192.495587	8/5/2000	72.83	0.81
188.9737671	261.8319164	191.148026	8/6/2000	76.29	0.86
149.043938	231.0783111	153.0868992	8/7/2000	84.63	0.76
124.5554645	185.0252157	128.8977457	8/8/2000	83.42	0.73
180.5954032	248.8160462	188.55295	8/9/2000	79.75	0.78
177.0858762	244.5476506	175.7886476	8/10/2000	78.13	0.76

156.623414	204.3147864	164.4242011	8/11/2000	75.75	0.82
337.0035095	416.5986403	339.1382138	8/12/2000	72.29	0.68
331.9981521	415.421659	333.114809	8/13/2000	67.29	0.85
276.5953163	351.7902375	279.2606469	8/14/2000	70.58	0.81
203.2715006	269.4427194	204.6482136	8/15/2000	74.71	0.74
206.6548838	282.2779529	208.4813206	8/16/2000	79.17	0.69
258.2818034	331.7563651	261.0933727	8/17/2000	72.33	0.66
182.4611046	246.4918436	184.761196	8/18/2000	73.21	0.9
254.7909948	324.8397341	256.5891423	8/19/2000	69.58	0.74
231.4786156	292.48563	234.3342538	8/20/2000	67.21	0.76
231.7800316	293.2072626	234.4075813	8/21/2000	66.67	0.72
216.8592913	277.6310098	218.8413344	8/22/2000	67.38	0.72
258.6011204	335.8674919	261.3016263	8/23/2000	71.54	0.73
153.9360414	214.0072803	155.3231443	8/24/2000	73.71	0.83
179.6104558	245.1445509	181.0874536	8/25/2000	74.04	0.77
164.9394074	225.7199065	166.9652287	8/26/2000	73.83	0.74
220.9543435	299.2995849	222.5282924	8/27/2000	70.92	0.87
166.8925136	231.4446726	169.0499805	8/28/2000	71.83	0.86
153.3644519	212.2493909	151.7597432	8/29/2000	74	0.87
165.5086922	240.24474	169.5954389	8/30/2000	72.96	0.94
120.5891271	186.026051	122.3896783	8/31/2000	76.08	0.92
99.60037885	155.4310655	101.9885692	9/1/2000	77.04	0.92
93.75537357	147.3121381	95.52687324	9/2/2000	77.75	0.89
124.7268437	186.9039784	127.1485329	9/3/2000	74.21	0.93
119.7665473	175.3381391	119.280016	9/4/2000	76.33	0.88
377.1014911	469.9061426	377.629648	9/5/2000	64.13	0.81
357.3000222	441.9486586	359.2727912	9/6/2000	61.42	0.74
239.8078549	301.9247954	235.9802516	9/7/2000	63.75	0.77
149.0915493	199.8156218	147.4246482	9/8/2000	67.42	0.79
127.6764622	177.6093354	126.6125805	9/9/2000	71.67	0.77
133.9606432	190.0479965	132.7717677	9/10/2000	73.29	0.77
135.8869248	193.0584314	134.1935649	9/11/2000	71.79	0.82
139.1297062	199.5708944	135.528108	9/12/2000	73.79	0.83
143.930894	205.208588	141.4869921	9/13/2000	74.96	0.79
153.5706223	220.3630114	152.4749008	9/14/2000	74.33	0.83
284.8772975	365.3943722	284.2698222	9/15/2000	70.17	0.7
313.4317625	382.5886454	311.8830148	9/16/2000	59.75	0.64
269.8571944	329.8639361	266.6474171	9/17/2000	58.67	0.7
187.9946957	242.6813244	186.7720984	9/18/2000	61.21	0.8
187.2862822	257.0046816	184.0216989	9/19/2000	68.25	0.89
170.7236753	245.6508419	175.3671195	9/20/2000	73.38	0.76
188.8470564	254.561893	189.7469626	9/21/2000	73.54	0.69
226.0330664	289.3570817	227.8474516	9/22/2000	64.08	0.7
125.8296954	176.9881224	126.1720306	9/23/2000	66.83	0.94
102.2821043	154.5727023	103.571309	9/24/2000	73	0.86
257.0877977	328.5552116	256.9132159	9/25/2000	58.58	0.96
337.476219	417.6591334	335.5630252	9/26/2000	52.63	0.9
184.0595407	234.6044045	187.5296087	9/27/2000	57.58	0.75
176.6075062	233.0498888	175.2258028	9/28/2000	59.58	0.77
241.3516866	309.6506811	241.3772166	9/29/2000	57.75	0.79
177.0828665	231.8533197	177.3360025	9/30/2000	59	0.83
174.0633222	234.0043682	175.4178448	10/1/2000	61.96	0.85

146.1055686	196.6071359	144.0887965	10/2/2000	65.75	0.74
110.2906276	164.4109575	117.8812291	10/3/2000	71.17	0.74
96.10595206	157.9255408	101.4545079	10/4/2000	72.75	0.78
101.060333	150.1886102	103.5543606	10/5/2000	71.88	0.79
135.7978365	195.0269661	138.2277195	10/6/2000	70.42	0.79
284.1585485	355.5349228	287.8537261	10/7/2000	57.71	0.62
262.7317002	319.1790205	262.7111453	10/8/2000	47.13	0.56
350.101623	424.4127582	353.0131958	10/9/2000	45.25	0.61
291.7418519	362.6061623	296.9157412	10/10/2000	49.75	0.55
182.6542537	232.5544277	189.6068806	10/11/2000	52.79	0.59
166.5073472	213.2575013	166.7680184	10/12/2000	57.29	0.61
116.9441282	162.206089	118.7266748	10/13/2000	57.38	0.7
113.2690574	151.9822733	112.194315	10/14/2000	58.75	0.72
86.25733006	126.2460798	87.735705	10/15/2000	61.5	0.74
77.09204569	119.8566863	83.83905744	10/16/2000	65.46	0.75
85.48848709	137.8311862	96.40659606	10/17/2000	62.92	0.93
101.9692334	149.6190413	104.1125587	10/18/2000	63.58	0.88
181.7467876	241.1896057	185.5476878	10/19/2000	59.63	0.63
123.1435028	171.7418243	130.8990981	10/20/2000	58.08	0.71
100.5657594	145.377333	102.0481239	10/21/2000	61.33	0.77
153.7909553	216.3963275	156.2557118	10/22/2000	61.5	0.73
162.2798362	219.8790333	166.853584	10/23/2000	53.5	0.76
108.9517226	148.0328582	112.1780146	10/24/2000	54.13	0.79
94.39769142	139.4655173	96.91588723	10/25/2000	58.92	0.77
112.7029176	163.6305917	117.3379968	10/26/2000	56.21	0.88
122.7662869	180.7192829	127.2969999	10/27/2000	60.75	0.81
191.6818022	266.01559	197.1634181	10/28/2000	61.88	0.62
255.5970331	320.7148248	260.281349	10/29/2000	49.46	0.42
222.9312166	280.8411767	230.4316771	10/30/2000	51.46	0.38
221.3398933	284.6030498	231.4200331	10/31/2000	48.79	0.56
180.6931886	233.6909821	187.0369428	11/1/2000	48.75	0.55
167.2543084	220.2748661	172.306186	11/2/2000	51.63	0.53
99.25871077	138.5503704	104.6203418	11/3/2000	54.88	0.56
86.94551303	131.8754381	90.26835859	11/4/2000	59.79	0.67
193.8902457	255.9558334	198.8164703	11/5/2000	52.38	0.52
142.9437691	185.8067389	146.1190418	11/6/2000	45.21	0.61
94.85602298	134.8783471	100.0670142	11/7/2000	51.38	0.77
60.21066417	97.53586016	64.94137774	11/8/2000	57.96	0.84
53.15332073	103.9573451	56.78261446	11/9/2000	60.5	0.98
176.9928353	259.4612052	181.3837441	11/10/2000	62.17	0.61
245.1266377	324.6499895	248.5922303	11/11/2000	52.46	0.58
134.815749	182.0955199	143.7196072	11/12/2000	48.54	0.7
110.8860565	160.468426	118.6663096	11/13/2000	49.83	0.79
117.5588188	166.0631047	123.1475573	11/14/2000	49.29	0.82
170.296186	223.2158884	175.0540925	11/15/2000	40.42	0.62
176.5361716	231.8333754	178.5189654	11/16/2000	41.88	0.68
189.4713527	250.571386	193.4529801	11/17/2000	48.79	0.6
161.1706806	209.3172301	165.5958859	11/18/2000	37.29	0.55
147.5551796	192.999545	152.0543843	11/19/2000	37.96	0.66
186.4988208	247.2307847	189.2152969	11/20/2000	40.29	0.69
237.5215008	298.6370552	238.0410074	11/21/2000	33.75	0.41
217.4475209	273.0606187	218.5438217	11/22/2000	29.71	0.4

123.6960532	162.1674914	124.3999562	11/23/2000	29.08	0.56
104.3082263	139.1432872	106.0449807	11/24/2000	32.58	0.64
105.0994273	149.0975705	105.686963	11/25/2000	41.83	0.84
51.98457497	96.61672012	50.16685947	11/26/2000	52.08	0.89
105.9969603	157.0263105	107.34787	11/27/2000	49.08	0.65
101.4726984	142.4352147	102.3508557	11/28/2000	45.5	0.61
91.75887382	130.2237039	96.86660013	11/29/2000	41	0.73
148.5349361	204.2361322	150.3780833	11/30/2000	43	0.57
80.10887695	109.3377559	76.81577577	12/1/2000	36.71	0.66
136.5000843	180.6062939	135.7980535	12/2/2000	35.58	0.7
185.9009972	245.3136504	189.2704625	12/3/2000	27.29	0.62
125.4090457	166.0917502	129.2207213	12/4/2000	31.25	0.46
132.4077323	173.1454042	135.3567244	12/5/2000	37.25	0.47
108.7135039	150.2075166	118.2033003	12/6/2000	31.13	0.5
116.3493673	161.7176792	121.1354982	12/7/2000	38	0.57
83.77059382	122.0952286	86.18392307	12/8/2000	42.54	0.59
92.57372659	128.2609895	94.05608282	12/9/2000	34.17	0.64
82.25952258	124.2542484	88.75999625	12/10/2000	33.08	0.91
47.57583645	80.75795783	50.340651	12/11/2000	37.96	0.98
119.9903708	179.2659167	122.3978662	12/12/2000	46.5	0.58
119.5200557	164.7384662	121.8375174	12/13/2000	32.21	0.53
59.88226561	95.38594711	62.28495313	12/14/2000	37.42	0.98
64.11779825	101.5244838	69.02866776	12/15/2000	36.17	0.82
53.35558884	85.99716924	54.60402825	12/16/2000	38.92	0.98
71.69730881	143.4472902	77.14524038	12/17/2000	51.71	0.7
92.57888439	131.56978	92.83851152	12/18/2000	33.46	0.57
79.12110495	117.0787586	79.25167558	12/19/2000	35.13	0.8
110.8090895	156.4092184	117.4799813	12/20/2000	26.88	0.65
79.35765861	112.8397355	82.34621382	12/21/2000	27.71	0.71
129.9705626	176.6212385	129.8443296	12/22/2000	32.25	0.58
90.22949807	123.6933467	93.85670086	12/23/2000	21.79	0.5
104.7789064	136.541741	105.5705207	12/24/2000	31.5	0.52
159.557936	207.7897919	165.9184355	12/25/2000	24.83	0.42
110.5021401	150.9295126	113.7073201	12/26/2000	23.71	0.48
55.97869574	82.98993063	56.5655932	12/27/2000	29.25	0.89
115.9847115	163.5819029	119.0480658	12/28/2000	27.88	0.6
81.96139033	120.4819523	87.19439616	12/29/2000	25.58	0.65
107.0515844	153.2817781	112.7057688	12/30/2000	26.5	0.69
126.3766128	180.0007841	131.9151208	12/31/2000	28.17	0.47
73.5547346	105.5749957	75.85923119	1/1/2001	29.5	0.55
110.864496	159.396667	118.3018461	1/2/2001	29.5	0.53
77.38720825	109.6706439	78.54790698	1/3/2001	24.5	0.57
70.21343717	102.8226249	75.33818009	1/4/2001	29.33	0.59
63.47293909	97.02647698	68.77178136	1/5/2001	29.63	0.83
62.69531898	100.603943	68.22809046	1/6/2001	37.29	0.69
50.7462656	80.12039181	50.9162385	1/7/2001	40.33	0.65
33.13319828	72.38043384	37.87569617	1/8/2001	39.33	0.82
104.3274101	152.3399709	106.0793591	1/9/2001	33.58	0.53
92.59860673	138.3606754	96.23208286	1/10/2001	36.96	0.35
52.55677244	86.19885933	56.60410704	1/11/2001	43.04	0.37
53.73646964	90.104735	57.38921873	1/12/2001	41.71	0.54
56.0226893	89.65609239	59.70151098	1/13/2001	35.38	0.67

27.68627968	51.87893687	31.19444949	1/14/2001	36.75	0.83
7.791224221	38.15717041	12.56697528	1/15/2001	45.21	0.93
32.04562283	67.38803001	34.97040431	1/16/2001	40.88	0.79
35.22262581	69.74434975	43.83505631	1/17/2001	36.38	0.69
33.76644318	68.4058796	38.96582858	1/18/2001	37.22	0.87
18.11548776	47.29594149	22.61477677	1/19/2001	40.38	0.98
56.33586904	106.1258447	52.22130186	1/20/2001	37.04	0.97
89.91115581	139.277266	84.30557179	1/21/2001	32.58	0.6
66.63533918	102.5407475	67.67858138	1/22/2001	29	0.64
63.300461	104.7279271	67.15763574	1/23/2001	30.33	0.71
49.25983158	76.16012399	50.27060081	1/24/2001	34.92	0.67
113.9540183	173.0498681	117.0551101	1/25/2001	34.46	0.54
83.3847871	128.5760621	85.73744976	1/26/2001	31.05	0.52
108.2922723	166.1163451	107.3591769	1/27/2001	41.46	0.41
53.29671505	82.42554816	54.27115683	1/28/2001	33.88	0.55
54.39326362	92.55113358	57.5287901	1/29/2001	40.74	0.53
17.76432787	63.55778045	24.70717086	1/30/2001	55.58	0.66
46.24765841	96.94985288	46.78370278	1/31/2001	52.95	0.56
37.56091774	73.03323904	38.49298102	2/1/2001	43.17	0.64
76.70841613	120.4923277	75.96161916	2/2/2001	41.21	0.6
88.24403404	132.2464704	93.96134882	2/3/2001	31.83	0.42
63.49999274	101.1635465	67.72894385	2/4/2001	35.38	0.66
58.8542455	101.0726405	57.24897361	2/5/2001	39.46	0.86
72.60444946	121.0399143	73.93743131	2/6/2001	42.65	0.54
40.801891	78.04695506	43.62475549	2/7/2001	42.54	0.63
41.75603676	81.59959551	42.61057242	2/8/2001	46.79	0.64
13.55861678	63.34822786	24.41550119	2/9/2001	57.71	0.71
63.37357554	126.3970206	68.59133596	2/10/2001	56.88	0.51
130.1897537	180.4736456	128.0775915	2/11/2001	34.15	0.42
65.63180371	107.8823048	68.37484798	2/12/2001	32.21	0.71
38.63027057	72.45124212	38.76673651	2/13/2001	42.3	0.85
21.19589776	62.57893033	23.10483524	2/14/2001	48.13	0.93
7.549901867	29.37038277	12.28510356	2/15/2001	56.63	0.87
33.57859448	70.82076906	32.86118984	2/16/2001	44.08	0.95
97.37327188	161.0541084	97.58822686	2/17/2001	41.83	0.67
122.3832863	169.8895823	122.0527088	2/18/2001	28.75	0.48
114.2839603	168.8746996	115.1637672	2/19/2001	36.67	0.51
69.95621535	131.8141431	72.13279263	2/20/2001	51.25	0.49
77.40921093	142.7915233	79.67951631	2/21/2001	53.38	0.5
123.9786766	179.2582878	123.7548203	2/22/2001	27.21	0.71
80.8642457	120.1964129	76.38915516	2/23/2001	32.58	0.78
89.19175472	135.5210294	89.55628268	2/24/2001	37.83	0.61
14.24735791	60.71498803	19.62644736	2/25/2001	50.5	0.92
49.22783004	89.99056868	48.79598244	2/26/2001	56.33	0.54
71.81779965	115.5668696	68.52819125	2/27/2001	45.42	0.55
99.99082034	156.1611291	94.06828072	2/28/2001	41.88	0.66
88.15767161	132.4609072	88.14591071	3/1/2001	41.29	0.53
66.70060077	108.4573296	62.76155069	3/2/2001	48.38	0.55
43.42418675	79.64547454	43.10514799	3/3/2001	46.29	0.69
50.01010567	90.38196124	48.14458782	3/4/2001	43.79	0.94
106.6982202	169.2342722	104.2689336	3/5/2001	37.85	0.86
212.0799509	287.0814993	201.4182206	3/6/2001	32.52	0.51

134.3949157	186.6497827	126.0750109	3/7/2001	40.29	0.5
83.05239887	123.5871828	79.15926983	3/8/2001	39.91	0.59
112.9991358	163.7763923	108.8155292	3/9/2001	44.04	0.47
95.99452552	139.5151706	90.93671448	3/10/2001	37.13	0.48
100.8852904	155.2019693	85.64290986	3/11/2001	48.04	0.46
60.49687246	110.9066134	50.80971684	3/12/2001	46.42	0.69
28.38729362	66.82816112	19.20058598	3/13/2001	58.42	0.69
71.51033109	133.2701615	74.36402724	3/14/2001	54.75	0.43
58.24027567	105.2212056	54.34731947	3/15/2001	45.58	0.86
38.84648896	79.21809449	32.46417828	3/16/2001	47.29	0.91
49.22548496	93.43542932	43.59611142	3/17/2001	51.26	0.73
141.1898356	202.789204	128.3707633	3/18/2001	43.54	0.49
107.8141905	156.2632121	98.46855729	3/19/2001	41.58	0.46
107.9556642	162.1774993	93.83150923	3/20/2001	41.08	0.75
32.29672003	93.81344605	21.88284811	3/21/2001	50.5	1
129.2463411	201.1695587	104.9871589	3/22/2001	49.88	0.62
110.8243737	163.7245522	89.24505942	3/23/2001	51.29	0.42
113.1133552	175.2071226	91.07792926	3/24/2001	53.42	0.49
123.7162745	168.7850373	109.0179311	3/25/2001	42.17	0.51
155.9468392	206.0358719	136.9137525	3/26/2001	38.17	0.49
150.8668905	198.8496948	134.8062732	3/27/2001	33.33	0.37
103.3300499	142.7805956	91.24696767	3/28/2001	38.5	0.5
69.2654746	110.7065627	53.58982859	3/29/2001	42.96	0.93
41.56842533	84.14539277	26.51640161	3/30/2001	52.71	0.82
47.57137801	86.28535637	35.28128132	3/31/2001	47.48	0.84
52.17668847	89.33824263	38.91651489	4/1/2001	44.04	0.97
76.52498461	125.1162557	64.28148408	4/2/2001	48.17	0.6
57.73701958	90.07430616	40.42014452	4/3/2001	46.26	0.88
70.98408685	116.0269573	51.72086264	4/4/2001	49.46	0.76
70.97747932	112.7131378	48.62501256	4/5/2001	50.63	0.66
53.26113789	121.7316561	21.94095173	4/6/2001	61.46	0.67
13.36095231	55.69186347	1.717331547	4/7/2001	66.92	0.75
18.57566098	60.06647026	4.789416758	4/8/2001	63.33	0.76
9.888199645	56.37828545	2.824966398	4/9/2001	74.79	0.59
23.96878223	70.47738642	6.2939847	4/10/2001	66.54	0.73
43.62206946	88.23597262	13.24200408	4/11/2001	55.75	0.97
21.3106516	71.26144211	10.90215215	4/12/2001	67.92	0.79
35.98070754	81.50494367	15.76538248	4/13/2001	69.46	0.67
93.93299934	153.1971374	65.92899205	4/14/2001	62.21	0.49
83.53991301	150.9452906	53.15588103	4/15/2001	62.92	0.65
143.9295253	222.746081	113.413871	4/16/2001	53.88	0.75
192.5690128	265.1614435	171.3320765	4/17/2001	43.79	0.64
271.8135605	355.9122952	251.7057419	4/18/2001	43.46	0.43
151.811727	208.417164	133.6620281	4/19/2001	48.29	0.49
165.0571922	240.2693453	140.5300369	4/20/2001	58.18	0.43
105.6698209	193.9284177	88.22676292	4/21/2001	66.3	0.58
59.03344153	111.5668462	53.00669401	4/22/2001	70.67	0.61
59.03293835	108.8766079	48.22406698	4/23/2001	72.67	0.6
81.51143044	159.9123151	61.65785499	4/24/2001	69.25	0.69
153.0468022	209.5754709	133.7322014	4/25/2001	49.96	0.74
199.8009795	257.9207942	185.381427	4/26/2001	51.25	0.57
141.3923522	199.5893619	133.3520773	4/27/2001	59.05	0.55

160.994473	223.4188749	150.1448012	4/28/2001	62.08	0.51
133.642556	183.996537	126.8985971	4/29/2001	54.42	0.57
132.1446944	186.8149923	124.0625421	4/30/2001	59.5	0.58
73.63492708	124.3674817	63.40625992	5/1/2001	66.83	0.7
53.20498434	112.6781931	54.85966436	5/2/2001	69.92	0.71
51.43621429	112.7275637	53.7602871	5/3/2001	71.09	0.71
67.08980853	120.492043	55.51473038	5/4/2001	73.24	0.67
87.26207381	155.5584276	67.91343576	5/5/2001	71.83	0.72
202.1434717	276.4589594	190.4333433	5/6/2001	60.54	0.74
211.4356193	285.0453943	205.6757188	5/7/2001	54.17	0.76
130.1813553	182.864211	130.4188409	5/8/2001	58.79	0.79
104.9275794	163.7743987	104.8515465	5/9/2001	63.04	0.8
100.9315975	148.1886228	97.31711266	5/10/2001	68.92	0.68
107.0918678	178.146885	102.8955798	5/11/2001	72.17	0.67
126.7049246	198.4658181	118.5999508	5/12/2001	71.5	0.71
301.8544408	388.5015449	295.6953876	5/13/2001	59.33	0.6
258.4399244	328.025682	253.203406	5/14/2001	58.35	0.55
191.4437356	245.2349644	185.9424603	5/15/2001	54.96	0.76
200.4877935	263.5033133	197.8054298	5/16/2001	56.35	0.84
138.8779403	193.0381413	136.1574117	5/17/2001	57.52	0.85
105.6968249	161.4632312	103.5648684	5/18/2001	63.13	0.92
76.1968071	133.3616782	76.34412032	5/19/2001	66.46	0.94
100.616474	158.5011367	99.26599868	5/20/2001	65.29	0.93
66.57593549	117.7984204	65.88241883	5/21/2001	66.17	1
74.37356274	145.2362	72.7498756	5/22/2001	72.58	0.85
195.2894075	271.0862393	196.5702405	5/23/2001	66.73	0.63
168.4196837	230.7377306	169.5994328	5/24/2001	67.5	0.65
152.2604698	220.6764459	156.972751	5/25/2001	68.75	0.76
124.1513618	183.6140347	124.4213792	5/26/2001	63.5	0.98
142.99473	207.4002534	135.6505945	5/27/2001	69.79	0.74
143.8877105	209.3956967	139.0468911	5/28/2001	65.13	0.88
131.2587334	186.5903544	134.1331788	5/29/2001	66.29	0.8
178.0567385	242.7000969	181.1395644	5/30/2001	65.08	0.7
206.3679602	271.9514786	205.7057264	5/31/2001	60.48	0.64
149.0894064	209.3218637	145.0033542	6/1/2001	63.95	0.89
131.2703017	205.6597415	131.2597227	6/2/2001	74.39	0.67
239.4506825	318.5198915	240.8681948	6/3/2001	68.83	0.61
223.2372232	300.1146954	221.2315192	6/4/2001	65.92	0.73
78.01454937	127.9779423	80.11910033	6/5/2001	71.42	0.85
65.77199324	113.4631672	60.95515899	6/6/2001	72.58	0.91
92.37323529	147.5979257	90.09843486	6/7/2001	71.5	0.88
115.6815869	169.7086376	113.249373	6/8/2001	71.85	0.8
136.3083093	193.9301111	134.7086272	6/9/2001	72.17	0.67
145.4417459	198.6202299	141.1415249	6/10/2001	72.96	0.63
157.4059431	227.6869114	158.0909448	6/11/2001	74.7	0.75
80.02389451	137.902814	76.1461426	6/12/2001	79.35	0.73
78.91693621	139.7553716	81.41095565	6/13/2001	78.96	0.78
99.27982365	171.8126081	100.5006871	6/14/2001	78.79	0.82
106.0139124	174.5105945	106.3615707	6/15/2001	74.88	0.96
142.4194232	220.8912008	144.4089712	6/16/2001	75.29	0.91
235.6611077	313.1842529	238.2070076	6/17/2001	77.79	0.62
190.2984145	257.2791516	194.2810204	6/18/2001	75.13	0.66

173.1428164	235.8444886	177.7945094	6/19/2001	74.67	0.71
174.8683848	244.0518424	176.2928469	6/20/2001	76.61	0.73
170.6814981	240.7107105	172.2901726	6/21/2001	77.91	0.73
158.5833672	224.5917971	162.3577558	6/22/2001	78	0.79
197.0968979	261.4720568	200.8395494	6/23/2001	70.96	0.88
227.5700542	293.2051686	229.8385568	6/24/2001	70.67	0.79
184.375795	248.5155135	187.9410631	6/25/2001	73.58	0.73
186.9938249	252.7625849	187.9805748	6/26/2001	75	0.69
142.9913577	204.8447427	144.2945583	6/27/2001	78.75	0.74
125.9081236	193.8834859	130.9544148	6/28/2001	81.26	0.74
129.5032851	192.241184	136.7273002	6/29/2001	82.33	0.73
202.7225164	281.9438687	205.384922	6/30/2001	83.21	0.71
262.3627162	355.4605365	265.3829142	7/1/2001	82.25	0.7
422.1220688	503.7900211	427.1367666	7/2/2001	68.42	0.6
266.3329429	333.1088201	269.3001469	7/3/2001	67.33	0.78
182.2231787	253.7261431	185.9916522	7/4/2001	78.25	0.82
204.7526496	279.8800742	209.4589539	7/5/2001	79.39	0.69
325.5059245	403.5535023	325.8348853	7/6/2001	72.7	0.57
290.2213029	365.1874296	293.2830403	7/7/2001	72.25	0.64
197.1358862	259.8262011	198.6372967	7/8/2001	74.63	0.82
184.2113622	255.3259161	186.9596431	7/9/2001	79.75	0.71
192.245077	260.0599446	197.2982416	7/10/2001	81.23	0.63
242.314646	317.9113968	244.3056095	7/11/2001	81.79	0.61
266.2803051	327.1518108	267.6601884	7/12/2001	73.13	0.59
242.4914998	293.9440458	242.5588345	7/13/2001	72.67	0.62
323.3293569	391.825275	324.7624954	7/14/2001	73.17	0.56
257.0975524	318.2266903	257.3075293	7/15/2001	73.79	0.6
205.2562277	262.0679443	205.1870794	7/16/2001	78.64	0.58
229.0228601	301.4707968	229.4151715	7/17/2001	81.38	0.56
181.5886519	249.5169044	180.5545157	7/18/2001	75.78	0.85
190.1821452	254.8436598	190.3151495	7/19/2001	73.71	0.87
262.5185032	331.7392651	262.8382905	7/20/2001	70.46	0.73
254.0833304	317.8650655	253.6292609	7/21/2001	69.92	0.69
209.6983388	271.6136449	209.3968029	7/22/2001	73.5	0.72
134.9196054	192.6950323	134.7605876	7/23/2001	78.83	0.8
164.4409231	236.6970213	162.7261934	7/24/2001	79.75	0.83
238.4141826	332.7260788	234.682252	7/25/2001	82.29	0.71
229.7432323	312.6041095	228.0093094	7/26/2001	77.17	0.86
255.6070841	322.2475965	254.4947686	7/27/2001	72	0.76
286.261887	354.7058496	286.7502411	7/28/2001	68	0.75
212.0710925	276.7357315	209.8322208	7/29/2001	66.08	0.97
207.1777726	276.0073905	203.8059276	7/30/2001	70.75	0.86
217.6483841	290.4828034	215.3518847	7/31/2001	72.08	0.78
244.8598161	317.5085436	242.1562226	8/1/2001	72.21	0.69
212.1483724	279.8791629	208.9111395	8/2/2001	72.63	0.66
199.0820537	268.947267	193.6214053	8/3/2001	75.3	0.71
142.005618	198.7995427	135.2195229	8/4/2001	76.25	0.79
114.7621271	172.6002521	112.4449441	8/5/2001	80.08	0.77
125.7693188	184.7714245	121.4862893	8/6/2001	81.5	0.74
119.9614819	168.7430558	111.6031028	8/7/2001	83.13	0.69
108.1799499	163.9597088	108.3224713	8/8/2001	84.54	0.71
134.1687901	200.3939175	130.2177795	8/9/2001	85.42	0.68

170.8079452	251.8331136	158.8794062	8/10/2001	84.08	0.77
155.6293975	204.0965058	146.8231862	8/11/2001	75.73	0.94
205.1119848	279.0315094	195.0112857	8/12/2001	76.42	0.9
172.3715594	240.2059664	166.1119899	8/13/2001	76.46	0.9
182.4455526	251.2272034	173.0682934	8/14/2001	76.67	0.86
197.033471	262.7389778	190.8890637	8/15/2001	75.54	0.79
216.2892431	289.927444	204.833368	8/16/2001	75.67	0.82
240.3658354	322.7463429	229.7981091	8/17/2001	79.35	0.77
174.3792341	235.3811352	167.1237439	8/18/2001	76.38	0.82
182.0027364	248.8840372	171.5353627	8/19/2001	75.88	0.91
207.2611556	274.4326325	197.7977697	8/20/2001	79.25	0.73
219.417787	280.3188543	210.6317996	8/21/2001	74.71	0.7
209.5721671	268.2138547	201.1039934	8/22/2001	74.63	0.73
260.4504411	337.461604	245.4673592	8/23/2001	76.61	0.75
241.03548	311.4255219	231.272211	8/24/2001	74.63	0.78
222.5276864	287.187021	213.0833998	8/25/2001	73.46	0.79
233.9581336	299.7978902	226.1506281	8/26/2001	72.96	0.75
183.9512262	250.1842039	174.4202745	8/27/2001	76.88	0.8
155.1043031	213.5922021	145.734916	8/28/2001	77.21	0.83
148.6892657	204.4814655	139.8890236	8/29/2001	77.04	0.83
150.4166737	213.0816104	137.9713379	8/30/2001	78.04	0.86
202.5741968	274.6304249	192.3922026	8/31/2001	78.22	0.8
195.530806	258.8112201	185.2579477	9/1/2001	74.71	0.85
233.8739402	297.4346843	224.7930006	9/2/2001	70	0.79
181.06165	241.2760019	171.9449606	9/3/2001	71.04	0.81
214.455515	289.0088312	200.9822963	9/4/2001	74.79	0.8
262.5331132	337.1340317	246.6907392	9/5/2001	73.83	0.68
213.2327761	276.2354821	201.5414022	9/6/2001	69.33	0.74
217.265259	284.5345227	203.2672957	9/7/2001	70.38	0.75
178.2615251	241.8608578	166.9867272	9/8/2001	73	0.76
176.2953551	246.2647032	154.4572034	9/9/2001	74.04	0.84
149.2437105	215.6120122	126.8626567	9/10/2001	77.42	0.83
298.6857007	377.8492693	270.541743	9/11/2001	73.42	0.62
247.2717419	314.8503004	226.3740191	9/12/2001	69.74	0.68
226.5573406	291.5428646	202.0102939	9/13/2001	69.46	0.75
319.7537591	400.1033719	289.2928415	9/14/2001	61.29	0.82
349.6967336	427.7152206	312.992455	9/15/2001	57.83	0.7
304.3011422	374.1649256	265.2696472	9/16/2001	60.04	0.68
200.5551885	252.1299677	175.7354728	9/17/2001	64.38	0.65
170.3497801	217.6186954	145.3416701	9/18/2001	67.54	0.71
201.3588364	263.532378	171.9615493	9/19/2001	68.5	0.72
132.147289	190.3399668	100.6281161	9/20/2001	69.63	0.89
113.2911405	166.1721589	83.58232362	9/21/2001	70.54	0.94
132.3210072	188.2378461	100.4337892	9/22/2001	71.96	0.82
122.7374241	171.0308809	94.00518793	9/23/2001	72.46	0.79
144.474556	214.6185552	106.6087115	9/24/2001	71.67	0.92
222.225674	283.5765032	184.0666548	9/25/2001	63.52	0.78
280.092847	339.9392121	241.8770217	9/26/2001	54.75	0.74
261.2139741	328.4764742	225.1320008	9/27/2001	60.63	0.67
268.3649338	333.0913949	230.1635967	9/28/2001	57.79	0.69
309.0581832	384.0542894	265.0164917	9/29/2001	56.5	0.76
305.670677	378.572944	261.4739017	9/30/2001	55.04	0.74

258.7923187	322.2488825	220.3408022	10/1/2001	57.04	0.64
196.6844365	254.0804356	160.6035674	10/2/2001	64.17	0.69
122.5569585	173.652903	95.99556823	10/3/2001	68.61	0.71
138.1232456	189.0333623	104.4703082	10/4/2001	68.71	0.67
160.9320274	224.4286713	124.9074126	10/5/2001	69.46	0.69
206.5409238	273.4354526	157.884199	10/6/2001	61	0.86
248.4444556	305.318802	211.065739	10/7/2001	50.83	0.64
257.1558438	315.8941486	220.9770939	10/8/2001	46.77	0.64
190.8255406	238.3904806	161.9088997	10/9/2001	48.13	0.72
134.5107431	178.0982817	107.6590708	10/10/2001	57.54	0.79
131.354126	188.4346446	102.5067036	10/11/2001	63.17	0.78
101.9784503	149.8818086	79.35359298	10/12/2001	64.58	0.8
105.6310078	159.763609	88.07477113	10/13/2001	66.92	0.78
91.97687398	159.8898116	71.28478827	10/14/2001	68.5	0.87
154.1434213	207.0434984	134.5244385	10/15/2001	61.71	0.7
221.7564792	287.9112773	201.6669955	10/16/2001	60.04	0.69
282.5309246	352.4012838	265.6019171	10/17/2001	52.54	0.54
182.5950584	229.3832443	169.6203035	10/18/2001	47.88	0.61
170.7598554	225.1510453	163.1213747	10/19/2001	52.13	0.74
119.3176018	164.9319784	109.221845	10/20/2001	61.54	0.72
95.12051389	140.217256	87.3041911	10/21/2001	62.17	0.83
64.91815715	109.9459192	56.4611373	10/22/2001	68.58	0.74
83.77386554	136.8850341	70.41100661	10/23/2001	67.42	0.81
70.10063556	139.5834077	62.14914832	10/24/2001	71.75	0.76
224.3182733	311.5269124	206.5614996	10/25/2001	71.25	0.49
350.878031	427.0242411	341.4777134	10/26/2001	54.3	0.35
314.2803559	381.8440028	307.0399288	10/27/2001	45.88	0.49
264.2544918	326.471516	253.7057336	10/28/2001	43.79	0.58
241.7594106	299.8257047	218.7614241	10/29/2001	43.87	0.66
201.3714519	261.5183853	181.3593829	10/30/2001	51.35	0.62
195.898569	251.1629773	175.4877265	10/31/2001	51.35	0.62
89.72810981	135.06102	63.88077555	11/1/2001	58	0.85
48.16340934	91.45083331	30.84946656	11/2/2001	66.17	0.82
53.75177718	94.38976871	33.61946434	11/3/2001	63.88	0.85
151.422055	201.7428698	126.6039752	11/4/2001	55.83	0.57
235.1027822	292.277609	204.4090496	11/5/2001	50.75	0.47
245.4835474	309.2551548	216.1805107	11/6/2001	46.83	0.5
209.7274583	269.853782	178.3049501	11/7/2001	54.33	0.48
164.3461721	217.9017194	131.0721736	11/8/2001	55.96	0.64
188.6247595	244.3262607	159.8156211	11/9/2001	53	0.49
171.9832959	226.5390634	144.1885593	11/10/2001	52.75	0.51
163.149587	213.7387041	138.2734755	11/11/2001	53.38	0.48
142.2616488	184.543319	121.1199062	11/12/2001	41.58	0.67
132.0285284	173.0278938	108.2037414	11/13/2001	42.46	0.72
99.62217773	140.5805969	78.17504912	11/14/2001	48.33	0.79
104.0812572	145.3707826	81.7013451	11/15/2001	51	0.65
84.27693568	126.3323203	61.4482868	11/16/2001	56.46	0.63
94.71394494	142.0901662	65.29471809	11/17/2001	55.46	0.73
82.11829575	123.1558724	61.91297208	11/18/2001	48.04	0.83
93.49595319	143.569011	64.0803854	11/19/2001	55.58	0.79
166.6427915	229.6304726	133.4620896	11/20/2001	51.57	0.6
221.2552553	281.4177033	187.1443282	11/21/2001	39	0.57

194.1398114	254.2261322	159.4185925	11/22/2001	42.57	0.6
162.612341	217.5364272	126.7517884	11/23/2001	47.38	0.64
29.80585581	74.94420184	11.35943769	11/24/2001	58.04	0.92
11.41677399	42.29330498	6.207241498	11/25/2001	64.58	0.89
36.22694921	92.09361367	12.82633743	11/26/2001	62.25	0.81
36.67149078	88.79556816	10.47488147	11/27/2001	59.42	0.93
9.916821416	29.45425568	4.448713421	11/28/2001	64.65	0.89
17.08929016	59.11478784	7.899576646	11/29/2001	62.46	0.92
19.58245568	59.05494393	8.462352566	11/30/2001	67.83	0.83
45.32447331	87.96541967	20.07364279	12/1/2001	62.88	0.78
147.1217223	202.865191	113.40664	12/2/2001	51.54	0.63
150.6446794	204.0008632	115.2623368	12/3/2001	45.29	0.78
146.7210943	199.9137841	112.3947494	12/4/2001	49.75	0.65
94.5611842	138.5990783	56.46556543	12/5/2001	58.08	0.55
74.12627463	128.0055623	48.05414619	12/6/2001	61.17	0.67
35.86980554	81.4953094	17.16442571	12/7/2001	59.25	0.85
66.91448627	113.3150764	40.90751105	12/8/2001	52.71	0.9
142.3958706	204.1599806	104.2326984	12/9/2001	47.5	0.74
102.4967991	145.3469917	78.37767948	12/10/2001	42.58	0.82
101.6461688	156.6467268	67.02267598	12/11/2001	47.38	0.99
70.50769157	115.675322	46.42324554	12/12/2001	47.75	0.96
56.14392477	109.6730426	29.32411523	12/13/2001	54.33	0.96
14.01520617	58.46567765	5.532633588	12/14/2001	63.96	0.9
135.5568091	198.7832945	100.5217674	12/15/2001	52.88	0.62
99.36925243	141.8256473	85.29537105	12/16/2001	41.33	0.72
90.09055949	139.2314377	72.64294016	12/17/2001	49.83	0.85
135.148961	204.4651289	106.1411676	12/18/2001	54.75	0.68
124.3460904	175.3566805	105.2742402	12/19/2001	43	0.76
191.899322	251.0439095	170.7512674	12/20/2001	45.08	0.47
186.022323	243.5667821	167.7115979	12/21/2001	38.88	0.39
127.396583	169.2664065	115.9559828	12/22/2001	34.87	0.57
122.5299672	174.1176648	102.670639	12/23/2001	43.96	0.64
97.2786641	144.7351303	71.32989669	12/24/2001	47	0.73
154.8694903	203.900103	135.2791547	12/25/2001	34.48	0.58
136.3147228	182.646487	124.1847937	12/26/2001	34.08	0.64
167.3244458	217.6756919	157.3855505	12/27/2001	32.46	0.51
133.9620382	178.2505228	122.0032488	12/28/2001	37.79	0.58
119.6314051	170.0402485	109.1014466	12/29/2001	41.1	0.64
138.5573596	182.8632598	130.4979435	12/30/2001	28.91	0.49
133.1223441	174.826449	125.5839817	12/31/2001	29.85	0.48
140.5976813	185.9608485	133.5579076	1/1/2002	27.74	0.5213
116.8231523	160.1890397	114.3782857	1/2/2002	27.71	0.5858
132.665704	174.8140217	120.0171185	1/3/2002	28	0.883
137.3806581	174.948678	126.1921973	1/4/2002	29.54	0.6092
109.757334	141.7624837	102.110935	1/5/2002	33.46	0.5583
83.96511069	114.0001458	74.56724114	1/6/2002	31.25	0.9333
66.93586358	104.9972357	59.97277761	1/7/2002	36	0.9588
93.65022855	132.1942147	88.41801289	1/8/2002	31.67	0.6662
98.01344986	145.0452762	93.34235107	1/9/2002	41.25	0.6208
25.58899551	54.35823366	23.6234541	1/10/2002	54.17	0.6761
40.35250838	79.30431914	39.73510242	1/11/2002	49.62	0.7208
75.48886186	111.311179	74.62784604	1/12/2002	40.88	0.6783

100.2934641	148.031188	97.73580764	1/13/2002	44.17	0.5854
70.69075818	110.0034275	67.36223985	1/14/2002	43.46	0.6338
61.49460879	101.0572959	58.00825566	1/15/2002	47.54	0.6583
68.90788302	103.1894526	69.39079408	1/16/2002	38.71	0.6271
72.8129211	115.3344129	73.78933336	1/17/2002	45.67	0.6125
66.66467688	105.8245063	70.12814963	1/18/2002	41.75	0.6571
81.33278007	121.3238477	78.93807585	1/19/2002	34.26	0.8383
67.1188766	104.3162478	70.61579662	1/20/2002	35.88	0.8392
50.44262925	87.76165832	50.21428428	1/21/2002	39.08	0.9833
58.26215175	93.63109507	59.26176056	1/22/2002	43.17	0.6721
37.18608576	83.67280441	39.16534413	1/23/2002	45.08	0.9221
2.972711666	17.85373164	11.9148855	1/24/2002	58.92	0.8896
64.4488144	115.9110714	66.3011697	1/25/2002	46.42	0.6979
72.91226828	112.396643	71.76101503	1/26/2002	43.04	0.6475
58.17892601	93.42909117	52.5311367	1/27/2002	48.92	0.6429
20.17198172	57.35992085	26.05192123	1/28/2002	57.88	0.6654
16.22059835	56.39379479	24.98895332	1/29/2002	59.17	0.6454
6.526014899	19.97973909	14.02070714	1/30/2002	66.75	0.6779
13.72259341	52.88778544	20.33045234	1/31/2002	52.58	0.9438
17.8128556	69.24274246	31.46899613	2/1/2002	65.38	0.6862
164.0811771	221.1124513	162.9091711	2/2/2002	39.92	0.4233
139.490559	197.7352811	145.5675181	2/3/2002	37.08	0.6262
195.373203	263.0983159	194.7080129	2/4/2002	36.12	0.5142
166.5926793	223.9431331	168.7287633	2/5/2002	28.58	0.3533
91.05922986	123.4443196	90.69340964	2/6/2002	37.25	0.3817
60.47343147	101.1226676	62.42417466	2/7/2002	37.12	0.9912
55.58252172	85.55220559	57.07074937	2/8/2002	42.25	0.7042
63.33567599	99.6402896	62.58008273	2/9/2002	43.12	0.6908
32.36034108	68.23370293	32.60184695	2/10/2002	45.29	0.9662
157.4889529	223.19943	152.7099022	2/11/2002	44.62	0.4579
132.3088864	182.2059335	128.1863095	2/12/2002	40.5	0.4762
107.1995821	146.7757069	103.0569583	2/13/2002	42.67	0.4838
92.03502686	132.2982512	96.30365037	2/14/2002	35.71	0.45
83.71823491	124.7101613	86.26215427	2/15/2002	40.83	0.6496
67.35272369	118.210047	66.93826201	2/16/2002	52.35	0.4717
172.2484873	240.4884741	168.9785786	2/17/2002	42.88	0.4121
123.7521888	170.9505661	126.1038658	2/18/2002	36.08	0.4462
85.10910581	126.1741213	88.72145248	2/19/2002	43.62	0.4658
46.36490301	105.5458492	53.15199833	2/20/2002	57.21	0.6162
38.4034484	81.82814165	44.90760542	2/21/2002	57.17	0.6571
81.774915	123.9336322	81.80964256	2/22/2002	48.58	0.5321
100.7563566	147.2576923	101.13452	2/23/2002	40.29	0.6271
91.32701607	134.4063041	97.33158923	2/24/2002	39.67	0.5525
82.7160267	122.3762767	82.09216963	2/25/2002	44.04	0.5996
79.04998306	145.4684767	85.45012488	2/26/2002	56.42	0.555
185.3870612	251.6954329	185.8251649	2/27/2002	39.35	0.4074
155.422146	202.6525851	155.903138	2/28/2002	31.08	0.3875
94.24780647	129.0962195	96.12744446	3/1/2002	36.54	0.44
76.3588077	123.8135931	79.59852672	3/2/2002	42.71	0.8492
11.60662411	46.6577852	22.83903071	3/3/2002	56.71	0.9021
177.4662114	237.1463218	177.5638254	3/4/2002	34.38	0.4196
134.1287288	179.870197	136.6464357	3/5/2002	30.78	0.4443

127.1465116	177.652857	126.7629924	3/6/2002	45.75	0.4688
56.70975096	88.74534622	54.1234115	3/7/2002	50.79	0.5429
33.51428015	52.66417114	34.92845455	3/8/2002	56.09	0.637
7.202874334	23.16081793	15.90957048	3/9/2002	63.43	0.8448
155.2048626	218.3269987	148.5731708	3/10/2002	52.75	0.35
90.56312334	129.1212631	97.69501863	3/11/2002	38.96	0.4139
37.08303459	64.55901467	41.31045076	3/12/2002	46.83	0.7917
33.76430689	76.36176249	37.98219369	3/13/2002	49.75	1
25.175969	60.96759487	33.01858034	3/14/2002	56.04	0.7767
18.32593234	62.80634144	29.35856926	3/15/2002	64.54	0.7317
14.33129827	61.2881282	24.68398492	3/16/2002	66.38	0.7021
103.1939037	168.689881	109.4222975	3/17/2002	45.5	0.8638
77.28025666	136.7019055	87.53227572	3/18/2002	44.83	0.9871
73.66843556	116.5406393	77.56905848	3/19/2002	45.61	0.9161
58.9351997	99.04703945	64.80839721	3/20/2002	46.42	0.9942
91.4818239	140.5447238	91.25599431	3/21/2002	50.46	0.6921
240.9452209	315.7095091	242.3403267	3/22/2002	34.54	0.3688
155.6726296	206.4351851	154.6562581	3/23/2002	38.88	0.4442
74.44374434	106.6845416	76.1206442	3/24/2002	50.78	0.4113
50.45051161	86.80160481	51.54651883	3/25/2002	54.67	0.6458
32.33709706	78.6206806	35.82629428	3/26/2002	54.75	0.9175
101.5701376	165.2840331	105.0972379	3/27/2002	49.96	0.7262
63.64434691	87.60272943	61.11895669	3/28/2002	43.38	0.5929
69.8675804	109.3089449	65.3717339	3/29/2002	55.92	0.7217
20.27740089	71.55040259	33.56811557	3/30/2002	67.46	0.7179
67.94971893	109.1733066	70.3480515	3/31/2002	51.33	0.9362
92.29033192	143.4748488	96.52189443	4/1/2002	54.96	0.6439
108.9072302	176.1243439	111.7926793	4/2/2002	59	0.5871
86.22205467	163.7867649	94.7169941	4/3/2002	63.83	0.6888
202.9214522	268.9370878	210.338195	4/4/2002	45.58	0.4529
181.651589	237.2177523	187.4380443	4/5/2002	45.88	0.4438
195.3229734	253.8649374	203.2306058	4/6/2002	41.58	0.4921
147.6029075	197.1055458	154.6812035	4/7/2002	42.79	0.4871
133.3807018	200.2386799	135.0362324	4/8/2002	55.78	0.6348
37.76869982	94.35656838	45.98788101	4/9/2002	66.27	0.7282
89.31297894	149.3392787	93.55022812	4/10/2002	60	0.6754
128.039131	183.4920035	132.6661678	4/11/2002	58.16	0.6295
42.95665909	90.77933739	51.35850403	4/12/2002	59.92	0.84
21.66525854	66.6577354	36.56500853	4/13/2002	67.91	0.7917
31.74868648	80.92611195	42.02783216	4/14/2002	70.22	0.7387
17.63366556	57.67054497	29.27919076	4/15/2002	72.7	0.7548
11.61759864	47.38012632	28.08499119	4/16/2002	77.62	0.6488
17.86297591	69.01397657	39.40590051	4/17/2002	78.74	0.6091
28.94721753	80.47202988	45.50834723	4/18/2002	75.12	0.7004
26.55007646	77.30916449	43.28054263	4/19/2002	71	0.8588
32.71453764	84.14851279	47.47642906	4/20/2002	72.38	0.7996
116.1034634	182.1596935	131.8710747	4/21/2002	59.08	0.9317
149.9670805	223.5180721	165.8189534	4/22/2002	58.12	0.845
269.1807276	352.9637022	281.8335489	4/23/2002	49.92	0.5804
175.9118132	236.3355058	182.2551549	4/24/2002	51.88	0.5912
166.1881629	246.3840889	176.659375	4/25/2002	58.96	0.7771
163.3779259	220.4595762	171.0889402	4/26/2002	54.17	0.5129

133.3811889	192.1333881	141.2292006	4/27/2002	58.33	0.7346
72.20344649	152.6944552	80.77324283	4/28/2002	67.96	0.8846
211.0569073	291.1143171	216.0329029	4/29/2002	63.04	0.5621
210.8043978	274.2027912	222.4862362	4/30/2002	56.96	0.5683
152.9553638	204.5895233	145.4976872	5/1/2002	63.33	0.6129
84.79680901	161.3424862	80.42243555	5/2/2002	69.17	0.8579
163.3641303	214.0614456	159.5824513	5/3/2002	62.54	0.6254
205.4492872	265.6333277	210.9666653	5/4/2002	51.96	0.62
133.7615467	186.641169	137.2764635	5/5/2002	54.92	0.8496
127.5027899	184.7897696	129.2889649	5/6/2002	61.04	0.745
84.52958423	151.3161452	82.69488051	5/7/2002	70.35	0.7443
63.77922568	113.9757996	64.56278495	5/8/2002	70.91	0.7986
59.73719374	109.3237555	61.22850245	5/9/2002	67	0.9542
76.52175317	131.2626635	80.1122981	5/10/2002	73.12	0.6979
228.8961535	291.726445	232.4314292	5/11/2002	65	0.4746
152.4813805	219.0850635	151.5109112	5/12/2002	70.55	0.7025
101.4444477	179.0975078	106.7475489	5/13/2002	75.59	0.7441
359.5240052	444.6198473	368.9996052	5/14/2002	59.33	0.4988
255.004202	319.0820895	259.1302535	5/15/2002	60.88	0.5329
214.9781093	283.628891	221.3140596	5/16/2002	67.5	0.5842
150.0696687	235.1625399	155.9937821	5/17/2002	73.38	0.6279
253.7924819	339.3826377	256.8246296	5/18/2002	61.75	0.7633
253.0800279	305.9222386	256.8314483	5/19/2002	51.12	0.6371
271.1986365	336.889741	273.4770874	5/20/2002	53	0.5462
232.056745	287.0189238	234.7135264	5/21/2002	52.17	0.575
198.3202836	255.3827973	196.8259215	5/22/2002	53.17	0.575
129.5160647	177.8612494	132.2548273	5/23/2002	59.08	0.5854
128.1949526	182.9365267	129.2677422	5/24/2002	68.04	0.5739
109.489325	184.6288643	110.7968618	5/25/2002	70.67	0.7225
69.61970884	114.4961595	68.01910585	5/26/2002	72.21	0.7604
85.81334623	129.7413126	88.65260602	5/27/2002	73.17	0.7383
89.27953545	126.2176225	92.25903213	5/28/2002	72.12	0.7733
104.408063	163.6807841	108.3989136	5/29/2002	71.26	0.79
83.5319062	120.5872626	83.094635	5/30/2002	71.91	0.8013
98.31236287	171.7157375	102.5233002	5/31/2002	77.54	0.7062
114.8193423	178.3259345	122.1518919	6/1/2002	82.96	0.5683
152.3397899	230.8493129	157.6014921	6/2/2002	79.7	0.577
236.5699129	297.2324638	236.4068666	6/3/2002	71.96	0.4396
164.0944117	228.4703779	164.4303546	6/4/2002	75.33	0.7012
124.9150749	204.7666539	126.3606134	6/5/2002	83.12	0.655
148.8820223	217.1235498	152.0338511	6/6/2002	77.52	0.7943
285.40894	368.9839569	287.2324094	6/7/2002	65.42	0.8042
224.6736564	284.7448335	225.6270752	6/8/2002	63.42	0.7292
203.3563161	268.0210696	204.9219567	6/9/2002	67.5	0.6662
141.8768566	192.8190436	144.3207385	6/10/2002	76.62	0.5967
214.0742794	284.074693	216.0453508	6/11/2002	79.58	0.5388
194.53798	289.4935435	196.8750444	6/12/2002	83.55	0.5405
143.53489	202.6115665	145.9142389	6/13/2002	80.9	0.6785
149.5661221	203.1536618	150.5105513	6/14/2002	74.43	0.8526
203.5941058	274.7487563	206.0481641	6/15/2002	71.32	0.7273
285.5602822	362.684988	287.778725	6/16/2002	71.96	0.6004
208.8364339	274.8815093	210.7860082	6/17/2002	73.33	0.5925

209.3294112	273.7942942	210.7047776	6/18/2002	73.33	0.5925
210.2937112	274.9104753	211.8915128	6/19/2002	73.33	0.5925
236.4832911	296.6316475	238.7075428	6/20/2002	73.77	0.65
235.0270974	298.9036664	238.6106317	6/21/2002	73.77	0.65
185.6879803	250.1497667	187.6111714	6/22/2002	72.79	0.7354
136.0078477	193.0919675	139.0256283	6/23/2002	77.17	0.7462
147.7267709	205.1842071	149.5972343	6/24/2002	84.33	0.6179
174.7542304	240.2469872	174.9366015	6/25/2002	83.25	0.66
231.8551545	311.1289798	236.4855566	6/26/2002	82.5	0.7004
240.924913	320.7290952	243.5026066	6/27/2002	79.58	0.79
210.949392	281.3878923	213.1064552	6/28/2002	76.83	0.7917
211.4571714	276.2782931	214.384483	6/29/2002	77.42	0.6812
179.7464974	231.3737192	181.6561774	6/30/2002	76.95	0.616
183.5427781	239.9173652	185.3135075	7/1/2002	76.95	0.616
167.7221873	219.2814122	169.3259679	7/2/2002	82.67	0.6371
144.5705042	193.7718092	143.8183321	7/3/2002	82.71	0.7612
155.4092405	191.8574744	153.2222404	7/4/2002	84.9	0.6857
254.1231232	296.9654956	258.8802891	7/5/2002	85.05	0.5618
388.7894703	437.1655704	394.4419296	7/6/2002	76.08	0.5304
218.7859838	258.7498708	223.1760158	7/7/2002	77.22	0.5552
314.3133429	376.8858398	318.2712602	7/8/2002	78.91	0.5565
299.2921478	386.3950844	304.7796827	7/9/2002	81.19	0.6462
193.657208	264.9457281	197.0380321	7/10/2002	80.96	0.7054
442.6935616	529.0624575	447.0951785	7/11/2002	72.75	0.4738
298.7542757	367.6602358	302.7826145	7/12/2002	69.52	0.5417
265.7074531	327.7770466	269.1710972	7/13/2002	74.88	0.5925
203.2025036	276.7717402	204.598338	7/14/2002	71.83	0.9435
157.7059648	217.3277066	160.5273178	7/15/2002	79.35	0.6865
175.0518475	244.9265446	179.3319436	7/16/2002	83.12	0.6121
158.0954817	202.5515881	159.8174459	7/17/2002	83.17	0.5483
167.3523138	217.0469422	167.6756275	7/18/2002	83.71	0.6258
149.9077199	200.9323734	153.4519737	7/19/2002	82.08	0.7288
195.7690079	264.5757503	198.1690359	7/20/2002	80.14	0.739
190.2051927	245.7322351	193.5302239	7/21/2002	78.68	0.7405
219.2225145	292.0311887	222.4728562	7/22/2002	81.75	0.7217
271.0271422	371.5122464	274.5228851	7/23/2002	82.61	0.7113
166.2169745	212.8295934	169.6853373	7/24/2002	77.08	0.8454
234.9994098	306.5622156	239.803701	7/25/2002	73.08	0.8992
212.8184122	284.9937177	215.6807956	7/26/2002	70.84	0.9342
164.0129465	226.9500479	167.2820982	7/27/2002	74.52	0.9396
149.7069659	215.8279393	154.341972	7/28/2002	83.39	0.7387
172.2333588	269.6254015	174.1509938	7/29/2002	88.36	0.63
229.3371865	300.6269368	231.9849692	7/30/2002	87.88	0.5658
169.7883928	200.9939872	173.4276042	7/31/2002	83.26	0.6365
183.1526396	221.3124088	186.6617846	8/1/2002	84.42	0.6292
151.8369401	188.3389356	154.4577729	8/2/2002	80.09	0.7948
184.7232772	223.9242377	190.6522141	8/3/2002	81.43	0.693
189.6480331	236.2883038	191.3472132	8/4/2002	82.62	0.6758
246.3046524	298.6028367	250.1024258	8/5/2002	83.04	0.6717
463.8570528	546.0228756	468.5705019	8/6/2002	79.52	0.5522
449.3767407	519.448907	451.5523834	8/7/2002	70.82	0.4977
365.9497676	443.7874631	370.0621266	8/8/2002	71.88	0.5071

293.6233511	370.2275838	295.4147053	8/9/2002	73.57	0.5217
271.9910075	347.6278235	274.9314188	8/10/2002	75.75	0.5412
247.1226377	327.7278969	250.0091925	8/11/2002	79.67	0.5742
182.499882	263.0958452	185.7847583	8/12/2002	81.86	0.6071
186.8178942	270.1776841	189.3740088	8/13/2002	85.88	0.5496
295.1714301	376.6297635	296.9344442	8/14/2002	84.5	0.5423
237.1765728	317.7785365	239.4499932	8/15/2002	82	0.7296
191.8332672	262.5115538	194.5466081	8/16/2002	79.62	0.8333
193.3674559	267.2673703	197.874146	8/17/2002	83.33	0.6988
164.7241761	222.2335414	169.1446417	8/18/2002	83.79	0.6783
142.0591604	189.3520234	143.0967896	8/19/2002	84.12	0.6571
247.3120801	319.0317852	250.2647708	8/20/2002	84.32	0.5718
245.3347385	316.7570487	250.1204469	8/21/2002	79.86	0.7162
220.6165635	290.3114424	225.3731929	8/22/2002	82.09	0.6587
195.2719554	278.7702372	198.5855243	8/23/2002	88.5	0.5812
188.0011986	262.4686101	192.1130526	8/24/2002	82.92	0.7538
243.6396114	305.9566075	247.71403	8/25/2002	80.42	0.6396
196.4154818	257.5229028	199.8761246	8/26/2002	75.65	0.7909
260.9212972	324.6661059	263.2791575	8/27/2002	72.5	0.7633
279.126149	360.76418	282.0335767	8/28/2002	67.33	0.9838
285.8131113	367.2402542	288.4060735	8/29/2002	65.09	0.9335
215.8187997	287.6177569	219.8041059	8/30/2002	66.74	0.9091
230.8836424	307.3292394	233.7950079	8/31/2002	66.33	0.9504
258.7063185	345.5290494	261.3939092	9/1/2002	66.42	0.95
175.9115405	232.5438004	174.3658937	9/2/2002	67.71	0.8779
146.9916919	195.7797975	148.5469563	9/3/2002	73.5	0.8346
122.451617	179.5701472	121.6281702	9/4/2002	79.7	0.773
217.0037546	278.7653227	212.8877723	9/5/2002	73.52	0.64
219.3758327	280.2248007	215.9720065	9/6/2002	71.45	0.7023
179.414374	226.8282543	179.0397538	9/7/2002	70.25	0.7342
168.7024459	222.7300147	165.623437	9/8/2002	70.62	0.8317
249.1913003	326.7666584	233.7169502	9/9/2002	73.62	0.6517
174.6611819	254.1973401	151.3455802	9/10/2002	76.29	0.8112
320.9429704	407.2253171	300.5068166	9/11/2002	76.21	0.5408
255.7473665	315.5883869	242.3574759	9/12/2002	66.58	0.5492
215.7167386	273.5133986	198.4703565	9/13/2002	67.54	0.6967
146.0460465	200.6797181	125.3610868	9/14/2002	71.36	0.8995
116.3040973	187.7257065	90.69553923	9/15/2002	73.62	0.9675
93.79109638	135.9101249	75.64481197	9/16/2002	73.52	0.9539
164.125383	216.3793607	142.6496958	9/17/2002	72.57	0.7543
120.6373148	182.0051002	104.125118	9/18/2002	71.54	0.7817
149.2113248	195.9601438	126.7039296	9/19/2002	70.96	0.7843
131.7061544	194.2980211	104.8628299	9/20/2002	73.68	0.8541
151.3639454	202.2493945	120.7488286	9/21/2002	73.65	0.8322
128.8338778	188.2524717	102.1024708	9/22/2002	73.43	0.8243
251.4609781	333.8857011	214.2470737	9/23/2002	69.86	0.7636
247.2109421	309.1718381	216.2399854	9/24/2002	66.17	0.6513
217.198184	283.8597745	182.6466762	9/25/2002	67.08	0.7654
153.8955866	211.2428377	121.8713386	9/26/2002	66.65	0.983
116.1899417	187.9642829	82.89253097	9/27/2002	75.87	0.8939
240.0241869	324.5810906	198.2998355	9/28/2002	72.41	0.7109
179.0814687	236.9419359	148.9373658	9/29/2002	65.39	0.8109

129.3282578	180.1525059	104.1651874	9/30/2002	66.46	0.8171
128.2582174	185.6228139	100.8022609	10/1/2002	69.54	0.8429
81.31641437	113.1259544	58.83066044	10/2/2002	74.04	0.7962
76.19733322	111.8623498	49.25583468	10/3/2002	77.55	0.7623
125.027327	194.4094084	90.99845686	10/4/2002	75.41	0.825
179.7641797	254.7629466	132.4120672	10/5/2002	78.46	0.6775
250.950016	316.5531516	209.2853844	10/6/2002	65.58	0.7162
206.6644671	274.1169382	164.1750747	10/7/2002	69.91	0.7227
315.8454016	388.6022525	277.0193245	10/8/2002	59.26	0.577
181.2266328	233.3548056	154.1054304	10/9/2002	60.5	0.755
133.64178	185.3509024	98.4160206	10/10/2002	64.87	0.92
121.4365309	186.1473185	85.38238842	10/11/2002	67.45	0.9777
129.908817	187.7835681	97.53185951	10/12/2002	67.46	0.9258
121.4949021	179.1011377	92.25514616	10/13/2002	66.42	0.8783
330.400006	411.0749105	285.6916554	10/14/2002	55.25	0.6417
239.5481191	309.8345703	201.6114291	10/15/2002	53.04	0.8904
202.0584756	270.695752	158.5961115	10/16/2002	57.17	0.9783
175.3076425	228.1400574	149.0087268	10/17/2002	55.92	0.7942
169.195817	211.726553	142.0397883	10/18/2002	50.17	0.7362
253.05043	330.8900195	211.5058015	10/19/2002	56.96	0.7208
151.6976763	204.9548324	120.3559403	10/20/2002	60.21	0.7883
150.6423883	188.9695694	121.4423102	10/21/2002	53.13	0.9004
121.4661071	162.4797206	98.97090802	10/22/2002	53.19	0.8281
121.4797661	172.9166656	95.96489612	10/23/2002	54.91	0.807
194.5970867	262.6062824	158.3130492	10/24/2002	53.65	0.8104
178.4857501	241.5654487	143.963983	10/25/2002	50.75	0.954
170.262133	222.8022048	138.4192409	10/26/2002	50.75	0.954
99.5798613	155.6532627	77.5734369	10/27/2002	58.5	0.7617
166.0432163	224.5971751	128.3585333	10/28/2002	51.08	0.9158
195.2794854	255.6830931	159.788448	10/29/2002	46.26	0.9583
219.5087594	280.1991365	177.6445135	10/30/2002	42.74	0.9909
191.077619	245.6705051	158.7385335	10/31/2002	42.62	0.8579
174.791014	231.1020036	145.0150455	11/1/2002	45.54	0.7442
182.7858321	232.1500466	150.8939897	11/2/2002	41.12	0.6662
136.3499558	168.2739769	111.1398177	11/3/2002	43.43	0.6526
114.161223	159.8866603	88.94493735	11/4/2002	47.71	0.8833
125.3283664	165.4834976	95.19377399	11/5/2002	46.65	0.8778
122.7059002	165.5398322	91.03001395	11/6/2002	47.83	0.9257
159.7439028	216.8211662	127.1309698	11/7/2002	45.12	0.7092
138.3899942	187.4844889	106.9156871	11/8/2002	47.67	0.7904
117.3217351	176.9485094	80.15493267	11/9/2002	55.48	0.8109
29.25829973	90.39601986	9.186627834	11/10/2002	65.67	0.8408
11.58426026	29.00722158	6.064686416	11/11/2002	67.38	0.925
59.48696792	99.81421881	28.56895832	11/12/2002	57.12	0.9883
149.499636	195.7761664	114.6449209	11/13/2002	47.04	0.8483
119.2957044	167.4585194	92.3617298	11/14/2002	46.71	0.7717
119.9726205	176.3544257	90.05468807	11/15/2002	49.96	0.7661
62.17817119	101.3631447	41.2045624	11/16/2002	53.17	0.965
119.5265304	177.7682782	83.40255975	11/17/2002	46.38	1
165.5954776	220.0950051	129.4928462	11/18/2002	43.78	0.6809
123.9594373	175.0724061	95.40628769	11/19/2002	43.64	0.755
73.59941271	99.98453744	57.32862982	11/20/2002	45.21	0.8458

46.51455318	81.72960684	28.85838663	11/21/2002	49.13	0.9496
129.7031609	183.8554569	95.13216387	11/22/2002	49.42	0.7775
205.8533506	265.242198	165.9375679	11/23/2002	41.68	0.51
109.1758485	166.822733	83.71165706	11/24/2002	47.61	0.5991
68.39503682	99.90193343	49.6739696	11/25/2002	50.46	0.785
104.7673758	157.7187623	80.30946534	11/26/2002	46.19	0.7967
173.4395362	234.1985623	141.2679138	11/27/2002	40.88	0.6562
148.0866048	184.9022384	121.6360995	11/28/2002	32.17	0.6
201.5387099	261.6134967	160.3251703	11/29/2002	38.58	0.5542
189.2338566	259.1635181	144.3119776	11/30/2002	48.79	0.5162
202.9457419	255.9093291	161.5650003	12/1/2002	35	0.4333
180.1742419	231.9794841	144.8682258	12/2/2002	38.88	0.4838
190.4423807	244.3656118	161.1774401	12/3/2002	32.12	0.4592
118.5246213	154.873268	98.30442595	12/4/2002	25.42	0.5471
112.928373	155.5037041	89.50435512	12/5/2002	29.09	0.963
77.41530102	100.4586234	57.01036326	12/6/2002	30.09	0.8427
94.67701212	139.5103696	78.26667318	12/7/2002	29.38	0.8412
81.85831645	120.653461	61.00583832	12/8/2002	38.95	0.6982
124.6797977	159.50054	100.4971425	12/9/2002	32.05	0.5577
93.58105557	136.1170132	82.39597154	12/10/2002	32.3	0.7035
91.00530757	146.2708996	69.92273656	12/11/2002	34.67	0.9588
54.03081041	78.61496142	35.94843605	12/12/2002	39.58	0.9171
61.31391504	88.74029415	43.19507705	12/13/2002	36.57	0.9939
84.80961321	142.2655831	55.79906433	12/14/2002	44.55	0.7777
79.08119974	124.5420992	56.11451574	12/15/2002	43.46	0.6046
110.4708729	159.617929	80.08087901	12/16/2002	44.65	0.5365
86.15392171	135.5324369	70.58688665	12/17/2002	33.78	0.6591
65.97654468	89.43336669	51.80460218	12/18/2002	36.92	0.6542
23.68713395	53.84188942	11.92515361	12/19/2002	46.25	0.9279
11.04596587	28.54628225	9.268868604	12/20/2002	58.09	0.8078
134.11141	196.9746766	98.13626122	12/21/2002	47.1	0.4457
87.90049762	150.1450092	57.92255943	12/22/2002	47.77	0.5659
103.5677757	147.4765485	73.96610859	12/23/2002	45.13	0.5009
66.4429343	105.0219135	48.35269008	12/24/2002	40.96	0.7658
110.8042139	163.0486466	77.96376881	12/25/2002	37.64	0.8195
108.1372609	157.566881	83.63656315	12/26/2002	37.41	0.5745
59.24343993	84.5358281	46.85554992	12/27/2002	31.82	0.6541
80.72955988	115.2558411	61.28393605	12/28/2002	36.21	0.6396
54.64441756	83.03943731	37.69405086	12/29/2002	40.58	0.6529
36.58521024	77.48546102	21.17952151	12/30/2002	41.1	0.8905
26.5304693	78.49588872	9.196336373	12/31/2002	50.96	0.7926
1.031679389	11.96169767	0.161832061	1/1/2003	58.68	0.9836
43.33977579	83.56860917	18.8035558	1/2/2003	45.08	0.8804
41.32065941	82.86712105	19.88877319	1/3/2003	41.81	0.9867
83.28990502	115.7468509	53.39472218	1/4/2003	36.96	0.7452
56.43519735	84.8118991	35.41854289	1/5/2003	32.71	0.8604
50.47785537	84.88168204	33.86580394	1/6/2003	35.77	0.9259
156.3505374	225.5406757	114.1091119	1/7/2003	33.25	0.5025
101.8395521	160.3870613	61.48077322	1/8/2003	46.7	0.528
60.48806602	104.7330487	34.80457133	1/9/2003	57.12	0.4779
94.27627096	143.2122509	58.83565189	1/10/2003	46.14	0.4855
119.2043887	158.5794859	87.52247096	1/11/2003	33.42	0.4792

114.7940743	149.6248642	88.02139727	1/12/2003	29.1	0.45
111.6485509	157.511461	86.22282493	1/13/2003	29.1	0.45
66.3407476	90.80615269	45.88385174	1/14/2003	32.3	0.717
104.8344289	152.8067352	77.59381435	1/15/2003	30.17	0.6379
88.20210655	122.6003878	65.18206603	1/16/2003	24.73	0.5995
117.1427972	155.5387971	84.15408147	1/17/2003	25.86	0.7418
105.6618044	138.3538686	81.20886554	1/18/2003	18.26	0.6339
124.6395976	168.7298298	94.24232951	1/19/2003	25.73	0.5968
96.02421668	139.7172336	62.34012759	1/20/2003	39.65	0.6035
79.80253118	112.7150788	57.15424921	1/21/2003	27.7	0.7226
96.48263956	134.3376239	72.79448835	1/22/2003	25.35	0.5604
188.8899363	253.0734628	147.8500308	1/23/2003	18.82	0.5236
116.5137767	158.3739601	88.37019169	1/24/2003	24.83	0.475
68.42701461	86.29413019	46.62158088	1/25/2003	26.88	0.6075
81.28829927	115.6676436	54.33319978	1/26/2003	35.17	0.5838
140.7929939	195.9556465	108.0909606	1/27/2003	22.17	0.4938
86.830051	129.3697316	60.24449228	1/28/2003	28.43	0.5448
38.62691802	72.1933807	21.07098591	1/29/2003	39.73	0.8
57.99458808	83.21957366	32.49789959	1/30/2003	32.86	0.9382
56.67925273	81.68717546	30.73036394	1/31/2003	32.86	0.9382
39.98118505	75.57549048	21.03071159	2/1/2003	38.21	0.8884
34.50151774	70.70604223	20.42237096	2/2/2003	36.83	0.7987
27.35692159	67.10973035	9.254037209	2/3/2003	42	0.7233
33.78480934	84.58452528	12.90698055	2/4/2003	52.38	0.6229
68.85473145	101.2175134	46.81398794	2/5/2003	36.5	0.5018
64.56982239	89.21832966	44.87060231	2/6/2003	31.83	0.725
47.1153852	77.86203825	28.94886419	2/7/2003	33.33	0.9738
86.76673	131.2824324	67.01783622	2/8/2003	31.79	0.5412
68.58347023	91.51115242	54.04907197	2/9/2003	34.62	0.4796
47.32435884	83.57795773	30.91099899	2/10/2003	35.91	0.8673
76.00151537	134.6155645	56.3817958	2/11/2003	38.58	0.6175
124.0684272	189.8081888	96.44283121	2/12/2003	41.13	0.3952
116.655448	160.6159704	94.40068733	2/13/2003	36.87	0.3183
33.00744763	70.65360622	25.92008375	2/14/2003	38.27	0.7714
51.71946399	84.31437371	34.84941027	2/15/2003	36.67	0.9508
103.5886113	146.2140483	84.15955699	2/16/2003	22.88	0.8994
85.07319521	132.8214998	69.81497944	2/17/2003	24.67	0.9092
45.19497862	72.13981178	32.96051158	2/18/2003	29.96	0.9046
32.41350821	69.90258359	26.14449913	2/19/2003	37.41	0.8691
25.81319463	65.40460191	13.38095177	2/20/2003	43.26	0.7543
21.37300678	57.40858705	10.29012847	2/21/2003	42.08	0.8704
12.25353905	69.26075654	10.19844968	2/22/2003	43.78	0.9933
41.07475253	106.4041044	21.31957361	2/23/2003	51.14	0.6838
60.98944211	105.0797823	43.7605185	2/24/2003	43.09	0.6304
91.84187547	142.1209131	70.53845489	2/25/2003	37.61	0.5796
86.19672351	139.3120443	72.85563814	2/26/2003	28.75	0.8058
81.99923348	125.8041932	62.74921487	2/27/2003	29.96	0.9717
47.33325756	85.03792457	36.01134921	2/28/2003	33.57	0.9743
31.71797247	74.22411091	19.39327089	3/1/2003	40	0.9471
19.62070864	68.22578565	11.27485094	3/2/2003	47.42	0.8579
102.241231	147.4362103	84.97378958	3/3/2003	35.52	0.513
55.19751878	81.09777089	40.2142568	3/4/2003	38.58	0.6467

6.192348977	21.41639949	6.81278611	3/5/2003	55.83	0.8152
13.39057447	70.81842634	9.612012831	3/6/2003	51.38	0.9017
83.38181698	134.3553031	64.61737014	3/7/2003	33.57	0.7422
59.4595349	91.14855292	35.32561887	3/8/2003	43.23	0.7191
54.01249263	99.42112098	36.09369888	3/9/2003	56.86	0.52
89.30132672	151.116306	71.34736021	3/10/2003	37.14	0.5477
59.77418886	90.53607086	45.48130236	3/11/2003	36.35	0.7774
40.11235879	90.01571508	26.13785111	3/12/2003	52.22	0.6617
11.30225465	30.67315796	9.762759888	3/13/2003	60.08	0.6988
124.7975289	175.827073	92.86663497	3/14/2003	41.87	0.6226
48.61829629	83.11449294	34.08185537	3/15/2003	41.08	0.7325
19.95841526	59.92401035	11.13592587	3/16/2003	51.24	0.909
5.934518284	19.5707136	4.3520469	3/17/2003	57.29	0.9386
7.499353838	20.98288666	4.708155579	3/18/2003	57.29	0.9386
89.02202767	166.8653258	54.26501718	3/19/2003	46	0.8425
55.26638386	110.8363153	29.22115321	3/20/2003	46.24	0.9905
58.00555464	108.9937155	31.60205231	3/21/2003	46.24	0.9905
18.60042691	66.28722998	14.38127744	3/22/2003	58.26	0.7243
41.41925707	91.12139665	26.30137448	3/23/2003	55.25	0.6717
52.67624285	98.28829279	34.27292514	3/24/2003	55.75	0.6038
73.27696721	128.4491062	46.20826629	3/25/2003	58.29	0.6038
74.00234809	136.7707159	39.54860823	3/26/2003	60.38	0.6579
72.57335848	109.1429094	47.27729302	3/27/2003	51.35	0.7226
45.88728917	100.424459	18.07849989	3/28/2003	57.83	0.805
10.86277647	31.94814306	2.498282443	3/29/2003	66	0.9235
189.6808583	277.0483198	136.5202053	3/30/2003	40.74	0.933
243.2950027	327.5229514	191.9257315	3/31/2003	40	0.4829
156.132344	219.7458159	100.8864051	4/1/2003	50.83	0.5539
76.75095021	115.0181081	41.65389208	4/2/2003	68.35	0.4826
48.80744262	102.4340333	29.73608835	4/3/2003	71	0.4778
41.33682039	94.25619566	24.43169416	4/4/2003	65.08	0.6829
50.27070532	105.4791345	27.35306252	4/5/2003	60.12	0.82
138.7658175	192.5308655	103.985594	4/6/2003	52.13	0.64
165.3830144	224.1951628	123.1102275	4/7/2003	41.5	0.9858
143.9138132	200.0645529	104.351021	4/8/2003	40.64	0.9968
155.5184906	224.4549739	113.3711775	4/9/2003	40.83	0.9883
181.7294749	266.2040166	120.4460257	4/10/2003	43.83	0.9238

2/5/05)

100% Station Factor

	20F Range		29.87F Range
	1/3dry 2/3 wet CT		3/3 Wet CT
WBT °F	**Evaporation (GPM)**	**Service Water Evaporation (GPM)**	**Evaporation (GPM)**
64.43669	8228.369	424.4943	12675.28
61.75601	8378.619	430.961	12873.33
59.03427	8192.874	423.0391	12608.4
63.45612	8133.647	420.6708	12614.93
65.25237	8173.063	421.8795	12865.18
60.13129	8624.577	443.3637	13099.08
50.04023	7956.122	414.7071	12133.85
47.58184	7773.318	406.6967	11874.05
44.28044	7451.004	391.7781	11427.45
49.96642	7773.75	405.0888	11903.95
53.26888	7910.636	410.2413	12118.67
60.76647	8348.124	429.5819	12804.1
64.64284	8775.5	448.6738	13349.74
61.9762	8532.98	437.6399	13012.41
46.37373	7703.759	403.849	11772.04
47.81984	7559.861	395.1255	11607.65
48.73873	7193.484	383.2904	11431.46
46.50705	7449.276	390.091	11451.65
51.07976	7724.187	402.4407	11879.86
50.55757	7904.941	411.6491	12076.08
51.44524	7854.805	408.4264	12024.66
56.98708	8292.809	427.997	12644.83
59.48024	8604.132	442.6805	13064.76
44.16173	7519.002	395.5526	11512.63
45.50901	7678.686	403.149	11730.46
61.86289	8778.869	450.3336	13313.75
55.10154	8456.141	437.6556	12822.56
51.28467	7775.253	404.3283	11922.94
52.0766	7945.227	412.7942	12146.05

50.44205	7807.174	406.5503	11951.98
52.44059	7854.121	407.773	12036.96
50.38266	7803.001	406.3678	11945.98
48.69323	7561.342	395.3841	11645.48
47.50682	7872.01	412.028	11997.73
54.3152	7500.137	395.7856	11906.28
52.12198	8087.707	420.268	12324.81
52.1107	8063.669	419.0096	12294.61
56.76691	8609.813	444.6053	13035.18
51.27192	7255.212	386.3504	11600.36
48.74559	7305.242	386.978	11497.66
53.83613	7504.49	395.8428	11885.81
55.98832	7623.644	400.6191	11936.81
53.51786	7668.116	401.6496	11975.72
55.04469	7624.086	400.4775	12023.3
54.60492	7853.526	408.7885	12152.85
60.43578	7899.607	411.4397	12367.61
51.99	7406.189	391.8324	11527.19
55.83225	7640.773	401.2413	11897.69
61.86812	8553.74	438.7637	13036.42
44.81707	7353.449	386.1076	11309.69
44.4797	7273.832	382.9252	11231.67
48.22288	7343.754	387.9388	11491.16
48.2306	7195.886	383.1165	11405.4
49.1849	7103.388	380.4997	11363.11
50.18497	7877.996	410.4695	12037.58
37.20222	6954.726	370.2474	10716.32
36.69262	6902.283	367.7581	10643.38
40.27057	6522.375	357.6446	10527.71
48.3798	7539.956	394.4573	11614.69
40.34253	6731.565	363.492	10698.01
45.18671	6858.135	370.7595	10976.26
38.95544	6967.002	369.4207	10749.34
41.05594	7077.347	373.8467	10913.92
45.84361	6995.791	375.3996	11159.74
64.71369	8173.285	422.0535	12844.37
49.84904	7195.12	383.8195	11491
45.50386	7380.828	387.1015	11352.69
47.86101	7467.456	391.7208	11542.28
64.66142	8354.799	429.8705	12983.45
56.63247	7732.508	404.805	12172.33
28.20418	6387.391	346.8932	9901.355
27.06944	6216.789	337.936	9663.341
31.23424	6432.298	346.0533	9978.632
37.22385	7145.608	381.0445	10967.63
31.70837	6853.447	371.6305	10585.36
34.13642	7037.37	379.0805	10832.33
38.15954	7088.765	376.8934	10899.19
38.24056	7355.791	392.4347	11267.49
33.36238	7057.524	381.8259	10874.92
35.5218	7092.176	380.2462	10899.94
42.18853	7043.236	374.0079	10968.66

46.71841	7770.469	407.1739	11860.39
32.52228	6693.106	359.9291	10335.24
35.01573	6752.069	360.7991	10432.1
41.11643	6663.677	362.2585	10549.28
38.8278	7188.062	381.8277	11033.9
37.17792	7159.615	381.9685	10988.28
30.23802	6663.794	361.7551	10309.07
24.76136	6048.7	330.576	9423.489
25.34806	6100.963	333.048	9497.796
30.282	6474.862	349.6113	10029.64
43.7278	6730.661	366.0364	10862.82
59.866	7990.351	415.0984	12502.5
53.52386	7399.744	391.9995	11760.9
17.24898	5560.996	311.1655	8737.336
21.23558	5799.365	319.8387	9068.025
28.94272	6387.332	345.963	9904.342
35.13856	6171.872	343.9538	10059.45
47.78208	7091.029	379.4862	11170.19
42.55736	7031.28	374.0016	10985.4
24.05583	6032.824	330.6106	9400.496
25.71998	6089.333	331.8038	9482.439
25.37659	6026.647	328.3257	9393.938
26.20437	5766.353	323.9768	9352.605
32.3037	6061.89	338.2896	9756.708
36.98794	6762.632	360.7731	10495.9
25.89669	6247.804	341.6299	9707.709
31.04988	6681.541	361.2921	10321.8
38.19027	7042.779	374.2972	10839.86
33.01591	6826.331	367.3378	10521.73
21.27083	5824.311	321.4713	9104.556
30.77474	5957.484	334.1311	9619.201
49.19641	7447.301	391.9382	11606.7
35.90801	6815.684	363.5823	10523.26
34.42179	6513.195	351.4021	10212.65
50.92182	7305.471	387.9671	11613.55
32.02873	6760.724	364.7679	10432.37
34.67831	6943.846	372.1869	10684.49
36.89317	6901.353	367.5241	10644
36.06327	6766.716	360.6679	10460.65
35.57499	7047.594	377.3605	10832.97
31.44059	6648.96	358.5565	10269.75
28.33919	5949.295	330.6944	9568.722
25.73834	6334.96	349.1918	9880.229
25.46723	6294.641	346.7996	9816.035
25.84134	6068.62	330.3448	9453.956
34.19494	6920.745	371.4825	10653.9
23.10536	6177.27	344.4273	9693.913
20.66374	5853.868	325.8969	9182.875
25.43955	5509.455	318.0796	9174.498
25.32658	6042.235	329.3755	9415.598
18.73768	5597.694	310.4723	8778.588
12.96108	5220.391	296.8391	8273.647

12.26018	5155.39	292.4969	8158.406
24.25496	5931.016	323.7798	9256.585
16.26069	5434.518	303.8593	8548.127
17.96571	5548.028	308.4762	8708.283
28.38466	5729.21	326.3107	9495.16
27.67799	5978.561	330.3023	9530.867
12.30689	5167.562	293.5479	8180.516
8.982839	4891.355	278.7117	7757.563
23.8711	5904.825	322.6359	9218.72
24.27835	5986.553	327.307	9335.161
39.98585	6447.234	355.3527	10537.81
42.11074	6778.022	366.2951	10828.35
40.87377	6656.425	361.8542	10693.29
41.0058	6656.122	361.9576	10539.33
41.8275	6712.233	364.1924	10613.23
40.46948	6535.96	358.1752	10545.85
37.86052	6923.032	367.8898	10681.39
39.07141	7041.216	373.4495	10846.43
43.43877	7239.927	380.9475	11148.98
47.09188	7452.074	390.6491	11488.21
42.72625	6820.048	367.9869	10886.39
53.82267	7874.279	409.2107	12125.17
60.38909	8026.067	416.5362	12551.82
56.28798	7560.751	398.2763	12039.45
42.65809	7296.928	384.6371	11212.85
43.15169	7294.858	384.1485	11215.74
48.47579	7626.301	398.2331	11699.63
51.21616	8180.055	425.746	12429.08
36.30999	6798.936	362.2699	10505.04
34.903	6917.032	370.3204	10647.82
44.82479	7646.244	401.9248	11681.7
52.29182	8076.951	419.5913	12313.54
32.21277	6829.986	369.049	10538.99
30.29259	6596.229	356.9261	10196.67
38.28807	7304.171	389.2415	11192.9
43.67807	7703.083	406.1342	11748.33
41.15678	7383.611	390.6004	11308.08
41.67719	7477.267	395.2962	11433.32
44.11054	7738.067	407.6698	11797.18
46.59919	7720.64	404.5889	11796
52.83417	7904.55	410.1846	12105.23
56.92622	7826.678	408.4301	12250.72
45.96434	7532.644	394.95	11550.62
41.09815	7308.778	386.5367	11211.45
39.54572	7108.608	376.7899	10938.2
40.40619	7325.881	388.0676	11226.56
57.59143	8595.635	443.3593	13028.52
62.22383	9203.319	471.9892	13843.33
63.71479	9245.314	473.2237	13914.22
63.78559	8657.359	443.0739	13191.95
63.15808	8671.92	444.1459	13200.67
58.00474	7705.793	403.8754	12171.69

50.33	7292.834	387.3175	11377.9
50.08172	7937.037	413.6674	12110.4
41.62621	7834.984	416.2427	11931.17
36.29122	7359.373	395.688	11288.76
46.56681	7911.454	414.9733	12040.75
53.35525	8154.941	423.0071	12424.67
42.8579	7551.409	398.3553	11540.03
50.48738	7944.619	413.7955	12124.96
62.22287	8578.307	439.8373	13071.83
53.91527	7537.658	397.0688	11700.34
49.59035	7659.649	399.2792	11755.8
49.20846	8205.39	428.7978	12445.44
45.5469	7741.12	406.4841	11810.04
45.78043	7759.201	407.2776	11835.54
46.9408	8069.479	423.4477	12253.79
45.80775	8122.267	427.612	12321.31
45.61403	8006.885	421.3165	12165.46
50.41988	8333.819	434.7419	12621.62
60.26254	8688.873	446.6044	13180.31
63.55783	8845.068	452.8027	13419.43
64.86153	8220.398	424.042	12886.92
65.40511	8590.638	439.9737	13199.43
63.34142	8125.814	420.3628	12604.51
65.64009	8347.594	429.3556	13017.73
56.64921	8067.162	417.503	12401.54
50.06249	7979.936	415.9541	12164.02
53.91869	8196.262	424.8168	12483.55
52.80796	8472.038	440.195	12818.98
54.03954	8326.078	431.5386	12646.92
61.30602	8738.03	448.5449	13255.56
67.8812	8426.626	432.1325	13167.7
52.25486	8027.682	417.022	12251.47
55.8158	8184.804	423.0628	12494.67
62.67057	8666.509	444.1261	13186.93
68.98817	8909.173	453.7022	13607.97
70.00937	9015.849	458.413	13738.93
71.04988	8569.062	437.1443	13399.21
72.40768	8994.609	456.6527	13813.69
71.77909	8692.833	442.576	13530.15
70.98855	8712.813	443.933	13519.71
61.43462	7912.292	411.8274	12513.52
60.93344	8489.012	435.935	12943.12
58.3448	8600.03	443.1333	13044.11
54.32662	8372.203	433.7674	12708.08
57.71846	8028.973	416.3482	12428.8
60.99345	8020.998	416.32	12336.92
64.11149	8354.272	429.9247	12959.9
65.43173	8370.378	430.3967	13027.3
68.18216	8484.18	434.6115	13226
71.63986	8683.324	442.203	13517.2
70.98853	8601.857	438.7203	13425.1
62.5906	8546.657	438.02	13038.21

51.39131	7919.558	411.8778	12105.04
58.88544	8667.174	446.2866	13134.55
64.61063	8499.399	436.0897	13093.68
65.19426	8813.969	450.3554	13405.11
64.96733	9006.542	460.3051	13638.18
73.36594	8782.703	445.9338	13547.38
74.47989	9025.155	457.0854	13913.51
72.77659	8723.981	443.4696	13590.58
68.15602	8371.397	429.5248	13132.65
64.94572	8189.133	422.6698	12865.85
66.3949	8928.229	455.5703	13563.04
70.48879	9150.734	464.8533	13896.91
72.21249	9236.631	468.3816	14028.16
71.29396	9239.497	468.9571	14017.53
73.89234	9317.774	471.6992	14153.08
74.09294	9331.461	472.2969	14172.87
64.6764	8748.218	447.2627	13316.73
60.26929	8853.607	455.0937	13383.81
60.9697	8879.747	456.0297	13425.67
58.52617	8746.021	450.5825	13227.27
58.36693	8760.093	451.4086	13242.57
66.10348	8712.322	445.2393	13325.92
67.71847	8637.521	441.6678	13333.26
70.71608	9395.433	477.1164	14199.03
64.90576	8912.805	455.5509	13522.2
61.2703	8819.062	452.7336	13354.98
60.20987	8384.219	430.9254	12803.37
70.43791	9212.344	467.9936	13971.34
70.88082	9374.638	475.9843	14176.13
64.40094	8374.032	430.7337	12987.44
57.83319	8352.7	430.6166	12730.78
59.18628	8475.296	436.1918	12901.38
61.57444	8617.52	442.1995	13110.79
65.90219	8863.355	452.5143	13476.18
69.84301	9235.063	469.4323	13990.08
71.71568	9095.298	461.704	13874.65
69.43445	9045.666	460.0385	13752.5
68.00272	9385.761	478.008	14147.04
67.90826	9284.77	472.9283	14022.07
68.93477	8572.571	438.3353	13326.96
60.6995	8803.918	452.2817	13328.38
59.51356	8822.468	453.9373	13335.09
64.47021	8911.047	455.6909	13513.71
66.76051	9076.673	462.9411	13750.37
67.63731	9140.08	465.7167	13840.97
68.33052	9032.761	459.9198	13720
71.55847	9047.588	459.4921	13827.49
76.00073	9497.037	479.7584	14404.08
78.71363	9388.106	472.6529	14384.36
75.70155	9219.448	466.0113	14130
77.15579	9096.989	458.8618	14064.32
76.61417	9392.614	474.2072	14319.61

76.62262	9245.363	466.7603	14184.47
75.21622	9001.5	455.4557	13916.5
74.86533	8829.676	447.1904	13750.66
74.89071	9053.203	458.2241	13952.43
72.56977	8811.499	447.8052	13378.03
75.18241	8851.335	448.0253	13779.87
76.60255	9170.079	462.9689	14114.58
76.03661	9131.439	461.4003	14060.97
77.39245	9408.775	474.5868	14361.04
77.22093	9397.069	474.0915	14344.42
77.26756	9289.39	468.5778	14246.12
77.31895	9514.619	480.0265	14456.8
78.54332	9302.585	468.3484	14298.42
74.96017	8947.015	452.9334	13626.29
77.90365	9074.159	457.0878	14065.08
77.81187	9585.204	483.3794	14539.72
77.71352	9172.028	462.2621	14150.89
76.19262	8994.255	454.401	13940.53
75.31013	9414.51	475.9242	14292.94
75.1724	9545.05	482.5418	14449.47
74.91511	9736.087	492.2573	14677.77
75.2183	9443.253	477.4086	14326.43
75.81567	9519.629	480.9745	14428.62
75.1635	9293.613	469.9849	14178.4
78.48976	9851.528	496.4033	14873.44
75.66067	9401.466	475.1232	14293.94
64.86481	8202.098	423.2551	12771.73
63.11359	8668.816	444.0102	13196.2
66.96415	9091.399	463.5857	13771.41
63.28483	9172.279	469.713	13818.01
58.86642	8639.084	444.845	13099.54
59.95845	8856.913	455.4488	13383.66
65.9815	8838.598	451.2124	13447
72.78578	9057.394	459.5061	13882.32
74.09539	9183.75	465.0666	14041.54
71.57341	8863.697	450.7802	13669.98
69.50668	8870.571	451.8169	13596.88
73.22784	9087.566	460.7723	13924.96
74.87135	9384.572	474.6166	14249.65
74.88481	9490.003	479.9077	14378.07
76.17786	9651.204	487.4116	14594.13
75.84742	9340.287	471.9755	14244.97
75.00592	8913.209	451.2215	13830.19
76.20641	9179.992	463.7292	14110.87
74.98453	9392.295	474.9539	14260.82
73.32053	9448.952	478.5653	14303.9
73.77575	9161.935	464.1437	14010.57
74.91529	9017.916	456.4638	13921.51
74.30608	8902.382	451.1608	13798.1
74.9515	9057.353	458.3926	13958.18
75.59885	8935.205	451.8906	13751.12
75.19657	9511.752	480.8584	14409.37

72.37475	9314.895	472.253	14126.05
64.17506	8801.601	450.251	13374.95
61.75205	8573.832	439.858	13059.5
64.11621	8738.761	447.0678	13296.87
67.12567	8917.833	454.6751	13561.21
68.66045	8812.816	449.3734	13514.88
71.21234	8802.062	448.0284	13603.99
75.05579	9286.262	469.6714	14167.92
61.25589	8790.107	451.2522	13319.07
59.08649	8521.718	438.6482	12957.4
60.51915	8487.822	436.0982	12935.71
61.76719	8659.301	444.2422	13165.05
62.8647	8909.736	456.4943	13489.09
59.46131	8440.985	434.2647	12862.83
69.3065	8597.954	439.3485	13361.84
69.94119	8493.333	434.2252	13297.09
60.94732	8101.218	419.5758	12631.63
59.67335	8236.488	424.8993	12670.61
62.46803	8010.641	415.7048	12580.88
66.23356	8499.145	435.8557	13161.84
65.68265	8817.902	450.308	13417.17
71.21189	8654.096	441.0563	13477.4
72.93628	8781.081	446.1257	13475.78
71.97372	8743.071	444.8627	13356.4
69.55862	8652.163	441.7401	13416.42
69.24473	8778.705	447.6661	13509.94
61.9387	8558.628	438.9773	13043.46
61.40196	8428.523	432.9621	12893.6
58.11034	7981.623	414.5915	12414.75
52.45452	8018.74	416.4241	12242.88
52.04645	8244.338	428.567	12519.74
52.56716	8073.706	419.2432	12313.02
60.10401	8540.725	439.0544	12995.14
42.17487	6652.434	362.7247	10701.46
46.30173	7212.616	382.4805	11306.67
56.0722	8101.906	418.5952	12395.21
53.72191	7607.903	399.5484	11947.19
43.90364	7347.701	386.4591	11291.67
46.02254	7536.794	395.1315	11556.56
52.74771	7898.607	409.9249	12096.65
56.65573	8218.301	424.3163	12547.81
59.5647	8229.073	424.583	12660.03
59.16527	8238.858	424.8845	12647.54
65.33979	8364.101	430.144	13018.63
67.95078	8801.381	448.9915	13476.33
66.31331	8800.657	449.1137	13405.44
64.3616	8482.401	435.3764	13069.65
46.25595	7533.219	394.7734	11554.82
43.86089	7344.696	386.3277	11287.36
40.52308	7127.425	377.0245	10972.5
38.32991	7069.187	375.6479	10875.4
51.42248	8081.758	420.417	12308.53

53.16285	7998.373	414.9108	12226.75
51.70561	7692.729	401.7084	11895.04
50.00839	7576.903	396.7684	11729.83
57.59815	8131.918	420.287	12494.32
64.01268	8458.585	434.377	13035.99
48.33681	7462.826	391.9031	11567.13
42.39014	7314.305	385.7942	11232.12
44.14011	7213.541	380.8046	11178.47
46.55203	7415.238	389.0528	11435.19
45.75191	7577.373	397.5107	11604.79
44.11535	7211.852	380.732	11176.05
53.62486	7934.924	411.3021	12153.79
64.8695	8257.958	425.6593	12916.54
50.00591	7131.653	381.7355	11460.79
45.27745	7031.358	376.142	11147.28
47.97918	7076.671	379.1139	11209.53
40.1859	7223.363	382.5977	11092.48
38.31137	7019.345	372.8825	10810.65
43.09328	7327.954	385.9946	11257.31
43.77213	7490.032	394.2831	11471.46
48.73622	7880.638	411.6018	12023.08
49.39855	7777.485	405.6619	11901.46
50.45278	7830.287	407.7668	11981.11
51.71236	7919.445	411.6665	12109.05
54.15625	8068.182	417.9633	12327.07
61.21867	8508.765	436.7982	12971.59
63.68866	8436.469	433.4489	13004.74
62.47474	8057.392	417.6472	12664.99
61.02094	8467.315	434.7711	12917.61
48.68791	8005.765	418.2986	12180.03
51.42245	7967.486	414.3869	12165.45
33.77776	6917.081	371.9413	10652.76
28.35403	6365.701	345.3864	9872.331
31.74958	6557.628	352.86	10149.69
31.08435	6646.312	358.8145	10264.25
27.85201	6317.043	343.0681	9803.885
33.19561	6927.097	373.6211	10675.73
36.87839	7100.826	378.7692	10903.7
45.20422	7380.062	387.2703	11348.1
45.5369	7197.521	381.4562	11253.68
39.37541	7335.584	389.6934	11234.61
31.47331	6537.509	351.9791	10120.98
38.58465	7022.811	372.8394	10817.8
43.52127	7471.378	393.4657	11444.95
53.8289	7948.846	411.9101	12173.91
56.13463	7550.276	397.8725	12025.32
36.09855	6754.131	359.9242	10444.54
34.63288	6667.659	356.339	10317.87
44.45355	7012.224	374.982	11089.22
28.5808	6460.55	350.9697	10006.26
24.02855	6021.919	329.9506	9385.032
30.66618	6490.981	350.1298	10053.56

34.92968	6101.872	342.0399	10072.07
35.63711	6298.84	347.5815	10201.81
40.20298	6796.315	365.1527	10720.99
50.3213	7449.903	392.6414	11670.14
58.41072	7965.08	413.9914	12417.4
48.81773	7736.076	403.8503	11842.12
41.66196	7368.859	389.3664	11294.26
35.97685	6760.731	360.4063	10452.03
36.23556	7020.204	374.848	10793.33
38.01874	7300.276	389.3797	11188.49
37.99269	7012.294	372.7681	10798.47
37.16223	7014.097	373.6206	10793.21
35.36317	6835.446	365.2165	10544.42
34.28021	6784.222	363.3546	10468.39
31.99751	6485.156	348.3633	10054.82
34.86066	6357.317	348.1706	10176.35
30.78859	5902.664	332.9558	9648.518
24.83395	5784.441	322.156	9256.508
33.57568	6455.452	348.9394	10130.29
36.31429	6844.649	364.8495	10564.76
34.15835	6662.869	356.5138	10307.51
31.07811	6247.821	340.8557	9873.027
45.73003	6988.035	375.0901	11149.08
36.93615	7262.398	388.6456	11140.04
30.46696	6573.579	355.2485	10163.44
40.71463	6524.858	358.0504	10586.58
46.20825	7428.889	389.2006	11422.17
39.87277	7301.81	387.2057	11190.48
41.55679	6925.859	370.0558	10869.72
45.36591	6842.546	370.378	11013
39.30388	7041.126	373.2498	10848.66
38.30049	7018.558	372.848	10809.53
33.35315	6728.912	361.1207	10388.45
43.06122	7177.042	378.7309	11092.36
38.86137	7009.803	371.8798	10803.72
28.45318	6513.584	355.1627	10101.25
43.14894	7592.719	400.365	11595.74
37.45454	7067.422	376.3437	10865.13
32.8624	6814.039	366.7982	10504.53
35.09617	6961.019	372.6312	10707.01
33.24972	6761.885	363.1344	10431.36
24.5032	6224.963	344.3655	9729.997
24.31161	5979.917	326.8338	9325.829
19.86206	5797.591	324.3642	9122.482
20.32808	5845.357	327.0851	9199.859
20.98764	5894.156	328.6018	9255.486
24.73364	6208.041	342.0647	9683.158
26.16259	6268.88	342.5552	9737.285
28.93101	5952.5	331.5976	9612.075
28.91128	6362.281	344.493	9870.168
30.37573	6614.912	358.0568	10225.78
32.68642	6246.058	342.9452	9984.303

27.76098	6224.076	337.513	9676.197
26.59554	6182.277	336.4248	9614.094
28.22524	6473.723	352.7914	10038.71
26.48404	6321.111	345.7817	9822.513
33.74538	6944.124	373.7482	10694.65
37.26818	7053.279	375.7235	10845.11
40.9088	7312.086	386.8774	11213.78
25.10469	6231.779	342.7949	9711.386
26.3132	6241.951	340.5123	9695.983
33.29474	6819.706	366.4271	10508.2
43.74121	7563.456	398.2935	11564.65
49.36395	7971.242	415.9782	12144.61
57.49651	8225.043	424.1865	12567.88
52.41887	7667.25	401.1684	11917.57
49.29738	7748.503	404.1897	11863.75
39.89546	6775.324	364.279	10691.46
31.58573	6622.031	356.8123	10234.62
31.24845	6774.443	367.2322	10467.95
31.71627	6365.738	344.3564	9963.737
25.15053	6196.491	339.6886	9640.048
14.8251	5304.264	297.1066	8355.065
18.08563	5510.082	305.3952	8648.01
22.24314	6040.059	337.1889	9493.546
31.41439	6905.158	375.7628	10674.44
44.89672	7476.05	392.6745	11466.34
41.11623	7274.952	384.6622	11168.22
47.60736	7858.838	411.2498	11982.27
60.74127	8613.772	442.4644	13094.31
49.75325	8194.527	427.7068	12434.6
48.48512	7776.423	406.2263	11888.82
38.25109	7670.79	410.4574	11701.42
31.29638	6919.858	377.0291	10700.9
36.0488	6261.902	347.0799	10126.18
38.66922	7224.967	384.0267	11080.2
38.92984	7471.592	398.4442	11430.18
45.23275	8046.838	423.9942	12218.63
57.46044	8378.191	432.1547	12757.22
47.83724	8013.187	419.4393	12183.16
40.09041	7392.84	392.2068	11314.76
52.66433	8104.27	420.7878	12352.46
53.58089	8291.271	430.0122	12597.65
37.97314	7516.023	402.5598	11500.62
40.03041	7408.01	393.1815	11336.27
49.07458	7550.27	395.2811	11660.93
49.30696	7923.37	413.4747	12083.73
40.51171	7299.434	386.518	11193.58
41.77468	7431.136	392.6855	11375.19
45.694	7208.244	381.9062	11268.83
55.93601	7944.373	412.632	12281.84
55.2165	7598.755	399.5731	12014.76
49.70398	7111.03	380.9406	11432.98
45.21223	7498.705	393.6659	11498.76

51.6974	8148.331	423.744	12395.3
54.41254	8378.767	434.0553	12717.36
58.98669	8728.241	449.3842	13211.46
44.97813	8216.477	433.9041	12448.06
47.26484	8277.909	434.749	12533.05
52.17157	8277.263	430.2155	12562.46
59.05017	8626.092	444.0651	13085.98
62.09333	8880.682	455.4345	13442.44
52.85954	8719.826	453.5236	13139.68
53.18785	8748.796	454.7947	13179.33
56.11058	8609.494	445.0048	13026.23
57.72273	8214.522	423.5137	12558.02
64.53368	8457.129	434.2811	13057.53
47.02012	8178.875	429.4797	12400.19
42.80887	7877.44	417.1786	11987.19
38.51398	7566.396	404.7696	11568.75
46.27446	8063.544	423.8029	12243.5
51.16702	8541.412	445.3879	12897.4
56.23598	9017.763	466.5965	13547.44
54.48131	8704.079	451.299	13131.74
52.20737	8950.068	466.4047	13431.24
54.73402	8949.183	464.2007	13448.01
59.27649	8723.517	448.9672	13209.55
60.80721	8784.39	451.2139	13305.77
53.21966	7833.129	407.4416	12066.22
60.28259	7907.68	411.7738	12461.16
57.54488	7646.603	401.5857	12155.23
56.9996	8242.29	425.365	12582.34
54.57921	8024.506	415.4253	12278.39
58.3024	8031.782	416.5768	12459.12
58.86239	8505.512	437.9388	12934.24
58.4285	8606.297	443.408	13053.01
60.34475	9270.652	476.7754	13906.11
61.39933	9248.874	474.9036	13890.46
60.97895	9250.913	475.2983	13888.27
60.65958	9224.035	474.1187	13851.08
50.61532	7729.583	402.3336	11856.91
45.07831	7645.999	401.7156	11684.18
49.27059	8155.483	425.9929	12380.08
61.37865	8743.357	448.7782	13263.15
69.04155	9337.187	475.0062	14102.89
68.99785	9461.283	481.3199	14253.95
63.80214	9330.994	477.5937	14021.62
53.18339	8564.136	444.8505	12940.99
53.21252	8382.156	435.0239	12706.39
54.76831	8381.385	433.9639	12725.22
66.73546	8533.41	437.2585	13209.6
68.63423	9022.303	459.2406	13711.79
66.88814	8312.54	427.4196	12986.1
64.46742	8304.535	427.7461	12936.37
64.99822	8740.717	446.7157	13312.28
69.75589	8850.588	450.8275	13590.03

71.10777	8794.923	447.7385	13594.08
69.20214	8664.816	442.4565	13413.57
57.68717	8733.17	450.4346	13200.23
55.1936	8634.617	447.0252	13049.16
61.01562	8855.502	454.755	13396.39
67.34621	9242.977	471.0969	13962.67
69.84285	8745.551	445.9434	13505.3
70.85521	8962.608	455.7107	13727.56
71.63868	9263.545	470.0083	14052.14
72.25098	9507.214	482.0109	14358.53
73.44772	9662.576	489.2611	14565.94
63.1468	9239.138	473.257	13899.32
59.2202	8924.706	459.4538	13459.16
65.59113	8455.286	434.0602	13100.7
74.86238	9453.612	478.0895	14333.46
69.41975	9741.46	495.3082	14602.5
55.37037	8876.389	459.7801	13359.84
60.63366	8854.073	454.9035	13389.37
60.72339	8502.07	436.721	12956.22
57.74663	8711.751	449.2867	13174.47
58.23739	8565.654	441.4167	13000.09
63.1646	8989.739	460.4284	13591.77
71.13925	9656.721	490.1099	14524.18
69.21056	9445.486	480.409	14237.77
58.91272	8775.949	451.8959	13269.48
60.01092	8561.329	440.1693	13019.27
61.85075	8806.159	451.7425	13347.21
62.62222	9158.715	469.4219	13792.7
59.96452	9093.047	467.759	13679.13
62.93944	9299.882	476.5326	13972.25
67.83345	9529.095	485.3784	14320.01
68.6767	9341.911	475.4322	14103.28
69.15905	9058.648	460.8289	13764.18
71.29129	8613.281	439.0896	13389.77
71.75696	9670.675	490.5021	14550.37
74.73056	10000.62	505.6385	14996.65
75.56243	9783.56	494.3365	14745.42
68.89362	9516.928	484.1956	14320.46
65.55868	9260.428	472.9422	13958.26
72.41227	9686.833	490.9901	14579.86
75.10705	9575.409	484.0964	14485.36
73.05874	9667.755	489.7106	14566.35
74.12766	9296.861	470.5903	14143.39
70.0921	9511.938	483.3224	14331.96
63.47615	9265.511	474.4147	13936.24
69.3181	8746.72	446.1757	13486.18
72.56846	9227.446	467.754	14022.48
74.34325	9200.667	465.7823	14065.56
74.07787	9571.41	484.3733	14464.6
74.63056	9576.388	484.3656	14479.18
69.65678	9318.287	473.7386	14088.95
67.12048	9380.55	478.2123	14127.88

71.40891	9611.2	487.6742	14472.66
77.6497	10009.13	504.6698	15051.51
77.49529	9635.945	486.0578	14596.27
74.6927	9441.861	477.576	14316.53
76.75589	9799.499	494.5824	14783.22
78.05591	10075.8	507.8173	15138.65
77.84068	10168.72	512.5677	15248.07
76.42465	9953.664	502.4641	14965.31
73.49427	8809.971	447.1714	13689.63
72.14045	9198.243	466.4785	13980.26
71.99518	9321.777	472.7788	14128.61
71.89999	9481.653	480.8917	14322.06
71.16816	9395.416	476.8939	14205.83
73.91137	9387.753	475.2114	14238.54
74.64679	9473.398	479.1818	14354.17
73.66853	9576.233	484.8091	14464.2
75.31721	9765.576	493.5489	14719.79
75.77699	10081.64	509.1939	15110.92
74.80295	10041.02	507.6329	15046.87
77.87202	10098.39	509.0335	15163.23
75.72347	9830.636	496.6236	14805.1
77.02652	9531.62	481.039	14462.25
76.41809	9810.691	495.299	14791.57
77.29631	9694.303	489.0681	14663.96
77.06988	9822.205	495.5764	14815.67
76.70814	9581.433	483.6755	14517.7
76.52191	9818.252	495.6301	14802.36
78.41601	9956.193	501.67	14999.2
76.40933	9845.669	497.0568	14833.92
70.05724	9638.797	489.7605	14486.37
74.38336	9731.671	492.2881	14664.27
77.71402	9651.092	486.7197	14618.11
66.53592	9213.298	470.0133	13914.52
63.55996	9048.595	463.2225	13669.74
69.50891	8574.784	438.1969	13349.95
73.96658	8953.138	453.8562	13832.05
72.18856	9368.827	475.0608	14188.92
69.84425	8634.675	440.8142	13412.32
67.29611	8719.7	445.4339	13382.67
68.64554	9023.087	459.2749	13712.92
69.64034	9284.931	472.0575	14047.95
68.74998	9347.36	475.6709	14111.02
68.59982	9272.939	471.9726	14017.79
69.47688	9593.863	487.7887	14423
70.99317	9776.959	496.2605	14668.73
72.70706	9675.33	490.2645	14570.27
73.81276	9620.953	486.9911	14520.83
75.62301	9611.93	485.6938	14537.77
75.20697	9932.501	501.9838	14921.02
75.916	10057.04	507.892	15083.13
73.9063	9662.104	489.017	14572.34
72.66827	9436.488	478.2449	14278.71

74.49746	9137.257	462.5902	14014.37
73.60745	9113.476	461.8596	13961.58
68.58062	9303.149	473.515	14054.45
64.9484	9213.49	470.8829	13891.98
66.70968	9318.293	475.2655	14045.7
66.90112	8963.803	457.1258	13614.16
58.86136	8798.626	453.0999	13296.85
64.46299	9146.641	467.7364	13803.01
67.41393	9154.947	466.5865	13855.88
72.01454	9323.138	472.8383	14130.56
70.40963	9373.114	476.1392	14167.18
66.41907	8929.928	455.6445	13565.48
72.54814	9360.635	474.4779	14184.45
69.86118	9236.358	469.489	13991.93
67.90081	9034.053	460.1976	13715.12
68.96044	9203.952	468.2923	13938.81
72.0983	9462.681	479.8384	14301.94
73.65489	9746.293	493.3749	14670.99
71.85824	9711.654	492.5193	14601.84
63.55188	9047.982	463.1957	13668.87
69.51154	8685.94	443.3141	13442.88
62.02944	9045.528	463.9373	13644.63
51.32435	8263.232	430.1093	12536.03
53.35041	8059.231	417.9886	12305.18
58.16082	8507.369	438.4426	12926.87
63.70829	8326.745	428.7978	12921.53
64.09248	8352.973	429.8715	12958.09
65.21653	8688.81	444.2412	13268.23
55.54437	7695.269	403.2196	12095.01
51.93588	8143.312	423.3197	12392
50.69856	7915.137	412.0954	12090.65
47.77083	7913.305	414.0402	12052.88
47.31669	7753.602	405.8327	11846.03
54.52301	8289.457	429.3138	12607.57
61.84843	8862.347	454.6308	13416.41
59.94287	8393.208	431.5334	12810.64
60.97604	8713.831	447.4851	13221.07
46.81085	7982.014	418.6858	12136.33
43.41058	7681.445	405.1843	11718.11
43.70713	7541.939	397.1523	11536.87
51.53731	8182.007	425.6285	12435.46
57.1362	8457.998	436.49	12851.76
61.6832	8625.218	442.5362	13121.84
67.81072	8902.825	453.5759	13553.15
60.12623	8304.434	427.7037	12741.5
48.5397	7908.689	413.2351	12056.05
50.16854	8032.303	418.6559	12231.05
52.79713	8114.009	421.2144	12366.34
44.15739	7695.17	405.1708	11738.85
48.53019	7758.329	405.2312	11866.59
49.81445	7696.973	401.1157	11805.58
38.2703	7339.781	391.4228	11244.27

39.79035	7210.864	382.245	11072.48
54.20549	7863.334	408.9845	12138.38
42.22098	7519.924	397.169	11493.33
40.53051	7041.497	372.2809	10862.09
41.99479	7339.832	387.5046	11260.54
44.93168	8164.124	430.9904	12377.16
37.84398	7231.141	385.4176	11089.28
40.9321	7296.346	385.9918	11193.8
50.21463	7331.355	388.5699	11592.47
45.72156	7654.931	401.7089	11702.74
38.93463	7212.699	383.102	11066.74
47.44663	8086.021	423.866	12278.02
55.11846	8725.41	451.9288	13164.61
55.69135	8251.161	426.5955	12575.45
47.07791	8055.291	422.5173	12235.41
33.06467	7015.994	379.6936	10815.74
34.43354	7093.915	382.1818	10914.46
38.67048	7411.189	395.1751	11344.97
45.33926	8177.777	431.2808	12395.67
48.44396	7901.423	412.9165	12045.77
38.44367	7012.687	372.3964	10803.31
34.74889	6704.369	358.3284	10367.15
35.79775	6807.822	363.2383	10511.99
32.44385	6713.476	361.1995	10361.81
31.41845	6571.425	354.0299	10165.97
33.79641	6845.208	367.3578	10545.28
32.80943	6781.636	364.7557	10454.64
36.75637	7091.253	378.3489	10890.24
49.15102	7295.826	386.8788	11514.21
41.76801	7341.007	387.7529	11259.67
32.81718	6838.592	368.4961	10543.42
41.78855	7234.934	381.9248	11124.02
41.59703	6928.605	370.1711	10873.61
35.22027	7018.9	376.1009	10792.9
36.86923	7187.079	384.1021	11030.16
43.56251	7968.03	421.4618	12110.81
44.98289	8048.807	424.3889	12220.98
32.8817	7307.485	395.0508	11191.29
29.1191	6770.285	370.6451	10491.01
31.47758	6911.043	376.021	10682.4
40.33505	7655.111	407.4241	11684.15
46.95395	7891.203	413.4694	12015.68
51.23275	8255.971	429.7905	12525.84
55.58238	8518.103	440.5807	12905.83
46.98162	7522.827	393.7112	11550.49
34.3699	6819.18	365.2677	10515.11
35.27335	6916.494	369.916	10649.95
42.0744	7681.572	406.7318	11717.19
32.59	6833.931	368.6016	10539.34
33.05513	6720.072	360.9226	10374.63
38.74885	6845.641	364.9881	10651.34
28.63188	6485.94	352.7059	10048.65

34.72865	6917.861	370.5468	10647.62
36.54633	7246.086	388.2393	11119.19
17.37655	5599.192	318.7864	8914.747
15.56008	5428.52	308.4811	8621.162
20.20038	5803.884	322.766	9096.195
31.14118	6029.02	336.1434	9794.028
35.76479	6344.72	348.8522	10229.99
14.46852	5333.093	304.6069	8497.308
14.82866	5362.807	302.1159	8455.872
24.36102	6037.609	330.4558	9407.407
34.45507	6180.957	343.4674	10075.24
40.52605	6669.819	361.9393	10678.93
37.05091	6881.652	366.2746	10619.82
27.07612	6341.287	345.7339	9838.897
29.57162	6457.484	349.4103	10002.43
29.45051	6586.179	358.038	10198.31
27.52071	6386.29	348.0205	9905.738
15.00975	5378.099	309.1974	8620.949
15.53151	5426.023	308.6847	8624.758
24.86504	6249.591	345.1345	9758.921
30.97793	6650.55	359.3109	10272.9
17.31033	5585.823	316.6354	8863.653
19.42558	5734.896	319.1127	8987.926
20.12405	5816.341	324.8746	9142.463
13.65936	5254.443	296.4935	8295.745
10.34667	4985.508	288.4128	7995.596
15.79628	5448.201	308.0922	8620.37
26.80462	6411.56	351.93	9976.385
29.54583	6315.373	340.9435	9810.1
29.46464	6426.141	347.6636	9959.497
21.65966	6006.586	336.9692	9470.294
21.51342	5919.822	328.4795	9268.885
31.26175	6814.037	369.9012	10531.42
35.71668	7108.418	380.9591	10922.46
34.26594	6576.896	352.7245	10228.58
34.53819	6632.641	354.4238	10270.98
31.03753	6493.33	349.8564	10059.03
29.55314	6374.3	344.4588	9889.839
33.1302	6752.754	362.7339	10418.45
41.34228	7619.36	404.0016	11631.32
45.6767	7889.343	414.618	12007.23
33.81544	6935.062	373.0405	10679.9
30.36427	6734.843	366.4264	10423.04
22.96827	6106.412	340.0998	9583.63
20.52318	5886.726	330.7744	9291.195
33.58663	6842.603	367.4324	10540.41
42.18668	7499.097	396.0592	11466.34
18.77757	5733.45	324.9884	9102.253
19.6833	5792.354	325.0718	9133.146
18.4166	5692.243	322.2426	9027.663
26.73999	6351.151	347.4114	9868.36
32.65314	6742.84	362.6763	10402.15

37.1218	6808.921	362.123	10525.84
25.61207	6356.539	351.3847	9927.811
39.98152	7276.208	385.6941	11158.53
51.95929	7936.924	412.431	12134.14
18.72193	5728.177	324.7571	9095.147
22.62034	6028.464	334.1838	9435.272
30.18166	6539.484	353.566	10116.12
33.29681	6751.886	362.5068	10418.45
39.80519	7195.054	381.3572	11052.25
50.62157	7909.569	411.8516	12082.69
53.29602	8245.841	427.8147	12537.33
55.96599	7983.479	414.1086	12309.74
51.80756	7551.363	396.8298	11812.22
48.44013	7709.155	402.6725	11803.55
52.2815	7546.638	396.8606	11834.14
51.54562	7422.235	392.2284	11717.97
39.69469	7153.109	379.1293	10997.08
37.23149	7287.736	389.7575	11174.94
36.56029	7230.153	387.2305	11095.62
36.21216	7284.577	391.1672	11179.1
46.23285	8185.162	430.6798	12406.63
48.34919	8080.947	422.721	12275.99
39.69861	7459.986	396.6983	11410.57
32.10851	6942.79	376.7924	10719.15
35.31773	6919.885	370.0648	10654.75
39.97087	6669.051	361.4333	10644.61
34.24486	6970.5	374.5959	10729.15
30.60386	6792.826	369.9026	10512.16
33.03858	6842.414	368.3538	10546.45
35.79352	7065.272	378.1365	10857.66
34.17551	6949.581	373.3679	10698.04
34.78897	7078.19	380.5618	10886.32
34.64428	7143.668	384.9849	10987.04
43.46152	8259.152	436.8887	12483.82
32.01156	7055.51	383.2552	10874.4
36.02233	7534.288	404.8067	11507.61
38.7768	7363.456	392.1527	11276.1
34.39444	7198.087	388.923	11073.18
30.11285	6641.38	360.4608	10274.85
29.12571	6548.036	356.0531	10142
29.23736	6743.799	369.3667	10460.87
33.94908	7126.221	385.15	10970.76
34.10518	7064.941	380.9105	10874.81
36.75634	6845.438	364.4969	10569.88
37.18468	7248.417	387.413	11117.87
38.24814	7393.476	394.7071	11321.76
40.25038	7546.73	401.1231	11531.66
46.5311	8237.247	433.2731	12477.03
41.23195	7735.718	410.9607	11794.02
49.72892	8610.928	450.5905	12981.45
57.75508	8347.171	430.3747	12722.84
55.94366	8827.148	456.7002	13302

57.84698	8353.676	430.6592	12732.18
50.30517	8859.443	463.0089	13299.14
51.50305	8834.844	461.0282	13281.29
60.16459	9109.558	468.4837	13702.08
61.93228	8642.849	443.3073	13147.14
41.20091	7753.859	412.0656	11819.47
39.4096	7552.471	402.6116	11543.09
50.27486	8463.417	441.9654	12790.43
56.26591	8216.434	424.4459	12540.13
49.23798	8400.259	439.5016	12702.32
60.17493	9001.158	462.8099	13566.18
61.64378	8959.323	459.7318	13533.08
47.55773	7446.759	390.831	11512.62
53.83072	8069.39	418.2249	12324.23
42.37702	8041.756	426.6604	12204.16
45.86593	8003.758	420.8712	12161.93
56.55078	8440.239	435.9211	12821.86
59.17775	9134.929	470.5137	13723.38
49.96319	8632.747	451.5476	13010.96
48.59707	7955.864	415.707	12116.14
37.83685	7569.78	405.6957	11572.92
48.64778	8159.119	426.7669	12381.13
62.16258	8914.206	457.1169	13484.7
52.971	8576.974	445.7206	12955.89
44.48304	8051.511	425.1244	12224.37
46.45273	8028.403	421.645	12196.96
57.74828	8503.2	438.4702	12916.08
62.31023	9067.411	464.8978	13675.45
63.15834	9512.033	487.3682	14238.58
56.59669	8239.679	425.4623	12573.53
52.43423	8134.137	422.5077	12386.83
45.09245	7793.391	409.7905	11875.48
45.78848	8219.249	433.1001	12451.87
50.84306	8628.294	450.4293	13008.98
55.2411	8218.831	425.1806	12529.19
58.88993	8374.164	431.1297	12772.13
44.93464	8068.488	425.5608	12247.6
45.30239	7955.871	418.7697	12095.83
55.20465	8315.357	430.2411	12648.77
61.61347	8146.699	421.4222	12694.73
65.01639	8527.094	437.252	13132.82
57.89827	8435.791	434.8868	12834.61
53.38784	8300.478	430.6213	12606.68
61.36454	8965.777	460.2262	13537.2
62.92405	8713.05	446.3779	13247.88
55.38071	8584.744	444.224	12987.22
54.55875	8551.429	443.0674	12936.62
51.5533	7839.423	407.5469	12006.82
48.62005	7222.477	384.187	11442.12
50.97879	7680.213	400.8675	11847.12
53.04544	8430.246	437.7476	12766.98
57.7518	9254.838	477.9175	13861.28

58.56435	8977.496	462.6872	13518.53
61.44447	9252.636	475.0687	13895.67
64.50993	9308.338	475.9905	14002.67
66.79881	9355.81	477.1269	14092.95
66.14697	9244.926	471.8321	13947.67
66.14799	8604.331	440.4932	13241.98
67.31837	8795.226	448.8035	13444.71
68.74076	9314.975	474.0331	14071.28
69.54526	9181.725	466.8771	13920.43
63.01325	8690.59	445.1791	13221.53
66.89565	8729.373	445.9205	13373.62
71.37533	9245.174	469.2052	14025.7
72.37305	9415.441	477.324	14248.55
70.89433	9572.41	485.9736	14417.67
71.52943	9355.295	474.6926	14162.36
66.05253	9389.391	479.2449	14123.46
68.70747	9375.881	477.1394	14145.27
74.55469	9813.661	496.3277	14766.61
72.72792	9609.419	486.9324	14490.29
65.63152	9519.851	486.188	14278.7
68.19007	9274.308	472.2515	14013.41
74.20088	9683.707	489.9632	14603.13
75.3629	9874.172	498.9799	14852.49
77.63691	9899.454	499.1856	14918.23
77.32922	10057.48	507.2396	15105.23
72.83336	9549.627	483.868	14419.06
70.02275	9247.877	469.993	14008.44
74.43343	9562.335	483.7508	14459.04
72.93353	9286.195	470.547	14099.71
73.46127	9527.135	482.4357	14401.25
75.20024	10036.99	507.2344	15047.94
66.90171	9539.822	486.4566	14320.23
70.55425	9579.4	486.4995	14421.16
74.84476	9974.646	504.2772	14966.79
65.06801	9433.395	482.0887	14164.61
59.36245	9043.36	465.5781	13610.07
60.91794	9245.777	475.0729	13881.16
63.70997	9362.842	479.2962	14059.96
67.46093	9344.645	476.205	14088.84
68.74764	9030.157	459.5839	13723.11
69.43032	8976.338	456.7009	13682.06
71.04228	9049.345	459.7284	13808.81
72.507	9223.253	467.5709	14016.42
71.92985	9317.186	472.578	14122.01
74.05474	8996.127	455.9069	13873.24
74.50153	9567.189	483.9632	14466
74.69189	9754.455	493.2862	14696.69
78.07918	10004.6	504.2448	15052.66
77.88179	9771.815	492.687	14767.21
73.23657	9680.978	490.29	14585.14
74.77362	9621.368	486.5596	14536.09
76.40624	9774.213	493.4756	14747.09

74.82923	10077.88	509.4719	15092.09
64.921	9461.795	483.6397	14197.82
68.77724	8931.775	454.7698	13617.92
71.06005	9256.063	469.9053	14034.17
70.73842	9462.499	480.4959	14281.22
73.22932	9748.423	493.6903	14667.16
76.75423	9942.548	501.752	14956.88
76.56449	9678.572	488.6087	14633.4
71.97028	9486.772	481.1158	14329.37
68.04954	9295.276	473.3886	14037
68.31978	8937.558	455.0929	13603.37
73.3889	9283.425	470.1989	14103.42
76.47423	9493.937	479.3932	14407.77
76.88652	9737.226	491.4024	14709.65
77.20444	9759.892	492.3941	14742.13
72.70696	9607.872	486.8646	14488.09
63.10822	9158.424	469.1047	13798.52
64.9167	9181.305	469.2568	13852.02
66.8388	9205.246	469.4435	13909.05
68.95785	9331.006	474.7354	14094.1
72.89334	9138.686	463.3774	13957.43
75.39221	9525.4	481.4551	14429.01
77.12471	9934.115	501.1569	14952.35
70.7081	9026.541	458.7481	13776.14
72.29695	9097.985	461.6415	13899.38
75.72781	9295.163	469.7802	14199.73
74.44627	9563.25	483.7908	14460.35
75.54967	9606.739	485.4668	14530.32
75.10612	9141.839	462.4867	14039.49
70.37524	8855.874	450.8781	13618.51
69.81793	9201.025	467.7213	13948.12
70.36778	9370.067	476.0058	14162.84
72.9956	9493.697	480.9724	14353.4
73.14714	9640.378	488.2886	14534.35
61.50136	9069.874	465.5217	13668.02
60.44046	9059.056	465.6566	13641.87
64.77595	8473.666	434.9694	13080.79
63.80263	8891.948	455.0708	13480.6
60.94456	8905.544	457.3723	13457.14
62.29986	8489.791	435.6171	12981.78
63.98524	8934.517	457.1506	13535.55
68.33951	9253.849	471.1365	13990.59
65.9566	9139.647	466.569	13815.83
65.52895	8867.376	452.9094	13475.59
65.921	9015.963	460.2835	13663.62
65.39438	9187.811	469.3275	13866.82
68.47711	8948.293	455.5618	13618.89
71.16458	8872.77	451.3792	13662.69
70.64867	9129.132	463.6851	13872.98
70.40207	9112.181	462.9445	13848.51
70.84143	9207.928	467.577	13972.1
70.11962	9125.169	463.736	13860.06

68.18773	9022.8	459.4843	13705.66
68.13266	8924.791	454.5353	13584.91
68.06828	9014.466	459.12	13693.67
67.37364	8873.003	452.2734	13510.04
70.67642	8950.406	455.1945	13710.23
61.33906	8824.21	452.9593	13362.29
62.3266	8954.993	459.1179	13537.23
64.81429	9173.482	468.9137	13840.96
68.69249	9343.085	475.4836	14104.94
69.69787	9450.032	480.3895	14250.51
69.42208	9429.384	479.4845	14221.21
71.3845	9146.664	464.2258	13905.69
66.2567	8463.716	434.2923	13134.56
65.49725	8559.915	438.6293	13179.21
59.19188	8422.051	433.4368	12835.62
53.89013	8242.396	427.2516	12540.69
59.29082	8724.605	449.0149	13211.09
61.81798	8662.922	444.4006	13170.24
63.58877	8934.509	457.3654	13529.86
51.48158	8392.982	437.0317	12706.16
50.03599	8161.115	425.6262	12392.73
53.46592	8330.341	432.1364	12644.92
58.62524	8621.027	444.0536	13073.91
62.86613	8995.939	460.9135	13595.2
57.19335	8830.368	455.9237	13318.17
51.38856	8124.892	422.7161	12362.12
57.00102	8422.312	434.7173	12805.67
65.84293	9100.975	464.658	13766.75
51.97766	8146.462	423.4578	12396.47
45.39882	7709.878	404.9148	11768.79
48.90825	7871.948	411.0186	12014.22
58.93014	8750.609	450.5749	13238.37
65.91436	8924.716	455.6359	13551.62
50.88345	8574.289	447.445	12938.68
47.04793	8027.089	420.9719	12197.63
45.87171	7726.23	405.4333	11794.79
48.45972	7667.87	400.459	11751.79
51.42236	7876.064	409.5626	12050.98
48.52968	7865.175	410.924	12001.14
45.06709	7468.675	392.1513	11458.95
48.95414	7724.208	403.127	11828.89
47.27788	7584.818	396.8275	11632.44
53.72473	8484.642	440.1355	12843.13
45.2769	7739.931	406.6302	11805.58
57.26325	8286.52	427.5105	12640.85
42.90755	7774.693	411.127	11845.65
39.99512	7365.263	390.6875	11275.88
46.36028	8096.048	425.5373	12287.36
53.61012	8365.403	433.8798	12690.48
59.23975	8243.941	425.103	12654.83
41.11536	7310.067	386.5932	11213.28
47.66147	7119.924	380.3543	11330.35

60.39917	7897.106	411.3421	12364.27
65.99311	8408.71	431.9397	13080.23
56.43135	8304.297	428.9209	12651.48
51.03779	7647.154	399.7646	11830.03
51.25549	7909.875	411.4541	12091.16
51.64883	7800.1	405.4135	11958.86
55.35809	7979.056	413.7152	12275.3
57.1698	8202.585	423.2053	12535.46
53.83741	8286.651	429.6039	12595.18
56.01777	8224.198	424.996	12546.37
59.096	8197.086	423.2188	12614.41
51.12435	8150.244	424.235	12390.61
39.99442	7724.225	412.0025	11783.44
39.93878	7559.798	402.3146	11551.15
44.29269	7682.44	404.304	11721.97
44.78904	7448.852	391.284	11430.55
46.14028	7686.281	403.0829	11747.23
37.37688	7175.547	382.6679	11010.59
34.82424	7191.292	387.6944	11056.53
39.50204	7890.784	420.6822	11985.7
46.08229	8271.289	435.6914	12522.1
45.44392	7943.504	417.9189	12079.51
47.70354	7456.71	391.2588	11526.88
45.29432	7785.284	409.1269	11865.31
44.52496	7623.336	400.9201	11649.31
51.42185	8388.052	436.8153	12699.31
34.91166	7151.901	385.0361	10996
31.32549	6652.638	358.9052	10274.03
29.20427	6521.105	353.9388	10094.46
34.553	6522.149	351.784	10225.43
34.54371	6718.416	359.3267	10383.88
36.44202	6899.364	367.8233	10637.33
55.12082	8210.194	424.8027	12516.83
39.91391	7358.827	390.4049	11266.85
32.89351	6721.28	361.1646	10375.12
31.39828	6670.938	359.8957	10298.9
36.92349	6498.146	353.936	10372.65
47.18769	7273.092	384.9977	11391.75
41.55194	7129.001	376.3018	10985.68
41.72746	6937.508	370.5447	10886.19
38.47929	7145.191	379.7541	10975.23
33.93034	7079.504	382.1697	10899.58
40.36045	7475.197	396.7481	11430.59
42.70925	7757.68	410.3804	11822.21
30.02553	6752.186	368.4305	10460.37
26.93209	6469.121	356.0122	10076.07
28.99958	6570.54	357.9732	10183.54
29.55056	6479.262	350.7378	10031.78
28.24851	6302.657	341.6958	9785.868
33.22475	6245.633	343.5983	10020.67
36.60274	6290.464	348.3292	10259.31
33.63387	6639.782	355.6955	10272.74

35.23707	6709.5	358.1675	10378.18
33.72325	6770.435	363.1306	10446.02
24.04425	6163.312	340.7252	9631.046
20.76281	5840.886	323.7658	9136.666
24.70259	6118.074	335.0774	9521.062
40.16254	6533.58	357.8668	10590.31
53.74231	7831.724	407.6364	12093.29
42.00982	7232.663	381.6274	11123.52
36.52901	6248.272	347.1913	10235.92
34.87588	6321.191	347.311	10161.99
37.19604	6368.137	350.8746	10331.3
36.94912	6351.275	350.2073	10308.23
37.3545	6997.154	372.4923	10772.89
28.53002	6345.482	343.9433	9845.527
35.54245	6403.863	350.0761	10241.23
46.00044	7474.964	391.8219	11477.99
32.68764	6800.044	366.1838	10484.94
36.84545	6418.507	351.8225	10331.89
46.87642	7577.139	396.6944	11617.84
36.16195	7179.161	384.6831	11023.67
41.48241	7461.987	394.6254	11411.82
48.43537	7836.785	409.4778	11964.25
30.84471	6789.714	369.1446	10501.33
27.47363	6528.399	358.9241	10160.69
9.154531	4761.785	280.8489	7787.567
8.183867	4721.61	280.4252	7738.335
16.56265	5511.253	310.5466	8701.045
24.00726	5439.542	314.7474	9032.732
24.91216	5529.247	317.6816	9103.427
19.76779	5513.133	308.7501	8786.251
29.55893	6032.56	334.1317	9685.325
8.663644	4724.13	279.4954	7738.402
20.70436	5869.853	327.5353	9222.013
26.9219	5964.16	328.8548	9470.276
31.29027	6187.934	339.8299	9865.085
31.26076	6000.001	335.6536	9791.066
25.80209	5850.522	324.9291	9349.903
32.83103	5995.7	337.3689	9893.681
29.39405	6581.474	357.8315	10191.79
25.07087	6033.66	329.1844	9402.95
20.89114	5839.445	323.2114	9128.57
18.54323	5669.831	316.8816	8908.997
30.13757	6631.541	359.7183	10258.05
30.64998	6747.737	366.6814	10437.44
34.84547	6898.191	369.3036	10622.64
53.48342	7554.548	397.5548	11900.69
42.94542	7688.525	406.1116	11727.08
34.17293	6649.851	355.7528	10290.47
44.9476	6869.633	370.9739	10934.24
46.78342	7393.921	388.5594	11436.92
37.62662	6769.061	361.6958	10541.62
39.34383	6923.386	367.7391	10727.27

28.51552	6455.376	350.7425	9999.001
33.06189	6958.594	375.9339	10726.62
41.49694	7070.303	374.1056	10938.73
32.19766	6642.401	357.3288	10265.66
33.45224	6736.331	361.4459	10398.98
33.71887	6687.234	358.3445	10336.1
33.20603	6430.226	347.8635	10094.31
35.09912	6772.531	361.8865	10459.67
49.25737	7767.419	405.2216	11887.03
57.57605	7722.836	404.5223	12209.49
43.44246	6683.337	364.454	10856.21
35.30897	6202.106	344.8628	10139.01
39.53832	6676.661	361.2443	10621.48
41.889	7332.019	387.1623	11249.43
45.13759	7434.414	390.2508	11416.29
37.44983	7098.5	378.0917	10905.48
40.9916	7318.328	387.151	11222.63
42.78991	7416.995	391.0827	11367.66
30.99854	6664.785	360.2462	10295.59
26.54875	6451.984	355.8832	10061.54
31.33735	6265.514	341.6042	9898.148
33.07787	6586.941	353.1937	10198.39
34.93984	6862.143	367.1512	10576.01
44.04101	7825.436	412.7372	11916.16
35.69771	6889.626	367.9734	10618.18
37.6607	6908.991	367.2758	10661.21
48.79127	7734.19	403.7677	11839.42
38.05309	6920.539	367.5857	10680.05
37.25002	6446.131	352.9346	10370.03
33.28732	6833.595	367.3467	10529.77
39.39107	7395.197	393.2368	11319.41
39.03013	7269.618	386.1798	11141.18
51.74448	7967.755	414.1929	12169.92
53.87964	8386.27	434.7955	12719.91
58.31071	8412.873	433.4608	12811.93
45.77304	8493.008	447.2784	12797.67
40.09198	7131.045	377.5761	10972.67
41.57061	6583.323	360.3191	10665.06
52.03665	7789.48	405.2701	11973.83
44.65305	7361.57	386.664	11318.06
49.39097	7711.495	402.1617	11818.41
45.28685	6809.319	369.3103	11026.1
51.55888	7756.88	403.8574	11926.91
43.59854	7925.523	418.9796	12052.6
40.24019	7384.688	391.5403	11303.14
42.17049	7443.45	393.0298	11394.98
48.591	7634.28	398.5818	11711.13
40.8367	7638.298	405.7592	11658.81
31.42198	6905.865	375.7938	10675.4
28.77769	6681.162	366.5589	10379.27
36.43149	7202.065	385.6883	11055.29
47.18257	7960.762	417.1379	12109.77

58.61841	8461.34	435.7935	12876.2
48.67684	8742.83	458.1201	13137.63
45.58322	8593.794	452.4286	12919.83
55.36883	8501.568	439.8551	12882.52
42.84103	8743.674	461.3384	13072.82
37.76141	7387.567	395.0666	11316.35
36.44713	7152.245	382.5731	10981.74
29.55143	6890.82	376.2027	10641.97
32.72558	6971.23	377.4192	10752
39.38278	7046.711	373.4941	10856.68
38.18201	7332.35	391.0967	11233.99
42.72727	7781.402	411.73	11854.91
44.28257	7869.211	414.9665	11976.21
54.29589	8878.189	460.779	13353.74
49.36598	8273.58	432.4052	12536.16
47.61391	7969.138	417.1982	12123.32
58.46583	8529.738	439.4222	12958.75
66.47933	9056.339	462.051	13721.32
50.33706	8497.242	443.757	12835.05
49.92343	8376.593	437.5407	12674.68
54.30369	8102.869	419.6892	12372.27
56.10559	8356.644	431.8412	12712.09
41.52624	7868.146	418.3157	11977.72
40.88399	8168.291	433.7219	12342.46
46.65032	8499.038	447.0751	12814.71
53.77664	8769.555	455.3987	13210.29
63.09169	8025.478	416.1904	12666.16
63.97801	8271.118	426.4009	12890.22
49.33904	7816.822	407.7917	11950.17
45.84088	7743.878	406.4064	11816.8
49.62652	8212.083	428.7845	12456.84
53.10796	8711.097	452.8336	13130.11
55.90892	8824.225	456.5719	13297.96
54.11943	8673.623	449.9623	13089.6
52.73462	8466.046	439.932	12810.63
53.60533	8599.302	446.3939	12989.75
56.89719	8738.685	451.2877	13198.75
62.73818	9167.907	469.8254	13805.6
63.28989	8825.692	451.9545	13391.74
54.16095	8771.645	455.1837	13215.88
50.97053	8831.269	461.1796	13271.3
50.78558	8709.342	454.9077	13114.56
60.26611	9190.92	472.6654	13805.27
65.33633	9183.406	469.1343	13860.58
62.83562	9050.99	463.7535	13662.52
59.90897	8943.66	459.9808	13490.9
64.33631	9019.163	461.2894	13644.6
65.48309	9254.614	472.6871	13950.05
66.23053	8916.678	455.0652	13546.44
68.30643	8788.654	448.3512	13480.57
69.12716	9184.026	467.1994	13916.95
67.79873	8865.006	451.8765	13521.82

69.94545	8641.585	441.09	13421.81
67.74633	8343.413	428.4461	13094.91
68.07641	8365.959	429.3152	13125.32
69.85933	8709.686	444.2781	13475.82
66.96432	8623.044	441.187	13290.95
68.11001	8627.25	441.1003	13340.4
72.84071	8839.288	448.9811	13693.55
73.40893	9352.958	473.6908	14188.39
73.08711	9004.012	456.797	13846.48
73.16329	9403.864	476.3682	14246.57
71.8462	8845.34	449.7853	13664.03
65.39385	8977.842	458.6148	13609.15
66.34694	8833.428	450.7661	13446.12
64.4611	8230.036	424.5603	12677.48
69.5211	8760.578	446.7477	13505.58
63.03594	8778.541	449.6751	13330.08
63.38418	8658.73	443.3519	13187.74
65.92931	8834.983	451.0545	13441.79
68.2328	8963.064	456.4298	13633.26
64.55256	8643.504	442.278	13203.02
64.49971	8972.247	458.8031	13589.31
62.02088	8762.189	449.3892	13295.44
65.09949	8273.664	426.2809	12938.02
64.54628	8643.075	442.2594	13202.4
69.06178	9147.502	465.3803	13871.32
73.44108	9389.285	475.5049	14233.11
71.81179	9027.894	458.4728	13820.25
70.28498	8849.713	450.6217	13609.84
71.70927	9235.254	468.5469	14018.73
67.84248	9061.195	461.6053	13747.47
70.35608	9369.215	475.9685	14161.62
69.17477	8995.894	457.6408	13687.71
65.27317	9148.684	467.3968	13817.06
63.52275	9016.737	461.612	13630.04
67.83757	9123.323	464.7638	13823.43
72.31995	9344.6	473.7767	14161.41
73.32224	9204.93	466.4172	14031.73
73.79278	9379.541	474.8525	14226.7
75.49681	9497.547	480.0096	14396.79
71.78713	9373.667	475.4964	14188.69
61.85394	9060.032	464.785	13660.09
64.88336	9178.759	469.1451	13848.42
72.3737	9449.042	479.0181	14289.51
69.51808	9147.704	465.1671	13878.45
65.97052	9049.829	461.9838	13705.88
67.9712	9070.307	462.0038	13760.54
74.04067	9499.926	480.7949	14377.05
75.52803	9534.875	481.8693	14442.65
75.62009	9576.511	483.9174	14494.68
74.11473	8963.254	454.2633	13846.02
75.50168	9020.992	456.2337	13943.29
74.30926	8939.568	452.9837	13831.38

73.75531	8901.741	451.4739	13779.39
74.77702	8934.543	452.4334	13842.09
75.49369	9020.446	456.2119	13942.54
76.17216	9251.572	467.3483	14175.2
77.75064	9433.221	475.6211	14395.75
77.94456	9667.058	487.4174	14641.12
78.00573	9707.725	489.4253	14691.42
76.01548	9568.881	483.3558	14491.59
69.80672	9361.45	475.8492	14143.92
73.02863	9428.291	477.6616	14274.25
73.7868	8866.921	449.7575	13749.59
73.61116	9150.702	463.6684	13994.62
73.48498	9253.008	468.69	14080.27
75.61458	9646.543	487.435	14579.71
78.14124	9644.178	486.1868	14616.48
77.01797	9420.171	475.3825	14358.91
70.31573	9333.773	474.1955	14117.74
75.89772	8974.115	453.6109	13913.11
75.55348	8987.567	454.5317	13914.63
72.36831	9347.998	473.9253	14166.29
71.05765	9288.777	471.5595	14074.05
70.81336	9271.485	470.8032	14049.23
73.35662	9383.393	475.2474	14224.63
76.34439	9448.12	477.1449	14361.09
76.02469	9278.465	468.7834	14194.77
75.60757	9065.185	458.3667	13986.78
76.22995	9144.64	461.9362	14079.29
74.90891	9054.446	458.2745	13954.15
75.23361	9335.362	472.0247	14218.61
73.21115	8827.61	448.2018	13695.81
66.26077	8538.011	437.5599	13193.9
66.40092	8898.147	454.0352	13526.26
68.95314	8943.778	455.2899	13635.2
71.45383	9003.464	457.4392	13785.57
72.23505	8871.888	450.8631	13700.87
72.53007	9150.872	464.0932	13954.28
68.40528	8974.921	456.9477	13650.37
69.02942	9081.518	462.0511	13790.17
71.78197	9406.552	477.1586	14228.71
68.29026	9187.298	467.7836	13908.44
65.15836	8781.594	448.7213	13364.84
72.87208	8952.357	454.4099	13793.57
74.19571	9338.473	472.6032	14183
72.76197	9443.168	478.5371	14288.28
63.71013	8943.472	457.758	13542.61
69.45127	8755.811	446.551	13498.91
67.46025	9003.094	458.8439	13670.63
54.32466	8323.38	431.2141	12647.24
60.87394	8392.493	431.4008	12841.74
69.27681	9066.803	461.1853	13775.93
71.9828	9187.487	466.0088	13964.71
74.59003	9365.378	473.7783	14221.9

72.25683	9474.145	480.3402	14318.32
62.39067	8959.856	459.3312	13544.12
61.43993	8635.969	443.2214	13131.61
62.78367	8760.427	448.8824	13304.16
65.65525	8906.375	454.8337	13525.3
65.5089	8412.66	432.2196	13063.73
64.43097	8672.225	443.5043	13219.76
65.5074	8634.632	441.8798	13238.49
67.27287	8829.124	450.3216	13470.18
68.63979	8922.396	454.3634	13604.42
69.85936	8857.651	451.1238	13600.01
68.7879	8821.514	449.7414	13527.23
71.05406	9050.149	459.763	13809.96
71.83324	9310.397	472.2812	14112.25
60.69961	8914.296	457.967	13464.59
66.82807	9112.281	464.7183	13794.99
63.43289	8894.01	455.3764	13477.83
67.65608	8522.257	436.5107	13237.03
63.73726	8328.723	428.8787	12924.29
61.30766	8088.787	419.061	12638.44
56.22875	8163.206	421.6967	12473.51
57.34343	8240.399	425.0702	12584.77
59.83311	8412.813	432.6049	12833.29
63.76091	8182.22	422.668	12614.21
62.27458	8451.038	434.0064	12951.55
61.67022	8446.828	433.7553	12919.94
61.92578	8353.175	429.9273	12862.27
62.11407	8106.819	419.7453	12686.8
61.44304	8283.195	427.0167	12788.11
60.97451	8464.123	434.6316	12913.01
59.22693	8317.154	427.9963	12706.4
65.94433	8627.441	441.5307	13251.68
69.22019	8703.042	444.2032	13446.05
67.87824	8759.43	447.1148	13439.08
66.24604	8685.041	444.0297	13310.39
66.90584	8767.075	447.5932	13404.37
68.65536	8738.475	445.9916	13453.34
56.82854	8042.344	416.6192	12393.7
54.03153	8011.044	415.047	12254.19
59.87891	8176.435	422.5365	12637.22
60.77591	7950.606	413.4742	12371.55
56.47426	8358.247	431.7021	12719.04
52.73425	8203.494	425.9581	12477.31
46.96181	8045.614	422.0926	12221.99
41.59485	7363.801	389.1447	11287.09
44.82072	7509.557	394.5413	11508.03
53.88172	8000.67	414.5936	12239.24
61.26373	8270.956	426.5031	12770.81
52.94985	8054.307	417.9806	12293.77
41.93887	7407.743	391.2676	11346.9
39.66083	7184.319	380.8868	11036.99
42.8136	7271.1	383.1096	11181.59

48.14019	7059.85	378.6386	11245.74
47.79672	7768.294	406.275	11870.27
48.03938	7659.458	400.2949	11735.97
48.42382	7686.67	401.4852	11775.02
49.65861	7796.026	406.4731	11928.03
51.39764	8057.057	419.1301	12277.29
54.82638	8189.052	423.8774	12486.58
60.9074	8459.51	434.4301	12906.35
64.68142	8430.197	433.1092	13042.92
64.7976	8549.176	438.2196	13140.56
66.44717	8476.72	434.8203	13152.6
42.59455	7457.503	393.4496	11417.34
35.38814	6895.936	368.6327	10623.91
38.25996	7096.283	377.2229	10909.86
43.05329	7510.897	395.9882	11490.34
48.97135	7833.437	408.926	11966.53
45.10398	7569.44	397.5634	11587.29
49.30341	7770.702	405.3652	11891.74
62.46084	8537.803	437.6333	13025.41
43.75844	7470.075	393.2103	11445.89
37.70946	6944.117	369.2014	10707.29
37.99681	6980.601	370.9922	10757.4
34.63719	6753.643	361.2515	10430.99
42.11922	7186.099	378.9956	11065.14
46.77827	7393.569	388.5443	11436.41
51.22776	7298.528	387.8366	11504.52
54.26422	7793.204	406.4542	12095.58
55.80827	7639.167	401.1723	12070.04
55.79261	7934.585	412.218	12267.94
58.11038	8092.774	418.9105	12492.54
50.90978	8043.373	418.7345	12254.05
34.7564	6950.035	372.4586	10693.18
45.25048	7422.646	389.5349	11402.69
41.8248	7237.519	382.0379	11127.72
39.66121	6425.059	354.498	10507.91
51.66562	7504.592	395.1393	11775.53
48.05944	7406.797	389.8887	11518.57
55.39642	7555.431	397.9961	11907.81
57.70389	7657.464	402.0043	12169.87
57.59859	7678.053	402.799	12134.46
63.66334	8323.676	428.6721	12917.25
65.17091	8500.627	436.0916	13118.72
60.20553	8520.623	437.9613	12971.75
42.2841	7470.317	394.4045	11430.51
40.07113	7112.491	376.5679	10948.56
36.12143	6981.29	372.7581	10741.56
30.51733	6504.418	351.0937	10070.74
41.25352	6608.089	360.7898	10691.76
27.61428	5639.395	323.5125	9410.879
21.48266	5630.164	313.7414	8953.174
26.45063	5969.203	328.2012	9436.751
38.84135	6814.808	364.2656	10642.85

52.8007	7841.616	407.5293	12048.87
35.21793	6853.95	366.4101	10567.48
29.04303	6440.486	349.037	9976.955
31.19274	5958.172	334.6512	9770.474
34.99134	6663.559	355.7742	10315.68
32.84416	6770.995	364.1003	10440.74
31.47064	6524.651	351.2275	10103.78
40.64246	7066.483	373.5704	10895.43
49.9015	7124.522	381.4607	11451.17
59.09529	8122.949	420.2919	12561.62
60.093	8539.94	439.0201	12994.01
48.72881	7622.345	397.8554	11697.85
59.12342	7976.692	414.5203	12458.86
55.21654	7635.822	400.9459	12039.43
34.89335	6873.05	367.8201	10589.97
36.69468	6333.9	349.5197	10284.46
39.94296	6481.444	356.2592	10551.88
42.15463	6651.052	362.6707	10699.61
35.10567	6714.921	358.5973	10384.12
30.50714	6552.347	353.9435	10135.11
36.02278	6176.536	344.918	10172.76
38.11096	6653.514	359.2089	10520.09
42.42463	7389.833	389.8924	11329.06
35.68783	6933.344	370.4641	10675.33
39.59383	6903.303	367.4671	10733.96
49.94064	7238.437	385.3196	11365.26
45.05176	7369.582	386.8124	11332.97
34.58562	6878.205	368.4267	10594.41
26.38132	6237.125	340.1171	9689.438
32.44101	6673.779	358.893	10309.02
35.56112	6553.787	353.8002	10307.45
29.23616	6657.627	363.6601	10324.55
28.95806	6501.389	353.0733	10066.86
22.65329	6019.682	333.1745	9412.796
20.30515	5839.478	326.5147	9185.975
21.50531	5948.275	331.6011	9341.007
26.67639	6409.425	352.1476	9977.669
36.63315	6329.698	349.3534	10278.71
38.6991	6498.607	355.6838	10331.88
39.59361	6994.384	370.4205	10791.36
37.80066	7061.896	375.7156	10861.05
34.7844	6721.221	359.2575	10389.6
36.32511	6420.137	351.3279	10299.26
34.79489	6765.047	361.7507	10447.28
33.94151	6731.185	360.6501	10395.85
43.03821	7064.098	375.3901	11032
40.57177	7113.56	376.2209	10955.19
37.89392	6973.213	370.6689	10746.83
54.05234	7445.115	393.7355	11857.68
45.66758	7670.805	402.6042	11722.25
30.81063	6786.679	369.0115	10497.18
27.46493	6430.414	351.5126	9986.191

31.64952	5952.184	335.0582	9798.74
35.29511	6647.122	355.7676	10329.65
30.64129	6660.8	360.6921	10295.74
29.16555	6403.901	346.689	9927.89
29.99846	6334.807	341.6044	9839.218
26.94483	5668.083	323.1717	9373.638
25.30331	6107.195	333.5043	9506.431
25.00486	6150.684	336.6905	9567.027
33.85353	6214.219	343.5987	10049.78
35.98149	6955.631	371.4414	10706.88
38.18916	6930.032	368.0007	10693.71
39.88171	6440.121	355.0786	10528.22
38.23074	7077.979	376.227	10885.86
36.70208	7010.317	373.8395	10784.29
36.76289	6984.199	372.3101	10750.77
41.90496	7261.226	383.2731	11158.95
45.84935	7764.537	407.5117	11843.07
48.83973	7163.285	382.3405	11419.05
38.6512	7158.238	380.3262	10993.69
37.90949	6528.31	355.7195	10449.35
31.14216	6650.847	359.0136	10270.63
31.68931	6772.766	366.2273	10457.04
39.17654	7164.908	380.2307	11007.25
46.10887	6948.941	374.092	11039.69
45.03867	8077.838	425.971	12260.34
44.82981	7867.929	414.294	11975.61
51.99436	8524.521	443.7254	12880.78
55.21924	8167.675	422.5238	12465.26
56.52638	7577.034	398.904	12061.41
64.40616	8170.773	422.0316	12729.88
48.58033	7117.726	380.7281	11264.12
45.4707	6961.012	374.1012	10940.88
47.55332	7038.334	377.6687	11277.54
42.90688	7222.141	380.3709	11120.13
39.2124	7380.452	392.5896	11298.91
39.67299	7477.513	397.7765	11435.51
44.17055	7742.921	407.8829	11803.96
51.82674	8480.674	441.4942	12822.66
43.08563	7655.158	404.0304	11681.4
46.08834	7346.488	386.5202	11368.96
56.9021	7713.833	404.1325	11994.37
54.1988	8046.901	416.8237	12301.13
50.39235	8138.6	424.1292	12367.14
54.48107	8286.338	429.1771	12603.14
35.92656	7292.16	392.1196	11193.47
33.82124	7054.793	380.7753	10863.37
30.94328	6660.36	360.0519	10289.4
31.9439	6967.849	378.8235	10762.37
33.52014	7086.621	383.4128	10917.11
46.94268	7145.052	380.7577	11305.02
49.36947	7819.022	407.888	11953.31
42.76723	7607.193	401.6166	11614.83

37.25707	7201.375	384.4202	11048.81
40.12898	6679.846	361.8715	10659.59
42.77445	7397.409	390.0269	11342.48
50.05516	7543.005	395.6513	11711.97
52.8223	8162.993	423.7722	12427.84
48.77129	8087.983	422.7227	12287.86
48.37268	7832.124	409.2735	11957.63
56.80192	7651.424	401.7456	12036.05
58.02188	7818.082	408.2379	12069.67
64.68639	8162.158	421.5842	12784.25
58.99022	7856.43	409.7755	12183.08
53.0972	7639.4	400.4641	11935.51
47.26105	7915.293	414.5271	12049.57
45.86017	7785.388	408.6255	11869.61
48.52949	7822.408	408.6456	11947.28
52.63537	7937.832	412.0558	12144.16
58.22229	7952.216	413.4648	12399.47
44.67128	7783.427	409.661	11860.52
42.3581	7530.681	397.6413	11508.46
36.25961	6901.189	368.0959	10638.1
36.13294	7092.729	379.3418	10896
38.03657	7375.152	393.903	11296.57
41.385	7580.829	401.6932	11577.51
45.89406	8154.714	429.3439	12365.13
51.26971	7865.336	409.0936	12035.57
54.0656	7631.369	400.501	11979.75
44.03432	8010.818	423.3391	12169.01
48.84113	8501.075	445.4635	12833.75
56.0147	9097.303	471.006	13646.98
57.72342	9355.515	483.2536	13988.49
61.95705	9408.973	482.8455	14096.63
62.8337	9079.525	465.2178	13697.62
65.25924	9147.634	467.3508	13815.58
66.1824	9247.615	471.95	13951.48
66.35711	9199.91	469.4265	13895.52
57.87617	8512.644	438.884	12929.52
53.16546	8409.16	436.5157	12740.82
49.35486	8438.159	441.4722	12752.75
57.15054	8587.956	443.2309	13013.12
61.05724	8692.011	446.3163	13195.3
46.40271	8074.547	424.2857	12258.65
46.45864	8054.123	423.0816	12231.45
49.87317	8316.264	434.2786	12595.21
53.32745	8391.172	435.4197	12719.08
57.81174	8560.12	441.384	12987.47
65.55545	8869.238	452.9908	13478.27
68.91285	9486.62	482.6488	14283.68
60.43578	8214.444	424.1315	12690.94
48.22313	7863.444	411.0498	11995.3
52.93891	8289.807	430.3581	12587.69
58.3421	8335.946	429.4591	12717.13
69.13295	8734.081	445.6539	13468.48

70.23379	8698.263	443.5959	13480.09
69.4709	8461.21	432.9869	13253.77
69.83229	9105.271	462.8664	13831.38
61.7208	8824.677	452.7671	13368.2
58.73979	8682.786	447.181	13151.89
63.56344	8758.309	448.3574	13312.82
53.7241	8398.257	435.5264	12732.89
58.0536	8630.711	444.8974	13078.17
65.66469	8460.309	434.2658	13107.7
68.76462	8745.933	446.302	13463.83
66.6143	8974.26	457.8029	13622.71
61.67967	8262.314	426.1723	12783.45
58.92288	8483.202	436.7502	12907.48
65.29993	8851.282	452.2056	13452.46
67.25037	8895.531	453.4793	13535.77
67.20099	9139.439	465.9075	13833.75
71.39204	9036.23	459.0077	13811.29
69.03443	8690.361	443.684	13428.37
64.67898	8896.52	454.8382	13498.9
65.1483	8840.627	451.7397	13437.15
63.16244	8845.325	453.0294	13414.07
65.0154	9099.457	465.0235	13752.94
67.54647	9320.047	474.9096	14059.96
71.13257	9754.973	495.0773	14643.95
72.9344	9726.191	492.7156	14635.65
71.83459	9543.449	484.0423	14396.41
71.79561	9573.83	485.5948	14432.87
71.88625	9613.875	487.5709	14483.05
71.81755	9508.919	482.308	14354.06
73.03477	9074.388	460.2193	13906.34
72.93693	8993.759	456.3738	13832.12
71.817	8954.288	454.9745	13756.96
69.52904	9116.372	463.5748	13840.33
68.01187	9229.82	470.0841	13956.35
71.4616	9582.082	486.1774	14437.93
70.62856	9748.357	495.0047	14628.49
70.07323	9542.895	484.8987	14369.48
76.01926	9746.228	492.2506	14707.1
77.01992	9710.809	490.0187	14679.66
70.68975	8877.342	451.7717	13648.71
68.67021	9214.775	468.9864	13947.71
73.99797	9359.366	473.7437	14205.34
76.36653	9949.313	502.2734	14959.14
77.17578	10081.92	508.536	15132.54
77.22587	9833.486	496.0702	14831.78
73.19408	9440.001	478.1739	14291.05
68.38184	9446.05	480.8692	14226.32
61.26835	9051.406	464.7109	13642.11
62.71973	8927.581	457.4901	13509
66.47627	9300.46	474.4833	14020.49
63.81564	9213.918	471.5411	13876.59
66.03435	9054.477	462.1873	13712.51

71.31683	9439.183	479.0321	14261.46
74.66299	9787.045	494.9379	14735.88
68.64782	9636.312	490.3889	14462.93
72.77129	9848.928	498.9817	14782.72
76.29827	10157.56	512.7481	15211.03
75.00982	10092.05	510.0938	15112.02
73.86978	9899.658	500.9872	14860.9
75.64071	9437.066	476.9093	14325.55
76.54173	9641.277	486.7494	14587.76
76.89638	9988.983	504.0122	15015.44
69.22618	9382.77	477.2226	14161.34
68.27001	9311.669	474.107	14060.3
72.10204	9396.119	476.4787	14220.86
68.9515	9139.696	465.0389	13860.12
68.2098	9244.336	470.7199	13977.03
67.70585	9394.403	478.6039	14153.3
67.68589	9455.199	481.7036	14227.44
68.40314	9353.096	476.1407	14112.93
69.16779	9569.932	486.7385	14389.25
70.64135	9839.283	499.6025	14739.43
72.97545	9390.664	475.791	14227.6
73.33709	9205.943	466.4608	14033.18
73.03916	9395.141	475.9867	14234.04
72.66912	9197.338	466.2776	14000.14
73.74862	9049.169	458.6612	13909.72
73.53982	9293.722	470.6487	14118.3
74.04741	9328.355	472.1613	14168.37
74.1835	9441.078	477.769	14307.65
72.99643	9459.884	479.2685	14312.23
71.74638	9204.59	466.9817	13981.91
74.59378	9573.766	484.2509	14475.42
67.54743	8978.131	457.5317	13641.37
61.51391	8251	425.7013	12767.53
58.53503	8534.813	439.6445	12965.98
60.26576	8661.74	445.2036	13146.85
64.26074	8925.311	456.5316	13528.2
69.10478	9341.857	475.2108	14109.54
72.89959	9176.088	465.1773	13990.41
74.70125	9442.454	477.6019	14317.38
74.76183	9898.718	500.5024	14873.2
69.91032	9869.472	501.5344	14765.75
74.6606	9682.699	489.6947	14608.94
74.98677	9170.657	463.9804	14061.36
69.39205	9074.783	461.5341	13787.43
64.964	8976.527	458.7742	13601.28
64.64129	8982.631	459.2578	13604.11
71.18051	9495.146	481.9262	14327.68
73.99563	9139.972	462.9715	13999.03
73.77046	9198.545	465.9303	14042.81
71.56972	9192.446	466.4512	13964.38
70.9076	9003.169	457.5977	13764.14
69.13422	8845.151	450.7414	13560.79

68.74494	8670.597	442.8749	13400.82
67.7502	9210.63	469.2436	13929
73.09958	9004.863	456.8322	13847.67
74.56581	9571.772	484.1637	14472.56
74.50484	9913.859	501.3886	14887.73
73.11012	9943.023	503.5512	14902.36
65.56437	9514.365	485.9472	14271.05
66.35178	9199.511	469.409	13894.95
66.94156	9501.072	484.4517	14273.14
66.62079	9850.76	502.5373	14699
71.10533	9390.873	476.695	14199.33
68.82958	8417.405	431.2983	13194.69
60.36994	7876.607	410.5159	12442.36
56.46332	8332.022	430.3443	12686.34
58.3018	8333.134	429.3362	12713.08
64.99312	8829.721	451.2629	13421.48
62.96732	8888.616	455.3549	13464.55
66.18381	9126.149	465.7609	13802.57
68.80111	9224.241	469.4008	13961.23
68.17895	8456.186	433.3519	13043.79
50.06832	7958.21	414.7986	12136.81
47.72832	7742.276	404.9334	11836.63
47.67054	7675.225	401.3909	11751.34
49.37193	7753.78	404.4205	11871.32
52.04104	7873.2	409.023	12055.51
56.00821	8147.932	421.0292	12451.5
59.47373	8111.737	419.9048	12571.61
55.3523	7904.535	410.9466	12225.28
55.56147	7622.282	400.5095	11873.22
60.57152	8075.56	418.5341	12596.03
58.59195	8014.499	415.9487	12460.79
60.85848	8428.474	432.8583	12867.35
62.52462	8684.777	445.1412	13207.31
68.5857	8696.723	444.1118	13416.16
59.85789	8550.341	439.6884	13003.55
51.76639	8153.566	423.9735	12402.71
52.74062	8039.283	417.3231	12272.27
55.6405	8197.493	423.828	12508.05
56.24236	8076.458	417.7058	12386.87
60.22592	8014.926	416.0876	12536.44
68.75729	8449.463	432.7939	13218.6
69.31426	8672.471	442.7673	13424.19
51.33322	8120.692	422.532	12356.17
50.20687	7879.58	410.5389	12039.84
51.51305	7836.636	407.4251	12002.8
53.53482	7891.708	409.7	12120.97
54.84766	7981.29	413.5819	12249.9
52.30689	7316.624	388.7741	11649.33
53.25258	7381.215	391.2805	11736.03
48.7445	7379.36	389.4209	11541.26
48.28821	7592.057	396.5321	11654.13
57.46134	7668.679	402.4352	12121.88

59.11287	7901.882	411.5654	12405.12
50.41672	7196.802	384.0789	11521.21
46.88838	7598.524	397.8322	11645.02
41.16419	7366.567	389.6574	11286.28
46.02401	7942.589	417.263	12080.19
47.60622	8282.431	434.6394	12540.06
37.42155	7080.622	377.1151	10882
42.7103	7282.245	383.7961	11194.67
47.03954	7568.069	396.0951	11608.37
47.48762	7182.258	382.2682	11356.64
55.60515	8120.02	419.8094	12411.27
38.966	7341.012	390.5495	11243.34
37.11951	6995.349	372.6062	10768.43
39.32777	7142.877	378.8762	10980.27
42.64635	7296.09	384.6005	11211.65
45.66238	7531.029	395.0805	11545.01
49.42338	7574.071	396.3044	11695.04
58.34753	7775.525	406.5893	12281.23
47.37583	7882.722	412.6981	12009.75
33.95293	7036.492	379.352	10833.46
33.5275	6824.251	366.4379	10515.76
35.22384	6956.454	372.2407	10701.98
42.13353	6742.448	365.2877	10811.53
42.17042	7334.673	387.0814	11255.81
37.33045	7154.058	381.4154	10979.49
37.19453	7078.863	377.2302	10877.76
45.96441	7863.215	412.8557	11973.22
53.1474	7973.553	413.6173	12195.57
46.35138	7783.142	408.1291	11872.24
45.81189	7925.084	416.4946	12055.86
47.96255	7738.367	404.56	11834.52
58.31204	7847.197	409.3827	12329.96
38.19384	7075.235	376.1068	10881.96
39.73367	7423.471	394.4778	11358.7
41.90352	7459.037	394.1054	11412.22
57.36607	8041.974	416.7613	12420.42
44.72671	7859.336	413.9168	11963.69
35.58796	7032.295	376.3794	10810.05
35.66509	7153.352	383.8602	10989.84
33.74432	6799.673	364.7919	10484.79
40.25483	7091.288	375.247	10923.19
43.24316	7040.962	374.8861	11032.4
41.27182	6980.675	371.3398	10879.43
49.28678	7490.563	393.4326	11637.51
31.32849	6832.798	371.035	10560.17
31.2386	6633.322	357.8703	10247.7
32.81018	6661.564	357.7905	10295.33
40.26082	7211.781	381.8948	11078.32
42.07504	7183.039	378.8619	11060.73
53.25911	7390.937	391.6286	11784.27
47.23746	7202.281	382.7629	11354.14
46.13031	7275.133	384.3184	11331.63

45.0028	7464.092	391.9507	11452.39
36.04315	7085.466	379.0229	10885.86
34.63971	6910.93	370.2425	10637.85
31.98646	6613.661	355.8807	10225.99
28.1517	6426.539	349.4766	9958.533
22.13896	5998.3	333.4841	9404.256
27.00019	6253.267	340.2728	9713.369
41.53188	6701.365	363.6479	10755.06
28.99415	6526.212	354.7844	10108.24
17.14914	5571.336	315.9998	8843.907
7.006988	4542.904	271.2206	7495.108
12.13718	5106.934	297.1931	8250.222
24.89266	6282.503	347.8251	9822.702
32.5797	6499.013	348.5875	10077.78
33.45161	6708.933	359.8657	10362.74
17.79268	5627.349	318.1445	8913.783
17.85377	5617.805	315.2233	8849.133
23.81024	6122.84	338.0138	9560.671
27.24489	6392.819	349.2403	9926.271
30.33417	6551.214	354.0806	10132.68
33.46297	6847.517	367.9579	10549.31
37.28232	6882.401	366.1131	10622.99
37.82585	6872.867	365.1116	10615.94
32.43923	6726.279	361.9495	10378.8
29.50244	6533.6	354.1767	10108.78
30.43014	6570.728	355.1235	10159.42
36.02468	6399.625	350.4952	10270.81
25.41964	6144.505	335.6888	9558.797
20.07231	5768.788	319.9317	9028.434
26.71704	6061.797	330.4034	9487.199
31.5258	6092.464	338.0252	9844.647
26.16417	6200.628	338.1493	9638.348
24.00692	5967.202	326.4604	9307.432
29.2339	6305.292	340.6907	9794.579
30.46706	5945.803	333.4903	9716.574
26.74172	5951.862	328.3345	9452.816
19.65756	5637.226	311.4867	8833.086
14.10728	5287.978	297.9634	8343.342
16.48883	5441.226	303.801	8555.674
26.03837	6072.476	330.3285	9459.996
37.87042	6414.191	352.697	10394.3
42.3495	7054.222	374.4765	10984.33
37.31582	7088.192	377.6395	10890.93
37.95113	7169.003	381.5702	11001.37
30.935	6672.248	360.8841	10308.82
34.01604	6848.361	367.3069	10550.97
35.01241	6708.415	358.3129	10374.76
28.97637	6590.471	359.4697	10218.12
25.31699	6225.751	341.5959	9689.666
32.05302	6735.763	363.0518	10392.48
43.8306	7342.568	386.2347	11284.3
44.49442	6755.191	367.2238	10953.11

34.18342	6199.575	343.6194	10065.37
27.83955	6175.592	334.4618	9610.188
23.24189	6062.466	334.7405	9467.137
23.29983	6041.974	332.5938	9418.86
33.23075	6886.81	370.9226	10612.83
38.48979	7320.818	389.9721	11216.03
51.94109	7782.96	404.9875	11964.45
51.67802	7468.357	393.8831	11753.58
54.8812	7798.251	406.8565	12130.58
57.93356	7858.403	409.7867	12320.29
49.0789	7798.009	406.9682	11923.29
48.96458	7789.742	406.6063	11911.47
47.82369	7316.505	386.8047	11452.83
45.14347	7415.18	389.2085	11391.95
49.9667	8016.985	417.9842	12209.36
45.52644	7925.987	416.8422	12056.12
36.75247	7194.743	384.7479	11042.16
36.42631	7116.461	380.3835	10929.14
42.13675	7002.573	372.7871	10944.65
47.93954	7947.442	415.7386	12097.88
40.25876	7607.933	404.7359	11617.95
31.73227	6842.354	370.8332	10567.2
33.52731	6526.496	350.5404	10156.03
39.75209	6765.538	363.8716	10677.69
28.11246	6577.131	360.7507	10222.71
26.25562	6442.145	356.0746	10057.2
32.70807	6969.656	377.3502	10749.86
28.12243	6516.514	356.2243	10116.48
30.21627	6614.107	358.3319	10227.63
44.29761	7187.171	380.1466	11173.95
42.41792	7096.019	375.7522	11010.08
33.51891	6741.323	361.6647	10406.06
35.15981	6805.984	363.7346	10504.08
24.57208	6231.097	344.6347	9738.374
24.68877	6196.776	341.2587	9662.96
33.79936	7023.066	378.7629	10815.04
27.97612	6493.706	354.9124	10081.28
32.05855	6166.017	340.3389	9909.696
38.72786	7000.353	371.4665	10790.16
40.74337	7386.614	391.1219	11307.9
50.12144	8224.311	429.0142	12476.19
41.44764	7459.26	394.5057	11407.98
41.19372	7298.304	385.8816	11198.98
42.42189	7022.034	373.6105	10972.28
46.63072	7641.374	400.313	11696.12
48.35597	7894.745	412.6237	12036.32
43.04339	7853.649	415.5174	11954.23
40.71685	7792.101	414.9799	11875.06
40.5352	7489.618	397.3811	11450.64
46.82673	7025.817	376.9006	11230.99
41.8351	7328.039	386.9879	11243.76
43.56864	7550.271	397.7152	11546.01

49.28991	7490.776	393.4416	11637.81
38.0106	7029.602	373.72	10821.09
38.53435	7530.786	402.5883	11517.44
38.19018	7499.293	401.2067	11474.69
39.05726	7444.371	396.6312	11390.68
41.47637	7694.219	408.2131	11735.5
45.23928	7805.148	410.3066	11891.94
53.14321	7790.838	405.8926	12034.97
54.30896	8249.211	427.3433	12554.64
43.65516	7792.964	411.312	11871.24
41.98622	7695.65	407.6583	11736.78
42.94275	7867.12	416.4171	11972.84
41.59753	7492.272	396.2634	11454.12
41.43465	7500.483	396.9322	11465.45
42.08309	7595.71	401.7292	11598.16
47.25354	8044.057	421.7166	12221.21
55.91563	8518.755	440.4027	12910.97
58.07906	7942.438	413.0644	12385.84
57.5267	7793.571	407.2423	12256.25
54.21042	7937.808	411.6977	12187.32
49.23217	8069.918	421.3156	12267.11
48.59703	8100.996	423.6011	12303.99
47.04762	8001.361	419.535	12163.28
50.3329	8067.074	420.3836	12276.68
47.99348	7909.44	413.6702	12050.58
40.2618	7143.238	378.1097	10990.12
45.8682	6960.36	374.3102	11141.45
47.35642	7948.729	416.3023	12094.68
49.49145	8228.744	429.8229	12477.9
55.1958	8602.442	445.3068	13008.03
61.27291	8847.143	454.1767	13389.65
55.40366	8454.49	437.3767	12824.42
57.36696	8552.71	441.2683	12972.3
63.02064	8777.443	449.6271	13328.51
52.41591	8831.102	459.9416	13280.95
51.9874	8553.664	445.3113	12918.56
60.16949	8122.191	420.3943	12611.6
61.16164	8894.411	456.6729	13446.4
56.84622	8869.406	458.2488	13364.28
58.75624	8025.715	416.4117	12476.5
62.22426	8262.459	426.1848	12808.03
63.74507	8654.574	442.9522	13187.93
48.66774	8322.916	435.8002	12597.74
49.26197	8182.296	427.477	12415.34
56.35942	8578.264	443.2208	12990.68
61.4382	8971.48	460.4764	13545.24
58.43405	8931.746	460.3736	13459.4
55.6029	8831.156	457.1823	13304.06
46.04763	8068.97	424.349	12250.14
42.51111	7850.68	416.0046	11950.72
43.9643	7934.91	419.083	12065.45
50.76209	8362.34	435.9937	12661.17

60.43814	9388.562	482.8664	14054.91
64.69469	9563.624	489.0226	14320.89
66.82597	9575.603	488.3312	14363.2
70.33382	9660.21	490.7002	14516.57
67.66853	8893.124	453.1522	13539.13
61.32529	8906.915	457.2213	13464.08
63.77481	9181.552	469.9079	13836.23
72.0429	9592.218	486.4006	14459
65.747	8576.961	439.3446	13203.3
70.41079	8858.301	450.9791	13621.92
69.10224	8510.017	435.404	13281.24
52.99774	7706.761	402.8265	11973.41
49.84095	8007.442	417.5657	12195.85
54.11636	8210.759	425.4518	12504.21
58.51144	9113.369	469.8733	13689.48
66.25805	9344.65	476.8524	14071.53
60.56854	9179.633	471.8647	13794.44
65.81705	9189.682	469.1942	13875.18
73.6507	9711.773	491.6395	14628.91
75.9929	9921.339	501.0473	14919.43
75.78549	9835.216	496.8242	14811.62
74.3785	9904.206	500.9652	14874.08
73.3199	9857.365	499.1317	14801.18
74.14478	9851.89	498.4488	14806.91
75.0081	9917.408	501.322	14899.66
73.92466	10006.92	506.3565	14992.26
73.97721	9770.425	494.4326	14705.24
68.57301	9334.201	475.0943	14092.32
65.67609	8937.984	456.4349	13564.38
70.64931	9227.199	468.6432	13992.69
75.01524	9917.95	501.3457	14900.42
74.3388	9970.29	504.3075	14953.88
69.4162	9741.176	495.2958	14602.1
66.86804	9391.877	478.9248	14138.13
63.65653	9201.437	470.9931	13859.03
66.44718	9298.237	474.3858	14017.34
70.8815	9075.359	460.9918	13824.58
65.21045	9363.862	478.428	14080.59
61.1821	9044.57	464.4108	13632.51
65.43895	9666.974	493.8629	14457.81
68.21673	9244.845	470.7421	13977.76
69.98309	9083.38	461.6862	13806.94
72.26219	9095.613	461.5403	13895.99
70.5139	9282.893	471.5249	14058.62
70.34151	9238.086	469.3423	14001.31
70.44319	9310.421	472.9517	14091.15
72.21447	9738.87	493.7131	14640.32
74.19036	9717.418	491.6636	14643.98
73.00271	9494.208	480.9947	14354.14
70.75286	9496.292	482.1971	14322.68
58.24078	8776.598	452.3413	13261.33
63.26944	9055.451	463.7365	13674.08

68.74237	8855.403	451.2956	13553.38
74.55541	9744.376	492.8447	14682.35
72.45047	9555.336	484.3409	14420.2
70.1289	8987.016	457.0488	13719.5
70.44639	9278.08	471.3144	14051.72
73.9944	9393.503	475.4627	14246.83
73.83584	9348.221	473.2568	14189.25
73.17607	9268.903	469.5647	14082.42
70.65401	9022.85	458.5894	13770.85
64.88137	9089.422	464.5837	13738.7
68.54719	8842.083	450.7275	13534.38
68.76708	8746.101	446.309	13464.07
70.64212	8837.105	449.9069	13612.75
73.69177	9267.118	469.3014	14100.58
75.11054	9575.656	484.1072	14485.72
68.9565	9362.717	476.3439	14132.84
69.11183	8769.633	447.2885	13497.18
71.30367	9372.208	475.6556	14179.56
64.6027	8646.925	442.4262	13207.94
64.63613	8575.173	439.3439	13153.68
66.19124	8681.301	443.8702	13305.05
69.29615	8967.183	456.3042	13668.88
74.08427	9293.9	470.462	14139.12
75.32348	9590.728	484.7665	14507.35
75.782	9409.745	475.4819	14305.86
74.03485	9327.498	472.1239	14167.14
73.07921	9296.21	470.9845	14114.17
74.54489	9466.289	478.8711	14343.94
75.30508	9694.582	489.9898	14633.3
75.32693	9661.099	488.2983	14592.94
75.3817	9271.541	468.7808	14166.19
74.14859	9076.473	459.7883	13947.96
73.01272	9035.908	458.3717	13871.79
73.69002	9303.97	471.0963	14133.12
74.47439	9061.747	458.8883	13946.05
75.76296	9149.717	462.4898	14068.67
72.68789	9303.026	471.5086	14116.41
69.80687	9296.973	472.5846	14065.16
69.87431	9237.294	469.53	13993.28
68.21049	8708.108	444.7276	13410.62
69.89175	8970.833	456.3531	13696.32
64.44801	8761.908	448.0797	13330.18
61.68436	8737.682	448.3161	13260.47
66.13418	8970.643	457.8637	13611.18
67.59769	8888.29	452.9411	13532.14
63.68374	8941.522	457.6726	13539.84
62.24236	8835.079	453.0095	13388.36
62.96676	8888.575	455.3531	13464.49
65.95527	9018.441	460.392	13667.16
68.70693	9217.431	469.1027	13951.5
70.53584	9121.376	463.3462	13861.79
72.96496	9525.354	482.5819	14391.49

65.06697	9282.255	474.3281	13978.08
61.18778	9045.02	464.4305	13633.14
67.8366	9404.392	479.042	14167.43
71.31877	9802.501	497.3819	14704.66
65.74757	8465.967	434.4974	13115.59
58.63833	8622.007	444.0965	13075.3
56.56381	8466.688	437.2888	12854.86
54.0987	8330.568	431.7355	12653.28
57.06952	8401.598	433.6003	12780.9
62.7559	8643.862	442.9194	13160.29
67.15995	8821.419	449.9877	13459.09
69.2078	8961.154	456.0429	13660.21
69.41113	8901.042	453.242	13618.47
70.23301	8846.165	450.474	13604.85
71.33644	8995.452	457.1003	13774.19
62.92725	8655.817	443.4419	13177.49
50.68429	8071.444	420.3723	12286.46
50.42729	8051.94	419.517	12258.84
52.1991	8070.152	419.2935	12303.85
54.64011	8298.164	429.6953	12619.94
60.42134	8755.501	449.9477	13264.77
64.13378	8916.065	456.1268	13515.01
62.69189	8925.496	457.3987	13506.04
63.45014	8866.278	453.9468	13443.97
68.3233	9284.146	472.6825	14027.41
69.02821	9208.818	468.5052	13945.77
61.52184	8893.919	456.4397	13450.78
48.22436	7948.419	415.5811	12102.4
49.00144	7211.423	384.0064	11456.12
52.09825	7497.048	395.0479	11793.39
56.31979	8169.51	421.9722	12482.6
52.79406	7581.631	398.2932	11882.92
47.71018	7761.903	405.995	11861.17
49.57379	7965.257	415.5135	12139.62
55.79145	8459.033	437.3689	12835.14
58.95495	8405.401	432.7088	12811.69
56.35128	8247.805	426.0286	12580.25
53.16827	8141.228	422.4065	12405.13
56.95304	8418.794	434.5632	12800.65
61.60299	8731.756	448.0566	13252.01
60.20392	8383.814	430.9077	12802.78
58.62719	8382.369	431.7016	12778.59
57.01861	8320.753	429.4304	12679.93
55.66545	8474.492	438.2541	12852.7
53.79456	8355.617	433.2454	12680.61
56.80346	8433.426	435.4136	12816.79
59.61003	8478.471	436.1176	12911.26
59.3225	8511.897	438.006	12948.54
63.69862	8767.877	448.7759	13326.56
66.70857	8827.626	450.2915	13444.43
67.76402	9118.043	464.5327	13815.88
67.31766	9147.937	466.2796	13845.87

68.70094	8963.565	456.2288	13640.97
67.49463	8943.384	455.7917	13598.04
57.31856	7816.411	408.0963	12262.3
58.95034	7964.875	414.0406	12442.46
64.02409	8607.444	440.7154	13151.12
64.42261	8848.618	452.525	13436.33
69.61503	9218.809	468.7212	13966.79
68.48557	9169.853	466.8	13890.01
60.3128	8500.822	436.8812	12948.82
60.13006	8487.98	436.3197	12930.36
58.1759	8208.393	423.423	12576.77
51.3615	8191.307	426.2398	12444.95
40.05118	7469.666	396.8142	11423.37
51.68886	7848.811	407.9572	12020.35
55.01115	8054.197	416.7225	12321.26
44.07627	7735.295	407.5481	11793.31
35.98482	7080.747	378.8158	10879.27
36.07975	7023.158	375.1686	10795.94
40.44937	7346.452	389.1648	11253.44
44.70529	7928.923	417.8952	12058.08
54.33219	8153.567	422.3245	12435.8
38.59297	7404.539	394.8833	11335.82
35.04368	7147.755	384.5441	10988.15
34.62178	7172.766	386.8817	11031.37
40.42978	7663.625	407.7977	11695.76
42.87847	7972.893	422.6016	12118.53
31.93415	6860.003	371.6077	10591.41
36.34935	7044.17	376.0909	10825.53
38.66986	6914.545	366.7362	10678.55
28.99107	6558.852	357.1495	10163.88
29.04925	6519.703	354.1879	10095.8
29.24704	6490.656	351.7953	10045.86
29.94939	6545.393	354.1979	10122.96
33.64069	6805.528	365.2382	10491.79
36.23948	7005.408	374.0075	10774.03
38.70209	7194.814	382.3173	11041.49
44.08182	7417.536	390.1137	11382.61
53.82525	8069.003	418.208	12323.67
37.27459	7116.277	379.2559	10927.1
37.852	7113.509	378.5576	10928.5
41.68078	7498.871	396.553	11463.38
39.18891	7116.017	377.5048	10944.22
45.52164	7085.143	377.9673	11190.86
33.51645	6851.755	368.144	10555.26
34.42352	6738.191	360.5751	10408.91
34.32409	6674.516	357.023	10324.25
22.22069	6010.816	334.3454	9426.78
30.73929	6705.98	363.6066	10367.43
33.9987	6651.651	356.0232	10291.39
38.98366	6985.458	370.4236	10773.48
42.50539	7176.243	378.1661	11056.9
40.50726	6817.086	366.0172	10750.21

49.65757	7664.236	399.4796	11762.43
50.7424	7626.995	398.9048	11801.28
54.12216	7857.647	408.742	12130.26
46.71485	7055.284	377.7742	11241.51
54.53725	7997.177	414.021	12243.79
56.77351	8431.214	435.3167	12813.64
52.72898	8203.097	425.9407	12476.74
49.69652	7555.619	395.8607	11699.48
46.62262	7086.093	378.6967	11253.78
52.28729	8286.28	430.6113	12575.16
34.24015	6939.614	372.6206	10682.18
38.65276	7158.356	380.3314	10993.86
40.58632	7473.408	396.3609	11427.78
30.13966	6607.91	358.0599	10218.97
41.14881	7259.751	383.8	11149.04
52.94798	8195.972	425.4231	12470.63
57.15942	8665.986	447.2779	13110.01
52.77891	8159.767	423.6308	12423.26
43.81415	6782.968	367.6505	10929.86
55.17003	7966.223	413.1635	12256.91
53.44288	7588.852	398.775	11920.76
35.35134	6242.163	345.8895	10158.97
33.15799	6055.205	339.0998	9939.003
34.20256	6708.153	359.0691	10367.55
31.55888	6581.867	354.4875	10180.81
36.25654	7085.833	378.7296	10885
32.54731	6927.474	374.8787	10686.67
22.73328	6067.341	337.4497	9514.718
24.24255	5957.085	325.4691	9293.433
27.18258	6056.359	331.0558	9520.459
24.19283	6162.085	340.0479	9619.721
27.29768	6406.757	350.1632	9949.522
31.45011	6895.514	375.029	10658.15
24.54338	6345.204	351.8564	9915.166
20.21744	5847.092	328.0984	9219.77
30.227	6115.355	336.8089	9762.977
33.30205	6436.778	348.1429	10103.66
34.11964	6945.016	373.1675	10691.68
12.29046	5164.022	294.6783	8202.661
2.488725	4285.774	258.6506	7060.949
17.52292	5592.104	314.4081	8819.908
22.96097	6051.367	334.877	9461.79
29.17351	6596.432	359.4204	10222.77
32.08327	6913.504	374.8865	10673.32
22.62457	6108.64	341.4306	9605.738
25.06596	6290.6	347.8687	9828.97
31.49716	6615.309	356.5175	10225.11
26.94671	6349.62	346.7219	9858.286
29.04336	6303.424	340.7964	9790.951
35.39967	6282.626	346.9343	10179.52
36.32792	6234.537	346.6571	10217.31
35.08698	6224.11	345.1751	10134.27

25.4323	6183.777	338.1428	9613.7
24.37505	6191.962	341.9824	9670.421
26.84574	6179.895	335.951	9611.663
33.53957	6304.299	345.3494	10065.86
29.62587	6554.865	355.4208	10141.72
19.63311	5834.871	329.2895	9233.68
22.94411	6122.286	341.7322	9620.897
26.81106	6366.201	348.3832	9893.286
32.32048	6677.792	359.2576	10313.56
38.30916	6922.247	367.4649	10684.83
28.46791	6546.434	357.5373	10157.6
29.78821	6730.47	367.4778	10430.89
27.51955	6513.113	357.6309	10131.66
26.21235	6342.39	348.2721	9872.862
32.59936	6792.975	365.8735	10475.04
32.12084	6997.992	380.4563	10806.18
38.5788	7497.273	400.4991	11469.02
32.34299	6977.945	378.6452	10769.84
34.00388	7010.835	377.606	10793.55
48.6649	8106.486	423.8421	12311.66
53.35777	8345.865	433.0223	12662.93
60.0296	8862.421	455.6906	13391.43
53.47539	8402.777	435.9293	12735.41
45.34637	6961.837	374.0444	11113.07
44.80046	7770.009	408.7641	11842.75
31.591	6869.262	372.9455	10613.02
39.56091	7244.073	384.2845	11113.09
44.67638	7878.908	415.0839	11990.14
37.65438	7432.229	397.9549	11381.95
45.42128	7454.35	391.1225	11444.94
51.16477	8686.532	453.2919	13086.55
30.96879	6888.812	375.6673	10659.07
34.27654	6942.558	372.7498	10686.29
48.61509	7807.309	407.7817	11929.3
45.61889	7933.692	417.1803	12066.8
39.37227	7451.959	396.6551	11400.24
43.05494	7455.283	392.9581	11419.38
47.96686	8288.096	434.5801	12548.82
43.69852	8207.961	434.2062	12423.46
44.44018	8047.624	424.9539	12219.08
36.9635	7543.82	404.8439	11530.76
35.91141	7240.936	388.9425	11117.6
40.29224	7752.207	413.2299	11821.21
28.28212	6759.154	370.326	10465.53
30.91921	7096.38	385.5671	10908.98
43.69311	8357.737	441.6766	12607.78
36.07232	7678.522	411.8282	11684.22
38.16693	6583.036	357.4114	10490.98
42.1537	6743.826	365.3427	10813.42
41.85361	6760.464	365.5883	10804.11
38.66885	6996.176	371.2837	10784.16
37.70214	7255.816	387.1191	11125.69

49.44753	8529.396	446.3982	12873.21
58.67707	9338.75	481.5989	13975.43
64.85628	9057.828	462.9837	13699.55
59.1646	8527.367	438.8955	12965.47
48.54466	7588.302	396.1631	11652.65
47.37755	8132.208	426.5084	12339.24
38.70776	7433.283	396.4539	11376.47
42.51384	7762.918	410.9189	11829.51
48.94395	8265.312	432.3498	12522.98
57.29835	9439.056	487.9117	14089.58
51.53245	8808.267	459.5548	13246.84
44.56478	7940.544	418.7135	12073.64
37.49903	7328.597	391.86	11232.59
31.9083	7045.327	382.805	10860.71
30.79742	6935.784	377.962	10713.47
45.15927	8016.193	422.3412	12177.08
50.43563	8363.599	436.356	12660.69
54.77094	8664.44	448.9465	13083.44
56.91861	8390.607	433.1191	12765.22
58.32614	8033.403	416.6442	12461.4
60.94507	8572.97	440.2509	13046.86
46.43359	8329.21	438.5406	12600.14
52.69483	8705.292	452.8859	13119.79
61.81809	9736.882	499.9832	14504.28
61.64842	9683.46	497.3337	14435.93
62.30018	9400.258	482.1578	14089.64
60.49956	9577.395	492.6807	14292.21
60.01588	9496.453	488.8238	14186.15
64.17659	8713.605	445.75	13266.84
59.42141	8707.576	448.0579	13191.82
56.10386	9006.104	466.0849	13531.48
59.03	9299.791	479.2773	13929.56
60.17885	8928.63	459.0159	13475.22
50.29661	8493.672	443.6004	12830.17
52.4612	8714.798	453.61	13130.58
57.28834	9212.808	476.0735	13804.1
60.46383	8676.266	445.8398	13167.55
49.07785	7624.681	397.752	11705.25
48.50777	8066.881	421.7964	12258.32
55.82614	8718.654	451.02	13162.54
60.6522	9186.606	472.1707	13804.11
57.69264	9146.298	472.2364	13723.35
53.51303	8591.61	446.0563	12979.08
55.53331	8792.614	455.1845	13254.22
64.12103	9061.835	463.5892	13693.96
67.2161	9264.223	472.2454	13986.79
67.35813	9057.904	461.6815	13736.22
67.91254	9347.641	476.1194	14099.08
64.10278	9434.562	482.7488	14153.78
60.94617	8600.767	441.6813	13081.17
62.73432	8519.436	436.9017	13024.45
60.33531	8207.586	423.8438	12681.25

54.11439	8673.199	449.9437	13089.02
54.63298	8812.526	456.9776	13272.07
62.71983	9243.442	473.7505	13899.35
67.09789	9131.931	465.5788	13823.03
63.62608	8791.83	450.0405	13354.95
61.16624	8190.233	423.2032	12706.88
56.28517	7819.969	408.0506	12215.13
58.85096	8717.871	448.9293	13196.8
61.35003	9057.88	464.9951	13651.19
64.2839	9369.966	479.3044	14076.04
66.86802	9422.619	480.4891	14175.8
60.9512	8323.695	428.6186	12795
60.32437	8666.039	445.3919	13152.97
67.69022	9081.581	462.7173	13770.15
67.53636	9675.496	493.0199	14495.53
64.87071	9336.934	477.2459	14042.8
67.73913	9334.57	475.5463	14080.55
71.26984	9303.796	472.2164	14095.6
71.73487	9059.626	460.0055	13844.66
66.75075	9014.602	459.7869	13674.17
64.38192	8446.77	433.8499	13042.95
67.11463	9164.019	467.2022	13862.58
71.57856	9557.69	484.8876	14409.93
73.49332	9938.957	503.1529	14903.1
73.48544	9068.176	459.7148	13917.19
71.02894	9155.273	464.8271	13910.72
55.0249	8782.041	455.0269	13236.26
55.93769	8727.769	451.4201	13175.24
64.0693	9087.249	464.9176	13724.46
69.41585	8864.372	451.5546	13588.08
69.23659	9511.354	483.7336	14318.65
68.80139	9691.944	493.1345	14533.18
63.18914	9631.31	493.5177	14387.14
61.76185	9279.087	476.2297	13932.35
62.1071	9117.886	467.6295	13735.4
66.70743	9440.765	481.5004	14195.74
70.63333	9520.07	483.4593	14349.92
71.8276	9709.313	492.4167	14598.53
62.40988	9639.032	494.4674	14388.29
58.1603	9187.565	474.047	13779.83
58.39675	8928.698	460.2398	13455.16
62.47029	8994.395	461.0584	13587.76
67.59191	9136.796	465.5729	13836.28
68.20994	9150.062	465.9339	13861.69
65.08766	8746.865	446.9843	13321.16
67.95701	8944.106	455.6015	13605.89
68.88637	9452.822	480.9488	14241.98
70.08065	9316.772	473.4513	14093.45
71.66499	9497.731	481.818	14338.12
71.44408	9349.21	474.4264	14153.65
68.28793	9650.827	491.3296	14475.62
69.26786	9948.496	505.9138	14853.35

69.91254	9869.653	501.5423	14766.01
71.44664	9217.067	467.7521	13992.52
71.55721	9357.275	474.7792	14165.2
71.72312	9132.787	463.4804	13907.24
73.81071	9275.234	469.6531	14112.26
74.85256	9592.216	485.0581	14501.86
77.38947	9809.2	494.7797	14804.86
73.91711	9628.553	487.3239	14531.68
67.84569	9530.056	485.4206	14321.36
66.30617	9378.832	478.5672	14114.12
69.18874	9603.483	488.4279	14430.56
71.81076	9932.926	503.7134	14870.52
75.25501	9725.988	491.5902	14670.71
73.86532	9830.682	497.5188	14776.88
66.27957	9407.201	480.0268	14148.52
65.48039	9344.509	477.2745	14060.32
71.98785	8965.951	455.4599	13773.37
75.02392	9534.616	482.0855	14434.48
70.8474	8814.132	448.7511	13600.9
70.94725	9149.657	464.5818	13902.61
70.7185	8990.264	457.0473	13745.73
73.9967	9428.046	477.1993	14288.9
76.68528	9360.51	472.5449	14292.51
70.3229	9074.231	461.0622	13800.97
63.61118	9081.561	464.8818	13711
62.49436	9053.252	464.0648	13660.56
62.82608	9050.256	463.7213	13661.49
64.24796	9071.403	464.0086	13707.52
67.39722	9339.81	475.993	14081.99
68.54129	9714.362	494.4222	14556.97
72.81845	9244.503	468.499	14047.14
71.51005	9287.686	471.2881	14079.61
71.8625	9379.041	475.7315	14196.39
72.43365	9554.103	484.2869	14418.44
71.9755	9620.558	487.8638	14492.54
74.2445	9755.927	493.5743	14691.66
75.11192	9995.194	505.1787	14995.8
71.07952	10146.28	514.8978	15119.43
71.66326	9597.18	486.8392	14459.36
70.24625	9133.938	464.1192	13872.7
70.30723	9036.174	459.2938	13768.18
71.82939	9066.077	460.2806	13853.86
73.03225	9292.982	470.8434	14109.51
69.93439	9209.268	468.0819	13959.95
63.49895	9072.987	464.5057	13698.88
61.56652	8981.415	460.9124	13559.25
63.34926	9177.332	469.9348	13825.12
69.64093	9252.814	470.4306	14008.72
71.53027	9421.603	478.0402	14243.24
70.14668	9516.052	483.5027	14337.79
67.08649	9408.791	479.667	14161.99
68.61944	9464.202	481.6655	14251.99

70.84927	9601.79	487.4814	14452.86
67.88125	9532.845	485.543	14325.29
65.90013	9074.951	463.3012	13735.66
67.88573	9314.358	474.4428	14057.95
70.43903	9505.522	482.8217	14329.27
71.70699	9766.526	495.3657	14666.51
72.62698	9837.755	498.4914	14766.96
72.51321	9896.199	501.4955	14836.48
73.01344	9833.794	498.0975	14767.89
74.11354	9918.406	501.8097	14887.37
72.8212	9852.792	499.1513	14788.17
72.73408	9913.525	502.2562	14860.86
64.20573	9363.642	479.0268	14067.21
54.63716	8844.785	458.6998	13313.46
48.23027	8391.343	440.0337	12686.65
48.32577	8212.782	430.0444	12450.47
50.49732	8368.791	436.5839	12667.88
52.19922	8452.206	439.6311	12788.47
54.39154	8569.736	444.1771	12958.56
56.09502	8641.361	446.7095	13066.67
57.15332	8827.098	455.7801	13313.62
60.56541	8903.906	457.511	13449.94
63.70617	9117.946	466.6911	13757.07
61.23461	8677.062	445.4483	13179.37
67.57241	8553.546	437.9392	13259.19
68.10069	9142.217	465.5906	13850.47
57.19029	8762.156	452.318	13231.61
63.48399	8496.545	435.9905	13041.53
62.34051	8956.049	459.1642	13538.73
54.42597	8404.181	435.376	12749.19
55.51032	8337.93	431.23	12680.89
58.63633	8462.626	435.8498	12878.04
62.51592	8741.201	448.041	13276.65
61.25122	8159.001	421.9304	12687.71
58.8779	7922.883	412.3824	12409.33
63.45976	8309.778	428.1031	12897.88
59.51182	8687.405	446.963	13168.12
47.90137	7991.922	418.1985	12155.29
47.99324	7867.217	411.4165	11997.35
53.34262	8106.345	420.4654	12363.87
57.29848	8392.417	432.9881	12772.64
61.0168	8744.574	449.0446	13259.57
64.16004	9064.776	463.7181	13698.13
55.26717	8369.609	433.0337	12717.08
61.26453	8679.226	445.543	13182.46
65.83365	8888.788	453.8457	13506.36
67.97589	9195.873	468.3785	13914.27
60.80153	8811.61	452.6189	13339.28
55.35209	8375.967	433.3124	12726.1
57.20407	8333.976	430.0089	12698.88
62.3892	8732.102	447.6428	13263.63
59.11695	8198.516	423.2798	12616.45

54.47766	7807.773	407.0655	12116.17
59.99865	8184.608	422.8795	12648.77
61.36737	8491.129	435.8115	12951.99
62.27018	8339.651	429.3859	12867.9
57.41294	8504.349	438.7303	12912.97
46.64368	8019.101	420.9289	12185.23
51.16633	8039.857	418.3764	12252.85
46.59679	8065.863	423.5968	12247.66
38.78818	7459.209	397.9008	11413.2
48.11045	7960.762	416.3232	12116.64
54.83153	8189.422	423.8936	12487.11
59.46217	8259.118	425.7555	12676.57
55.23228	8094.198	418.681	12374.05
58.74797	8210.382	423.6602	12606.74
59.06723	8386.533	431.6704	12789.93
48.23824	7673.534	400.9106	11756.17
49.76667	8045.821	419.6536	12243.16
49.25273	7962.801	415.6081	12132.66
42.17063	7733.193	409.6145	11788.66
43.70311	7819.972	412.8056	11908.24
52.975	8245.289	427.9958	12532.56
55.59423	8419.081	435.4098	12782.89
59.55882	7895.292	411.3077	12420.42
64.24551	8474.477	435.0439	13058.46
63.47244	8751.868	448.0757	13303.58
52.19761	8279.291	430.3046	12565.32
48.49874	7399.681	389.9399	11539.4
54.1891	7751.008	404.8901	12064.11
51.89106	7779.546	404.8396	11959.53
59.95756	8107.723	419.7971	12591.34
64.92615	8335.858	429.007	12979.63
47.19477	7050.951	377.8951	11265.37
42.0218	6586.299	360.7134	10725.35
39.10287	6960.65	368.9467	10742.66
43.30707	7305.778	384.626	11231.43
42.97527	7560.556	398.7568	11552.91
52.25813	7934.795	412.1308	12135.38
63.44588	8605.013	440.5687	13122.58
54.889	7650.521	401.4182	12033.22
47.11795	7045.705	377.6875	11258.2
45.8785	6877.557	371.7365	11059.99
48.507	7112.718	380.5312	11257.46
40.43687	7481.503	397.0249	11439.36
26.25069	6363.134	349.8051	9909.97
29.51241	6499.674	352.0054	10059.21
35.36694	6967.606	372.7302	10717.69
34.75509	6776.511	362.444	10462.02
35.33605	6950.56	371.7918	10695.11
38.17454	7154.239	380.5372	10984.19
42.35536	7494.02	395.6406	11461.56
42.2609	7195.911	379.4244	11079.28
52.46447	8019.454	416.4553	12243.9

57.66181	8470.773	436.8397	12874.72
42.76089	6711.035	364.8285	10831.92
30.53066	6676.201	361.9891	10323.14
26.13092	6352.663	349.3456	9895.61
32.78638	6906.385	373.0223	10649.68
34.24915	7108.156	383.4268	10938.64
27.971	6594.58	362.4498	10258.47
18.75856	5705.532	320.6369	9001.882
22.82756	5684.721	317.0325	9073.521
21.6015	5887.184	325.1273	9195.409
21.43027	5881.462	325.0557	9187.755
38.09379	7324.926	390.7708	11223.72
43.56894	7512.608	395.6686	11498.01
26.21837	6290.702	344.1356	9776.01
15.38152	5414.284	310.793	8669.625
28.26907	6591.462	361.3794	10242.16
31.36142	6848.63	372.0402	10584.9
30.42203	6752.072	367.4931	10449.92
26.33226	6431.821	354.9987	10034.27
32.7361	6902.071	372.833	10643.74
33.58824	6774.003	363.4767	10449.76
32.20898	6775.305	365.408	10452.73
41.03644	7593.372	402.8611	11595.44
34.55522	6804.672	364.2507	10497.45
33.14801	6879.981	370.6229	10603.34
31.23919	7044.256	382.9846	10850.44
24.56848	6142.528	337.0082	9559.971
18.50639	5681.287	319.2603	8962.29
24.34273	6232.181	345.6174	9754.383
32.29767	7221.67	391.1248	11079.43
29.60161	6552.923	355.3355	10139
35.34583	7239.02	389.7883	11121.33
30.08865	6746.103	367.8527	10448.6
22.42515	5926.823	326.3259	9250.468
20.661	5853.639	325.8869	9182.558
29.53509	6559.004	355.9131	10150.68
45.02862	7446.344	390.9736	11430.15
52.91803	7910.315	410.4364	12113.55
55.42091	7501.525	395.9933	11959.58
36.21328	6988.307	373.066	10751.48
35.41898	7018.764	375.7854	10791.11
43.88235	7742.727	408.1824	11802.97
32.84165	6840.591	368.5838	10546.2
28.10225	6412.381	348.5441	9935.139
32.77592	6103.464	339.7832	9933.271
35.80479	6217.374	345.7311	10120.24
26.23516	5991.707	328.2763	9427.825
14.45035	5330.599	304.8109	8501.189
23.46045	5885.379	321.9694	9190.443
23.8186	6050.084	332.0945	9425.056
27.47025	6299.081	342.4657	9777.9
35.88358	6903.447	368.579	10637.83

48.63253	7830.018	408.979	11958.11
40.78325	7058.741	373.0341	10887.02
40.53222	6707.377	362.9892	10697.79
53.18584	7534.229	396.7368	11872.63
44.1991	6846.376	369.7996	10985.52
32.46569	5933.569	335.5522	9845.107
36.92991	6424.274	352.0547	10339.85
37.14591	6439.023	352.6484	10360.22
36.44572	6242.582	346.97	10228.21
30.71379	5925.465	333.3569	9725.731
25.24313	6102.751	333.3096	9500.107
19.78779	5760.153	319.9091	9017.528
24.08145	5990.294	327.8363	9340.238
28.73787	6338.296	343.2563	9836.722
31.45751	6662.928	359.3569	10288.52
49.76881	7935.939	413.8227	12105.16
51.95914	7339.229	389.4731	11687.21
50.04139	7161.887	382.7697	11441.63
45.73368	6895.492	372.2187	11026.17
49.65375	7330.15	388.2723	11561.83
35.20866	6780.396	362.2307	10470.92
36.69344	6856.349	365.1679	10583.51
33.21271	6596.417	353.608	10212.01
28.63903	6486.519	352.7313	10049.46
28.65902	6444.829	349.7838	9981.309
32.81409	6291.95	344.1594	10011.42
29.69719	6361.129	343.5075	9872.868
26.31958	6342.806	347.979	9869.185
28.00664	6547.127	358.812	10173.94
34.77156	6792.059	363.3162	10482.59
39.79125	7024.884	371.9502	10832.77
35.6425	6944.698	371.1531	10689.83
37.35361	7191.474	383.6763	11033.89
29.0307	6606.172	360.4696	10243.29
20.44453	5914.885	332.827	9341.23
39.39769	7751.778	413.8728	11814.08
56.43547	8609.566	444.8015	13030.54
53.27148	8786.958	456.7761	13229.14
42.56464	7363.584	388.3476	11297
46.78461	6985.835	375.6091	11206.06
58.88053	8034.2	416.7619	12488.38
54.74754	8404.362	435.178	12753.55
50.53084	8059.799	419.8616	12269.97
43.17722	7707.654	406.9512	11753.67
46.29702	7778.961	407.9456	11866.34
62.02469	8649.39	443.5934	13156.53
46.5125	7693.803	403.2123	11761.05
25.54147	6374.465	353.1059	9966
28.29838	6635.738	364.5664	10318.06
36.12066	7326.704	393.945	11242.43
42.10114	8121.522	430.7741	12299.11
44.91246	8042.535	424.1137	12212.42

53.18962	8503.224	441.5639	12862.43
52.22648	8604.105	447.8317	12985.62
42.93002	7933.012	420.2343	12063.53
48.76169	8520.842	446.6386	12859.61
51.65685	9088.274	473.7246	13596.55
55.91809	9220.314	477.6295	13803.08
56.39052	8831.427	456.5819	13311.61
56.14233	9042.625	467.9938	13578.33
50.70969	8472.739	442.0672	12805.07
57.53096	8357.281	431.0286	12732.27
55.20043	7931.234	411.8804	12235.22
54.03522	7777.574	405.7982	12073.49
58.32487	8624.918	444.434	13074.65
55.92147	8693.497	449.6098	13131.39
43.40968	7885.97	416.9356	11998.47
39.31137	7621.275	406.8675	11641.58
43.1283	7928.652	419.7342	12057.24
47.00205	8202.961	430.8445	12432.3
49.53099	8176.547	426.9176	12409.49
50.01187	7954.013	414.6147	12130.85
55.92622	7980.765	413.9928	12305.87
49.46717	7539.967	395.1931	11677.15
44.70883	6992.535	374.5659	11093.42
49.51297	7895.036	411.8274	12050.63
48.76978	8196.295	428.706	12430.93
54.25046	8937.306	463.9865	13429.33
58.99071	8461.353	435.5818	12881.4
47.61372	7545.693	394.5065	11587.2
38.72212	7453.433	397.6473	11405.27
43.73179	8512.255	449.3599	12798.45
49.39122	8769.318	459.0244	13178
56.24568	8852.566	457.8157	13337.17
59.27244	9000.251	463.3805	13554.84
59.65218	8860.258	455.8052	13383.66
60.91455	8709.321	447.2875	13214.65
55.08363	8883.817	460.4126	13366.99
60.20192	9586.356	493.38	14300.69
50.58768	9072.911	473.5974	13566.18
41.34902	8114.583	430.8237	12281.93
42.39638	7971.805	423.1717	12118.37
53.83501	9156.962	475.8393	13704.37
62.65304	9507.123	487.4579	14226.71
66.66243	9604.087	489.8855	14396.04
59.60097	8955.197	460.7923	13501.84
50.06887	7958.251	414.8004	12136.87
46.84206	7959.03	417.3693	12105.74
52.3537	8525.022	443.4405	12884.02
51.52767	8396.785	437.1986	12711.44
51.93635	7745.557	403.6767	11940.74
54.49299	7493.729	395.586	11825.38
61.91189	8093.014	419.1943	12667.82
67.01302	8971.666	457.4696	13625.46

67.52048	9193.783	468.5058	13905
68.7662	9380.278	477.3322	14151.51
67.21502	9140.462	465.9523	13835.21
66.86462	8505.222	435.9773	13192.15
65.04088	8528.766	437.3221	13135.18
59.18664	8609.42	443.1236	13067.24
57.10252	8687.307	448.4211	13135.71
60.02358	8698.473	447.2368	13188.85
61.38739	8771.941	450.2435	13298.52
61.74193	8741.874	448.4997	13266.45
61.70936	8412.467	432.3482	12896.29
67.62114	9045.528	460.92	13724.98
68.20344	9369.569	477.0807	14130.16
69.48212	9369.723	476.4315	14149.19
69.01468	9335.204	474.9193	14100.07
70.39965	9600.214	487.6313	14444.29
66.1378	9213.861	470.2542	13909.45
53.47655	8588.569	445.9229	12974.86
63.43546	8836.219	452.4153	13406.79
67.39516	9246.617	471.2564	13967.85
72.7526	9240.01	468.3027	14040.65
73.40875	9247.806	468.4646	14072.78
74.41619	9526.507	481.9575	14415.19
63.75451	9563.18	489.6127	14309.02
62.87311	9178.601	470.2949	13820.6
72.74805	9442.176	478.4937	14286.86
75.66033	9720.273	491.1143	14670.01
71.61813	9560.633	485.0165	14414.12
68.41223	9416.839	479.3709	14191.04
71.70417	9168.476	465.1784	13937.23
73.07355	9499.294	481.2173	14361.41
65.01371	9429.003	481.8959	14158.48
55.59791	8994.141	465.8665	13512.11
63.53615	9309.477	476.6492	13991.57
67.85001	9155.461	466.39	13862.95
63.48882	9014.179	461.4999	13626.41
65.95125	9320.896	475.81	14038.03
70.40935	9470.749	481.0778	14286.38
70.30621	9528.077	484.03	14354.83
58.97659	9188.715	473.4855	13789.1
63.40687	9123.902	467.1652	13760.2
72.05447	9760.037	494.8616	14663.74
73.85349	9864.094	499.2058	14817.37
74.15983	9611.763	486.3644	14514.96
70.66985	9392.065	476.969	14194.23
67.36361	8465.284	434.0531	13179.49
72.84412	9135.327	463.2341	13952.64
63.96669	9304.793	476.1391	13991.22
63.60762	9315.259	476.903	13999.64
69.80379	9683.658	492.1642	14537.46
70.93762	9953.413	505.2189	14882.69
73.70512	10084.62	510.3726	15082.87

74.18755	10218.96	516.8751	15252.63
74.3325	9831.581	497.3361	14785.04
71.99083	9621.705	487.9141	14494.17
74.73823	9549.302	482.9546	14447.9
75.69154	9863.528	498.2893	14844.58
75.02234	10190.1	515.003	15230.53
71.1162	10376.14	526.5035	15399.63
68.94241	9488.878	482.7478	14286.88
72.929	9691.946	490.9928	14593.86
75.75796	9692.049	489.6528	14637.23
75.56031	10100.05	510.2237	15130.01
75.09858	9749.542	492.8466	14696.94
75.95703	9600.188	484.9528	14528.71
74.92841	9458.185	478.2893	14340.06
75.086	9214.395	466.0947	14104.21
75.30648	9007.663	455.7016	13924.97
74.95207	9316.149	471.1987	14191.09
76.04349	9353.668	472.5462	14264.06
75.2415	9040.189	457.3605	13952.26
75.22097	9513.454	480.9329	14411.82
74.9403	9633.337	487.0834	14553.22
73.81985	9827.231	497.3675	14772
68.81333	9447.28	480.7058	14234.13
67.49745	9502.737	484.2212	14282.93
69.86853	9624.186	489.1193	14465.76
73.66316	9404.778	476.1822	14255.41
71.21105	8949.91	454.9955	13730.41
70.83084	9207.188	467.5447	13971.03
70.62144	9257.9	470.209	14029.74
72.27393	9170.372	465.109	13961.33
72.71033	9270.853	469.8767	14077.57
71.8923	9481.093	480.8672	14321.26
72.67815	9572.034	485.0722	14444
74.5627	9710.242	491.1254	14640.94
71.75268	9271.498	470.356	14063.59
67.76231	8418.507	431.814	13156.65
70.34069	8742.551	445.6123	13521.42
71.53297	8897.918	452.4173	13697.91
72.94369	9216.072	467.0894	14027.11
74.94254	9352.464	472.9998	14223.41
74.39252	8945.253	453.2106	13839.19
73.04866	9149.286	463.8294	13972.55
72.09257	8677.262	441.6528	13527.27
70.90499	8586.896	438.0658	13354.35
73.10398	9079.112	460.4175	13913.01
67.88007	9032.596	460.1339	13713.03
68.6313	9148.674	465.6527	13866.29
64.25245	9130.556	467.0308	13780.27
60.08783	8866.93	455.8884	13397.79
68.17056	9147.234	465.8102	13857.65
72.24301	9272.217	470.1623	14072.01
59.10773	8160.843	421.7903	12589.19

51.92985	8165.971	424.5175	12420.27
55.2251	8242.478	426.4246	12558.39
59.22771	8397.728	432.1598	12806.05
62.43256	8564.351	439.0105	13057.69
65.79752	8432.365	433.0196	13091.06
67.0889	8557.539	438.2463	13243.23
66.73797	8755.619	447.1007	13387.96
69.21391	8517.644	435.7032	13291.62
67.5926	8887.943	452.9259	13531.64
62.48633	8853.096	453.7988	13414
57.73006	8103.868	419.2431	12481.45
55.83464	8336.773	430.9709	12683.78
63.8191	8408.352	432.2508	12988.91
71.47496	9152.837	464.4954	13914.61
70.01911	9279.969	471.619	14047.58
58.42949	8659.237	446.1483	13118.55
60.3447	8612.707	442.6312	13087.41
64.55347	8828.387	451.4225	13413.39
59.04976	8652.811	445.4467	13119.02
50.44657	7941.625	413.6644	12120.7
57.07928	8350.822	430.9569	12718.06
67.04072	9004.444	459.1231	13666.03
70.17641	8768.323	446.8757	13537.04
69.61443	9025.893	458.951	13731.08
66.58371	8708.085	445.0125	13343.26
70.23081	9030.959	459.0678	13760.68
72.09151	9295.136	471.3893	14097.61
73.34191	9654.762	488.9188	14554.82
73.23004	9612.508	486.8449	14501.67
70.92409	9246.509	469.4875	14020.44
67.99804	8619.606	440.7873	13329.75
68.96391	9013.321	458.6254	13705.8
72.70934	9405.69	476.6731	14241.82
72.60316	9566.534	484.8314	14436.16
70.4336	9439.988	479.5098	14249.18
70.56907	9286.826	471.697	14064.25
72.99298	9866.092	499.7349	14806.92
67.38096	9431.59	480.6676	14194.14
51.08589	8505.321	443.4969	12849.85
48.08148	8032.745	420.2978	12210.54
60.79168	8479.195	435.5059	12928.97
66.33004	8394.707	431.2361	13082.49
51.10481	7853.748	408.5869	12018.91
51.45127	7809.489	406.0314	11968
57.64432	8261.235	425.9808	12614.81
63.83569	8150.338	421.2935	12791.54
64.78436	8785.373	449.1054	13363.95
46.58258	7780.542	407.8155	11871.57
44.96511	7559.185	397.1141	11572.69
47.05791	7548.736	395.0468	11584.16
45.47479	7398.661	388.0829	11374.95
43.00645	7377.43	388.756	11319.49

43.49202	7506.81	395.4144	11489.79
46.18564	7750.215	406.4853	11828.7
54.36895	8204.924	424.9887	12500.26
58.38496	8470.987	436.4274	12884.91
57.38155	8398.424	433.251	12781.22
54.89201	7576.596	398.6962	11984.45
63.31663	8124.121	420.2962	12602.26
60.66747	8119.148	420.2989	12632.16
53.95493	8150.625	422.4037	12427.14
52.12351	7878.911	409.2726	12063.74
54.31696	8152.473	422.2766	12434.24
48.57708	7654.716	399.6797	11736.69
56.1681	8071.39	417.4862	12379.58
59.08425	7974.017	414.4117	12455.14
45.87686	7806.71	409.7599	11896.81
51.91543	7956.924	413.5126	12158.58
50.29301	7188.353	383.7503	11509.76
48.9657	7097.697	380.2248	11386.92
51.38767	7281.644	387.3019	11542.05
60.22159	7866.475	410.1219	12428.63
64.58994	8919.706	456.0699	13526.08
42.50987	7894.565	418.5476	12011.33
46.01207	7007.294	375.8588	11175.55
44.31231	7039.7	375.7077	11095.7
35.1776	6909.179	369.5952	10639.61
25.96973	6253.594	341.8841	9715.833
38.10674	6940.335	368.6464	10706.25
45.5625	7273.493	383.8282	11297.08
46.47592	6918.361	373.3199	11114.76
50.64876	7360.998	389.7632	11633.41
38.14705	7255.658	386.4938	11123.52
35.62205	6297.812	347.5404	10200.39
40.24601	7244.979	383.7403	11120.9
35.23824	6826.284	364.8152	10531.36
41.11911	6821.716	366.7091	10790.44
53.3615	7583.296	398.5494	11913.05
42.83922	7439.131	392.2502	11396.46
53.51944	7399.442	391.9878	11760.49
49.32243	7706.713	401.9527	11811.53
44.15922	7365.661	387.2444	11317.48
46.38042	7623.145	399.5149	11670.11
40.68819	7243.342	383.2774	11123.23
37.04029	7035.984	374.9651	10820.63
54.40225	7487.532	395.344	11817.1
48.50515	7777.882	406.2902	11890.91
35.04349	7147.738	384.5434	10988.12
30.92316	6658.75	359.9812	10287.14
30.05935	6506.192	351.7325	10070.64
33.90196	6811.717	365.3202	10501.82
41.07781	7412.679	392.266	11344.61
51.57604	7313.065	388.4466	11651.59
55.4344	8108.196	419.2927	12394.22

37.11031	6622.364	357.3196	10440.78
38.82915	6516.809	356.2815	10501.4
27.24239	6354.466	346.3125	9857.391
26.3054	6261.402	341.7325	9722.934
33.24659	6888.117	370.98	10614.65
36.87858	6962.008	370.9526	10722.88
41.6371	7206.28	380.4735	11085.66
42.37889	7185.847	378.7853	11067.74
35.88979	7139.44	382.6302	10967.11
32.70563	6653.843	357.4522	10284.34
29.96811	6511.164	352.1371	10076.88
27.928	6344.441	344.6394	9841.66
33.11419	6643.506	356.4303	10273.61
45.93212	6936.87	373.6174	11023.64
45.91211	7074.69	377.9012	11207.4
39.38326	7163.68	379.9824	11007.66
34.27585	6741.609	360.9158	10412.22
31.08883	6497.04	350.0188	10064.33
30.44954	6402.24	345.1173	9932.96
32.5271	6421.07	346.7352	10043.02
32.4599	6609.359	355.1251	10223.51
35.10675	6225.46	345.2285	10136.12
35.6495	6826.849	364.4561	10535.59
32.20536	6788.6	366.3017	10473.77
29.61918	6577.283	357.0262	10179.39
27.54534	6476.317	354.7716	10065.2
30.6898	6566.302	354.5556	10154.84
40.0923	7553.193	401.7158	11541.27
32.45558	6714.378	361.2391	10363.08
30.85041	6529.186	352.179	10105.94
37.90268	6379.244	351.8121	10380.18
35.02687	6926.623	370.7413	10661.35
33.87216	7014.483	378.0761	10800.88
31.90022	6723.652	362.5201	10375.48
40.1911	7581.857	403.2826	11581.4
49.21595	8003.464	417.7953	12183.35
40.83609	7201.923	380.8747	11071.54
31.9785	6664.761	358.8743	10294.04
33.92522	6070.433	340.2752	9994.946
37.70486	6291.431	349.3469	10327.7
34.98158	6735.177	359.868	10409.63
34.24401	6697.05	358.3919	10353.26
30.88691	6011.658	335.4445	9770.052
22.92909	6030.636	333.0315	9417.849
20.47103	5817.759	322.7505	9104.211
18.8547	5618.537	311.7409	8809.679
19.97066	5672.648	313.3941	8884.897
14.16995	5311.807	299.8778	8383.946
14.12881	5281.978	297.3525	8332.101
22.37596	5915.071	325.6301	9233.586
35.94369	6967.71	372.1625	10722.36
32.01566	6840.264	370.1207	10558.61

30.67038	6589.328	355.9397	10185.65
36.17659	6864.966	366.1246	10590.06
38.92236	7079.999	375.7326	10895.08
35.42602	6942.843	371.2626	10685.69
29.92869	6626.032	359.7871	10253.57
32.25646	6738.258	362.8512	10393.61
36.0772	7155.212	383.3224	10988.93
36.35634	7110.801	380.135	10921.23
25.03919	6367.965	352.8581	9950.235
27.41106	6668.799	366.2931	10344.44
31.25421	6749.315	365.5085	10427.38
39.01205	7169.108	380.609	11011.12
33.74862	6929.547	372.7985	10672.23
34.07027	6754.62	361.8671	10427.75
26.97331	6333.138	345.3762	9827.461
19.7679	5738.534	318.4258	8985.127
27.80508	6335.112	344.2303	9828.454
30.73976	6545.539	353.2708	10127.24
26.85919	6360.988	347.8432	9882.032
28.63539	6496.898	353.4977	10067.4
32.08071	6791.901	366.7569	10480.93
31.88429	6528.814	351.0315	10112.19
35.79463	6896.833	368.2892	10628.43
33.27961	6791.344	364.8048	10470.56
31.98923	6864.818	371.819	10598.01
30.64677	6735.14	365.818	10416.95
33.16888	6796.302	365.2111	10476.39
42.81892	6937.754	371.4992	10952.94
55.3991	8279.946	428.2737	12607.31
41.62145	7813.271	414.9811	11900.96
39.20553	7669.408	409.9074	11710.9
30.34005	6636.185	359.6116	10261.44
29.26376	6570.615	357.3549	10176.73
34.94087	6996.298	375.1088	10761.34
43.79649	7897.053	417.1134	12013.68
48.81537	7994.177	417.5891	12166.93
53.03653	7375.735	391.0374	11763.67
26.89804	6286.932	342.4858	9759.5
27.54552	6398.06	348.8483	9925.93
33.94348	6814.89	365.4594	10506.3
33.31229	6850.065	368.3797	10554.96
32.11981	6970.859	378.6449	10763.3
37.89976	7149.052	380.5022	10975.04
35.09268	6484.651	351.5405	10246.15
32.85476	6968.722	376.9988	10745.81
36.01309	7477.848	402.0552	11438.64
36.63969	7051.493	376.221	10837.45
37.81775	7265.357	387.5378	11138.95
38.18771	7277.418	387.7581	11154.75
40.54809	7572.272	402.244	11566.84
42.35055	7511.868	396.6198	11484.33
44.96506	7807.193	410.7042	11893.71

45.76748	8118.68	427.4546	12316.41
51.15553	8482.297	442.1794	12820.27
52.50323	8186.08	425.1947	12452.62
55.28736	8011.293	414.882	12293.08
51.57228	8024.182	417.2802	12238.34
56.59489	7692.885	403.298	12143.53
48.65013	7938.507	414.7443	12094.91
32.80097	7006.153	379.5722	10805.17
43.59456	7925.168	418.9641	12052.12
41.54561	7235.423	382.1439	11122.03
42.47325	7302.033	385.059	11217.34
35.29193	6684.069	356.67	10345.33
38.58999	6574.771	357.6057	10513.81
46.07378	7921.788	416.0422	12052.42
48.13283	8196.387	429.325	12427.83
44.01284	7753.389	408.6505	11817.83
47.12149	8187.738	429.8686	12412.35
50.796	8102.456	421.9356	12326.71
53.66021	7985.33	413.9232	12217.13
50.14126	8254.142	430.6306	12515.43
47.57739	7814.768	408.9158	11926.31
47.79518	7425.862	390.3266	11514.4
53.35564	7471.677	394.5443	11840.92
55.83195	8135.726	420.4958	12433.9
56.31386	7821.927	408.1308	12217.86
59.04615	8267.774	425.9963	12662.23
59.42975	8145.778	421.25	12593.89
59.68945	8274.628	426.4223	12698.79
61.01698	8578.061	440.4736	13054.17
55.43801	7576.819	398.7939	12010.69
58.22625	7804.259	407.7109	12114.04
47.39209	6990.22	376.045	11241.28
43.26112	7691.966	405.9543	11732.26
43.33712	7834.22	414.0477	11927.51
46.53408	7858.266	412.0234	11969.34
49.12172	8417.396	440.5612	12724.4
51.67518	8994.539	468.9817	13480.73
51.07457	8359.393	435.5574	12659.47
57.93248	8542.981	440.4232	12967.87
63.70297	8622.554	441.3348	13147.94
49.99898	7242.45	385.4732	11527.34
47.93614	7757.517	405.6009	11858.35
51.86921	8424.972	438.4358	12750.62
56.05173	8670.982	448.3156	13103.98
51.68791	8439.499	439.3802	12768.16
51.80191	8537.75	444.6129	12896.65
56.06848	9036.049	467.7053	13569.35
62.06305	9342.149	479.3025	14014.49
64.55335	9064.863	463.5073	13703.85
58.31587	8254.992	425.2813	12616.53
57.75325	7957.246	413.5852	12380.61
64.76358	8620.887	441.3084	13194.91

54.10487	8452.157	438.0972	12804.88
64.61234	8891.735	454.6288	13492.05
68.67822	9468.694	481.8625	14258.34
64.16338	8209.737	423.7511	12850.57
56.34041	7564.332	398.4143	12044.28
61.12445	8150.346	421.5761	12675.65
67.16311	8599.61	440.1028	13280.17
70.05996	9185.783	466.8322	13933.17
71.09199	9126.706	463.3541	13876.84
65.22683	8226.823	424.2209	12804.76
61.26591	8197.037	423.4841	12716.41
62.685	8696.13	445.6378	13223.6
68.86173	8826.553	449.9546	13534.38
71.82966	9343.422	473.9496	14152.46
72.8203	9514.893	482.1239	14376.55
71.87564	9346.677	474.092	14157.13
71.2824	9172.696	465.5883	13935.87
70.2939	9202.224	467.5511	13956.8
71.74559	9060.358	460.0367	13845.71
68.66602	8443.229	432.5514	13210.15
63.07347	8867.651	454.222	13440.26
61.84933	9003.312	461.8733	13590.13
66.41746	9295.967	474.2862	14014.13
68.80824	9692.492	493.1586	14533.95
69.36869	9425.387	479.3093	14215.53
56.62395	8624.255	445.4462	13051.23
60.37033	8806.53	452.6075	13327.06
69.41236	9172.317	466.4657	13906.93
72.47368	9147.024	463.9278	13948.76
70.6284	8799.181	448.139	13580.06
73.41937	9558.215	484.0204	14438.45
73.82373	9313.093	471.4947	14146.31
70.00244	9343.461	474.8408	14124.87
64.98526	9126.982	466.4453	13786.3
69.07569	9307.838	473.5011	14067.52
74.53114	9673.271	489.2819	14595.49
75.183	9475.815	479.0598	14365.47
74.53573	9569.628	484.0699	14469.49
74.22962	9444.295	477.9096	14312.28
67.59878	8851.363	451.2852	13502.19
67.16176	9260.154	472.067	13981.02
71.5423	8935.538	454.194	13730.58
68.5515	9427.409	479.8344	14206
61.8032	9169.292	470.4956	13795.81
65.59035	9393.973	479.75	14122.84
72.35672	9649.1	489.1148	14533.05
74.94583	9668.603	488.8525	14596.18
75.04406	9137.603	462.3118	14033.56
74.98861	9207.748	465.8157	14094.82
74.49554	9100.158	460.7661	13981.12
74.24279	9267.748	469.1179	14121.74
73.16134	9193.95	465.9452	14016

76.11037	9358.232	472.7408	14270.57
76.56296	9892.63	499.3395	14893.32
76.91247	9882.569	498.6729	14886.5
75.60521	9857.108	498.008	14835.45
76.02179	9781.83	494.0353	14750.39
74.28495	9379.093	474.6056	14233.82
73.85805	9521.312	481.956	14400.26
72.44308	9420.433	477.5425	14255.7
60.78827	9124.11	468.8172	13727.39
65.51609	9106.891	465.1336	13769.27
65.02171	9099.929	465.0442	13753.61
67.80713	9402.141	478.9433	14164.24
70.66018	9652.799	490.1567	14512.32
72.28397	9970.819	505.3768	14923.57
74.82279	10367.62	524.0053	15441.73
74.29748	10132.06	512.4549	15149.27
74.7586	9933.247	502.239	14915.14
74.48654	9912.461	501.3273	14885.75
75.96389	9919.167	500.9521	14916.35
74.33286	9969.83	504.2873	14953.23
73.43331	9831.992	497.7977	14771.98
67.50316	9842.381	501.5608	14699.93
66.78549	9655.956	492.4662	14461.48
70.09661	9840.178	499.9451	14732.66
72.28875	9644.011	488.8918	14525.82
74.08796	9257.182	468.6637	14106.6
74.44356	9493.833	480.3022	14375.87
75.9383	9952.627	502.6429	14956.61
76.24314	9691.357	489.3956	14643.92
75.961	9529.693	481.4144	14443.13
72.45147	9108.53	462.0912	13914.42
72.75082	9374.878	475.1007	14204.92
74.40354	9629.387	487.1359	14540.15
76.77702	9908.438	500.032	14915.82
74.82709	10042.9	507.7155	15049.52
66.06578	9360.097	477.7448	14087.73
66.13905	9153.214	467.1635	13835.11
65.58485	9142.091	466.8922	13813.45
68.36438	9098.138	463.2211	13800.48
71.11463	9226.987	468.4102	13999.53
75.54593	9571.299	483.6895	14487.19
75.2185	9933.376	502.0222	14922.26
74.61464	9991.647	505.2447	14984
72.20926	8833.148	449.0258	13666.35
67.99827	9197.503	468.4499	13916.6
66.68482	9522.454	485.6942	14295.92
72.75165	9509.928	481.9066	14369.45
63.11504	9130.133	467.6509	13763.8
57.21708	8934.318	461.4036	13450.27
63.42715	8980.545	459.8115	13584.17
68.49619	8801.605	448.8991	13498.96
74.99566	9741.994	492.5161	14686.19

73.09193	9738.066	493.2362	14652.48
67.87212	9500.872	483.9239	14286.02
62.30214	9009.959	461.9533	13604.59
68.11598	8627.658	441.1169	13340.97
64.72435	9048.018	462.5538	13685.61
64.13579	8974.906	459.1351	13587.35
65.27075	8939.012	456.6978	13559.7
62.34927	8928.279	457.7339	13504.65
66.39073	8287.827	426.508	12999.58
73.2125	8864.676	449.9945	13728.44
73.35838	9096.476	461.1462	13937.55
74.53774	9140.006	462.7046	14018.24
72.55569	9327.518	472.8048	14144.22
70.90695	9077.095	461.0671	13827.08
71.51346	9118.481	462.8604	13886.65
73.62445	8855.833	449.3187	13734.42
72.69554	8903.328	452.1395	13744.49
69.66742	9093.853	462.3675	13814.92
68.85599	9132.935	464.7432	13850.41
70.44728	9180.431	466.375	13932.53
72.35207	9212.682	467.1092	14001.14
69.69234	9417.433	478.7415	14210.6
67.15607	8673.138	443.3807	13339.23
65.41465	8239.651	424.722	12821.89
64.60319	8609.942	440.8379	13179.23
61.17809	8728.648	448.134	13242.19
57.45366	8481.442	437.5171	12885.12
57.91538	8463.199	436.2976	12868.8
55.3946	8329.385	430.8556	12668.73
57.26982	8338.663	430.214	12705.59
62.77314	8673.717	444.4413	13197.28
62.46544	8766.071	449.3446	13306.55
62.75079	8700.786	445.8414	13230.28
63.43506	8662.253	443.5059	13192.82
50.02078	8216.169	428.6568	12464.82
52.4206	8156.487	423.6924	12414.59
49.63573	7551.47	395.6837	11693.56
41.69806	7521.576	397.8582	11494.98
46.1832	7855.738	412.2199	11964.18
54.32463	8128.687	421.0274	12404.71
51.28735	8026.071	417.5678	12237.1
44.92412	7634.298	401.2025	11667.62
44.90594	7535.29	395.8679	11541.68
53.17194	8117.749	421.1717	12375.87
55.78274	8332.967	430.8042	12678.35
43.01556	7303.853	384.7412	11225.68
40.92051	7365.439	389.8032	11282.42
43.00946	7433.321	391.798	11390.86
43.27022	7452.71	392.6477	11418.42
47.0431	7774.493	407.1501	11869.22
52.202	7578.29	397.9414	11849.93
52.50628	7928.826	411.6622	12131.2

52.70951	8037.05	417.2254	12269.08
56.31166	8245.001	425.9059	12576.23
48.00651	8159.168	427.3839	12377.87
37.56573	7298.448	389.9181	11188.34
41.18067	7605.627	403.3989	11612.36
45.24554	8023.735	422.6722	12187.42
44.36938	7782.522	409.9292	11858.41
39.90492	7287.327	386.3761	11172.12
45.16525	6838.126	370.1302	11035.19
44.5557	7683.725	404.1631	11726.41
39.38778	7230.845	383.7043	11094.39
47.24607	7939.983	415.9183	12082.4
52.42276	8250.109	428.6164	12531.63
51.30327	7822.109	406.7902	11981.86
50.80335	7787.488	405.2773	11931.96
54.33429	8007.67	414.6897	12254.09
58.36867	8496.21	437.743	12915.91
51.76574	8505.094	442.8728	12853.97
34.42418	7216.279	390.0313	11100.32
39.51324	7679.017	410.0194	11722.41
48.43689	8980.756	470.2213	13428.97
56.99567	8576.123	442.7119	12996.39
47.60888	7079.23	379.0142	11304.06
31.5031	5942.184	334.6659	9785.125
32.56225	6656.476	357.7568	10286.84
38.55847	7251.392	385.6885	11116.08
43.10557	7724.226	407.9869	11776.35
42.13853	7621.935	403.1888	11634.53
49.58334	7399.526	390.5618	11599.59
61.52602	8474.02	434.8475	12933.2
55.09285	8455.472	437.6263	12821.62
42.62606	7514.979	396.5603	11491.11
39.3709	7196.158	381.795	11049.46
24.78191	6294.953	349.3064	9853.989
25.30203	6335.868	350.7895	9904.492
36.40944	7268.269	389.8321	11153.08
48.80841	8015.157	418.7108	12193.26
52.20915	7884.842	409.5318	12072.29
57.07074	7873.599	410.2462	12289.89
45.82539	6901.755	372.4633	11034.54
46.79348	6912.229	373.2772	11164.88
58.13394	7770.176	406.3803	12131.64
45.44909	7302.866	384.6448	11306.45
40.80326	7304.13	386.5286	11202.51
35.00719	7033.412	377.3573	10816.59
34.88553	6800.418	363.6823	10494.5
38.36527	6856.614	364.8457	10631.17
31.76723	6766.03	365.6213	10444.97
32.15437	6743.795	363.4044	10403.75
31.31187	6576.082	354.422	10171.54
35.043	6811.966	364.1881	10510.96
48.89527	7763.167	405.2395	11877.18

54.3792	7430.371	393.2504	11863.63
43.30758	7249.686	381.5743	11159.9
41.64533	7645.112	405.1318	11666.86
37.57553	7407.107	396.5431	11346.12
38.08117	7002.698	372.1538	10786.86
47.49884	7071.716	378.7169	11293.78
33.70798	7000.263	377.4522	10781.33
31.26454	6750.184	365.5466	10428.58
28.08517	6411.041	348.4853	9933.255
37.3767	7157.724	381.5763	10984.63
49.83337	7962.782	415.2022	12139.67
43.29007	7379.385	388.6431	11325.11
39.29011	6659.716	360.5506	10597.86
39.00083	7135.243	378.7363	10967.24
40.61459	7376.578	390.6814	11293.76
58.38863	7741.283	405.2533	12259
52.11451	7331.286	389.2409	11608.37
39.64068	6943.642	368.6169	10756.43
38.34613	6363.087	351.7731	10369.44
31.94167	6597.427	354.9807	10204.06
24.10747	6133.899	337.8758	9566.416
33.78506	6932.554	372.9304	10676.41
48.25335	7610.897	397.5599	11677.43
28.14138	6610.588	363.152	10280.08
27.14547	6190.963	336.2502	9628.069
32.41909	6527.498	350.4042	10114.38
21.0078	5996.049	336.3059	9444.727
14.63108	5344.274	306.3509	8541.664
15.67906	5410.255	303.4981	8518.036
23.89575	5683.184	318.8206	9154.973
22.92969	5840.593	319.8305	9125.854
19.62409	5681.182	314.6626	8899.617
19.67229	5671.441	313.8786	8884.628
21.62891	5835.847	321.6168	9120.288
31.3138	6702.891	362.2293	10351.61
17.86853	5628.448	317.2543	8895.94
15.09937	5392.37	303.7622	8500.098
21.92994	5904.822	325.7214	9219.936
31.32508	6703.804	362.2693	10352.88
43.49586	6872.597	370.1023	10958.96
37.72166	6664.092	359.0707	10499.76
40.95668	6597.079	360.2579	10571.84
45.40014	7262.412	383.3556	11281.27
35.06664	6813.7	364.264	10513.43
30.37738	6542.433	353.5087	10121.09
34.36467	6934.337	372.0791	10672.93
37.4796	6759.028	361.2645	10527.24
23.80261	6081.825	334.3432	9474.784
21.1705	5868.62	324.6712	9170.128
23.72533	6008.08	329.526	9365.376
27.28129	6242.741	339.2575	9699.827
40.77057	7426.727	393.3858	11362.13

49.49937	7850.289	409.4606	11994.22
56.80334	8279.804	427.4282	12626.17
58.10285	8018.161	416.0098	12439.96
39.06197	6411.979	353.6703	10435.07
38.9713	6712.241	361.6533	10602.71
28.5955	6493.639	353.3546	10062.86
18.18926	5687.561	322.8441	9037.244
18.73886	5716.804	322.6948	9048.423
28.82459	6663.95	365.1816	10348.21
32.96132	6645.876	356.724	10275.62
33.08526	6654.902	357.1193	10288.5
33.66095	6163.898	342.1954	10016.34
33.70868	6315.843	345.826	10082.03
20.90026	5951.422	334.48	9392.197
26.32432	6439.869	355.6632	10049.62
44.85896	7299.711	384.0466	11268.91
38.63889	7092.005	376.6475	10907.87
36.2472	7036.208	375.7414	10814.32
40.44405	7421.159	393.45	11354.41
43.23863	7003.529	373.7776	11012.51
46.41123	7331.414	386.2985	11379.69
29.82536	6800.276	371.8507	10536.91
32.92781	6961.05	376.3519	10732.62
44.893	7801.363	410.4483	11885.57
33.83683	6892.069	370.2236	10613.76
26.55889	6354.163	348.1661	9880.7
26.92909	6413.161	351.689	9974.433
34.73391	7042.163	378.3609	10832.53
32.30858	6598.339	354.6426	10207.78
36.09792	7056.366	377.1266	10842.39
34.49819	7053.243	379.467	10851.96
39.28035	7540.961	402.1065	11527.37
47.92416	7946.243	415.686	12096.19
53.99071	7848.676	408.3594	12117.47
33.74958	6959.322	374.7252	10717.92
35.89384	7073.387	378.4927	10868.99
43.23506	7599.474	400.6615	11605.25
43.45564	7560.423	398.3577	11557.75
52.42339	7370.936	390.7169	11730.38
43.48301	7468.533	393.3411	11440.9
35.95395	7278.018	391.1893	11172.17
46.42144	8000.579	420.116	12159.55
49.7129	8063.667	420.6386	12264.94
32.50703	6625.984	356.0426	10245.94
26.6278	6441.277	354.7906	10038.26
30.25444	6821.114	372.6977	10567.85
32.48696	6963.602	377.395	10744.47
36.26428	7069.552	377.7055	10860.9
37.29079	7168.653	382.3653	11000.93
36.62489	7321.67	392.7946	11229.66
29.03778	6394.4	346.2727	9914.388
31.00631	6665.408	360.2735	10296.46

43.4961	7525.924	396.45	11514.2
58.79861	8580.764	441.8683	13026.46
59.82568	8629.466	443.7901	13100.86
56.70434	7663.303	402.1867	12128.44
44.97217	7807.767	410.7294	11894.51
40.59506	7453.687	395.1865	11400.06
48.64906	8132.215	425.2787	12345.57
57.38024	8579.608	442.6564	13005.83
56.73306	8377.095	432.5274	12745.94
57.45934	8300.301	428.1131	12660.65
60.47022	8759.16	450.1081	13269.96
60.64006	8799.438	452.0853	13322.03
63.89463	8694.079	444.8967	13238.7
57.16371	8666.321	447.2926	13110.48
58.30675	8755.403	451.2027	13235.96
49.41567	7202.616	383.8969	11472.85
46.79665	7469.035	390.954	11480.22
45.17733	7848.539	412.827	11950.38
44.76147	7933.742	418.1067	12064.71
45.28214	7784.319	409.0845	11863.96
42.47257	6951.237	371.6011	10938.95
40.31103	7284.205	385.8501	11172.02
42.3654	7330.744	386.7118	11252.87
49.95446	8266.954	431.5	12531
40.03215	7647.866	407.4154	11675.28
44.44473	8048.037	424.972	12219.64
54.95452	8321.543	430.7198	12653.17
40.80001	7022.749	372.0449	10870.29
42.16206	7797.595	413.3667	11877.88
49.16574	8613.337	451.312	12982.81
44.77617	7935.004	418.1621	12066.45
54.15763	8165.283	423.0454	12448.08
54.67438	8656.472	448.5968	13072.36
44.00652	7822.533	412.6098	11912.15
48.13727	7962.852	416.415	12119.58
55.34061	8325.397	430.6809	12663.06
45.51322	7973.786	419.5559	12120.56
44.02552	7893.84	416.664	12009.45
47.70926	8344.093	437.9607	12622.37
49.26862	8155.323	425.9859	12379.85
48.85272	7889.361	411.9841	12035.46
48.99853	7813.813	407.8635	11942.18
56.25111	8039.995	416.3351	12362.61
57.80188	7701.208	403.6948	12204.69
55.54179	7546.844	397.6917	11995.53
57.15687	8614.222	444.5911	13045.78
51.63198	8287.615	431.1797	12570.25
56.03573	8527.992	440.808	12924.02
61.87833	8695.419	446.0375	13211.14
59.68279	8375.33	430.7524	12784.83
57.84172	8614.631	444.1923	13055.41
62.01099	8761.469	449.3577	13294.41

62.92118	8856.482	453.7328	13424.35
62.62551	8549.039	438.124	13041.66
65.3597	8765.565	447.8012	13348.15
65.4182	8665.558	443.2289	13258.92
62.71401	8518.05	436.8416	13022.45
61.94654	8756.775	449.1521	13287.71
64.86288	8516.616	436.8122	13118.01
64.67668	8429.873	433.0958	13042.47
67.43601	8840.256	450.804	13486.2
70.84725	9306.659	472.5647	14092.67
65.67021	9299.137	474.8551	14007.34
54.77002	8160.441	422.4166	12450.21
49.05609	8138.131	425.2312	12355.85
53.92074	8365.323	433.6711	12694.32
55.60629	8419.99	435.4497	12784.18
61.74009	9022.978	462.9475	13612.86
66.16318	9367.688	478.078	14098.42
68.63607	9722.029	494.7588	14567.68
68.00004	9927.408	505.5965	14810.69
57.69368	8175.488	421.9972	12529.41
51.97659	7599.982	398.6039	11851.64
51.59926	7980.272	414.9466	12183.72
56.33723	8793.701	454.62	13263.09
64.7138	9846.091	503.552	14670.52
68.70789	10074.9	512.6773	15000.52
67.71852	9114.776	464.3897	13811.2
57.01948	7944.21	412.9317	12335.92
51.98548	8170.193	424.7027	12426.25
53.23853	8568.732	445.0522	12947.36
59.50651	9126.994	469.8598	13716.83
64.39462	9378.922	479.6976	14088.55
68.29416	9651.325	491.3514	14476.32
69.48788	9626.796	489.4511	14463.4
70.1974	9552.319	485.312	14382.82
69.1776	8996.087	457.6492	13687.99
70.86894	8852.588	450.5461	13634.43
71.51351	8933.573	454.1122	13727.82
72.94697	9388.663	475.7035	14224.73
74.13303	9782.092	494.944	14721.8
76.20504	9901.711	499.9625	14898.84
75.38221	9700.16	490.2339	14641.27
66.51477	9089.465	463.7193	13762.44
65.77577	8945.09	456.7458	13574.57
70.84053	9240.637	469.2308	14012
58.92924	8803.916	453.3322	13304.3
61.78683	9281.169	476.321	13935.24
65.45089	9464.368	483.4483	14207.87
57.72399	9217.899	475.9905	13814.28
54.67856	9008.062	467.3976	13523.08
58.20431	9017.402	465.05	13565.21
64.09837	9354.957	478.6456	14055.08
67.05273	9344.503	476.4151	14082.75

64.25463	9218.947	471.5492	13888.91
67.05583	9510.129	484.8493	14285.85
70.31387	9947.14	505.2469	14866.17
71.13598	9722.317	493.4256	14604.16
73.05625	9396.342	476.0393	14235.76
75.20442	9687.303	489.6711	14622.9
75.48083	9953.285	502.8952	14950.44
75.02884	9173.529	464.1	14065.4
72.68364	9505.01	481.6913	14362.42
75.2153	9723.096	491.4635	14666.58
76.85622	10021.82	505.6764	15054.69
78.62678	10008.29	504.1792	15065.65
78.74855	10164.47	511.9302	15256.88
76.84007	9733.914	491.2575	14704.9
76.05293	9465.191	478.1377	14366.21
75.72481	9368.881	473.4657	14266.64
75.49313	9567.589	483.5273	14481.86
72.99525	8701.941	442.2665	13578.4
73.24146	8718.758	442.9148	13601.08
73.0455	9223.019	467.3905	14037.11
72.48562	9457.078	479.3698	14301.01
73.85872	9278.51	469.795	14116.97
73.33613	9168.904	464.6661	14000.53
73.03582	9074.46	460.2223	13906.44
75.17287	9615.052	486.0572	14534.58
75.52269	9745.482	492.4437	14698.53
74.68807	9476.278	479.3077	14358.31
75.81765	9555.08	482.7525	14471.73
76.03739	9499.557	479.8685	14407.71
75.32161	9415.293	475.9584	14294.07
75.02136	9464.622	478.5707	14349.33
74.19036	9441.557	477.7899	14308.34
74.42821	9492.753	480.255	14374.32
75.28784	9412.989	475.8578	14290.74
74.60424	9609.206	486.0273	14518.69
75.71311	9368.083	473.4314	14265.5
76.58671	9353.783	472.2602	14282.96
76.03446	9426.971	476.2284	14330.65
75.3442	9662.339	488.3526	14594.71
75.84688	9698.434	489.9322	14646.36
75.85032	9698.681	489.9431	14646.72
76.93934	9776.878	493.3652	14758.61
72.56018	9798.933	496.5681	14718.67
74.69912	10067.67	509.0238	15077.73
75.50493	9955.113	502.9754	14953.03
74.85854	9235.835	467.2702	14115.5
73.10522	8709.452	442.556	13588.53
69.04804	9114.673	463.7228	13830.98
64.1523	8946.769	457.6872	13553.01
67.16731	9013.404	459.515	13678.89
71.40644	9346.526	474.309	14149.8
68.13914	9553.075	486.4312	14353.75

70.33199	9497.509	482.4705	14317.9
73.14679	9334.805	472.8974	14162.22
74.81504	9415.532	476.1975	14286.42
74.40457	9093.948	460.5097	13972.43
67.32596	8795.743	448.8257	13445.45
63.94514	8902.327	455.5253	13495.41
61.64332	8762.767	449.6284	13290.81
63.54418	8727.9	446.8106	13275.15
66.6225	8974.841	457.8283	13623.55
72.5321	8966.123	455.2329	13793.42
65.28761	9030.03	461.3338	13671.65
56.05634	8378.253	432.9965	12738.27
53.75356	8256.285	428.0667	12556.24
58.48925	8372.675	431.2778	12764.66
67.01147	8478.243	434.7389	13176.25
68.72161	8927.979	454.6053	13612.46
64.81167	8846.663	452.2219	13439.61
65.91482	8699.448	444.6858	13307.48
71.0306	9352.6	474.7976	14151.51
64.66695	8895.657	454.8004	13497.66
58.40361	8578.014	441.9583	13017.66
55.90088	8341.631	431.1836	12690.7
60.6485	8006.743	415.7508	12549.25
67.66897	8634.143	441.5283	13328.52
69.36595	8823.973	449.7105	13552.41
72.76329	9240.739	468.3346	14041.7
66.2209	9220.124	470.5288	13918.33
60.75069	8642.067	443.9164	13129.36
69.01949	9271.875	471.7063	14022.72
64.28974	8809.719	450.606	13386.6
57.96947	7703.384	403.782	12168.46
58.61006	8275.064	426.158	12645.55
59.059	8385.959	431.6453	12789.11
60.92658	8396.085	431.5565	12846.91
60.78433	8201.198	423.6284	12697.47
62.06009	8473.431	434.9081	12958.23
63.00973	8604.026	440.7438	13114.96
67.64631	8780.602	448.1053	13446.69
63.20239	8088.559	418.8203	12620.04
56.38649	7863.944	409.7336	12249.96
49.3643	7971.268	415.9794	12144.64
43.86271	7458.782	392.517	11432.66
43.40803	7387.915	389.0165	11337.3
41.93056	7389.107	390.2541	11322.96
43.59707	7401.586	389.6149	11356.84
48.96667	7941.091	414.6561	12101.92
50.7418	8188.34	426.5147	12433.72
40.88891	7560.159	401.0947	11549.16
37.04189	7183.793	383.6484	11024.32
39.52046	7291.307	386.9386	11173.65
47.45076	7909.35	414.0666	12044.22
51.16239	8198.613	426.7633	12451.67

54.88459	8267.099	427.9193	12584.49
60.22397	8603.977	442.249	13074.94
49.27753	7921.166	413.3781	12080.6
43.48401	7468.608	393.3443	11441.01
48.48504	7101.966	380.165	11364.17
45.61386	7646.869	401.3555	11691.3
44.19079	7744.559	407.9548	11806.24
48.57709	8180.236	428.0011	12408.66
42.62523	7794.657	412.6203	11873.25
42.47016	7605.371	401.8449	11611.87
40.82894	7375.839	390.4544	11294.88
54.76732	8086.561	418.5574	12358.21
40.30481	7470.605	396.5466	11424.21
39.99858	7465.282	396.6218	11417.29
40.17084	7256.458	384.4386	11134.93
47.11169	6989.606	375.8948	11151.9
42.35484	7493.98	395.6388	11461.5
42.28113	7568.267	399.9078	11560.34
54.5294	8069.964	417.8319	12334.32
59.7796	8095.574	419.2956	12574.33
48.58547	7997.782	417.9482	12168.78
43.96427	7703.049	405.8246	11749.01
45.89526	7832.916	411.2179	11932.15
44.49453	7543.749	396.637	11547.8
54.17904	7861.529	408.9075	12135.8
44.59666	7824.795	412.0927	11916.47
38.55483	7167.206	380.9129	11004.42
47.52398	7073.433	378.7848	11296.13
44.82514	7509.879	394.5554	11508.49
47.13434	7698.715	403.0255	11774.56
58.30614	8180.231	422.364	12563.54
51.53135	8112.819	421.9828	12348.78
36.50209	7122.591	380.6526	10937.7
41.08416	6930.734	369.7478	10842.65
55.71106	7929.02	411.9825	12260.04
43.58128	7832.492	413.6635	11925.26
37.3755	7061.423	376.0807	10856.64
42.03153	7143.911	376.754	11010.16
36.63747	6990.111	372.7615	10757.4
39.38583	7280.815	386.478	11158.87
49.07402	7754.348	404.6497	11868.3
61.84182	8273.383	426.633	12799.02
46.40436	7685.762	402.86	11749.62
34.77713	6983.052	374.5273	10742.84
37.99604	7108.517	378.1458	10923.31
36.54047	7228.453	387.1559	11093.28
32.43123	6903.46	373.5146	10651.01
39.59999	7739.129	413.1441	11800.92
33.46861	7096.483	384.1557	10933.2
28.68697	6608.27	361.4946	10257.28
35.11282	7334.731	395.4817	11253.06
40.84158	7700.634	409.4214	11746.2

40.60335	7474.8	396.422	11429.72
34.00717	6261.88	344.9031	10079.7
29.65399	6334.599	341.9718	9836.757
24.98069	6190.582	339.7407	9636.198
16.68225	5520.207	310.6266	8706.768
20.36375	5707.463	315.0966	8935.243
32.22014	6696.269	360.4446	10337.51
39.4664	7557.53	402.8335	11550
22.72455	6101.657	340.8273	9593.049
24.51448	6145.559	337.4528	9568.749
23.20718	6122.031	340.4731	9599.661
32.09189	6873.793	372.2128	10610.32
38.94748	7530.408	401.9528	11514.18
50.76899	7920.23	412.3183	12097.93
36.46366	6916.154	368.7513	10659.42
40.61665	6750.279	364.2582	10724.1
55.78741	7860.109	409.4312	12217.6
43.47817	7664.123	404.1158	11694.52
32.43456	6862.427	370.783	10586.46
37.14	7244.656	387.2479	11112.67
50.13722	8118.717	423.2564	12339.13
28.85071	6503.642	353.4829	10073.37
33.07854	6681.382	358.6587	10323.53
39.66398	7251.947	384.6299	11124.23
38.59294	6500.679	355.6377	10479.23
41.2563	6905.349	369.1951	10840.74
38.2115	6771.824	362.4324	10581.54
28.54107	6573.964	359.3673	10202.86
26.62426	6332.568	346.2846	9838.474
38.63195	6540.489	356.733	10500.34
38.49502	6456.817	354.3885	10330.92
51.27436	7403.713	391.4828	11692.39
40.62229	7117.11	376.3762	10960.29
36.90954	6311.417	349.1512	10287.84
39.65769	6870.519	366.6417	10722.31
43.51948	6874.21	370.1672	10961.18
38.78744	7053.772	374.3895	10859.84
30.61723	6426.252	346.3559	9966.32
42.50227	6730.5	365.2141	10827
39.48171	7003.447	371.0134	10801.87
31.91764	6751.738	364.3734	10419.82
36.08571	7155.928	383.3539	10989.92
40.0387	7628.478	406.2556	11647.85
37.25266	7342.675	393.0969	11254.91
25.33834	6307.32	348.2906	9847.074
28.19717	6492.038	354.2171	10071.45
35.61813	7083.831	379.5703	10886.66
36.89985	7311.542	391.7308	11212.31
38.35229	7290.865	388.3483	11173.48
45.52633	7580.787	397.8606	11606.51
42.00651	7891.682	419.039	12008.69
36.48927	7070.301	377.4291	10860.76

42.75457	7761.568	410.5511	11827.57
53.04243	7966.229	413.2972	12185.03
42.52989	7566.172	399.5076	11557.82
47.96499	8155.674	427.2306	12373.04
56.6429	8498.13	438.8754	12894.94
51.2623	7796.499	405.4639	11949.25
28.84237	6425.155	348.3645	9955.28
29.67465	6003.268	333.676	9682.841
36.86047	6289.474	348.5474	10216.56
34.29061	6113.96	341.6918	9982.084
31.4774	6729.118	363.6908	10390.91
21.80676	6068.34	339.5559	9543.595
22.48896	6068.209	338.7359	9537.112
29.1691	6618.272	361.0006	10259.88
32.43765	6959.13	377.1988	10738.38
31.99003	6536.353	351.3613	10122.99
51.15812	7655.366	400.1148	11841.75
61.81301	8662.568	444.3852	13169.73
44.0474	7021.616	374.9612	11070.38
29.6324	6555.389	355.4438	10142.45
27.75473	5834.994	327.5726	9487.428
31.10214	6286.645	341.7399	9889.523
32.3811	6225.216	342.0848	9955.115
49.68108	7165.088	382.7492	11386.34
46.57139	6934.166	373.8652	11165.33
34.75176	6704.571	358.3372	10367.44
24.35776	6028.337	329.8671	9394.306
22.61126	6050.718	336.4083	9486.743
33.89541	6866.825	368.4958	10574.49
34.49718	6518.34	351.6215	10219.99
34.63963	6109.928	341.9495	10029.64
35.46468	6857.594	366.3783	10574.29
33.43207	6976.368	376.4036	10748.49
40.77202	7145.046	377.7952	10997.79
41.69797	6619.863	361.4525	10657.94
46.27133	6987.86	375.4035	11033.66
40.52898	6512.178	357.5584	10569.56
26.37969	5889.946	326.5836	9405.622
25.13521	5953.861	325.7261	9331.848
30.06013	6446.535	348.1831	9990.228
32.108	6821.169	368.662	10526.79
35.77036	6850.449	365.6815	10567.53
42.88976	7442.916	392.416	11401.83
35.98922	6583.004	355.0363	10348.93
42.87375	6728.003	365.4054	10745.92
57.75242	7920.138	412.1515	12354.76
47.18313	7785.048	407.6128	11884.18
51.01074	7937.713	413.0836	12122.91
60.56907	8371.691	430.4993	12811.8
35.56659	7079.578	379.3836	10880.75
37.23907	6668.307	358.6452	10470.04
43.9333	7125.188	377.9746	11118.74

34.78896	7093.885	381.5604	10910
37.30325	6449.766	353.0809	10375.05
43.22143	6723.911	365.5167	10796.95
48.15565	7625.317	398.3945	11694.38
53.99309	8080.883	418.7276	12340.72
56.55553	8185.835	422.6856	12506.13
66.25877	9131.684	466.0034	13810.45
66.50525	9272.117	473.0245	13986.16
64.06556	8499.215	436.1058	13069.62
57.36455	8423.084	434.5411	12811.56
38.26078	7468.692	399.2451	11430.06
41.39297	7497.146	396.7857	11460.78
54.29049	8174.891	423.466	12461.81
63.09764	9013.509	461.6839	13620.07
58.9684	8114.288	419.9285	12549.38
47.10485	7415.855	389.5024	11468.34
38.87694	6408.635	353.4277	10453.22
41.51849	6923.245	369.9461	10866.03
43.96581	7726.359	407.1559	11780.83
39.79715	7567.201	402.9486	11562.2
36.25719	7271.73	390.2937	11159.66
39.26645	7326.859	389.3103	11222.4
45.87797	7686.665	403.2995	11744.73
47.51542	7872.672	412.057	11998.66
53.11328	7482.893	394.8875	11628.21
50.08954	7959.788	414.8678	12139.06
55.50845	8462.497	437.7279	12835.74
60.64032	9001.628	462.5256	13572.25
54.06756	8013.54	415.1561	12257.79
45.70662	8014.828	421.6651	12176.4
47.48932	8089.579	424.0222	12282.95
49.09422	8414.947	440.4537	12721.05
45.47481	8019.36	422.172	12181.96
49.24169	8070.664	421.3484	12268.16
57.41293	8426.607	434.6953	12816.59
64.21519	8804.442	450.3752	13379.03
63.73243	8711.988	445.8974	13258.33
56.59957	8520.362	440.0584	12921.96
60.05543	8114.404	420.0729	12600.69
65.23009	8393.625	431.4468	13037.31
67.19327	8379.644	430.2894	13103.74
58.99541	8648.742	445.2683	13113.25
47.88673	8201.862	429.8728	12434.01
51.02767	8210.765	427.4993	12465.27
60.45574	7919.505	412.2377	12477.26
56.79319	8227.891	424.7355	12561.61
43.23026	7644.271	403.2443	11666.73
46.54873	7910.006	414.9098	12038.72
52.39666	7874.475	408.8706	12061.82
55.87001	7902.808	411.0537	12250.49
50.81154	7855.681	408.8775	12017.55
50.11169	7961.435	414.9399	12141.4

52.45337	8158.941	423.8	12418.08
56.59901	8239.842	425.4694	12573.77
59.11992	7828.275	408.6587	12353.05
55.99764	7911.519	411.4192	12262.8
58.69312	8058.452	417.6869	12496.64
61.24695	8817.314	452.657	13352.5
60.87883	8817.436	452.8744	13347.54
62.53526	8885.24	455.4209	13454.27
64.48281	8911.959	455.7308	13515.01
60.13074	9070.383	466.4589	13652.54
65.55303	9019.424	460.6525	13662.5
60.65962	8745.769	449.3093	13256.06
65.19475	9172.661	468.6631	13845.37
71.47107	9615.885	487.8796	14479.3
67.89427	9346.264	476.059	14097.12
53.67881	8667.657	450.007	13078.37
57.13859	8587.043	443.1909	13011.83
67.45079	9126.591	465.1262	13821.7
70.19176	9519.45	483.6517	14342.61
72.82326	9886.736	500.8608	14829.55
72.13511	9532.208	483.328	14387.24
71.77269	9239.647	468.7389	14025.06
72.56752	9496.613	481.3237	14350.43
71.827	9065.914	460.2737	13853.63
70.09154	8873.498	451.7889	13622.41
68.69591	8556.26	437.6843	13304.54
69.4606	8682.462	443.1729	13438.05
72.08432	8824.617	448.6824	13654.57
68.04762	9295.133	473.3824	14036.8
60.62956	8688.421	446.3722	13184.87
65.49919	8671.085	443.4665	13266.84
70.70031	8915.05	453.5326	13681.14
72.12741	9431.357	478.2442	14264.2
72.44844	9182.279	465.625	13978.47
70.45816	8824.546	449.3884	13595.16
68.87883	8716.734	444.9378	13444.18
67.5197	9100.499	463.7649	13790.77
69.29501	9164.011	466.1024	13895.01
71.2164	8728.372	444.554	13541.1
71.21397	8617.254	439.3191	13445.96
73.46006	9140.389	463.2321	13979.98
73.22538	8976.476	455.3974	13827.19
72.33681	8915.814	452.9139	13742.63
73.42699	9138.132	463.1367	13976.77
77.00122	9382.073	473.4571	14323.13
77.28901	9657.725	487.2396	14619.46
75.41055	9421.362	476.2235	14302.84
66.5587	9215.003	470.088	13916.94
62.87911	8824.691	452.1259	13384.63
64.00702	8936.115	457.2206	13537.82
65.73068	9092.686	464.2949	13754.95
70.15423	9224.83	468.7625	13982.28

73.62029	9151.325	463.6948	13995.5
75.16991	9035.301	457.1637	13945.51
75.32629	9009.016	455.7557	13926.83
76.52587	9275.716	468.3533	14209.17
74.13854	9403.485	475.8989	14261.21
71.24456	9302.007	472.1381	14093.03
75.96125	9742.034	492.0669	14701.11
78.86859	10026.03	504.9559	15090.92
74.52096	9212.796	466.2955	14082.78
74.09114	9146.491	463.245	14008.24
69.54329	9053.148	460.3654	13763.3
69.65437	9125.116	463.957	13852.91
69.93729	8548.535	436.7871	13234.55
67.89336	8612.459	440.4947	13319.79
69.48205	8868.89	451.7458	13594.49
72.49828	9000.793	456.9101	13822.39
74.50231	9211.523	466.2416	14080.98
74.92581	9423.147	476.5302	14297.41
76.39247	9523.965	480.9349	14442.95
75.99847	9496.882	479.7516	14403.85
75.79366	9482.803	479.1365	14383.53
73.0398	9530.766	482.8188	14399.23
74.0688	9181.936	464.9899	14038.97
74.95878	9425.413	476.6292	14300.68
75.03448	9605.186	485.6256	14520.44
66.71436	9134.664	465.9165	13820.75
68.60589	9051.971	460.7595	13747.64
72.62723	8861.687	450.1747	13705.76
71.72971	8985.311	456.4811	13780.44
69.902	8675.609	442.684	13448.8
72.33853	9278.832	470.4513	14081.54
76.95651	9706.32	489.8224	14673.22
76.14585	9932.791	501.5492	14935.69
76.28382	9765.361	493.0881	14734.44
70.87808	9341.648	474.3183	14135.84
59.3894	8839.779	454.9063	13354.81
60.04878	8918.427	458.568	13460.87
61.07515	7998.842	415.4055	12562.07
64.67689	8170.771	421.9558	12840.96
66.80409	8427.077	432.5281	13126.98
70.13298	8913.316	453.6253	13657.57
71.17199	8836.292	449.6583	13631.78
72.36349	8991.592	456.5272	13809.44
73.06673	9113.545	462.0964	13941.86
72.12952	9123.539	462.9181	13915.11
69.57778	8616.479	440.0879	13387.31
69.91828	8898.663	453.0054	13636.77
72.46158	9220.154	467.4355	14011.94
73.71309	9157.658	463.9628	14004.5
74.32801	9451.159	478.2097	14322.16
75.7287	9654.68	487.791	14591.36
71.58786	9326.307	473.201	14127.9

69.58599	8875.984	452.0459	13604.57
68.14847	8888.871	452.9106	13556.17
69.43971	9046.028	460.0543	13753.02
72.60441	9155.945	464.3113	13961.55
75.17587	9294.457	470.0209	14179.61
73.26784	9513.245	481.8279	14381.38
65.13409	9138.2	466.9371	13802.2
69.49977	9242.679	469.9871	13994.22
71.55476	9522.784	483.1369	14367.01
62.67643	8924.339	457.348	13504.4
61.84428	8664.797	444.4827	13172.92
65.05858	8641.017	442.1739	13223.76
67.12774	8856.226	451.5407	13485.78
64.71605	8721.319	445.8682	13284.28
66.19926	8975.283	458.0667	13617.83
71.25529	9203.816	467.173	13973.42
74.41386	9422.551	476.7321	14288.69
74.45109	9563.593	483.8058	14460.84
72.72355	8831.288	448.6618	13682.55
73.42849	9101.262	461.347	13944.32
73.33911	8910.294	452.1314	13772.89
72.95543	9142.923	463.5581	13963.47
72.25431	8836.224	449.1497	13670.6
67.42344	8907.428	453.9991	13552.94
63.76484	8589.754	439.9488	13125.65
63.62802	8062.112	417.6026	12715.56
70.63712	8568.6	437.3558	13329.8
74.78609	9119.992	461.5849	14008.9
73.97983	9461.245	478.8772	14329.04
62.0224	8677.496	445.0383	13191.12
47.65798	7862.705	411.4194	11987.74
55.41751	7871.922	409.7576	12206.84
62.0067	8432.757	433.2205	12925.36
48.85862	8019.07	418.8826	12198.77
51.12741	7923.447	412.2538	12106.52
61.19876	8507.386	436.7379	12969.6
61.88204	8424.25	432.8547	12913.17
63.54244	8093.289	418.9425	12735.97
69.91819	8639.723	441.0157	13419.25
63.84385	8807.355	450.7197	13377.2
47.37007	8079.64	423.586	12269.17
47.12323	8007.539	419.8062	12171.88
61.51527	8837.403	453.5375	13381.01
54.72929	8501.139	440.2477	12873.79
46.03221	7637.988	400.5664	11684.84
43.33395	7532.34	396.9287	11520.66
47.77333	7745.576	405.0779	11841.33
51.55822	8068.998	419.6533	12294.26
56.32593	8347.445	431.2291	12703.63
62.08682	8682.089	445.2392	13197.7
63.77538	8590.473	439.98	13126.69
64.74677	8723.431	445.9605	13287.33

65.01872	8891.117	454.3844	13497.23
67.74724	8639.485	441.7489	13336.01
61.27817	7938.639	412.9283	12526.42
51.52423	7272.445	387.0206	11623.71
47.07964	7612.16	398.4288	11664.56
42.06465	7615.838	402.9212	11626.06
45.74187	7696.357	403.9239	11755.47
46.35502	7661.827	401.6108	11718.76
48.65829	7617.497	397.6436	11690.85
48.78659	7927.425	414.0568	12082.58
51.79548	7971.417	414.3531	12175.16
51.5551	8000	416.0159	12207.85
54.25541	8099.452	419.5398	12367.36
55.02548	8129.266	420.6343	12414.86
60.99919	8030.69	416.7067	12582.16
63.71589	8142.156	420.9725	12780.4
51.72703	7989.512	415.3511	12196.93
47.35799	7507.336	392.6268	11535.59
46.08427	7521.068	394.2419	11537.38
39.118	7193.664	381.8797	11043.84
46.51872	7551.82	395.587	11581.51
53.72986	7830.875	407.6001	12092.08
55.27654	7602.855	399.7353	12020.37
58.67087	7751.291	405.6409	12232.76
56.99824	8319.301	429.3669	12677.85
41.05136	7511.406	398.0288	11480.72
43.43562	7615.207	401.3523	11627.38
52.49526	8657.532	450.4832	13056.65
53.34442	8201.818	425.4735	12483.02
61.95057	8465.957	434.5842	12947.48
63.42863	8418.721	432.7041	12979.65
50.08354	8114.533	423.0728	12333.24
33.76085	6975.129	375.729	10742.03
36.76231	7282.099	390.1292	11170.3
32.35059	6841.585	369.558	10555.03
45.80664	8294.995	437.3482	12553.86
35.20771	7477.546	402.3904	11428.24
29.49205	6474.792	350.5418	10025.46
29.15406	6116.504	335.3	9686.58
28.46241	6273.726	339.6846	9747.445
35.62469	6943.337	371.0935	10687.9
49.24616	7853.59	409.8087	11995.25
43.25409	7414.147	390.5621	11369.05
53.95249	8174.594	423.6607	12456.98
36.16098	7128.63	381.5366	10948.92
32.81405	6936.927	374.9831	10696.91
33.55914	6913.91	372.1121	10650.5
37.68001	7163.708	381.5299	10992.17
27.85606	6680.347	366.746	10364.95
24.98669	6306.498	349.5011	9864.77
34.97588	7046.677	378.2493	10836.85
42.577	7680.174	406.0534	11715.27

38.5123	7341.411	391.1851	11245.53
27.61653	6160.376	333.7973	9588.188
24.99413	6018.872	328.354	9382.024
28.16694	6296.717	341.4358	9777.392
34.02261	6300.104	345.8283	10096.6
33.65722	6126.471	341.3113	10000.7
30.81766	6006.93	335.2542	9763.524
27.71254	6018.121	331.1377	9546.891
32.06404	6541.63	351.5921	10130.55
20.09637	5843.619	328.5709	9226.848
18.9602	5700.786	317.9278	8946.131
20.99931	5877.394	326.6172	9209.918
23.41182	5907.679	323.4918	9222.228
23.4215	5993.884	329.0854	9345.3
21.20075	5884.808	326.3183	9209.201
11.05607	5009.035	292.5848	8109.984
13.4212	5253.746	298.9305	8335.561
15.3282	5409.568	305.7701	8552.636
19.54414	5744.293	319.5253	9001.113
28.6883	6554.806	357.5937	10165.43
21.95752	5956.472	330.0881	9319.823
30.68292	6565.776	354.5326	10154.1
33.52969	6659.838	356.9547	10298.42
38.60571	7105.862	377.4489	10925.49
48.10318	7038.787	377.9338	11307.09
38.72803	7302.655	388.5568	11189.15
31.24226	6646.152	358.6205	10264.89
35.00523	6910.479	369.8427	10639.99
46.88847	7475.3	391.2276	11489.27
46.71594	7545.329	395.1007	11575.69
42.38497	6759.618	365.973	10835.13
38.11093	6876.408	365.0706	10623.41
38.6317	6466.179	354.7543	10465.42
39.00213	6454.33	354.7578	10482.41
40.59076	7374.72	390.5999	11291.14
38.51022	7285.036	387.7833	11164.54
34.13662	7290.407	393.7476	11186.89
28.66149	6688.486	366.9339	10386.4
30.05112	6671.723	362.7244	10326.47
41.024	7654.672	406.4777	11681.27
43.45248	7485.046	394.2627	11461.62
49.31131	7945.471	414.646	12111.57
57.07641	8299.132	428.2736	12653.91
39.32117	7505.804	399.9454	11477.1
43.4938	7337.704	386.2218	11274.26
51.5823	8070.788	419.7318	12296.81
39.4509	7322.127	388.7938	11215.35
40.57904	7534.081	399.9502	11513.08
47.7563	7681.383	401.6604	11760.15
55.05884	7550.924	397.778	11975.43
39.24355	7103.391	376.7568	10928.46
35.16702	6998.587	374.8996	10762.87

41.62489	7536.993	398.8434	11516.39
41.03777	7093.657	374.7576	10934.66
41.13163	7416.873	392.4501	11350.52
40.38028	7289.46	386.0806	11179.46
44.46959	7387.471	388.1981	11348.83
56.58263	8238.691	425.4191	12572.11
49.38207	7311.601	387.5192	11536.1
48.22371	7269.612	385.5194	11447.99
33.85482	6893.51	370.2869	10615.77
39.13857	7451.347	396.9373	11400.29
45.96674	7713.423	404.6723	11779.63
43.86959	7440.29	391.5083	11409.19
53.59497	8244.412	427.5463	12539.39
51.72087	7828.022	406.8411	11994.76
36.88006	7187.973	384.1413	11031.4
37.45829	7130.593	379.8843	10947.27
42.68362	7689.06	406.4434	11727.59
54.13161	8706.134	451.6956	13131.48
55.5224	8239.03	426.0646	12558.09
62.24683	8264	426.2484	12810.19
42.89663	7796.07	412.3737	11875.07
36.19035	7031.778	375.5469	10808.08
45.06108	7429.037	390.0157	11408.56
32.25065	7056.156	383.197	10878.31
35.88419	6918.41	369.4266	10657.4
50.03096	7844.715	408.8083	11993.87
56.37918	8199.009	423.473	12520.05
37.40321	7320.299	391.4959	11221.18
21.19734	6041.815	338.2323	9500.524
20.33792	5877.424	330.9912	9290.346
33.19752	6840.875	367.9763	10542.09
39.44404	7302.088	387.6053	11186.86
32.16294	6920.664	375.2007	10683.08
42.94755	7020.785	374.0394	11003.89
47.19393	6976.685	375.5187	11222.94
31.25117	6787.486	368.1151	10488.9
38.14576	7055.588	375.0522	10856.05
43.95128	7351.048	386.6055	11296.49
28.46268	6545.982	357.5174	10156.98
31.78518	6675.64	359.7273	10307.38
51.66953	7893.433	410.3221	12075.94
54.601	7927.392	411.4941	12201.28
59.52325	8499.32	437.2429	12935.8
63.48152	9042.642	462.9615	13661.31
61.8205	9510.541	488.2186	14221.85
61.82872	9360.195	480.3996	14034.33
63.64124	8909.289	456.0457	13499.6
67.06194	9067.63	462.3265	13743.74
65.46403	8668.686	443.3634	13263.4
48.5709	8125.828	424.9984	12336.67
49.68458	8328.247	435.1117	12609.85
34.79382	6879.858	368.3091	10598.15

36.84606	7358.923	394.7387	11282.23
45.36812	8010.12	421.7666	12169.26
51.54658	8721.47	454.8246	13133.98
38.60534	7007.989	371.9958	10798.82
39.68635	6463.918	355.5776	10528.13
42.63681	7497.444	395.5947	11468.82
36.38058	7214.736	386.5539	11074.39
39.33365	7243.389	384.4485	11110.08
43.27052	6820.087	368.3866	10918.24
45.66848	6872.497	371.4669	11081.77
49.83772	7175.786	383.1671	11400.63
53.12207	7344.503	389.9404	11747.83
56.16908	7663.806	402.1473	12103.75
45.39493	7729.354	405.9678	11793.45
41.19853	7628.073	404.6928	11643.7
46.58457	8166.123	429.2281	12381.88
45.73454	7516.261	394.2332	11527.14
36.58117	6955.319	370.8521	10711.54
36.38192	7163.86	383.3924	10999.34
43.04366	7763.935	410.3464	11830.88
56.79638	8432.903	435.3906	12816.05
50.3407	8067.67	420.4097	12277.52
39.11184	7468.278	397.9895	11424.56
39.02475	7403.274	394.2094	11332.11
50.4147	7916.948	412.3794	12089.34
57.3327	8039.697	416.6649	12417.18
54.7518	8355.578	432.6257	12692.88
54.07127	8086.417	418.9696	12348.66
38.79999	7460.241	397.9461	11414.61
44.41242	7634.011	401.5863	11661.66
52.64105	8102.563	420.713	12350.03
60.11813	8118.684	420.2496	12606.69
56.84251	8154.464	420.8907	12471.19
57.14726	8724.764	450.371	13183.72
60.89461	9095.793	467.2692	13693.17
61.9596	8898.906	456.4461	13463.02
65.65368	9521.662	486.2675	14281.22
66.75922	9570.203	488.0941	14355.66
63.61757	9433.747	483.0177	14146.8
58.47908	8292.586	427.1374	12665.38
59.19995	8368.966	430.6887	12770.09
64.06399	8969.604	458.9028	13579.8
55.69251	8773.253	454.0286	13230.95
54.96724	8648.473	447.9395	13064.77
59.93081	8291.099	427.1304	12722.39
64.54507	9005.131	460.4592	13630.36
51.13926	8568.028	446.863	12931.93
51.84722	8482.397	441.5698	12825.05
57.21472	9002.122	464.9913	13536.25
60.64789	8855.16	454.9512	13390.9
61.84588	8458.814	434.2747	12937.19
50.0738	8389.494	438.1068	12692.44

54.85342	8338.631	431.676	12673.11
64.59219	8742.386	447.0078	13308.32
58.05024	8499.26	438.0874	12915.32
61.76904	8603.156	441.3559	13095.88
68.80366	9414.814	479.0643	14194.29
65.58594	9556.962	488.1212	14323.89
53.86912	9514.499	493.9117	14147.73
58.46923	9249.85	477.0861	13861.35
65.38485	9217.073	470.8257	13902.59
66.23468	8721.274	445.6242	13338.75
51.50039	7419.147	392.1041	11713.71
52.66988	8104.678	420.8057	12353.04
56.7419	8531.164	440.5321	12937.25
59.15635	8553.575	440.2548	12997.76
66.43059	8623.62	441.3027	13269.25
58.83364	8068.044	418.0861	12510.14
58.3721	7999.491	415.3291	12439.77
56.77359	8001.538	415.0505	12363
55.74894	8556.062	442.453	12955.17
55.56421	8631.943	446.6019	13049.33
63.0053	8920.191	456.9525	13503.94
65.91483	9106.285	464.8907	13774.31
70.39779	9209.524	467.8703	13967.29
64.42741	9114.427	466.1094	13762.93
52.82367	8412.487	436.968	12742.12
64.00548	8906.721	455.7177	13501.68
69.42672	9493.831	482.7471	14300.03
72.85788	9517.611	482.2429	14380.43
73.70953	9750.384	493.5542	14676.8
67.83591	9498.051	483.8001	14282.05
59.42426	9227.487	475.1869	13842.38
57.75681	8979.741	463.3972	13513.11
59.26321	9035.17	465.2186	13598.69
66.43569	9236.316	471.2387	13941.28
62.43888	8764.15	449.2605	13303.81
65.15654	9139.892	467.0113	13804.6
66.88372	9239.338	471.1546	13951.48
69.94746	9242.509	469.7581	14000.75
69.37719	9329.95	474.4695	14099.03
64.69069	9282.561	474.5547	13973.16
71.06633	9618.262	488.2037	14476.18
69.96583	9243.819	469.8154	14002.63
68.77509	9444.377	480.5785	14230.02
63.46623	9421.134	482.4641	14129.31
62.47736	9262.125	474.8753	13919.66
67.00819	9371.914	477.8334	14115.69
70.07499	9640.171	489.8208	14488.31
70.84613	9732.65	494.0974	14612.5
71.78878	9931.166	503.6361	14868.06
72.6868	9808.672	496.9953	14732.42
68.7653	9316.787	474.1125	14073.86
64.152	9064.17	463.6915	13697.27

65.44439	9341.685	477.1505	14056.34
69.92248	9914.84	503.8292	14821.28
73.56952	10026.41	507.5147	15010.37
72.90273	9825.279	497.724	14755.87
68.59118	9272.306	471.9449	14016.89
71.3592	9475.306	480.8358	14306.16
75.56954	9995.204	504.9567	15002.74
75.46012	10092.24	509.881	15119.02
74.47029	9668.839	489.0879	14589.16
74.6654	9370.52	474.0029	14229.34
71.37738	8702.381	443.2462	13524.5
74.96159	9131.973	462.0794	14025.68
74.71885	9443.673	477.6551	14319.14
72.92452	9214.765	467.0327	14025.23
71.84033	9244.33	468.9436	14031.81
72.8021	9412.256	476.9603	14251.24
72.09594	9158.227	464.5828	13943.85
73.81392	9586.748	485.2694	14479.22
74.32053	9623.383	486.8731	14531.57
74.87154	9523.908	481.6173	14419.09
73.95709	9734.555	492.6378	14661.29
68.28435	9407.135	478.9453	14177.3
68.79076	9413.842	479.0217	14192.91
68.30996	9440.557	480.6283	14218.56
72.11736	8974.791	455.8278	13785.81
71.91554	9249.539	469.1712	14039.32
71.11358	8869.288	451.2355	13657.82
72.70822	9200.006	466.3932	14003.98
73.15838	9539.342	483.1942	14411.48
63.50368	9160.422	468.9804	13806.47
65.28143	9149.307	467.4241	13817.95
67.63171	9295.339	473.6092	14030.96
67.87689	9469.986	482.3525	14248.29
72.97028	9491.879	480.8928	14350.8
72.80203	9021.526	457.7731	13851.56
69.60874	9186.217	467.0737	13926.87
68.3465	9285.859	472.7576	14029.85
68.61416	8439.687	432.4137	13205.35
70.89301	8743.275	445.4079	13542.24
71.60876	9195.13	466.5684	13968.26
71.9937	9355.034	474.4575	14169.13
73.80497	9620.386	486.9663	14520.02
71.97843	9320.6	472.7273	14126.92
72.43166	8996.245	456.7208	13815.99
72.91179	9029.019	458.085	13862.1
71.64215	9197.425	466.6687	13971.57
71.112	9193.893	466.7394	13959.11
74.05624	9535.443	482.5742	14420.51
69.59808	8617.865	440.1432	13389.21
64.89804	8407.969	432.123	13034.75
68.6111	8661.459	442.5008	13388.09
73.09624	9041.609	458.609	13879.81

71.91184	8738.88	444.6906	13574.43
73.0269	9110.826	461.9814	13938
74.23631	9479.268	479.6653	14354.94
73.95309	9631.173	487.4386	14535.42
75.57639	9784.583	494.3814	14746.87
73.50602	9462.082	479.1396	14322.74
67.07037	9191.62	468.6291	13895.74
65.83155	9069.921	463.0809	13728.5
65.68693	9089.455	464.1533	13750.36
70.57814	9385.386	476.6766	14184.7
69.4985	9370.933	476.4845	14150.91
63.30485	8942.465	457.9285	13535.6
66.1331	9000.934	459.4077	13648.31
72.70395	9506.479	481.7556	14364.52
73.41518	9455.652	478.8584	14313.51
68.15492	8852.311	451.2577	13526.5
67.75029	8929.896	454.9807	13585.38
70.03067	9313.158	473.2931	14088.29
66.4923	9148.93	466.7589	13834.99
67.26889	9144.385	466.124	13840.8
70.25668	8588.86	438.497	13388.59
70.55657	8831.264	449.6658	13604.57
66.10667	9241.868	471.698	13943.34
60.89353	8790.854	451.4972	13314.95
52.56207	8284.26	430.3189	12576.04
50.23441	8081.796	421.232	12293.96
58.45276	8396.555	432.5347	12793.71
61.96578	8701.699	446.3123	13220.13
60.56379	8573.505	440.4886	13042.11
65.57432	8565.175	438.85	13186.64
54.27691	8417.028	436.1452	12763.29
50.16953	8076.806	421.0131	12286.92
52.38378	8177.076	424.7999	12439.86
57.55046	8410.639	433.7857	12798.67
60.18851	8437.425	433.6805	12868.76
60.88651	8485.762	435.7929	12938.43
63.17973	8644.571	442.7331	13167.34
64.73815	8582.135	439.6409	13163.61
55.60418	8544.78	441.9578	12939.28
56.34586	8501.108	439.214	12894.7
57.07526	8453.498	436.2929	12845.35
65.76566	8726.28	445.865	13322.16
57.66003	8548.762	440.8862	12971.35
58.63913	8701.687	448.2194	13173.92
65.88668	8952.998	457.0917	13585.9
69.569	9279.772	471.8316	14040.58
68.16514	9209.655	468.982	13933.94
68.28933	8935.481	455.0022	13600.37
71.23659	8988.637	456.8119	13764.52
69.45934	8682.376	443.1694	13437.93
71.59102	8938.863	454.3324	13735.26
66.81282	9019.027	459.9805	13680.51

60.20157	8875.736	456.2748	13410.21
51.53144	8279.646	430.8299	12559.07
57.40366	8477.75	437.3553	12879.86
62.80031	8560.965	438.6449	13058.9
44.57899	7704.899	405.29	11753.57
46.58028	7658.081	401.2459	11716.65
54.82101	8090.307	418.7211	12363.6
61.48347	8322.987	428.6501	12819.41
64.59616	8276.309	426.5103	12919.76
54.49324	8213.975	425.385	12513.18
50.88114	8108.961	422.2209	12335.9
42.22182	7694.099	407.2816	11734.48
37.93884	7257.083	386.8655	11126.42
43.78112	7826.6	413.0965	11917.39
38.37191	7201.796	383.0096	11047.56
41.99887	7466.42	394.4294	11422.63
50.79628	8125.012	423.128	12354.98
52.41218	8109.138	421.2069	12355.31
53.36615	8251.127	428.0464	12544.82
53.04096	8321.337	431.946	12628.33
52.95751	8173.048	424.2128	12442.13
57.38685	8424.708	434.6122	12813.88
48.55093	8124.197	424.9268	12334.4
43.06637	7381.794	388.9471	11325.72
37.50841	7275.661	388.6087	11155.56
41.87634	7313.106	386.1368	11225.07
52.99002	7891.609	409.4102	12091.16
40.80109	7738.203	411.6879	11799.04
40.85883	7454.373	394.908	11400.9
34.63875	7034.154	378.0095	10821.45
35.3176	7042.901	377.4641	10828.04
43.48104	7641.561	402.8173	11663.62
48.43895	7879.712	411.763	12018.36
45.05642	7644.338	401.6428	11681.83
34.71808	7134.662	384.2797	10972.45
35.0504	7052.888	378.5219	10845.46
40.50878	7548.533	400.8933	11533.55
38.99865	7184.606	381.4825	11031.02
44.78618	7604.365	399.6914	11628.07
53.84614	8287.309	429.6327	12596.11
44.05383	8204.959	433.8574	12423.71
49.09518	8442.407	441.9662	12757.26
49.16876	8092.378	422.6086	12296.27
52.20642	8070.688	419.317	12304.61
64.53747	8457.388	434.2919	13057.89
47.51786	7768.561	406.4882	11867.29
32.12554	6782.078	366.0155	10464.69
36.98585	7284.152	389.9097	11171.5
45.66192	7863.564	413.1787	11972.43
52.56774	7933.114	411.8496	12137.37
46.85088	7821.56	409.8146	11926.49
29.88529	6751.047	368.6914	10462.39

34.14362	7068.333	381.0593	10879.45
39.27452	7055.697	374.0831	10867.18
38.45156	7061.941	375.1364	10867.17
36.48085	7103.795	379.5181	10910.14
41.14824	7602.872	403.278	11608.56
34.93012	7216.792	389.1232	11093.49
41.73929	7567.618	400.4962	11559.03
48.86552	8068.342	421.5534	12262.54
33.29762	7037.119	380.6204	10844.47
40.42671	6737.311	363.7273	10706.02
45.06877	7276.913	383.5291	11269.27
39.62271	7030.039	372.3724	10837.65
55.80913	8234.524	425.6578	12556.37
48.70072	7620.414	397.771	11695.06
40.63743	7066.138	373.5553	10894.94
48.57506	7061.735	378.8834	11307.21
58.34049	7812.061	408.0197	12124.36
64.89662	8296.826	427.3292	12947.96
43.49897	7642.983	402.8797	11665.61
24.95601	6211.597	341.5976	9678.909
28.73091	6439.168	349.3501	9973.881
29.35246	6383.054	345.2161	9900.589
35.28083	6265.187	346.3868	10024.46
44.31963	6798.915	368.4464	10897.15
63.12611	8287	427.1706	12866.13
45.5601	7543.544	395.829	11559.68
30.87365	6543.272	352.984	10124.97
37.17311	6700.959	359.41	10480.46
38.48925	6753.632	362.2551	10591.19
33.64688	6792.229	364.4654	10474.26
33.94437	6801.031	364.6619	10488.02
43.67271	7425.952	390.8805	11388.73
38.66929	6413.012	353.3729	10381.6
31.00738	5871.144	332.5251	9724.905
36.2934	6334.331	349.1408	10115.52
39.40941	6779.289	363.905	10662.57
41.7962	6654.413	362.5121	10648.08
42.53527	6732.725	365.307	10696.04
35.60226	6734.79	359.2727	10414.64
33.6707	6614.814	354.2212	10240.05
41.89915	7278.799	384.24	11181.39
57.65496	7691.174	403.3046	12191.1
42.89981	7517.672	396.4821	11497.38
38.47361	7209.722	383.3575	11058.73
39.24931	7236.903	384.1639	11100.92
46.38315	7461.103	390.8109	11465.09
37.40677	7160.107	381.681	10987.98
21.82817	5956.032	330.6929	9329.897
27.51862	6376.36	347.2737	9888.116
35.22882	6927.676	370.5971	10664.27
25.07969	6260.761	345.313	9769.57
27.72852	6307.797	342.6629	9790.763

36.12026	7074.92	378.2506	10869.72
42.17955	7560.133	399.5508	11548.95
43.30194	7119.221	377.2486	11077.04
54.21249	7474.572	394.8377	11799.79
38.75018	7399.096	394.3352	11327.27
28.65341	6626.63	362.9222	10289.91
35.76292	7293.677	392.4961	11197.68
40.03194	7468.062	396.7438	11421.15
40.75945	7631.544	405.4629	11649.55
45.13689	8014.236	422.2554	12174.39
50.71947	8029.124	418.11	12233.83
55.02924	7511.837	396.3303	11948.09
43.0672	7140.326	377.657	11073.57
38.36471	7071.757	375.7605	10879.06
37.89277	6973.13	370.6652	10746.71
31.90131	6750.417	364.3155	10417.98
26.11152	6402.648	353.4074	9990.292
40.17138	7222.284	382.5504	11090.94
47.30409	7856.418	411.3439	11975.71
26.76084	6537.736	360.3639	10178.43
19.82926	5868.276	330.6676	9275.096
30.94479	6748.392	366.089	10432.07
42.29663	6827.842	367.8798	10864.92
57.17357	7695.349	403.4439	12172.07
58.59917	8566.036	441.223	13005.5
42.85709	7569.824	399.3598	11563.53
47.35526	8208.174	430.7654	12440.37
32.42726	6903.112	373.4993	10650.53
35.42355	6766.462	361.2363	10454.52
40.24331	7039.045	372.3717	10855.83
35.63532	6335.879	348.4963	10217.78
32.3472	6706.042	360.8734	10351.31
40.21905	7423.27	393.8513	11357.58
48.3458	8000.386	418.2629	12169.29
60.58907	8298.981	427.5646	12759.75
57.43898	7750.528	405.5791	12222.38
49.69502	7886.508	411.2504	12042.16
42.83487	7657.138	404.4256	11683.74
47.45719	7784.878	407.4045	11887.17
48.17829	8013.872	419.1621	12186.1
35.12778	7059.337	378.8049	10854.4
33.23214	6901.349	371.8708	10635.33
36.42063	7034.533	375.4767	10813.53
34.15963	7024.198	378.1924	10811.95
32.41679	6943.478	376.2017	10714.18
39.75692	6542.992	357.7987	10444.95
37.15204	6253.67	347.8913	10276.78
39.06968	7090.728	376.2024	10910.39
38.82722	7171.596	380.912	11012.61
42.9077	7536.785	397.5172	11521.87
50.87393	7635.972	399.2877	11814.09
45.28694	7833.231	411.8472	11930.07

46.6746	7920.086	415.3522	12052.83
53.4847	8188.342	424.6767	12468.02
56.8935	8120.888	419.6312	12450.82
51.52925	7346.922	389.6127	11508.83
51.62632	8434.367	439.1549	12761.04
47.21747	7849.755	411.0516	11966.3
48.37059	7768.083	405.8611	11876.92
62.24758	8778.699	450.1121	13319
64.72091	9284.932	474.6588	13976.5
55.08796	7552.912	397.856	11978.14
41.19995	7192.97	380.0889	11063.88
38.05529	7229.872	385.0528	11086.63
41.3663	7642.467	405.3244	11663.53
40.46744	7606.015	404.3427	11614.54
40.80571	7553.157	400.7874	11539.47
46.32494	7942.311	416.943	12081.02
54.29297	8150.75	422.2012	12431.77
55.81322	8460.685	437.4414	12837.48
60.38088	8944.478	459.7118	13497.52
65.21236	9364.013	478.4347	14080.8
68.14776	9396.769	478.4907	14162.62
57.16442	9201.57	475.5805	13788.82
44.05598	8129.085	430.0707	12330.3
43.1475	8116.746	429.9674	12305.04
48.05233	7618.109	398.0794	11684.01
50.041	7208.23	384.3338	11508.85
57.41338	7785.833	406.9334	12245.62
57.51771	8788.374	453.469	13268.31
60.81946	9089.714	467.0024	13684.68
53.23656	8146.236	422.6258	12412.27
47.80669	7621.979	398.4524	11685.84
49.19829	7150.677	382.076	11430.49
49.1611	7630.362	398.0001	11713.46
47.33474	7998.884	419.1188	12161.4
50.18269	8144.481	424.5892	12372.01
55.08235	8504.111	440.1727	12881.99
52.93138	8482.123	440.6377	12833.03
56.80683	8510.487	439.4172	12912.45
62.46474	8879.996	455.1911	13446.82
64.87061	8702.222	444.8144	13263.13
63.07941	8172.738	422.3764	12777.4
67.5978	8888.298	452.9414	13532.15
65.55269	9079.541	463.7191	13736.25
54.35969	8852.199	459.3318	13320.85
52.09826	8771.951	457.0392	13202.52
53.99244	8474.708	439.3933	12832.8
59.82358	8737.891	449.387	13234.79
68.23735	8894.935	453.1734	13564.9
57.50709	8615.196	444.4257	13051.64
57.32909	8653.339	446.5153	13096.56
60.50286	8330.135	428.8086	12778.33
63.08906	8868.794	454.2721	13441.89

58.03908	8734.542	450.2871	13206.58
65.48121	9426.072	481.4631	14161
69.98035	9503.514	482.9531	14320.02
70.25765	9167.202	465.7967	13913.49
69.14893	9153.671	465.6501	13880.17
65.60334	9083.282	463.8829	13741.57
72.29616	9208.867	466.9426	13995.62
66.39022	8866.903	452.4494	13487.8
52.9707	7816.141	406.7112	12041.87
55.34189	7829.698	408.1654	12174.82
62.51278	8798.013	450.9578	13346.56
67.08731	9069.451	462.4062	13746.35
69.02242	9303.932	473.33	14061.96
68.81219	9225.042	469.4359	13962.38
73.37487	9520.931	482.1642	14392.37
73.32011	9619.113	487.1342	14511.08
76.52358	9640.002	486.6937	14585.93
75.99129	9602.596	485.058	14532.17
73.11272	9739.633	493.3049	14654.7
73.55863	9978.207	505.0959	14951.86
75.81574	10014.01	505.7817	15029.33
73.36693	9622.548	487.2846	14515.98
72.39115	9215.348	467.2256	14004.99
72.66678	9086.248	460.9416	13903.11
64.91518	9181.19	469.2518	13851.86
57.43384	8531.828	440.1439	12947.31
57.6584	8522.601	439.5301	12938.9
57.39582	8632.601	445.3975	13071.73
58.40486	8859.415	456.5876	13367.76
63.36112	9334.337	478.045	14020.25
65.14466	9601.493	490.6846	14373.28
67.62358	9640.125	491.1635	14453.3
69.81323	9523.163	484.0334	14341.55
61.72744	9615.385	493.7356	14351.74
66.24483	9445.848	482.0273	14195.64
73.04675	9870.255	499.9177	14812.8
75.24299	9830.174	496.8278	14797.18
74.43108	9492.955	480.2638	14374.61
72.0976	8751.565	445.1925	13591.78
69.13016	8622.907	440.5624	13376.02
72.98101	9181.644	465.4162	13998.37
73.54161	9464.601	479.2498	14326.36
72.85353	8803.187	447.2354	13662.4
65.43324	8333.469	428.7918	12998.32
61.45415	8860.804	454.7757	13409.01
60.18792	8902.01	457.6378	13442.47
63.82126	9010.052	461.1049	13626.05
67.06079	9314.277	474.8733	14045.85
70.88027	9472.974	480.9549	14296.12
75.97717	9884.766	499.22	14874.76
78.10135	10006.24	504.3165	15054.99
75.42852	9527.933	481.5658	14432.66

75.22524	9334.79	472.0001	14217.8
75.05851	9537.047	482.1918	14437.97
74.27103	8899.989	451.066	13794.82
75.43547	9238.248	467.0957	14137.93
74.81225	9624.142	486.681	14540.06
76.19064	9865.135	498.1349	14854.19
76.49742	10173.08	513.4294	15232.89
72.54858	9730.752	493.1367	14635.42
73.50586	9325.538	472.2658	14156.51
73.72871	9512.091	481.5526	14387.04
71.75404	9570.739	485.4594	14428.48
75.23042	9584.141	484.4784	14497.9
72.14379	9332.22	473.2354	14143.62
69.73842	9420.859	478.8917	14215.47
69.70631	9450.664	480.4172	14251.41
71.87753	9546.62	484.1812	14400.93
74.58791	9816.148	496.4367	14770.14
75.28675	9447.957	477.6142	14333.23
77.64337	9682.446	488.3202	14655.03
77.35116	9878.644	498.2744	14888.54
78.13845	10045.48	506.2623	15103.16
78.52997	10221.39	514.8776	15322.52
75.75164	9867.996	498.4852	14850.93
76.61172	9207.662	464.862	14149.44
75.24213	9151.124	462.87	14052.5
71.095	8646.113	440.7431	13466.54
69.37084	9265.442	471.2043	14020.1
68.29823	8529.104	436.6004	13267.21
69.76495	8629.26	440.598	13404.87
72.99992	9182.934	465.4716	14000.22
73.80278	9345.949	473.1575	14185.97
75.65123	9649.157	487.5493	14583.45
77.02422	9603.323	484.6321	14549.25
75.94974	9811.964	495.5806	14785.89
67.94741	9506.74	484.1815	14294.29
68.47058	9358.145	476.3621	14120.1
71.50022	8895.683	452.3251	13694.78
73.3676	9208.025	466.5503	14036.17
75.10596	9215.757	466.1518	14106.14
71.58907	9359.547	474.8786	14168.46
67.4866	9377.652	477.8691	14129.62
69.16262	9122.725	464.0749	13842.55
71.09489	9258.512	470.0124	14037.69
71.58951	9160.652	464.8367	13925.91
70.71321	9133.569	463.8789	13879.39
71.04778	9386.711	476.5129	14193.39
70.54687	9448.353	479.8762	14261.09
74.08451	9219.977	466.8444	14073.38
74.69686	9476.891	479.3345	14359.19
71.64067	9090.18	461.484	13867.32
67.96173	9257.445	471.5128	13989.41
67.92353	9285.906	472.978	14023.68

70.4763	9377.97	476.3518	14174.11
71.89755	9281.605	470.7978	14078.14
69.56962	9087.081	462.0715	13805.16
70.12089	8801.523	448.438	13562.92
72.40547	9350.61	474.0395	14170.04
72.44879	9420.84	477.5603	14256.29
74.05078	9672.699	489.4811	14587.44
74.35828	9833.524	497.4212	14787.79
74.27819	9827.487	497.1566	14779.23
64.4932	8853.65	452.7452	13443.54
60.03183	8590.082	441.6408	13055.08
63.4476	8866.093	453.9387	13443.7
68.02832	9168.356	466.9544	13881.38
70.0763	9316.458	473.4375	14093
70.37242	8855.681	450.8701	13618.24
66.45431	8993.467	458.8623	13643.89
64.35775	9138.601	467.3837	13791.64
64.48014	9206.998	470.8117	13877.4
67.12392	9288.195	473.5131	14014.81
69.69254	9514.004	483.6318	14328.58
65.21536	9204.124	470.2577	13884.28
67.90623	9128.254	464.9795	13830.49
72.60475	9499.305	481.4416	14354.27
72.56032	9361.492	474.5154	14185.68
76.03726	9747.53	492.3075	14708.96
76.30695	9838.161	496.7279	14823.22
74.23062	9754.895	493.5291	14690.19
67.00787	8811.042	449.538	13444.15
52.77973	8183.375	424.871	12452.76
51.2253	8180.762	425.7771	12430.08
53.86747	8288.917	429.7032	12598.39
61.64981	8735.165	448.2059	13256.88
64.23778	8473.95	435.0218	13057.71
67.12398	8485.925	435.0481	13186.86
58.17062	8560.689	441.1992	12993.03
50.38308	8188.626	426.834	12431.33
50.82173	8194.61	426.79	12442.54
57.16874	8563.557	441.9526	12983.11
59.35201	8433.304	433.9289	12851.79
61.92377	8642.246	443.281	13146.27
64.33916	8628.943	441.647	13182.06
64.27067	8661.288	443.0266	13203.95
66.20217	9005.893	459.6247	13655.4
67.24033	8604.881	440.3204	13287.55
54.6586	8201.511	424.6313	12499.85
42.60746	7771.026	411.2747	11840.65
44.68886	7808.627	411.0751	11894.78
51.62073	8096.601	421.0676	12329.6
57.44587	8377.145	432.1089	12755.72
55.07144	8157.213	422.0662	12450.25
51.02155	7460.621	393.3392	11714.24
49.0562	7774.723	405.7452	11893.71

48.83885	7845.254	409.6465	11979.79
58.95528	8458.827	435.4713	12877.78
50.32944	7799.26	406.2043	11940.61
45.9862	7116.858	379.2657	11235.07
50.96463	8047.479	418.9145	12259.88
55.78008	8558.488	442.5595	12958.59
43.27107	7670.159	404.6889	11702.35
44.35474	7514.11	395.1394	11508.55
54.11168	8089.278	419.0948	12352.76
60.52024	8460.398	434.6845	12901.87
59.56332	8191.936	423.1058	12633.34
61.05234	8182.458	422.8822	12696
62.55171	8247.786	425.5652	12811.47
63.08848	8358.48	430.175	12918.74
55.45414	8134.476	420.652	12427.17
44.06804	7550.231	397.3181	11551.34
40.73984	7650.384	406.5985	11676.04
47.08337	8004.282	419.6632	12167.35
51.66854	8077.201	420.0128	12305.92
57.66731	8653.481	446.3136	13101.22
42.48612	7606.662	401.9016	11613.68
34.53731	7010.125	376.645	10786.16
27.94529	6531.502	357.8153	10148.66
32.18011	6800.104	367.1169	10492.33
37.19489	7094.479	378.1074	10898.08
36.46233	6900.843	367.8881	10639.44
35.19765	6910.711	369.6624	10641.78
40.14159	6532.15	357.8107	10588.37
42.62916	7147.561	377.4534	11049.93
41.4445	7281.436	384.7497	11179.94
41.56991	7290.633	385.1526	11193.05
43.70295	7541.622	397.1384	11536.42
51.32816	8526.303	444.4177	12878.69
54.00622	8664.096	449.5442	13076.42
38.33336	7233.55	384.9052	11091.04
38.92305	7211.809	383.0629	11065.48
52.37358	8152.966	423.5381	12409.6
60.09761	8512.984	437.6272	12960.78
66.13278	8492.265	435.574	13152.25
64.10484	8316.798	428.3278	12930.72
56.08633	8153.342	421.2657	12459.29
48.02207	7827.17	409.2582	11947.2
33.10074	6876.08	370.4516	10597.92
28.16773	6406.541	348.1032	9927.376
30.56185	6495.529	350.5167	10059.05
40.5368	7428.585	393.776	11364.8
50.3678	8069.74	420.5006	12280.45
61.3529	8351.109	429.7877	12834.1
61.14509	7975.818	414.4655	12405.07
57.19	7761.276	405.9754	11994.85
61.51194	7973.105	414.3106	12465.8
35.69382	6963.44	372.1662	10714.77

27.37272	6441.94	352.6407	10009.98
36.7341	7175.927	383.6126	11014.66
41.6229	7330.217	387.28	11244.33
49.93827	7926.444	413.2033	12095.33
57.75424	8399.288	433.0779	12787.41
45.34277	7258.497	383.1887	11275.69
42.66355	7112.781	376.4728	11034.1
45.36194	7430.421	389.8748	11413.88
57.22179	8335.239	430.0642	12700.69
54.94093	8147.975	421.6621	12436.99
31.3153	6943.385	378.1451	10729.58
25.80367	6413.993	354.8609	10016.84
34.90993	7151.748	385.0293	10995.79
32.5624	6873.29	371.2597	10601.45
22.80987	6103.755	340.6073	9590.564
27.24136	6506.957	357.9834	10131.63
36.632	7454.054	400.6057	11417.11
32.03428	6761.173	364.7876	10433
44.34848	7264.878	382.5372	11218.78
37.52551	7025.54	373.9291	10811.34
32.02208	6719.872	362.044	10367.75
31.99859	6575.764	353.6541	10175.57
35.15389	6878.278	367.8586	10598.88
37.21172	6406.362	351.8731	10349.59
45.1019	6824.514	369.6783	10988.79
40.49493	7194.524	380.7472	11058.5
33.32244	6753.831	362.5921	10421.21
38.08959	6987.262	371.2837	10766.93
43.90007	6751.715	366.7698	10918.1
52.17114	7427.867	392.6455	11753.61
48.81007	7124.164	381.0359	11394.4
44.72998	7366.899	386.8968	11325.74
36.97638	6845.426	364.3022	10571.95
34.16486	6705.446	358.9506	10363.68
34.29306	6771.072	362.5879	10451.17
45.82885	7106.116	378.8259	11220.1
42.84786	7013.98	373.7539	10994.27
34.53227	6994.218	375.637	10762.11
37.5619	7138.669	380.2387	10958.64
50.05844	7713.744	401.8485	11829.79
48.57986	7997.345	417.929	12168.17
25.97346	6460.093	356.9312	10074.07
20.09485	5917.26	332.6996	9335.57
29.6027	6837.513	373.6751	10578.61
29.74182	6969.728	379.8774	10739.61
19.3391	5783.581	326.8747	9163.663
26.81975	6385.308	349.8442	9927.854
35.92592	7175.73	384.8422	11020.66
38.16803	6912.473	367.0377	10670.74
45.66452	7020.673	376.0632	11163.44
32.95493	7048.64	382.057	10868.5
26.61503	6422.059	353.3247	10003.47

28.52097	6476.969	352.3121	10036.12
31.97013	6664.122	358.8463	10293.14
40.25916	7108.744	376.2074	10945.7
34.70036	6658.019	355.7251	10305.79
38.85475	6927.159	367.2871	10696.79
38.81058	7219.571	383.5968	11074.5
31.44461	6817.205	369.7297	10532.71
27.22369	6566.882	361.6208	10220.13
32.57113	6957.348	376.8102	10733.08
39.83399	7392.121	392.484	11314.08
31.66276	6875.711	373.2284	10621.81
30.50844	6637.742	359.3695	10260.63
33.26468	6654.389	356.9067	10289.16
31.85116	6552.168	352.432	10143.1
26.01144	6384.877	352.3163	9961.691
25.88777	6306.113	346.3687	9818.535
38.02833	7282.735	388.3006	11163.1
28.75931	6647.096	364.1312	10321.53
29.91643	6388.517	344.8933	9911.151
40.11907	7115.909	376.7174	10953.46
48.39657	7133.022	381.1429	11377.65
50.90953	7862.617	409.1809	12027.51
38.53878	6986.969	370.8811	10770.95
43.34586	6732.409	365.8486	10808.3
50.96534	7776.086	404.5721	11919.78
42.95037	7599.5	400.9707	11604.59
42.44513	7691.129	406.8427	11730.35
44.8849	7848.582	413.1368	11949.54
50.02087	7577.754	396.8048	11731.05
49.18222	7158.831	382.3442	11318.77
42.68711	6687.419	364.0913	10748.19
42.56223	6660.341	363.2163	10794.29
40.84619	7272.462	384.7492	11162.25
45.29989	7931.382	417.3869	12062.73
36.12935	7344.297	395.0267	11268.37
36.61058	7480.508	401.9103	11449.16
46.32384	8268.675	435.2684	12518.84
48.6912	7898.727	412.5967	12045.32
43.96643	6793.367	368.0584	10944.01
49.63599	7106.386	380.7615	11426.71
53.59853	7460.437	394.2024	11719.8
60.36658	7950.454	413.4907	12495.88
55.265	8220.547	425.2557	12531.65
52.10265	8202.287	426.3144	12467.85
56.34569	8083.508	418.0113	12397.02
36.82638	7166.184	382.8755	10999.79
32.61832	6961.59	376.9963	10738.86
31.44703	6882.261	374.137	10636.97
30.82926	6775.874	368.2267	10479.19
32.37749	6788.937	366.0064	10471.77
25.10576	6325.38	350.6411	9895.064
41.17841	7709.994	409.5231	11758.24

43.91674	7424.703	390.6268	11389.87
44.30846	7076.555	376.8172	11115.25
34.74594	6890.535	368.9677	10611.83
33.02442	6869.782	370.1752	10589.17
38.39945	6928.5	367.7381	10693.84
33.88163	7030.259	379.0785	10824.91
32.32722	6866.993	371.2936	10595.42
40.72907	7443.982	394.4519	11386.36
47.97689	6993.061	376.3931	11273.89
41.71772	7501.799	396.6816	11467.48
37.39753	7480.238	401.2998	11454.07
38.82102	7946.377	423.7526	12045.69
49.68823	8244.983	430.5357	12500.46
46.21638	7691.979	403.3327	11755.32
44.20589	7503.118	394.6579	11492.91
33.51351	7012.732	378.6196	10803.35
32.43645	7074.24	383.9945	10902.64
34.13739	6787.628	363.6942	10471.78
37.61353	7320.512	391.1958	11220.08
38.32345	7616.517	407.7513	11635.84
49.89302	8373.984	437.4262	12671.08
51.80039	8389.71	436.5813	12704.29
53.70958	8514.57	441.7555	12881.52
59.87643	9266.648	476.9054	13896.21
62.49154	9378.21	480.8851	14064.38
60.67415	8802.008	452.1979	13325.67
38.51864	7491.866	400.2618	11461.65
42.72755	7670.545	405.3224	11702.09
46.83438	7932.88	415.9139	12070.74
57.07519	8273.305	426.9327	12621.85
64.0825	9234.852	472.4601	13906.04
62.90459	8855.265	453.6795	13422.62
55.06897	7699.874	403.2822	12074.79
59.87334	8213.095	424.0009	12663.38
66.63725	8563.712	438.6209	13229.9
63.54126	8756.739	448.2888	13310.57
56.82592	8968.766	463.5275	13490.31
60.57854	8739.739	449.0451	13247.49
55.70557	8126.974	420.1133	12421.29
48.0846	7297.215	386.3383	11456.32
46.6001	7598.362	398.0272	11641.36
46.19196	7609.42	398.9139	11650.52
46.02676	7717.978	404.8721	11786.08
50.66263	7912.539	411.9816	12086.94
53.56914	8098.775	419.9267	12357.4
61.56813	9262.942	475.5211	13909.96
59.93691	9271.886	477.1352	13903.41
49.1613	8338.637	436.1825	12620.77
49.37843	7608.097	397.4101	11712.77
45.7482	7716.794	405.0194	11781.44
45.00706	7198.472	381.0751	11222.79
54.94022	7552.065	397.8049	11841.63

53.79475	7946.516	411.8084	12170.55
54.6839	8203.341	424.7114	12502.47
58.97137	8540.103	439.6649	12978.54
56.4007	8200.51	423.5386	12522.21
60.18343	8519.059	437.8929	12969.5
63.96709	8728.358	446.613	13281.89
65.19046	8205.848	423.3199	12888.5
65.69073	8230.756	424.2461	12876.32
64.78933	8400.547	431.8192	13024.4
67.16975	8600.063	440.1215	13280.8
59.16745	8313.095	427.819	12700.54
52.08498	8084.974	420.1483	12320.92
51.74147	8384.896	436.37	12697.58
56.45221	8769.81	453.2655	13233.81
61.26715	9088.62	466.6494	13688.61
64.73012	8959.494	458.0284	13576.98
52.43328	7631.156	399.9014	11895.5
53.29194	7356.106	390.3877	11763.47
53.20751	7869.375	408.7322	12088.82
54.16986	8190.425	424.3538	12479.57
55.05783	8329.225	431.0564	12664.09
62.67443	8080.263	418.5719	12543.95
64.37072	8520.042	436.987	13099.19
59.38833	8597.392	442.3853	13055.15
60.24823	8468.922	435.272	12908.51
61.43084	8551.424	438.8785	13027.25
62.79459	8032.946	416.5703	12610.81
67.57156	8442.482	432.9614	13168.96
68.9974	9111.114	463.5672	13825.86
72.26016	9340.398	473.593	14155.37
75.46038	9565.287	483.4266	14478.55
71.11325	8647.359	440.792	13468.23
64.83186	8937.201	456.8357	13551.08
62.7461	8900.917	456.1079	13476.55
61.40546	8857.134	454.6148	13403.81
63.17512	8903.962	456.0272	13486.39
66.9497	8905.647	454.1426	13543.64
69.04979	9369.653	476.6478	14142.7
66.4842	8934.504	455.8446	13572.06
60.70281	8886.95	456.5565	13430.89
65.24865	8997.257	459.6819	13630.86
69.72961	8811.803	449.0438	13556.51
67.89788	8940.041	455.4239	13600.02
57.98046	8310.717	428.3562	12680.82
53.47647	8355.055	433.4256	12675.89
59.91181	8744.542	449.6785	13244.21
68.05486	8950.832	455.8954	13615.6
70.12028	8727.502	445.0014	13500.54
68.18606	8669.441	442.9855	13377.96
67.85784	9124.779	464.8275	13825.52
63.7373	9091.197	465.3045	13724.62
67.24664	9173.7	467.6262	13876.38

72.22854	9371.657	475.1846	14192.98
74.09897	9257.934	468.6959	14107.68
71.38435	8924.756	453.7452	13715.41
69.22622	8925.417	454.4006	13631.25
73.10781	9005.425	456.8553	13848.46
71.68629	9266.867	470.1535	14056.93
72.20061	8906.515	452.5332	13729.67
65.12549	9018.14	460.8131	13654.71
69.5559	9246.708	470.1634	13999.99
77.96525	9850.544	496.589	14864.02
78.46383	10069.67	507.3226	15137.54
77.02296	9962.53	502.6276	14985.28
77.2869	9910.028	499.8755	14925.63
76.12462	10037.61	506.8168	15062.7
75.66091	10037.42	507.0312	15055.42
76.01248	9887.392	499.3351	14878.49
75.43413	9386.008	474.4533	14271.69
76.10624	9575.212	483.6326	14500.7
73.51936	9181.409	465.1995	14018.36
73.84526	9129.708	462.5408	13984.52
72.27136	9441.693	478.6965	14278.99
74.55531	9536.355	482.3883	14429.32
73.80347	8905.03	451.6052	13783.91
74.25471	9046.749	458.2743	13925.14
73.06915	8817.912	447.8181	13682.54
72.89059	8953.62	454.4617	13795.33
73.7937	8941.334	453.3809	13815.75
75.40781	9199.397	465.1767	14101.8
68.87724	9166.208	466.4199	13891.41
71.36445	9277.454	470.8407	14064.91
72.31254	9444.65	478.8259	14283.22
75.37392	9381.9	474.2753	14265.78
64.38677	8963.965	458.4403	13577.51
65.06355	8924.135	456.0467	13538.41
70.95553	9150.227	464.6067	13903.44
72.36993	9065.988	460.0844	13874.34
66.32445	9014.674	460.009	13667.97
67.51496	8771.639	447.723	13433.9
67.79222	9057.638	461.4497	13742.36
70.69028	9230.078	468.7691	13996.83
73.64167	9369.076	474.3951	14211.62
72.36823	9482.201	480.6929	14329.83
74.59081	9469.493	479.0111	14348.55
69.32381	9134.052	464.5702	13858.83
67.45035	8323.196	427.6668	13067.65
66.51395	8407.265	431.7373	13099.75
66.04283	8254.805	425.1793	12908.6
66.30452	8300.426	427.0959	12903.09
69.22498	8499.886	434.8869	13169.56
70.72887	8953.985	455.3459	13715.32
69.41374	9172.415	466.4699	13907.07
66.36489	8926.12	455.478	13560.01

64.91188	8913.244	455.5701	13522.83
65.2805	8879.848	453.6734	13487.23
66.21872	8885.437	453.4796	13507.96
68.48715	9106.827	463.6012	13812.95
72.80712	9345.058	473.5716	14169.46
73.72014	9442.996	478.0793	14302.81
73.15877	9301.679	471.2234	14122.06
71.19966	9097.069	461.9326	13855.83
60.40541	8946.403	459.7962	13500.23
62.158	8828.849	452.7366	13379.5
68.45468	9199.188	468.3041	13925.43
64.02871	9054.876	463.2841	13684.1
68.51936	9077.521	462.0983	13777.59
72.19683	9128.132	463.1156	13921.69
72.96837	9106.831	461.8124	13932.33
72.61978	8898.156	451.9295	13737.31
72.48882	8852.237	449.7943	13692.71
72.32495	8841.047	449.3438	13677.26
72.62995	9009.78	457.2842	13835.03
74.07923	9293.556	470.4471	14138.63
73.24274	9273.452	469.7634	14089
65.01655	8712.18	445.2493	13277.52
57.44819	8377.312	432.1162	12755.96
58.15767	8401.962	432.9834	12796.3
59.11618	8389.948	431.8197	12794.85
61.48413	8527.148	437.6016	12998.09
64.66859	8651.421	442.6211	13214.41
68.0881	8984.483	457.5878	13657.28
71.94415	9218.185	467.5757	14001.54
69.73661	8886.263	452.4808	13619.16
65.81764	8797.044	449.1765	13393.6
70.72774	8916.922	453.6112	13683.78
75.07128	9398.214	475.2124	14269.37
56.57452	8518.461	439.975	12919.27
51.88549	8070.243	419.5029	12299.96
55.08929	7553.003	397.8596	11978.26
61.96558	8504.012	436.1574	12976.56
70.88011	8816.365	448.8425	13604.01
64.67673	8318.827	428.3214	12956.11
53.72219	8229.908	426.7044	12522.94
46.52942	7735.771	405.4524	11814.33
46.81336	7654.675	400.8955	11715.1
50.07747	7870.222	410.1292	12026.47
55.15056	8286.605	428.7736	12612.29
56.51145	7576.015	398.8647	12060.03
50.38923	7870.441	409.9341	12030.68
46.4884	7488.672	392.2185	11501.26
49.94114	7705.681	401.4962	11818.15
59.05072	8385.381	431.6201	12788.28
67.07794	8482.782	434.9216	13182.52
59.86172	8469.123	435.4951	12903.26
57.49546	7791.437	407.1571	12253.32

50.39004	7870.5	409.9367	12030.76
52.64814	8126.563	421.9703	12380.11
56.69804	8400.092	433.7441	12774
62.24141	8806.629	451.5494	13353.31
62.68023	8724.396	447.0902	13258.32
44.1193	7762.088	409.0323	11829.94
42.72585	7449.056	392.8824	11407.93
38.37845	7330.256	390.6955	11230.06
37.57878	7227.662	385.5741	11085.43
50.03546	8301.781	433.3357	12577.2
45.91899	7569.498	396.9652	11596.77
45.35985	7469.79	391.9991	11463.8
53.23632	8146.219	422.6251	12412.24
43.90443	7767.668	409.5853	11837.08
44.10304	7610.216	400.5423	11628.06
50.40443	7983.203	415.8938	12172.33
53.95889	7549.943	397.5181	11921.4
56.55019	7763.947	405.9843	12189.85
56.76904	7676.962	402.7154	12007.7
51.70117	7247.449	386.1992	11616.94
50.40847	7242.576	385.6368	11430.12
57.16678	7657.831	402.0079	12145.92
57.79334	8375.987	431.847	12759.08
59.81974	8209.437	423.8462	12658.19
56.01944	7542.408	397.5692	12014.71
40.68697	7277.994	385.1874	11167.76
39.77883	7311.443	387.8224	11202.01
37.00146	6955.595	370.4787	10715.63
35.10958	6860.416	366.8846	10575.09
39.91812	7118.561	377.0297	10954.81
50.51502	7812.302	406.7746	11959.35
58.58753	8014.198	415.9362	12460.37
43.87479	7903.898	417.4138	12023.07
34.51239	7023.52	377.5428	10806.74
32.47554	6783.06	365.4383	10461.16
28.88332	6495.404	352.8105	10058.48
38.63072	7407.778	395.0254	11340.28
47.53952	7989.346	418.3927	12149.79
45.64466	6907.982	372.5549	11100.06
43.82721	7304.38	384.1647	11235.63
56.77819	8175.665	422.0293	12496.6
64.74896	8582.872	439.6723	13164.66
59.61849	8749.472	450.1053	13246.29
49.60221	7835.853	408.6247	11977.36
55.69415	7594.312	399.4801	12034.5
61.26026	7900.382	411.3683	12497.46
45.40683	7413.771	388.9452	11393.3
41.57649	7344.592	388.1064	11262.28
39.01555	7086.786	376.0298	10904.76
35.0379	6826.077	364.9976	10529.44
37.11786	6901.939	367.356	10646.85
36.33414	6830.916	364.0555	10547.01

35.17206	7095.046	380.9916	10907.56
36.83667	7201.76	385.0558	11051.89
31.6767	6942.745	377.7223	10728.48
28.10241	6617.166	363.7517	10293.03
33.66942	7011.707	378.2644	10799.46
30.07009	6518.955	352.4789	10087.9
28.91121	6441.77	349.279	9978.141
40.54126	6819.406	366.1138	10753.48
39.05151	6792.006	363.8786	10645.68
39.30672	6883.711	366.6248	10705.89
38.61394	7041.226	373.8403	10841.92
37.28914	6783.184	361.6637	10525.48
36.21414	6598.355	355.6858	10370.72
43.32794	6824.008	368.5431	10923.63
55.41685	7529.037	397.0166	11934.44
38.77238	6954.325	368.8667	10731.07
40.42389	6922.808	368.8718	10796.89
48.06206	7221.477	383.8604	11411.06
33.40524	6842.941	367.7571	10542.89
42.16532	7115.911	376.0819	11004.37
51.80035	7291.304	387.754	11649.26
30.48699	6696.932	363.5201	10358.01
27.43941	6457.359	353.6285	10035.18
32.17238	6948.634	377.0488	10727.08
27.06103	6320.291	344.3174	9805.886
35.40974	6246.124	346.0507	10052.1
44.7084	6908.958	372.0279	10872.32
51.21976	7297.982	387.8152	11503.79
55.89058	7978.333	413.8891	12302.4
44.54509	7566.85	397.8482	11577.73
30.08425	6531.993	353.2373	10105.54
35.16327	6489.469	351.7427	10252.96
49.56191	7723.42	402.683	11835.57
55.94233	8269.183	427.3842	12601.24
41.65663	7314.859	386.4105	11225.01
42.84396	7087.966	375.9156	11032.46
43.13919	6690.459	364.4764	10808.86
36.81768	6230.831	347.0109	10245.98
32.64973	5974.016	336.6755	9847.213
35.5393	6254.972	346.4008	10063.81
41.20051	6641.574	361.6999	10575.41
45.85837	6904.007	372.5513	11037.55
37.778	7028.429	373.8624	10817.4
39.01502	7037.196	373.2736	10840.67
36.92441	6293.841	348.718	10222.4
39.69822	7018.442	371.6687	10823.48
33.64377	6847.086	367.6292	10546.72
30.14648	6572.74	355.5845	10160.75
27.68843	6347.723	345.1528	9845.341
37.10874	6436.485	352.5462	10356.71
45.35288	6888.055	371.7731	11072.93
40.75494	7178.649	379.6593	11040.79

46.3512	7600.753	398.3334	11641.43
32.00365	6906.348	374.5726	10663.57
29.44575	6551.777	355.5959	10140.59
33.2146	6842.242	368.0363	10544.01
37.1765	7108.633	378.9204	10916.34
38.62676	7520.413	401.8237	11501.91
30.05919	6802.609	371.886	10542.91
39.03279	8063.994	429.452	12192.35
33.12624	7064.595	382.7569	10890.08
20.53045	5939.215	333.8192	9370.301
30.58166	6893.713	376.0336	10659.79
34.98416	7612.935	409.0665	11590.31
34.58302	7122.634	383.7519	10956.03
36.17961	7030.941	375.5102	10806.9
29.7936	6308.917	340.2849	9802.946
39.03601	7022.165	372.4205	10821.46
33.91597	6673.662	357.3687	10319.75
41.12804	6970.863	370.9213	10865.43
43.13179	7144.733	377.8465	11079.88
39.18356	6448.135	354.7448	10428.52
39.78946	7092.41	375.6893	10919.79
35.11454	7090.158	380.7771	10900.82
33.60402	6747.695	361.944	10415.11
45.92721	6890.169	372.1541	11105.71
37.21446	7303.952	390.7786	11198.72
28.05	6571.416	360.4999	10214.95
19.34569	5781.109	326.4537	9154.194
31.40296	6658.676	359.1702	10282.53
37.92473	6390.016	352.1169	10296.52
46.58844	7780.99	407.8352	11872.21
30.82868	6863.07	374.2273	10620.92
25.33663	6347.072	351.5926	9924.347
23.48908	6134.65	340.4029	9606.648
29.89909	5814.03	329.9764	9581.394
28.74824	6316.504	341.9295	9807.138
27.87721	6434.947	350.7784	9981.098
31.48615	6820.838	369.8891	10537.69
44.33281	7849.993	413.8149	11950.14
49.96096	7314.034	387.8727	11568.55
47.71294	7049.235	378.0964	11292.38
43.49864	7169.767	378.9227	11115.75
37.76201	7106.633	378.2561	10918.78
39.76861	7310.647	387.7875	11200.89
45.02802	7836.34	412.2915	11933.39
39.58449	7528.825	400.9555	11508.67
39.29857	7174.044	380.6312	11020.22
37.04113	7183.73	383.6457	11024.23
33.10233	6804.613	365.7644	10486.97
34.05	6069.656	340.3868	9975.587
23.31978	6144.911	342.1008	9641.048
23.44823	6169.65	343.8099	9684.836
36.78185	7127.899	380.5762	10943.88

48.74492	7156.811	382.0843	11410.19
25.64698	6310.355	347.4892	9837.586
26.76429	6362.303	348.2121	9887.881
35.06503	6842.58	365.9119	10551.32
44.03944	7452.66	392.05	11426.84
45.32397	7565.947	397.2106	11585.37
50.98261	7569.218	397.0545	11779.01
56.81096	7892.92	410.9297	12290.53
48.3454	7463.412	391.9281	11567.96
48.65272	7638.554	398.7686	11717.29
49.10451	7097.897	380.2866	11355.74
53.09147	7490.711	395.1539	11839.99
53.6767	7530.673	396.749	11894.91
55.77644	8207.116	424.2489	12521.86
53.36732	7843.206	407.8748	12080.65
60.10142	8622.401	443.2684	13095.97
52.58317	8004.531	415.5954	12226.8
41.93653	7626.795	403.7106	11641.25
40.69869	7482.59	396.7639	11440.58
40.30246	6803.106	365.4354	10730.55
41.3055	7218.182	381.3894	11097.35
43.28817	7784.712	411.2582	11859.57
42.33282	7834.656	415.3015	11928.88
50.14922	7623.603	398.4338	11766.01
53.38471	7696.1	402.6046	11986.87
46.96823	8071.788	423.549	12256.98
48.15977	8065.624	422.0484	12254.59
46.61107	7965.691	417.9693	12113.59
54.91442	8441.749	437.0242	12802.24
63.332	9002.358	460.9816	13609.66
62.98726	8499.671	436.0972	13021.24
46.35862	8121.045	426.9421	12320.88
44.37985	7853.953	413.9887	11955.61
50.37126	8500.26	443.8894	12839.18
57.63716	8866.632	457.5154	13368.69
57.75046	8320.758	429.0076	12690.05
41.61231	7418.647	392.1376	11357.55
41.70839	7976.677	423.7906	12116.62
49.7529	8361.964	436.8987	12654.53
60.15445	9217.924	474.156	13837.94
57.49572	8224.989	424.1842	12567.8
43.79129	7804.42	411.8148	11887.09
45.04171	7837.458	412.3406	11934.94
49.80912	8227.003	429.4394	12477.62
52.34246	8584.125	446.648	12960.52
55.83785	8851.121	458.0585	13331.62
59.75261	8967.34	461.3254	13518.84
59.98997	8641.515	444.3178	13118.03
63.45772	8634.822	442.0892	13159.42
65.95726	8369.252	430.2201	13047.5
63.48922	8724.038	446.6417	13269.6
59.70644	8810.317	453.1944	13322.68

57.39651	8529.033	440.0214	12943.34
62.02972	8791.104	450.8694	13331.19
63.56583	9019.984	461.7543	13634.64
66.82448	9327.064	475.6502	14058.1
66.94844	9182.615	468.2346	13882.93
64.31132	8515.987	436.8155	13093.43
57.77415	8296.325	427.727	12660.1
62.50582	8883.05	455.325	13451.16
64.82172	9025.561	461.3542	13659.43
63.75204	8551.859	438.3408	13096.01
64.0123	8236.44	424.919	12864.96
63.45215	8198.19	423.3923	12812.39
53.51338	8190.46	424.7695	12471.03
50.17935	8144.219	424.5777	12371.64
50.9709	8138.442	423.7172	12373.95
55.32063	8547.527	442.2842	12939.05
62.32285	9096.816	466.3999	13711.84
66.31405	9135.766	466.1822	13816.26
60.88692	8282.272	426.9276	12761.6
61.28648	8708.705	447.0473	13219.12
66.31314	9257.537	472.3851	13965.52
64.73391	9256.299	473.1888	13941.52
55.93654	8628.8	446.1581	13049.05
64.46784	8763.292	448.1401	13332.17
59.59529	8612.57	443.0501	13076.78
58.21169	8616.387	444.06	13062.56
63.27178	8708.758	445.9735	13247.64
66.03321	8559.487	438.5416	13201.53
66.71955	9043.044	461.2505	13708.56
56.89891	8738.822	451.2937	13198.95
64.20795	9068.388	463.8764	13703.25
74.11995	9471.091	479.3078	14343.19
75.79375	9941.731	502.1652	14941.17
73.33755	10102.35	511.4535	15098.77
72.08666	9428.431	478.1161	14260.01
66.12919	8818.46	450.1122	13424.51
63.65789	8582.456	439.6326	13115.15
62.9945	8602.979	440.6981	13113.45
68.44847	9167.189	466.6835	13886.2
69.26126	9385.378	477.3369	14165.05
69.69991	9321.428	473.8761	14093.43
74.23993	9652.063	488.3533	14565.22
75.77982	9834.797	496.8059	14811.02
73.68865	9885.726	500.376	14841.22
72.00536	9322.493	472.8101	14129.64
69.2906	9547.46	485.5352	14363.57
61.99877	9374.645	481.0338	14054.28
61.33815	9169.04	470.7894	13789.98
65.51075	9286.792	474.3133	13989.93
71.23181	9367.048	475.4298	14172.18
66.67936	9346.623	476.7238	14079.98
68.62933	9591.528	488.1194	14407.85

70.3968	9632.541	489.2679	14483.71
70.1441	9451.025	480.2135	14258.34
71.78621	9174.073	465.4229	13945.32
73.37794	9282.677	470.1662	14102.33
74.09334	9469.221	479.226	14340.5
75.50103	9568.144	483.5516	14482.66
76.24721	9904.846	500.0999	14903.3
77.3242	9804.513	494.5746	14798.15
75.29658	9483.681	479.4036	14376.81
76.19967	10078.86	508.8492	15113.94
76.82487	10126.94	510.9588	15181.84
75.23468	9689.491	489.7669	14626.03
75.30323	10009.91	505.8242	15016.58
74.63483	10110.85	511.2216	15128.86
76.61705	9825.181	495.9335	14812.25
76.3767	9985.674	504.0917	15003.45
75.134	9787.104	494.7165	14743.15
67.9946	9798.54	499.0285	14652.63
65.15257	9642.639	492.795	14424.21
68.1836	9556.563	486.5843	14358.65
75.08273	9573.687	484.0211	14482.89
74.82543	9938.352	502.463	14922.36
69.98147	9964.131	506.2962	14882.24
66.54486	9366.856	477.8268	14102.84
64.1075	9434.951	482.7659	14154.32
72.9902	9561.049	484.3681	14435.35
75.99508	9202.524	464.9919	14124.47
73.72646	9443.44	478.0987	14303.45
75.21393	9687.991	489.7012	14623.89
74.801	10040.87	507.6263	15046.66
73.12048	10413.68	527.2394	15472.67
66.84622	9954.01	507.6772	14828.79
66.39752	9582.442	488.9354	14365.89
68.44033	9663.03	491.8653	14492.71
70.1218	9886.753	502.2929	14789.83
73.3609	9622.105	487.2652	14515.35
70.73756	9658.75	490.4178	14520.72
68.33635	9316.603	474.3232	14067.31
68.76465	8523.958	436.1856	13280.42
66.48174	9025.968	460.5032	13684.13
67.56275	9072.492	462.3197	13757.13
68.75488	9062.365	461.2139	13762.6
67.35082	9026.394	460.0831	13697.53
68.1184	9174.87	467.2396	13890.69
70.23207	8994.056	457.3515	13729.59
71.58009	8938.117	454.3014	13734.21
71.1579	9427.609	478.5253	14244.94
71.63524	9528.727	483.3973	14375.46
73.40342	9727.466	492.5497	14644.27
74.08439	9537.45	482.662	14423.38
71.51978	9081.93	461.1293	13855.5
70.49282	9216.202	468.1623	13976.89

73.31961	9516.963	481.9905	14386.7
70.89199	9342.647	474.362	14137.27
66.86893	9146	466.413	13836.91
68.62247	9274.6	472.0454	14020.16
69.04608	9528.654	484.7101	14337.02
72.63765	9636.443	488.3385	14521.85
74.38794	9732.009	492.3029	14664.75
73.91593	9628.467	487.3201	14531.55
74.68261	9892.707	500.2387	14864.69
75.08755	9853.556	498.0763	14823.23
72.51285	9492.659	481.1507	14344.78
73.59987	9366.182	474.2687	14207.45
75.7617	9586.462	484.3526	14508.98
77.03791	9783.957	493.6749	14768.74
76.68484	10044.66	506.9021	15079.79
75.29914	9191.979	464.8679	14091.36
72.80384	9021.65	457.7783	13851.73
71.37904	9245.433	469.2165	14026.08
71.17318	9095.262	461.8543	13853.23
70.04032	8943.981	455.0733	13679.72
71.81459	9176.01	465.5075	13948.12
67.76908	9651.895	491.6801	14469.74
53.29243	8727.224	453.5413	13152.23
58.29154	8727.855	449.7853	13201.65
65.36616	9095.742	464.6451	13753.43
70.68193	9294.873	472.0491	14075.78
73.09592	9534.824	482.9964	14405.03
73.41803	8952.656	454.1421	13812.92
72.18449	8702.013	442.782	13439.59
68.71217	8446.381	432.674	13214.42
61.45056	8664.703	444.6932	13167.19
60.05743	8619.197	443.1281	13091.4
67.17104	8637.155	441.7744	13310.8
64.37064	8631.091	441.7401	13185.15
67.56601	9010.526	459.1688	13681.31
61.23722	8677.251	445.4566	13179.64
59.32775	7990.642	415.0866	12478.21
71.37649	9212.209	467.5398	13985.51
69.19714	8886.439	452.6192	13597.64
52.45449	8322.693	432.4133	12622.74
52.54318	8235.944	427.7907	12515.44
48.42145	7793.108	407.1597	11909.07
47.67417	7780.184	406.9975	11883.81
55.38523	8453.083	437.315	12822.43
55.53703	8514.591	440.4266	12900.88
56.34958	8501.39	439.2264	12895.1
54.66253	8495.902	440.0178	12866.42
52.69916	8153.837	423.3709	12414.83
59.26688	8346.739	429.5033	12743.56
63.18889	8254.262	425.789	12843.96
63.04726	8750.563	448.235	13295.82
50.29639	7522.38	395.089	11712.81

46.77777	7549.674	395.2907	11581.93
52.32985	7809.487	406.1371	12002.63
50.74125	7895.718	411.0403	12066.85
54.22096	7864.39	409.0295	12139.88
53.70107	8036.195	416.5646	12281.11
56.74232	7962.347	413.5522	12334.64
63.06646	8079.275	418.4577	12607.64
58.1042	8345.616	430.0946	12725.77
59.01198	8228.397	424.4347	12632.56
68.65787	8886.633	452.7332	13575.68
68.27701	8966.103	456.5625	13637.64
47.60268	7921.189	414.5862	12060.9
44.97431	7657.667	402.4259	11697.85
44.42501	7538.58	396.4105	11540.45
48.06707	7893.961	412.7904	12031.93
57.0035	7683.734	402.9883	12156.25
57.93036	8228.688	424.1325	12578.5
47.85343	7730.42	404.212	11823.18
46.42088	7924.959	415.8737	12058.16
51.86311	7443.913	393.1011	11747.91
46.55646	6896.039	372.6531	11143.05
38.55911	7288.991	387.957	11170.07
36.28053	6963.205	371.5819	10719.26
40.78775	7233.272	382.6403	11111.31
45.79093	7560.237	396.5598	11583.53
60.0518	7854.878	409.6709	12412.92
48.91943	7085.256	379.7961	11338.78
39.25105	6987.474	370.3154	10778.85
37.20284	6876.815	365.8689	10614.97
39.94912	7052.81	373.3678	10870.42
40.94295	7402.168	391.8046	11329.81
40.49323	7367.119	390.2662	11280.44
46.17204	8004.781	420.6082	12164.28
55.01902	8351.03	432.2194	12690.71
65.19737	8814.185	450.3649	13405.42
66.87036	9330.57	475.804	14063.05
54.25814	8439.878	437.3533	12791.52
59.59071	8119.722	420.2371	12582.84
49.1815	7892.267	411.909	12043.1
51.01664	7779.612	404.7262	11924.88
42.02012	7655.361	405.2729	11680.87
34.7693	6951.058	372.5035	10694.61
43.90945	7538.276	396.7939	11534.4
43.00288	7358.616	387.7339	11295.44
44.331	7589.285	399.2286	11603.9
43.74136	7260.573	381.8492	11178.83
43.35077	7327.58	385.779	11259.73
58.59634	7755.47	405.805	12278.22
50.70437	8214.092	427.952	12467.07
34.87252	6990.769	374.8661	10753.62
34.43782	6852.659	367.116	10559.7
36.51693	6843.855	364.6214	10565.58

41.89413	7152.524	377.3295	11019.64
46.53416	7552.912	395.6347	11583.08
52.40631	7481.003	394.5941	11799.12
53.14248	7925.744	411.1105	12135.83
40.80206	7147.173	377.8882	11000.84
39.1834	7132.216	378.4091	10965.09
40.33334	7165.566	379.2832	11019.59
39.46406	7069.21	374.6743	10886.54
47.56861	7447.502	390.863	11513.69
36.19854	7114.882	380.6237	10928.32
25.84422	6394.761	353.6846	9988.726
32.71081	7077.424	384.0405	10910.04
35.86838	7054.75	377.3651	10841.49
42.95473	6761.399	366.4369	10869.27
45.24608	7363.24	386.3333	11327.26
34.36417	6719.758	359.577	10384.16
41.05334	6817.226	366.5237	10784.15
39.60018	7129.362	377.894	10965.52
35.98669	6545.672	354.1012	10332.39
36.39396	6895.864	367.67	10632.33
31.37813	6631.508	357.6034	10246.06
34.54446	6633.068	354.4425	10271.6
32.16544	6470.748	347.353	10036.92
30.50083	6171.234	338.3879	9803.18
25.63288	6374.906	352.8136	9961.921
28.52511	6345.12	343.9274	9845.012
27.39942	5773.532	325.8585	9441.216
24.9457	5457.131	316.4244	9163.906
21.139	5851.375	323.5559	9144.908
23.10232	5919.488	324.7367	9239.063
31.4043	6456.705	347.3096	10012.49
40.11322	7064.258	373.8683	10886.89
37.58769	6803.556	362.5465	10554.8
38.84541	6777.939	363.2835	10625.7
32.2266	6749.521	363.6558	10411.79
36.16716	7045.033	376.3197	10825.21
48.8078	7993.591	417.5634	12166.11
35.37338	6953.451	371.9186	10699.18
22.32624	6014.52	334.1959	9426.549
23.06845	6029.764	332.3695	9406.653
32.94967	6537.675	350.4674	10132.07
39.50619	6470.17	355.6055	10457.96
37.53618	6354.214	350.8301	10346.11
33.97478	6677.855	357.5521	10325.76
13.62056	5244.72	303.5507	8443.703
11.07398	4999.206	292.6346	8112.071
25.23274	6035.64	329.0871	9406.121
23.73906	5821.373	320.9534	9183.771
4.462089	4569.238	265.9622	7315.122
15.42759	5328.724	297.4742	8385.807
16.68331	5450.179	304.0166	8567.509
29.02399	6381.961	345.5414	9897.439

34.32952	6802.013	364.3248	10492.2
46.6271	7763.539	406.87	11850.58
42.40232	7205.704	379.8524	11093.4
37.69218	6439.17	353.1826	10394.69
29.68746	5827.463	329.9992	9548.528
43.26793	6699.251	364.8176	10820.66
41.40401	7026.83	372.7777	10910.95
33.09529	6601.659	354.028	10218.03
30.02443	6396.217	345.2302	9922.185
30.0413	6397.419	345.2828	9923.908
25.52833	6152.698	336.048	9570.41
29.48432	6554.898	355.7329	10144.95
33.22805	7001.965	378.4574	10791.22
40.08668	7062.407	373.7874	10884.23
38.36426	6909.878	366.7285	10669.37
36.4139	7049.2	376.3117	10832.62
36.02245	6733.912	358.8469	10417.39
43.57964	6766.952	367.0222	10908.05
21.22541	5820.911	321.3223	9099.729
29.49349	5804.938	329.2816	9598.264
30.04363	5805.32	329.9652	9635.711
34.53216	6186.221	343.6757	10082.44
32.66314	6853.927	369.7895	10569.58
36.05495	7253.719	389.5034	11135.06
35.04778	7275.379	392.6236	11179.95
34.67075	7021.247	377.1332	10801.59
40.0295	7567.729	402.6627	11562.03
46.64018	7703.297	403.6284	11774.54
51.62585	7913.321	411.3986	12100.27
54.24557	7643.656	400.9999	11996.8
43.33136	7401.092	389.7921	11353.25
39.33414	6514.149	356.6526	10531.04
40.39182	7221.456	382.3186	11092.09
37.61642	7356.768	393.4057	11272.7
32.38427	7009.224	380.6384	10818.22
22.36434	6114.474	341.6294	9607.498
25.52354	6332.098	349.6893	9885.419
33.23556	6638.718	356.0304	10268.2
38.4565	6417.067	353.2959	10431.68
36.05499	6698.972	358.0145	10404.28
42.73053	7737.327	409.1787	11794.16
40.11551	7414.894	393.4837	11345.88
38.41865	7221.651	384.0738	11073.69
52.25654	8307.164	431.7315	12600.89
56.19748	8287.504	428.186	12627.46
37.0428	6865.569	365.3771	10598.81
41.34781	6837.328	367.3536	10812.3
32.81613	7021.626	380.5615	10829.03
34.05101	7045.067	379.7283	10845.22
40.82323	7492.766	397.2106	11454.75
42.80537	7743.686	409.4578	11802.93
45.96241	8136.04	428.2163	12340.12

35.13593	7390.228	398.1718	11320.96
28.51879	6838.167	373.9671	10563.67
39.34412	7527.225	401.1946	11507.49
38.44359	7578.52	405.611	11586.74
39.57598	7606.496	405.6004	11619.01
44.86666	7395.869	388.3644	11364.15
45.22999	7901.281	415.7578	12021.86
49.35877	8676.46	454.3706	13062.88
59.455	8943.508	460.2792	13485.48
51.84841	7975.218	414.5194	12180.6
37.72925	7258.054	387.2173	11128.8
54.43247	7767.62	405.5815	12087.48
59.91035	7993.379	415.2203	12506.68
46.41989	7544.824	395.281	11571.47
40.95054	7606.798	403.7591	11614.4
46.49069	7373.944	387.7006	11408.3
44.88656	7729.026	406.3493	11787.51
47.09536	8133.97	426.8935	12340.5
52.71991	8707.505	452.9829	13122.82
45.97527	8037.876	422.6765	12208.14
51.87611	8184.979	425.5552	12443.38
59.84414	8386.421	431.2369	12800.84
48.23592	8151.802	426.7532	12369.23
38.19693	7499.91	401.2338	11475.52
47.69726	8028.21	420.4061	12202.35
60.95498	9063.622	465.552	13653.62
50.25918	8150.482	424.8526	12380.45
55.70949	8477.856	438.4016	12857.46
65.33466	8763.843	447.726	13345.67
57.60229	9001.055	464.6385	13538.58
60.70825	8970.158	460.8392	13533.65
56.80318	8832.153	456.3078	13316.53
49.14702	8611.563	451.2342	12980.42
50.54334	8715.337	455.4783	13121.39
59.09091	9668.518	498.3981	14392.52
56.58716	9115.729	471.5078	13675.02
51.58933	8490.103	442.2149	12833.27
45.06202	7527.13	395.3108	11533.1
45.81097	7826.235	410.9247	11922.78
53.65521	8821.132	458.2756	13275.81
60.08867	9357.724	481.5133	14012.71
64.17667	9321.607	476.8772	14014.76
67.84967	9092.948	463.2147	13786.44
63.46265	8954.199	458.4427	13552.28
65.15401	8721.558	445.6589	13291.08
67.1699	8920.896	454.809	13565.62
62.53738	8856.866	453.9639	13419.37
46.57136	7987.76	419.2456	12142.97
49.54241	7962.891	415.4097	12136.27
50.83897	7188.556	383.929	11537.52
54.53188	7959.743	412.6482	12218.89
55.74678	8430.58	435.914	12799.19

58.91874	8616.318	443.6368	13072.09
55.74481	8405.37	434.6012	12767.83
53.48824	8434.744	437.6388	12776.72
54.26023	8342.827	432.2731	12670.63
54.9417	8614.24	446.1307	13020.71
58.43713	8966.997	462.2264	13503.94
49.10725	8306.572	434.4679	12578.23
55.18226	8487.124	439.2213	12862.15
64.76972	9140.405	467.2486	13799.71
61.54854	9186.232	471.544	13813.93
51.78485	8358.87	434.9209	12664.1
50.63728	8180.141	426.1548	12422.18
50.80607	7855.294	408.8606	12017
49.55044	7656.926	399.1603	11751.86
52.45246	8158.872	423.797	12417.98
56.15171	8678.988	448.6671	13115.19
63.30226	9641.292	493.9557	14400.8
64.53566	9630.195	492.5536	14401.33
66.81289	9111.176	464.67	13793.42
67.44076	8939.654	455.6287	13592.66
52.97833	8455.415	439.1589	12798.92
50.53487	8371.951	436.7226	12672.25
58.40181	8824.2	454.7364	13323.26
61.20335	8981.147	461.1114	13553.94
64.19152	9037.773	462.3199	13665.4
69.12636	9566.725	486.5977	14384.72
58.13607	9011.659	464.798	13557.27
57.02284	8816.436	455.3121	13298.76
61.42693	9063.976	465.2627	13659.74
65.57876	9141.635	466.8723	13812.81
70.59466	9321.298	473.4277	14106.72
73.87114	9590.885	485.4505	14485.13
68.87559	9197.859	468.0257	13930.09
59.36031	8864.419	456.1969	13384.88
63.42518	8864.46	453.8672	13441.37
66.57376	8707.406	444.9836	13342.29
71.43123	9315.22	472.7161	14111.99
73.58472	9604.346	486.264	14497.14
74.50195	9878.996	499.6375	14845.28
74.57697	9954.05	503.3735	14937.7
73.38412	9317.169	471.9002	14144.43
71.931	9146.972	464.095	13927.65
72.61015	9567.047	484.8538	14436.89
73.44517	9867	499.5544	14814.78
74.15284	9818.038	496.7423	14765.84
74.61611	9679.459	489.5529	14604.32
71.53509	9720.09	493.109	14607.34
74.30811	9553.4	483.3599	14446.24
75.01273	9813.052	496.0775	14772.84
68.6118	9936.588	505.6951	14829.97
69.2592	9772.437	496.9715	14638.07
69.80351	9393.457	477.4713	14182.97

70.13482	9515.158	483.4636	14336.52
72.82493	9819.295	497.4614	14747.42
69.28937	9067.673	461.2233	13777.18
70.11329	9351.533	475.1943	14136.39
72.7742	9680.356	490.4848	14577.41
73.30932	9516.224	481.9582	14385.64
73.01376	9257.829	469.081	14066.41
74.72353	9548.262	482.9091	14446.41
75.73129	9937.022	501.9588	14934.49
75.87812	9983.435	504.2174	14993.13
75.39846	10087.43	509.67	15112.25
74.6376	9993.424	505.3227	14986.5
74.17186	9440.266	477.7335	14306.48
69.7119	9386.692	477.1749	14173.34
73.49853	9632.198	487.7073	14529.73
73.66109	9507.271	481.3417	14380.14
75.45733	9810.982	495.7626	14777.13
75.49333	9637.899	487.0568	14567.32
74.34895	9238.024	467.614	14099.11
74.88557	9274.646	469.1759	14151.35
75.29108	9302.32	470.3562	14190.82
75.13301	9365.461	473.563	14242.12
75.27754	9447.324	477.5865	14332.31
75.16006	9293.379	469.9749	14178.07
75.34204	9342.761	472.3428	14229.22
74.23981	9193.607	465.4836	14055.54
74.58135	9399.468	475.4957	14263.23
75.54485	9571.223	483.6862	14487.08
73.99899	9103.231	461.1739	13966.5
72.60085	8970.817	455.4267	13800
72.60423	8897.094	451.8864	13735.84
72.75097	8907.113	452.2931	13749.74
73.77582	9235.882	467.7479	14076.08
73.39355	9135.85	463.0401	13973.53
73.38409	9098.231	461.2198	13940.03
74.78973	9342.037	472.5479	14208.41
74.73138	9264.123	468.7272	14136.34
74.76372	9620.658	486.5285	14535.07
72.50015	9111.853	462.2329	13919.16
59.74429	8623.497	443.5287	13092.35
61.04061	8663.032	444.8341	13159.32
62.95852	8772.982	449.4319	13322.13
66.18366	9065.351	462.6635	13728.03
71.08083	9257.523	469.9692	14036.27
73.08397	9466.125	479.5415	14321.18
75.57074	9608.231	485.532	14532.46
75.2746	9832.524	496.9308	14800.52
74.6268	9645.532	487.8426	14563.22
66.17025	8790.896	448.6874	13391.33
67.27291	8422.087	432.1543	13141.06
74.38435	9092.568	460.4527	13970.49
71.34795	9375.388	475.7948	14184.11

72.60468	9155.964	464.3121	13961.57
71.74047	9270.646	470.3187	14062.36
73.19656	9196.353	466.0485	14019.44
67.62317	8921.158	454.5989	13572.76
61.42223	8802.475	451.7942	13336.65
61.41062	8717.746	447.4432	13232.02
65.29707	8881.021	453.7247	13488.92
70.18082	9259.147	470.486	14024.59
71.60847	9228.274	468.2419	14008.67
71.37714	9311.391	472.5486	14106.5
71.8448	9311.209	472.3167	14113.42
65.43511	9070.858	463.3387	13723.89
69.40337	9139.643	464.8147	13866.86
68.90323	9326.973	474.5587	14088.36
61.32196	8711.289	447.1605	13222.81
58.38847	8603.3	443.2766	13048.75
57.22751	8490.561	438.1261	12893.37
57.67003	8549.511	440.919	12972.41
64.19772	8773.827	448.8188	13341.15
63.2225	8965.223	459.14	13562.43
59.70165	8864.113	455.9744	13389.09
64.59861	8890.749	454.5857	13490.64
64.28578	8838.862	452.0982	13422.35
60.30535	8664.644	445.3308	13150.98
57.01016	8525.814	440.0892	12934.18
60.17038	8873.322	456.1689	13406.81
63.7612	9288.337	475.4167	13968.19
69.80849	9458.314	480.7525	14262.27
69.61678	9443.961	480.1234	14241.9
71.27786	9271.369	470.5746	14056.17
63.4831	9013.748	461.481	13625.8
57.64644	8573.778	442.192	13002.16
58.79814	8580.73	441.8667	13026.41
59.01609	8409.698	432.8967	12817.86
61.85116	8014.805	415.9764	12607.01
61.68705	8597.394	441.104	13087.6
65.64515	8681.045	443.8947	13281.11
69.16736	8736.43	445.7509	13471.77
70.29051	8850.09	450.6374	13610.37
64.92288	8884.284	454.0855	13487.43
60.41227	8699.931	447.0888	13196.04
54.62853	8525.126	441.6067	12903.56
54.34882	8325.202	431.294	12649.82
61.97642	8871.929	455.0508	13430.02
62.24287	8374.816	430.8429	12892.99
50.53601	8015.388	417.508	12214.33
48.29508	7783.84	406.7538	11895.86
50.1015	7960.677	414.9067	12140.32
49.24297	7918.579	413.2647	12076.93
51.08049	7988.115	415.7005	12186.95
56.81787	8204.003	423.4796	12532.31
63.81931	8834.791	452.1368	13410.57

50.16444	8031.992	418.6423	12230.61
44.34323	7609.452	400.311	11629.68
48.07766	7662.167	400.4134	11739.86
55.10511	8060.657	417.0047	12330.58
58.75154	7756.801	405.8547	12240.16
53.66294	8009.517	415.1895	12247.33
47.75107	7785.902	407.2481	11891.94
46.71076	7790.335	408.2451	11885.42
50.34262	7956.305	414.5115	12137.82
54.07045	8013.74	415.1648	12258.08
59.15482	8127.012	420.4624	12567.37
54.32773	8080.232	418.4902	12344.39
54.85611	8141.971	421.3995	12428.38
61.42272	8133.677	420.8935	12676.66
52.46612	8136.508	422.6116	12390.2
51.52898	8066.824	419.558	12291.17
44.41509	6972.48	373.7517	11065.6
42.08887	7292.519	384.8405	11200.99
44.0347	7509.557	395.1387	11499.2
51.24909	7909.418	411.4342	12090.51
58.56196	8377.784	431.5012	12772
62.59035	8046.758	417.1875	12564.2
57.31068	8341.576	430.3415	12709.77
45.20762	8068.821	425.267	12248.32
45.89974	7882.802	414.0232	11999.29
50.14605	8198.07	427.5554	12441.97
58.32112	8387.238	432.1272	12780.34
62.55654	8470.278	434.8335	12979.12
44.84674	7964.964	419.785	12107.2
46.1595	8028.704	421.966	12196.37
52.86132	8476.398	440.3864	12825.06
46.00112	7192.097	381.6264	11277.8
37.63489	7112.733	378.7162	10925.58
38.07126	7146.296	380.1887	10972.98
45.08348	7666.008	402.7918	11709.64
50.98019	7980.76	415.3784	12176.46
53.68344	8034.957	416.5105	12279.33
50.84131	7670.831	400.4642	11833.67
51.42265	7256.229	386.4305	11568.26
58.60448	7718.979	404.3756	12252.83
48.92823	8291.214	433.7939	12557.08
45.43789	7869.83	413.7615	11980.04
58.61048	7719.389	404.3914	12253.38
46.7333	8052.016	422.6813	12229.63
33.54677	7452.796	401.829	11376.57
31.88442	6762.376	365.1506	10437.24
38.21968	7224.54	384.5096	11078.4
39.84011	7432.255	394.8633	11370.91
42.17529	7116.591	376.1114	11005.35
54.0687	7631.58	400.5096	11980.04
42.72295	7338.373	386.8478	11266.51
42.31305	7363.335	388.5342	11293.99

35.65151	6886.19	367.8229	10613.3
38.5776	7087.478	376.4493	10901.43
46.45513	7689.537	403.0254	11754.99
58.28727	8067.797	417.9775	12483.68
63.89638	8339.586	429.3235	12939.43
55.61156	7959.291	413.077	12275.24
56.49218	8410.439	434.4065	12784.08
36.01414	7166.601	384.1319	11006.34
39.96509	7240.948	383.7586	11112.95
47.13909	6963.656	375.0775	11175.56
38.3416	7070.05	375.6857	10876.63
28.59814	6461.924	351.03	10008.19
34.55313	6690.612	357.7269	10347.38
41.41683	6879.173	368.6015	10837.56
38.71789	7016.013	372.3469	10810.32
38.7603	6969.876	369.7424	10751.06
45.35781	7148.184	379.7986	11216.02
44.72325	7347	385.8259	11300.38
36.50032	6934.075	369.7288	10683.13
33.52454	6673.181	357.7293	10316.02
36.99739	6893.35	366.9802	10634.55
40.93707	7244.222	383.1199	11126.92
42.91481	7931.619	420.1732	12061.64
41.97932	7500.968	396.3368	11466.66
43.62473	7573.428	398.9283	11576.11
36.83041	7253.327	388.2475	11127.54
33.93611	6842.173	367.0353	10542.24
38.47954	7301.263	388.8047	11187.97
36.63346	7219.228	386.4415	11078.98
27.99834	6642.279	364.9457	10321.55
35.21154	6780.603	362.2397	10471.22
45.8979	7333.493	385.9615	11350.34
34.46089	7096.329	382.2877	10917.77
25.20573	6232.409	342.511	9707.767
27.0319	6515.713	359.3016	10156.33
17.12312	5576.659	318.1108	8890.98
25.49222	6198.027	338.9508	9633.666
41.20511	6976.123	371.1456	10872.93
31.56032	6696.711	361.3374	10337.68
33.50704	6740.434	361.6257	10404.8
33.22181	6759.753	363.0409	10428.35
40.13661	7151.339	378.6604	10999.26
50.74765	7738.612	402.728	11869.96
54.63901	8077.611	418.1661	12345.33
61.69966	8542.074	438.2539	13019.6
62.35312	8271.256	426.5479	12820.35
49.86278	7566.965	396.3446	11715.66
42.0982	7347.469	387.8391	11271.41
45.33616	7295.16	384.3135	11295.41
44.93675	6813.234	369.2406	10973.65
42.17977	7262.825	383.1451	11163.98
35.41689	7115.851	381.9047	10936.28

29.29478	6640.471	362.2855	10293.88
29.47867	6497.062	351.8907	10055.53
29.93074	6696.588	364.7478	10370.68
29.43452	6652.802	362.8266	10310.76
26.60897	6430.534	354.0079	10019.32
27.96	6451.834	351.8306	10008.29
32.43139	6515.202	349.6764	10098.13
28.35074	6221.541	336.6559	9675.712
31.75787	6033.946	337.0085	9837.722
33.4547	6484.368	349.4565	10133.71
37.80877	7319.1	390.8245	11216.84
39.3912	7336.849	389.7489	11236.38
31.10579	6787.585	368.43	10492.09
31.67575	6590.557	354.8683	10193.16
21.13462	6035.149	337.9334	9491.604
16.07103	5501.381	313.8208	8774.637
19.74807	5798.069	325.3226	9140.968
21.35211	5958.525	333.6119	9382.851
22.09234	6107.161	341.2539	9593.735
31.92677	6872.718	372.4761	10611.73
38.54129	7214.997	383.5891	11066.16
22.6593	6175.9	344.2932	9683.912
21.03841	5973.447	335.4161	9419.946
24.76591	6240.844	344.7506	9746.949
31.75006	6368.044	344.4556	9967.041
41.45024	6547.258	359.2085	10672.7
38.24533	6966.198	369.9725	10741.14
35.58175	6954.82	371.7881	10702.6
41.89434	7476.314	395.0592	11434.25
47.42434	7636.734	399.504	11699.77
39.56578	7448.806	396.2077	11395.11
31.77396	6845.999	370.9932	10572.2
45.43977	8260.227	435.8231	12507.01
38.28564	7735.508	413.6244	11781.05
30.48133	6793.894	370.2602	10517
40.50985	7568.991	402.1	11562.32
40.70016	7015.936	371.7496	10860.48
56.65543	7622.906	400.6497	12098.59
43.42729	7053.53	375.4136	11050.17
33.04233	6885.531	371.1766	10613.4
31.52244	6352.511	343.7878	9944.785
36.91672	6423.374	352.0184	10338.61
41.68546	7263.346	383.5635	11159.3
48.56759	7255.992	385.2617	11458.95
56.66622	7994.21	414.7405	12352.6
55.51343	7656.095	401.755	12067.3
29.28848	6595.089	359.0506	10217.43
27.09871	6538.381	360.3318	10184.31
37.51316	7401.502	396.2971	11338.48
43.88912	7858.902	414.8224	11961.63
47.63769	8075.76	423.1081	12265.27
48.13974	8170.38	427.876	12393.38

49.76973	7958.018	414.9934	12132.91
52.43974	8592.47	447.0142	12972.01
52.46856	8866.09	461.7838	13326.55
41.29269	7720.172	409.9696	11772.14
43.34087	7532.869	396.9519	11521.4
48.19532	7924.965	414.3513	12072.51
51.63343	8376.068	435.9825	12685.28
47.16154	8397.604	441.5407	12692.46
41.83741	7130.667	376.1755	10991.01
38.93636	7706.876	411.8928	11753.68
36.3883	7741.144	414.7565	11764.65
41.59525	8140.125	431.9638	12316.16
44.54895	8081.152	426.7333	12264.65
44.88957	7456.02	391.5976	11440.82
44.00673	7545.61	397.1155	11544.79
47.35227	7860.123	411.5065	11980.95
42.59836	7814.379	413.7943	11900.49
38.76559	7570.888	404.6571	11573.31
40.59714	7453.855	395.1939	11400.29
44.25426	7796.538	410.8525	11877.2
50.12289	8591.195	449.1093	12957.12
33.67395	7130.394	385.9536	10981.79
43.79501	7624.441	401.561	11642.9
50.99673	8352.969	435.2754	12650.55
54.77801	8921.124	462.6628	13412.38
59.67743	9321.436	479.9211	13963.05
47.99228	7635.021	399.0227	11704.58
49.64124	7772.843	405.2543	11898.68
59.56089	8339.94	428.9915	12739.35
53.5755	8314.815	431.2502	12626.95
42.70998	7757.742	410.3832	11822.3
41.43727	7796.417	414.2418	11878.08
49.81421	8451.106	441.7327	12771.91
49.65318	7817.589	407.6212	11955.05
54.78254	8112.194	419.8878	12390.32
65.57165	9291.506	474.5202	13996.58
58.04125	9003.679	464.4477	13546.23
63.22253	9022.987	462.0996	13633.49
59.79231	9367.679	482.2559	14022.28
45.02354	7835.973	412.2754	11932.88
46.69501	6979.716	375.3691	11197.73
48.48367	8038.076	420.2247	12220.06
48.41972	8193.943	428.9102	12425.98
55.60368	8569.73	443.2591	12970.29
54.01773	8539.497	442.8498	12916.33
50.84873	8455.976	441.0243	12784.01
54.04146	7629.721	400.4341	11977.46
50.05938	7824.599	407.7232	11968.97
47.8432	7058.131	378.4454	11304.49
49.24803	7940.701	414.4369	12104.81
54.62532	8223.595	425.8062	12526.9
56.6083	8342.506	430.8032	12701.32

52.20984	8453.083	439.6696	12789.69
49.60127	8182.233	427.1671	12417.43
49.0345	8382.304	438.7138	12677.75
53.22281	8475.192	440.027	12826.54
68.23516	8994.667	458.0329	13671.96
64.5101	9032.087	461.8557	13662.97
57.81799	8665.071	446.822	13117.58
59.02861	8677.966	446.7597	13149.85
61.38279	8242.049	425.3288	12754.94
62.4842	8767.427	449.404	13308.49
58.78014	8739.072	450.0687	13222.08
69.11223	9214.851	468.7693	13954.4
71.55941	9423.71	478.1325	14246.25
62.99402	8718.003	446.5945	13254.99
57.11848	8790.328	453.8604	13266.61
59.74733	8930.848	459.4183	13472.92
59.62872	8993.391	462.7741	13550.17
59.54721	8986.797	462.4847	13540.96
64.71081	9284.139	474.624	13975.38
68.51406	9266.65	471.6972	14008.83
67.94682	8727.11	445.6457	13415.51
61.12363	8446.565	433.6484	12893.5
60.91898	7914.106	411.9743	12493.18
69.60156	9153.57	465.4237	13886.88
63.61194	8994.38	460.418	13603.81
60.93448	8821.631	453.0583	13353.48
63.26264	8968.228	459.2717	13566.69
70.78598	9138.571	464.0974	13886.61
69.63335	8916.208	453.8888	13640.1
68.15175	9177.282	467.3452	13894.13
67.36951	8872.722	452.2612	13509.63
69.10162	8546.97	437.0962	13311.9
71.12118	9490.765	481.7342	14321.44
73.4809	9665.026	489.3684	14569.42
71.57852	9193.051	466.4776	13965.25
69.74493	9034.797	459.3399	13743.96
72.85865	9382.456	475.4321	14215.81
67.12592	8597.071	439.998	13276.61
58.14093	8374.483	431.5693	12762.03
60.54371	8957.251	460.2725	13515.49
60.74163	9046.538	464.8021	13629.7
59.21446	8852.979	455.6946	13368.79
59.59261	8918.585	458.8799	13455.71
64.50289	8913.411	455.7944	13517.09
67.36355	9089.287	463.2742	13774.73
72.41279	9351.124	474.062	14170.78
70.21398	9293.963	472.2314	14067.6
71.06699	9157.888	464.9414	13914.5
71.49055	8932.005	454.047	13725.61
72.34172	8953.127	454.6965	13775.22
73.09183	9263.156	469.3137	14074.11
72.6392	9010.412	457.3105	13835.92

73.74991	9086.229	460.4662	13942.58
70.18257	8842.722	450.3307	13600
69.98687	9083.64	461.6976	13807.31
71.58088	9123.082	463.0598	13893.27
73.24211	9162.488	464.3925	13991.38
67.7831	9119.412	464.5926	13817.84
67.16105	9074.746	462.6379	13753.92
72.54338	9040.848	458.8117	13858.93
73.79451	9448.222	478.3078	14310.32
73.15719	9156.692	464.1453	13983.11
71.70459	9268.144	470.2093	14058.76
68.60784	9494.948	483.2313	14289.42
64.95828	9124.948	466.3561	13783.42
68.88609	9293.934	472.8921	14047.71
71.00264	9383.447	476.37	14188.72
71.17124	9494.461	481.8962	14326.7
71.39651	9577.209	485.9638	14431.01
73.59898	9913.011	501.7939	14873.1
78.10773	10079.68	507.9873	15144.16
76.70148	9652.503	487.2403	14603.89
76.60903	9646.006	486.9562	14594.56
75.67204	9756.359	492.92	14714.05
70.0827	9640.768	489.847	14489.15
71.56849	9689.515	491.5483	14570.54
76.4475	9492.113	479.3136	14405.13
76.31333	9409.042	475.1923	14324.18
77.02765	9819.151	495.4427	14811.3
76.49808	9709.533	490.1908	14669.97
76.58772	9823.045	495.8399	14809.2
75.02753	9814.152	496.1257	14774.41
76.14556	9719.881	490.8708	14677.05
75.36307	9698.776	490.1733	14639.3
76.22036	9902.85	500.0124	14900.46
74.62991	9854	498.3189	14816.81
72.20535	9738.173	493.6826	14639.34
73.77817	9789.795	495.5041	14725.81
75.61362	9928.153	501.5699	14921.92
74.23254	9858.55	498.7409	14816.33
75.78209	9905.556	500.3555	14897.03
75.67612	10038.59	507.0825	15057.08
74.77531	9378.019	474.3304	14240.18
67.46043	8972.061	457.2663	13632.64
64.52057	8944.233	457.3602	13555.2
68.19274	8521.901	436.3129	13257.31
70.87459	8705.031	443.6224	13509.02
72.33053	9174.233	465.2764	13966.89
74.59855	9747.562	492.9842	14686.88
78.04954	9893.051	498.6776	14916.9
77.2206	9725.014	490.64	14700.05
74.02497	9498.815	480.7463	14375.45
73.33632	9654.349	488.9007	14554.23
76.23636	9797.456	494.7195	14772.69

72.5842	9800.781	496.6491	14721.28
66.56605	9276.731	473.2268	13992.69
62.59952	9004.269	461.4915	13601.72
67.84879	9467.811	482.2571	14245.22
68.69561	9726.846	494.9702	14574.4
65.76907	9449.122	482.475	14193.26
70.28073	9591.129	487.2328	14431.44
66.50194	9424.644	480.7927	14173.06
68.49023	9107.045	463.6107	13813.26
73.5208	8737.838	443.6503	13626.81
70.93317	9214.327	467.8568	13981.31
67.82697	9153.795	466.3171	13860.57
70.98361	9414.915	477.9695	14226.83
72.44876	9588.804	486.0292	14460.96
71.40053	9213.874	467.6126	13987.91
62.16621	8914.48	457.1289	13485.09
60.92215	8903.82	457.2967	13454.71
63.6122	9052.56	463.3964	13675.35
65.52438	9137.564	466.6938	13807.03
66.22951	9220.773	470.5573	13919.25
66.59612	8942.369	456.1886	13583.36
68.7449	9029.968	459.5756	13722.84
70.29972	9235.128	469.2129	13997.06
63.25159	9054.088	463.6767	13672.15
57.22065	8670.759	447.4874	13116.73
62.47377	8909.166	456.6829	13482.86
68.98631	9333.108	474.8275	14097.09
70.86021	9471.493	480.89	14294.02
62.58285	9232.362	473.2641	13883.88
63.79571	8406.755	432.1844	12986.66
64.94431	8226.052	424.2638	12894.62
62.44247	8499.522	436.0387	12995.79
60.88202	8513.137	437.2048	12972.14
63.7262	8653.277	442.8955	13186.06
67.55112	9009.48	459.1231	13679.81
68.58486	8622.671	440.7455	13355.1
48.90758	7893.469	412.1641	12041.29
54.25202	8002.015	414.4427	12245.93
60.49762	7885.327	410.8551	12454.18
60.90332	7913.036	411.9327	12491.73
57.84769	8249.183	425.2412	12602.73
58.9973	8515.268	438.3658	12948.18
59.12138	8336.738	429.0663	12729.12
59.18825	8203.382	423.4873	12623.39
59.06827	8269.284	426.0617	12664.41
63.83831	8690.179	444.7263	13233.07
67.0841	8914.955	454.5493	13557.06
66.91851	8360.88	429.5532	13078.19
73.97157	8916.509	452.0633	13799.68
48.86255	7201.939	383.6278	11443.08
70.82515	9071.514	460.8252	13819.05
55.54462	8365.422	432.6426	12715.53

53.898	8122.389	420.9601	12391.19
57.62001	8207.513	423.2076	12547.89
59.98079	8331.549	428.7599	12754.02
56.14699	8410.214	434.6054	12779.18
61.17754	8505.916	436.6737	12967.48
69.98323	8718.145	444.6215	13487.56
50.11203	8251.754	430.5258	12512.1
44.39729	7714.185	406.0055	11765.53
45.12108	7629.61	400.7982	11663.86
48.67641	7747.452	404.5517	11854.69
54.11517	8065.295	417.8371	12322.93
63.72322	8512.871	436.6868	13064.82
50.33272	7799.491	406.2144	11940.94
46.76591	7651.219	400.7441	11710.17
50.7182	7849.074	408.5885	12008.07
58.71985	8245.509	425.0314	12630.19
51.82342	8042.6	418.0868	12264.59
48.57287	7516.033	393.8092	11611.88
60.16323	8195.841	423.3509	12664.65
55.34974	8350.931	432.0076	12694.93
45.58393	7763.86	407.6805	11839.28
44.38947	7535.936	396.2946	11536.7
51.55096	8068.458	419.6297	12293.49
60.25853	7859.73	409.8488	12378.31
66.22255	8350.358	429.3158	13042.94
63.06592	8430.989	433.2194	12972.75
36.12817	7159.502	383.5107	10994.86
32.41456	6791.936	366.138	10475.96
36.75005	7075.398	377.4616	10869.52
46.48813	7002.695	375.9855	11199.36
39.16735	7338.194	390.1168	11238.78
29.87157	6632.954	360.4016	10266.4
39.21287	7267.336	385.8864	11139.88
54.40373	7876.863	409.5615	12157.67
33.46535	6862.321	368.9177	10572.11
36.43777	6650.775	357.2698	10408.89
39.32987	6402.427	353.6255	10477.39
35.27716	7071.787	379.3513	10871.66
32.73504	6709.253	360.6372	10358.1
34.69543	6800.787	363.8897	10493.45
39.07051	7123.879	378.0439	10953.23
39.71796	7137.94	378.2696	10977.76
38.3393	6924.334	367.5561	10687.84
40.33678	7392.343	391.8764	11313.88
29.97214	6676.712	363.2541	10336.65
37.24245	7288.676	389.7987	11176.23
39.05846	7023.754	372.49	10823.74
33.81287	6846.491	367.4141	10547.09
37.32965	7010.975	373.2909	10790.64
48.03573	7954.938	416.0676	12108.43
55.19676	8314.774	430.2156	12647.94
35.42566	6433.053	350.6645	10246.17

31.66028	6538.365	351.8278	10123.38
43.22851	7689.302	405.8374	11728.55
40.49902	7527.347	399.6547	11503.76
42.60548	7348.229	387.4774	11277.82
44.76157	7680.317	403.8159	11724.29
38.76353	7035.655	373.4015	10836.18
39.14812	7245.705	384.7437	11111.35
33.25254	6507.747	349.728	10129.05
27.82148	6390.356	347.5772	9904.153
32.70448	6321.644	344.6999	10015.76
22.45627	6042.671	336.3673	9481.025
20.20868	5899.145	332.0859	9318.291
26.36113	6399.241	352.3236	9972.365
30.67687	6393.699	344.3665	9922.997
40.67154	7068.482	373.6578	10898.32
52.05047	8082.426	420.0367	12317.3
42.19363	6820.81	367.5943	10855.17
31.37789	6505.327	350.1929	10077.33
32.47426	6454.641	347.4267	10052.62
34.65801	6139.052	342.6719	10015.61
27.70738	6327.698	343.9052	9817.958
25.96432	6295.631	345.2859	9795.433
25.78493	6314.068	347.3406	9838.241
25.87381	6288.088	344.9548	9784.973
25.78027	6271.949	343.9351	9758.282
24.58322	6072.31	332.3413	9456.538
24.9729	6297.53	348.796	9847.852
24.64681	6222.916	343.6524	9717.668
26.31165	6307.025	345.1634	9802.889
27.8364	6401.548	348.3794	9923.463
31.51291	6679.931	360.2905	10311.55
38.10831	6924.391	367.7541	10685.6
40.04	6590.171	359.3308	10452.47
39.67	6481.358	356.0425	10472.91
39.71	7053.001	373.5729	10868.16
25.08	6221.93	342.0511	9693.237
27.79	6355.535	345.4956	9856.372
21.92	5857.344	322.5586	9150.879
19.12	5208.214	303.1012	8660.546
20.54	5783.756	320.0521	9047.939
22.29	5908.591	325.346	9224.402
25.12	6140.758	335.8901	9553.19
16.46	5502.782	310.1747	8689.271
23.83	5567.033	316.694	9115.655
25.67	5990.352	327.3074	9384.37
29.96	6332.163	341.4889	9835.401
37.29	7086.206	377.5524	10888.13
29.42	6434.438	348.2137	9970.504
36.96	6686.415	358.7898	10459.72
48.67	7151.694	381.8818	11403.19
49.33	7816.168	407.763	11949.23
19.46	5763.098	322.8505	9074.973

24.33	6008.268	328.623	9365.921
27.17	6192.712	336.3267	9630.574
33.88	6615.521	354.0604	10242.72
47.83	7644.637	399.6467	11714.7
28.46	6535.219	356.7341	10138.46
32.42	6619.602	355.763	10236.84
47.25	7790.089	407.8338	11891.33
26.83	6512.572	359.1967	10149.56
29.21	6303.625	340.6178	9792.179
35.87	6574.868	354.6921	10337.38
31.25	6496.144	349.791	10064.19
20.33	5833.842	325.6426	9166.62
23.25	5639.105	316.9859	9092.96
16.21	5421.062	302.9184	8526.861
10.46	4974.328	289.4924	8021.894
9.48	4948.695	283.9432	7871.843
16.71	5462.345	304.9018	8586.805
24.96	6007.136	327.657	9365.467
37.08	6852.654	364.6182	10582.35
40.83	7253.814	383.7362	11138.14
36.67	7038.521	375.4602	10820.79
42.67	7710.054	407.6733	11756.53
28.75	6657.003	364.8769	10338.82
22.38	6085.149	340.3974	9574.111
36.42	7388.396	397.2711	11330.08
35.79	6985.707	373.3341	10744.67
28.04	5854.471	328.3633	9514.451
20.17	5827.773	326.0011	9169.888
25.33	6242.766	342.9656	9722.128
32.5	6612.279	355.253	10227.68
49.38	7144.526	381.946	11358.87
51.09	7261.314	386.5078	11514.89
51.09	7261.314	386.5078	11514.89
51.04	7285.705	387.3325	11487.47
47.58	8175.548	428.7181	12397.77
41.21	7996.967	425.0629	12135.86
43.88	7696.301	405.5284	11739.57
50.42	7760.941	404.1171	11893.7
53.62	8476.256	439.7674	12831.39
27.78	6546.709	359.416	10181.4
27.21	6380.429	348.3854	9905.149
34.58	6561.159	352.7578	10243.74
30.5	6819.994	372.0269	10559.26
23.54	6178.271	344.1881	9696.475
44.88	7824.245	411.7606	11916.54
56.83	7931.276	412.3934	12317.73
44.04	6761.272	367.1414	10931.05
22.12	5948.459	328.4884	9287.627
18.04	5659.501	321.119	8989.722
21.29	5934.13	331.2926	9327.18
26.12	6291.365	344.476	9781.073
31.04	6819.742	370.7728	10545.52

34.5	7249.275	391.599	11141.41
41	7797.938	414.9267	11881.9
50.96	7753.101	403.3608	11890.91
41.96	7521.002	397.5246	11494.43
41.67	7007.849	372.4987	10918.19
44.96	7500.147	393.9294	11497.67
45.92	7297.89	384.8688	11331.88
35.83	7150.954	383.4452	10984.74
35.12	7138.522	383.8291	10973.39
31.46	6922.385	376.8292	10700.99
31.79	7056.003	383.3587	10872.06
35.08	7331.536	395.3409	11248.76
50.21	8259.759	430.8772	12523.25
51.46	8537.722	444.9187	12894.39
34.61	7363.644	397.1033	11281.98
35.79	6495.085	352.6145	10297.21
37.88	6489.146	354.6662	10429.43
43.42	7351.247	387.0137	11290.69
45.17	7515.334	394.5942	11519.37
50.46	7199.758	384.1938	11525.21
39.83	7490.854	398.362	11453.93
45.71	8236.615	434.1703	12475.2
52.38	9112.738	474.5147	13634.45
45.29	7809.21	410.4849	11897.62
37.08	6806.068	361.9984	10521.71
37.12	7057.582	376.1045	10849.43
35.88	7122.029	381.5565	10941.33
38.17	6583.246	357.4199	10491.27
35.75	7193.599	386.2459	11048.92
43.12	8114.07	429.8494	12301.44
52.88	9113.347	474.2343	13640.43
57.42	9258.917	478.4028	13863.65
55.38	8552.184	442.4887	12945.6
51.71	7804.273	405.5958	11964.89
51.5	8041.775	418.2558	12259.45
41.12	7746.521	411.7437	11809.49
46.58	8089.756	424.9532	12279.6
56.96	8676.127	447.9302	13119.98
63	8862.263	453.986	13432.59
61.21	8591.723	441.0712	13073.77
62.58	9232.131	473.254	13883.56
63.75	9092.168	465.347	13725.99
44	8030.92	424.5296	12196.45
49.54	8454.647	442.1956	12775.27
57	8054.045	417.1182	12410.39
48.08	8165.353	427.6554	12386.43
51.52	8278.74	430.7901	12557.79
64.75	8871.959	453.5462	13469.77
60.42	8139.291	421.1003	12635.55
46.67	7848.501	411.3957	11958.51
54.12	8453.343	438.1493	12806.55
59.92	8881.13	456.7213	13413.06

65.08	9104.293	465.2355	13759.81
61.91	8697.693	446.137	13214.4
62.21	8577.416	439.7983	13070.54
49.62	7142.386	381.9627	11447.47
55	7732.23	404.4587	12092.84
60.96	8065.049	418.1054	12605.66
62.46	8623.22	442.017	13130.58
65.58	9201.898	469.9452	13886.76
48.17	8279.402	433.8908	12538.06
43.29	7694.326	406.0579	11735.55
44.21	8003.363	422.7035	12158.83
46.29	7737.956	405.7481	11814.36
57.62	7762.89	406.0683	12239.29
65.48	8336.662	428.9193	13002.71
68.75	8892.92	453.0035	13584.68
69.79	9618.106	488.8525	14457.19
71.25	9632.202	488.815	14495.91
71.71	9700.327	492.0226	14585.83
63.04	9269.342	474.8874	13935.52
63.04	9191.829	470.8756	13839.17
64.54	9270.74	474.0358	13956.53
57.71	8265.784	426.1795	12621.36
54.54	7997.364	414.0292	12244.06
56.58	7636.267	401.1536	12015.81
56.91	7603.238	399.914	12096.74
56.88	7628.972	400.8945	12068.58
52.21	8303.513	431.5712	12595.75
51.71	8241.29	428.6366	12511.79
54.88	8545.057	442.4817	12931.53
55.5	8536.661	441.6014	12927.84
56.4	8352.839	431.4653	12711.33
56.4	8352.839	431.4653	12711.33
63.54	8814.736	451.2591	13381.87
62.96	8773.089	449.4365	13322.28
68.04	9231.884	470.1745	13959.29
70.25	9231.608	469.059	13992.01
70.61	8723.951	444.63	13515.56
72.04	9043.47	459.1318	13842.37
71.12	8943.696	454.7347	13721.62
68.78	9064.118	461.2905	13765.12
68.17	9052.97	461.0248	13742.31
69.25	9416.5	478.9198	14202.92
70.67	9359.392	475.317	14154.35
71.71	9401.384	476.9325	14221.31
72.12	9363.974	474.8485	14181.96
73.04	9462.99	479.4044	14316.69
73.12	9332.95	472.8164	14159.55
74.17	9474.608	479.4616	14348.24
70.83	9600.327	487.4172	14450.79
71.96	9719.428	492.8604	14612.84
71.75	9736.62	493.8342	14630.68
73.09	9432.634	477.8516	14280.48

71.79	9373.872	475.5054	14188.98
61.92	9140.899	468.9444	13761.8
63.62	8994.983	460.4444	13604.67
66.75	9198.643	469.1542	13899.67
64.5	9001.802	460.3134	13625.62
67.83	8935.375	455.2201	13593.28
75.74	9406.879	475.3577	14301.73
74.38	9092.271	460.4405	13970.08
67.08	9161.48	467.091	13858.96
59	8942.531	460.5416	13479.15
62.58	9116.988	467.2855	13740.22
69.42	9333.089	474.607	14103.5
71.88	9580.105	485.8698	14441.79
73.5	9359.265	473.9664	14197.48
72.54	9460.983	479.5407	14306.59
66.33	9258.817	472.4412	13967.33
64.38	9081.357	464.445	13721.63
65.12	8423.122	432.7434	13055.87
71.54	9356.049	474.7256	14163.44
74.25	9411.204	476.2362	14272.34
71.46	8966.902	455.7086	13754.42
71.46	9416.521	477.8178	14235.98
70.04	9313.833	473.3226	14089.25
75.75	9407.561	475.3873	14302.72
74.92	9387.892	474.7616	14254.45
65.12	9356.693	478.1133	14070.53
61.79	9055.017	464.5648	13653.03
69.38	8824.932	449.7508	13553.77
69.42	9012.627	458.3716	13711.9
70.38	9078.127	461.2324	13806.6
68.25	8562.81	438.1432	13293.03
67.17	9044.492	461.0947	13717
67.5	9254.413	471.598	13978.93
68.92	9042.093	460.1055	13740.31
70.17	8730.897	445.1392	13505.25
71.54	9009.345	457.688	13793.92
72.38	9348.82	473.9613	14167.47
70.33	8630.856	440.4158	13426.65
59.96	8530.458	438.6052	12980.42
71.29	8918.315	453.4771	13706.35
70.75	8955.428	455.4069	13717.36
69.58	8986.551	457.1434	13696.76
70.67	9060.927	460.3664	13803.81
69.17	9091.325	462.4798	13804.28
67.71	9082.991	462.779	13772.17
69.17	8588.633	438.9765	13349.03
66.21	9067.269	462.7474	13730.77
64.5	8883.669	454.2758	13480.51
65.33	8511.486	436.5436	13134
65.21	8207.183	423.3718	12890.3
67.33	8833.023	450.4905	13475.79
66.58	8941.236	456.139	13581.73

69.46	9079.489	461.7397	13794.22
69.62	9026.273	458.9676	13731.63
71.12	9054.649	459.9564	13816.41
69.75	9196.217	467.511	13941.22
67.38	8935.446	455.4448	13586.6
68.17	8958.747	456.2411	13627.02
71.75	9204.839	466.9926	13982.27
72.88	9350.143	473.7938	14176.78
71.5	9043.598	459.3219	13821.8
69.29	9035.737	459.6047	13738.16
70.46	9046.598	459.7455	13783.19
69.33	8895.506	453.0059	13610.58
69.08	8841.45	450.5849	13555.54
68.92	8978.512	456.8816	13662.58
68.62	9052.956	460.8026	13749.06
66.17	8912.424	454.8792	13540.33
65.33	9003.182	459.9413	13639.32
66.71	9134.345	465.9025	13820.3
70.46	8935.635	454.5696	13689.26
72.29	8875.64	451.0154	13706.07
73	8961.09	454.7675	13805.74
71.71	9131.892	463.4416	13905.95
70.33	9432.337	479.1746	14238.3
71.71	9020.948	458.1789	13810.39
72.21	9018.094	457.8568	13826.77
71.92	9109.241	462.3034	13894.63
69.29	8633.821	441.0018	13391.09
68.58	8733.331	445.7775	13446.11
64.67	8866.255	453.2967	13461.6
56.88	8464.72	436.9938	12856.65
57.54	8513.797	439.1443	12926.39
62.46	8241.524	425.3089	12802.74
68.42	8907.399	453.7135	13582.84
58.96	8646.09	445.1521	13109.48
58	8652.856	446.0776	13104.88
58	8548.002	440.6432	12975
60.25	8551.134	439.5098	13010.05
62.88	8882.168	455.0724	13455.37
57.67	8731.823	450.3755	13198.34
59.09	8414.892	433.1238	12825.33
59.54	8608.515	442.8725	13071
58.75	8284.613	426.575	12659.36
63.83	8777.177	449.1827	13339.9
68.08	8699.201	444.3569	13398.09
57.33	8187.726	422.3434	12519.28
57	8319.427	429.3724	12678.03
59.42	8384.204	431.3547	12792.05
63.88	8375.488	430.8508	12966.31
57.58	8360.777	431.1815	12737.28
42.04	7469.604	394.5691	11427.12
45.08	7528.44	395.3681	11534.97
49.29	7682.686	400.6973	11780.91

54.17	7601.428	399.4419	11965.42
53.96	7475.878	394.8339	11873.26
56.75	7814.646	407.9417	12234.03
50.75	7828.815	407.4966	11983.08
47.46	7722.598	404.0715	11808.59
47.62	7587.948	396.761	11640.6
51.38	7895.919	410.6375	12075.29
57.08	8428.105	434.971	12813.92
52.17	8160.961	424.0934	12417.02
59	8328.394	428.7018	12717.07
61.17	8477.562	435.2187	12932.41
61.42	8022.392	416.3374	12594.29
44.88	7669.974	403.1641	11712.44
45.88	7586.701	397.9191	11618.1
48.79	7567.946	395.6702	11654.98
55.88	8239.577	425.8789	12563.61
60.58	8409.473	432.0284	12839.88
52.38	8176.791	424.7874	12439.46
51.71	8126.286	422.5732	12367.87
57.29	8036.783	416.5416	12413.05
60.25	8312.88	428.0668	12753.6
61.42	8550.667	438.8454	13026.16
48.62	7871.937	411.2204	12010.73
60.54	8764.385	450.3371	13277.38
52.17	8688.865	452.4722	13095.17
50.25	7726.913	402.4238	11848.8
41.42	6842.256	367.557	10819.21
33.5	6894.385	370.9451	10621.14
37.17	7014.679	373.6461	10794.03
49.67	7730.961	403.0126	11846.42
59.67	7976.968	414.5596	12484.02
61.96	8096.299	419.3254	12672.34
65	8377.915	430.809	13015.52
42.71	7429.457	391.8261	11382.73
34.58	6792.262	363.5162	10481.32
30.62	6622.179	358.0654	10233.08
28.09	6503.476	355.3411	10094.73
29	6559.604	357.1825	10164.92
33	6581.469	352.9544	10190.53
27.88	6394.947	347.7787	9910.612
29.5	6428.771	347.7788	9963.234
33.67	6738.848	361.3663	10403.9
42.92	7223.043	380.4103	11121.44
47.46	7402.988	389.3511	11481.78
40.92	7190.501	380.178	11057.75
33.33	6591.046	353.1822	10205.84
34.5	6743.722	360.8172	10416.81
33.5	6698.806	359.232	10349.71
37	6955.488	370.474	10715.47
48.08	7408.2	389.9481	11520.57
53.21	8001.686	415.0557	12231.51
29.17	6607.241	360.2056	10241.17

26.38	6247.088	340.7377	9703.238
28.5	6287.533	340.4752	9766.448
37.46	6646.232	358.3213	10474.52
57.17	7695.105	403.4343	12171.73
43.3	7492.336	394.7798	11469.28
37.5	6537.505	355.5473	10427.51
38	7172.812	381.7374	11006.74
34.83	6541.053	352.5902	10252.39
36.5	6903.586	368.0082	10643.35
38.58	6648.384	359.5537	10547.71
36.58	6734.796	359.5668	10455.84
32.42	6806.138	367.0716	10498.21
32.67	6798.632	366.1219	10482.96
43.46	7448.035	392.2448	11414.52
51	7422.065	392.0038	11689.36
48.46	7174.451	382.5307	11405.3
40.38	7134.512	377.5313	10980.12
38.71	6999.089	371.4112	10788.34
42.17	6707.809	364.3162	10795.96
46.88	7001.604	376.1626	11109.72
48.25	7160.111	381.9583	11385.59
38.92	6411.576	353.542	10457.21
20.88	5854.518	324.6765	9161.334
22.25	5865.805	322.5678	9162.513
28.33	6363.89	345.307	9869.763
39.62	7355.171	390.5532	11262.03
51.75	7876.066	409.3558	12055.26
31.21	6668.944	360.1184	10298.71
33.17	6661.073	357.3895	10297.3
38.71	7179.061	381.433	11021.18
44.42	7269.759	382.7487	11225.8
56.12	7956.93	413.1633	12299.67
52.33	7939.846	412.3516	12142.64
49.46	7131.458	381.5377	11432.67
33.62	6597.515	353.2736	10216.77
43.62	7066.683	375.9656	11068.76
52.46	7818.368	406.5219	12015.41
53.62	7897.521	409.9519	12129.33
57	8128.155	419.9461	12461.28
42.54	7919.346	419.9436	12045.48
33.58	7048.019	380.7883	10856.67
26.5	6420.652	353.5744	10005.88
31.29	6336.65	343.1058	9922.059
33.83	6750.745	361.8877	10420.81
24.79	6115.546	334.7842	9517.544
22.74	6044.493	335.1992	9462.553
20.65	5856.878	326.3413	9192.721
22.67	5986.248	329.8355	9335.618
27.04	6318.652	344.2454	9803.577
36.71	7041.597	375.5952	10825.13
15.29	5417.588	309.9486	8661.396
13.21	5198.606	300.9156	8376.352

12.88	5205.151	297.4248	8283.353
27.75	6464.356	353.3133	10036.97
29.62	6542.918	354.5857	10121.85
41.33	7058.913	373.612	10922.33
47.17	7784.058	407.5694	11882.78
37	6816.098	362.6314	10533.99
41.92	7244.305	382.3349	11137.44
28.57	6618.998	362.5874	10279.55
33.52	6713.983	360.0869	10369.93
42.54	7196.922	379.2691	11083.73
27.38	6413.618	350.4643	9959.035
28.79	6330.798	342.7416	9826.784
36.62	6551.741	354.9727	10376.91
41.25	7390.781	390.915	11318.2
39.71	7137.36	378.2442	10976.93
42.5	7285.656	384.144	11196.7
38.38	6857.619	364.8892	10632.62
42.75	7007.301	373.4736	10984.83
36.04	6990.066	373.3344	10752.37
38.25	6588.708	357.6435	10498.88
34	6038.37	339.592	9986.437
30.29	6119.655	336.9879	9769.027
33.21	6170.279	341.8299	9989.098
29.08	6431.868	348.4732	9965.424
32.67	6704.317	360.4208	10351.11
28.04	6438.061	350.6041	9981.789
34.46	6069.79	340.8032	10028.81
38.67	6840.261	364.7568	10643.63
32.38	6682.309	359.4556	10319.96
30.88	6792.857	369.2826	10505.62
36.17	7196.67	385.7611	11049.51
48.52	8471.427	444.1629	12793.58
44.42	7880.89	415.4791	11992.33
52.17	7858.895	408.1899	12039.32
52.25	8143.714	423.1326	12396.47
34.92	7089.43	381.0551	10901.8
36.62	7304.04	391.7113	11203.79
31.92	6805.347	367.9676	10504.9
41.79	7163.3	377.9993	11032.28
60.67	8498.346	436.5582	12950.86
53.25	7464.463	394.2588	11831.05
49.04	7121.304	381.039	11327.84
60.92	8571.196	440.1733	13044.32
43.38	6827.563	368.685	10928.52
41.12	6598.97	360.4321	10679.34
48.04	7108.642	380.1832	11193.5
41.75	7760.898	411.7565	11827.76
34.21	7119.862	384.2505	10957.03
42.42	7710.94	408.0207	11757.73
36.96	7159.633	382.2786	10989.43
45.25	7737.835	406.5382	11802.62
42.71	7691.258	406.5399	11730.64

35.21	7344.189	395.8988	11265.78
35.92	7141.982	382.7418	10970.62
51.62	7761.051	404.0381	11932.91
39.21	7496.085	399.5189	11463.77
29.96	6793.209	371.4737	10530.25
36.71	7242.997	387.7941	11113.31
45.33	7744.07	406.8119	11811.41
40.58	6487.817	356.9171	10592.54
42.08	7072.959	374.7608	10977.04
46.46	7811.816	409.5865	11909.75
50.62	8379.116	437.037	12682.16
35.79	7098.014	380.1928	10906.37
36.29	7139.278	382.004	10963.72
39.12	7295.9	387.6424	11178.54
51.79	8329.714	433.3344	12626.25
43.71	7889.492	416.7816	12003.31
50	8326.938	434.747	12609.97
57	8780.744	453.4397	13253.22
52	8554.745	445.3587	12920.05
41.42	7541.528	399.351	11522.68
37.08	7700.871	412.4856	11724.08
40.71	8048.298	427.8652	12193.1
44.38	8236.705	435.2574	12466.42
51.29	8909.256	464.9158	13371.15
53.75	8455.492	438.5497	12805.84
60.29	8278.571	426.6941	12730.63
56.92	8875.555	458.5187	13372.8
41.29	8246.467	437.3951	12443.24
34.75	7273.288	392.6551	11173.74
30.33	6869.219	374.9534	10626.84
41.42	7815.946	415.4076	11905.37
55.42	7872.092	409.7647	12207.08
54.38	8400.645	435.2209	12744.2
39.08	7619.114	407.0822	11640.05
41.33	7681.424	407.6516	11717.96
46.54	8162.19	429.0556	12376.5
45.92	7709.876	404.5168	11774.61
37.75	7531.468	403.8568	11525.03
39.79	8050.61	428.4352	12185.08
41.83	7853.798	417.0681	11956.66
47.38	7323.322	386.7354	11431.48
47.42	7177.641	382.0808	11350.24
45.25	6806.801	369.2133	11022.71
45.04	7643.092	401.5881	11680.07
48.21	7947.307	415.5323	12100.83
48.42	8140.321	425.9418	12355
50.38	7780.492	405.1778	11917.71
54.54	7478.422	395.0308	11902.81
48.88	7934.514	414.3676	12092.61
53.25	8218.584	426.4142	12502.73
59.38	8785.209	452.0929	13287.22
49.96	8520.13	445.3763	12863.2

59.79	8464.083	435.2747	12896.02
48.54	8446.353	442.755	12760.47
47	8408.09	442.309	12706.25
52.38	8827.787	459.7961	13276.46
47.88	8412.341	441.5709	12713.51
49.38	8191.94	427.9003	12428.77
55.75	8230.308	425.4734	12550.33
39.25	7070.586	374.9302	10886.16
46.21	7957.938	417.9367	12101.52
54.67	8975.354	465.6558	13481.09
53	8199.867	425.5938	12476.16
51.46	8176.06	425.3676	12427.07
57.79	8810.179	454.4262	13298.84
46.21	8283.184	436.2132	12538.19
50.79	8508.452	443.9416	12852.19
59.71	9216.196	474.3857	13831.1
65.75	10062.12	513.9453	14949.04
64.92	9211.306	470.787	13888.9
49.21	8706.809	455.9882	13098.81
47	8305.435	436.5728	12569.15
49.08	8386.319	438.8899	12683.24
59.29	8832.032	454.5662	13343.9
67.25	8926.443	455.0514	13573.62
60.42	7917.064	412.142	12473.93
53.92	8051.58	417.2374	12303.22
49	7965.238	415.9168	12132.7
53.08	8134.755	422.123	12395.9
61.58	8533.787	437.8917	13007.66
64.54	8856.987	452.8912	13448.32
68.21	8486.081	434.6867	13228.61
65.83	8240.268	424.6152	12889.09
54.46	7463.683	394.4806	11846.72
52.04	7965.806	413.9012	12171.31
52.25	8120.438	421.9074	12367.37
52.67	7987.23	414.6313	12206.33
52.67	7832.697	407.1428	12036.03
53.79	8162.761	423.1426	12440.1
55.67	8399.769	434.3557	12759.88
58.46	8898.849	458.624	13418.15
61.17	8922.883	458.133	13481.63
66.38	8896.688	453.9714	13524.16
70.96	9043.73	459.4871	13800.76
68.71	8742.205	446.1469	13458.59
63.12	8755.749	448.4619	13303.25
60.75	8724.871	448.1814	13231.53
69	9111.297	463.5752	13826.13
73.88	9419.905	476.8434	14277.18
69.42	9461.274	481.1012	14260.15
69.58	9473.335	481.63	14277.24
72.58	9598.496	486.4538	14474.75
73.17	9777.913	495.2048	14702.18
67.79	9824.122	500.4553	14681.28

68.92	9832.109	500.198	14706.3
73.38	9896.056	501.0499	14849.18
73.75	9582.125	485.067	14472.61
68.21	9338.636	475.5069	14092.41
65.33	9272.797	473.6992	13970.19
63.79	9124.394	466.974	13766.18
67.5	9130.15	465.282	13826.79
70.92	8856.074	450.69	13639.31
72.5	8889.978	451.5975	13725.96
73.38	9691.643	490.7574	14600.3
69.75	10121.77	514.4299	15071.47
66.38	9415.079	480.3727	14159.6
66.42	9174.105	468.0789	13864.8
69.92	9337.456	474.5779	14116.3
68.92	9487.166	482.6727	14284.46
71.71	9600.68	486.9925	14464.33
68.96	8981.241	457.0008	13666.53
64.58	9155.581	468.1285	13815.65
65.21	9404.354	480.5097	14130.6
67.67	9643.88	491.3283	14458.55
70.08	9794.331	497.6292	14676.51
72.88	9971.76	505.1154	14933.67
72.75	9307.327	471.6966	14122.61
73.04	9395.2	475.9893	14234.12
73.71	9955.844	503.8942	14926.89
73.12	9774.118	495.0384	14696.81
68.88	9198.176	468.0395	13930.54
74.5	9428.517	476.9928	14297.29
73.96	9063.599	459.2569	13929.93
73.62	8818.558	447.5083	13701.32
70.25	8569.892	437.6213	13263.08
66.96	8770.77	447.7521	13409.67
72.08	9194.118	466.2984	13974.3
76.96	9562.978	482.6393	14499.27
78.29	9764.133	492.1215	14764.31
70.29	9461.874	480.6889	14273.76
62.33	8955.252	459.1292	13537.6
62.26	9035.107	463.2686	13634.97
64.71	9195.154	470.0784	13866.09
67.54	9412.817	479.628	14173.45
70.29	9526.855	483.9764	14353.1
70.38	8856.199	450.8917	13618.96
66.54	8877.275	452.9027	13502.75
62.96	8859.329	453.8575	13428.41
65	8919.571	455.847	13531.88
63.33	9060.079	463.9395	13680.63
64.83	9144.98	467.4492	13806.18
66.62	9158.36	467.172	13848.41
70.79	9302.578	472.3862	14086.82
74.25	9514.743	481.443	14398.31
75.79	9482.551	479.1255	14383.16
75.12	9327.609	471.6914	14207.51

76.08	9467.038	478.2184	14368.88
77.33	9985.361	503.6281	15017.72
77.83	10131.57	510.7132	15202.82
73	9527.888	482.6928	14395.11
67.29	8991.13	458.3207	13653.44
69.92	8676.838	442.7334	13450.5
69.38	9202.052	467.9881	13942.78
63.08	9272.578	475.0294	13940.04
59.46	8791.362	452.3628	13295.91
61.42	8914.151	457.5387	13474.31
62.96	8916.823	456.8049	13499.16
64.58	9007.71	460.5722	13634.03
65.75	9063.941	462.819	13719.97
68.5	9328.772	474.8564	14084.6
66.17	9155.515	467.2643	13838.38
63.83	9127.471	467.109	13770.52
66.71	9165.007	467.4632	13857.87
70.83	9071.845	460.8395	13819.52
71.08	9454.83	479.939	14276.98
66	9203.473	469.7988	13894.73
51.5	8599.86	448.2597	12975.5
54.17	8740.912	453.5284	13176.47
59.46	9087.245	467.8097	13666.34
63.29	9406.447	481.8195	14108.95
67.21	9201.931	469.0808	13910.42
68.92	8719.544	445.0538	13448.12
69.42	8938.641	454.9691	13650.19
68.38	8645.683	441.8549	13366.09
66.42	9021.535	460.3092	13677.78
63.25	9111.756	466.6322	13743.07
63.17	8903.584	456.0106	13485.85
65.71	8819.796	450.3907	13419.9
64.25	8924.529	456.4974	13527.09
65.12	8987.888	459.2717	13617.49
69.04	8727.736	445.392	13459.59
66.62	9035.896	460.9377	13698.33
70.38	9370.957	476.0447	14164.11
54.21	8586.599	445.2236	12978.58
54	8250.566	427.6096	12552.3
59.67	8699.248	447.4821	13184.93
55.79	8182.991	422.9835	12492.06
57.04	7871.501	410.1603	12286.96
58.21	8510.976	438.6005	12932.01
59.08	8655.075	445.5459	13122.24
66.5	8369.305	430.0656	13068.86
60.5	8843.861	454.4556	13374.93
58.46	9178.992	473.3648	13771.81
54.33	8323.783	431.2318	12647.81
45.92	7834.877	411.304	11934.91
51.5	8087.562	420.6714	12316.77
58.58	8670.659	446.6492	13134.72
63.46	8983.004	459.9193	13587.66

65.62	9204.934	470.0784	13891.06
65.67	9088.205	464.0986	13748.58
64.5	8883.669	454.2758	13480.51
66.12	8878.55	453.1786	13498.05
68	9260.271	471.6366	13993.44
56.75	8760.52	452.5519	13224.98
55.08	8231.985	425.9652	12543.4
59.33	8351.079	429.6929	12749.82
64.71	8691.263	444.3358	13247.28
52.29	7510.14	395.5794	11811.55
50.54	7613.182	398.3157	11781.58
50.71	7235.361	385.4941	11480.22
51.42	7311.657	388.3528	11521.98
51.58	7266.976	386.8476	11582.69
49.79	7761.353	404.5467	11886.13
47.46	7764.258	406.2997	11861.18
44	7583.228	399.1608	11592.6
36.92	7073.196	377.1734	10868.06
44.88	7455.337	391.5677	11439.84
56.42	7903.289	411.2285	12278.35
51.54	7236.44	385.7748	11602.1
53.21	7869.544	408.7395	12089.07
38.46	7243.588	385.3458	11105.13
41.58	7327.027	387.1403	11239.8
45.17	7554.655	396.716	11569.27
50.75	7442.083	392.5802	11688.4
59.58	7822.654	408.4178	12369.26
51.54	8113.471	422.0114	12349.7
44.29	7799.488	410.982	11881.3
43.42	7538.915	397.2171	11529.95
38.08	7050.731	374.8394	10849.14
45.12	7131.951	379.1229	11193.19
48.25	7067.35	378.9315	11255.76
47.54	7046.678	377.9347	11169.65
47.88	7394.55	389.3706	11501.19
44.67	7401.555	388.814	11369.07
43.62	7573.064	398.9123	11575.6
42.08	7400.371	390.748	11338.92
37.5	6834.725	363.25	10563.15
40.58	6487.817	356.9171	10592.54
41.5	7249.934	382.9764	11140.14
32.75	7001.489	379.3676	10798.84
29.38	6523.896	353.7506	10095.16
30.58	6557.913	354.1877	10142.98
32.92	6750.098	362.8062	10413.52
37.96	7137.738	379.8132	10960.89
42.58	7107.079	376.2277	11025.93
50.08	7396.342	390.7076	11624.64
46.71	6980.739	375.4092	11199.12
33.25	6960.599	375.7116	10726.82
30.04	6576.208	356.0472	10168.57
39.38	7374.84	392.0343	11290.47

39.79	7705.02	411.16	11757.51
40.62	7578.441	402.5147	11575.34
48.25	7886.703	412.271	12024.93
50.12	7176.536	383.2907	11493.75
41.75	7357.582	388.6758	11280.71
34	6920.188	371.7678	10655.05
36.04	6960.071	371.6361	10713.16
48.79	7382.465	389.5501	11545.63
38.92	7280.048	386.9465	11156.29
27.33	6486.315	356.1439	10091.05
29.46	6609.664	359.6902	10237.55
30.5	6503.13	351.0372	10068.91
36.79	6674.814	358.295	10443.17
40.33	6554.281	358.5753	10514.94
42.54	6881.586	369.6338	10907.13
39.25	6619.834	359.4352	10576.33
32.12	6519.629	350.2503	10101.66
31.04	6568.171	354.263	10159.32
29.67	6441.412	348.3327	9981.199
32.04	6775.088	365.7087	10454.95
33.75	7003.903	377.6119	10786.34
34.25	6909.898	370.6965	10636.85
37.25	7183.092	383.3084	11022.19
40.58	7432.045	393.9279	11369.65
36.21	6988.056	373.055	10751.13
37.46	6423.316	352.5498	10372.9
43.38	7124.548	377.4758	11084.64
40.67	6679.648	362.3349	10692.5
46.21	7169.246	381.0555	11277.11
41.38	7134.907	376.7584	10991.35
35.46	6212.421	345.2675	10153.05
30.25	6460.459	348.793	10010.07
30.42	6091.341	336.5583	9767.64
32.83	6636.312	356.3053	10261.97
27.88	6515.631	356.8078	10123.02
22.96	6069.408	336.6045	9501.986
34.25	7169.259	387.3482	11031.63
41.21	7440.618	393.6872	11381.76
47	7544.696	394.8702	11578.35
50.88	7747.642	403.1224	11883.02
59.92	7882.916	410.8023	12427.44
63.71	8095.469	418.9964	12694.74
64.38	8335.585	429.0905	12956.79
52.5	8209.241	426.415	12481.52
38.62	7074.294	375.6774	10884.77
38	6900.837	366.5292	10653.97
36.5	6918.819	368.868	10663.22
44.83	7223.503	381.6962	11225.78
28.58	6492.372	353.299	10061.1
32.58	6350.325	345.1923	10018.56
38.88	6399.551	353.188	10418.39
39	6565.62	357.7447	10535.04

35.62	6721.236	358.487	10397.05
35.38	6244.12	345.9669	10161.65
32.42	6659.047	358.0585	10289.29
29.25	6456.299	349.7306	9999.312
34.21	6708.688	359.0925	10368.32
44.79	6831.041	369.7012	10940.07
40.62	6787.644	365.3025	10742.73
33.58	6704.673	359.489	10358.07
33.83	6681.402	357.8984	10329.27
37.08	6508.832	354.3735	10387.54
40.29	6542.286	358.2083	10602.17
40.25	7176.687	379.9662	11033.04
39.33	7243.108	384.4362	11109.68
31.67	6679.488	360.0837	10311.85
31.25	6634.204	357.909	10248.94
34.04	6668.529	356.9528	10313.99
39.67	6834.218	365.6645	10705.61
40.08	6527.944	357.6457	10582.64
38.96	6451.453	354.6449	10478.5
35.71	6155.172	344.0944	10143.95
36.54	6583.438	355.6861	10385.77
35	6866.678	367.35	10582.44
33.25	6544.748	350.585	10143.9
36.04	6750.107	359.7483	10438.73
45.12	7020.608	375.7056	11132.37
48.17	7817.053	408.6131	11936.21
36.79	7001.609	373.2656	10773.7
33.58	6800.86	365.0334	10485.2
30.71	6604.671	356.7998	10206.46
36.46	6615.135	356.3957	10394.55
54.62	7595.087	399.32	11983.45
46.13	7685.512	403.0492	11746.14
45.96	7862.862	412.8402	11972.73
43.54	7209.712	380.1466	11139.38
42.5	7607.784	401.9509	11615.25
39.71	7272.335	385.7184	11150.95
41.5	6736.32	364.6163	10770.76
39.58	7195.115	381.5547	11050.13
42.46	7780.212	411.9864	11853.44
40.88	7538.741	399.846	11519.15
45.83	7543.065	395.6072	11562.23
53.83	7948.921	411.9134	12174.02
50.38	7735.849	402.8142	11861.7
46.21	6983.701	375.2339	11173.38
37.42	7111.907	378.8722	10922.66
34.42	7000.349	376.2159	10772.61
37.79	7092.88	377.4601	10901.17
37.29	7039.299	374.918	10827.12
44.79	7035.193	375.9224	11121.24
52.33	7373.804	390.7962	11604.61
59.17	8447.324	434.7553	12866.56
34.71	7196.471	388.2317	11065.96

24.46	6264.709	347.9797	9813.161
22.88	6165.983	343.9123	9676.679
26.08	6365.387	350.5268	9921.786
37.58	7634.366	408.9922	11648.86
32.25	6969.36	378.2686	10758.21
32.12	6795.143	366.8992	10485.43
35.08	6800.172	363.4801	10495.79
41.88	6687.977	363.5362	10636.82
51.46	7286.584	387.4949	11548.65
49.67	7219.954	384.5882	11340.8
42.29	6632.458	362.2257	10731.01
38.79	7070.36	375.3106	10881.32
36.88	7170.565	383.0678	11005.89
38.42	7205.544	383.1741	11052.84
38.75	7165.736	380.655	11004.31
50.75	8143.963	424.1622	12378.18
60	8950.875	460.2975	13501.03
59.42	8869.102	456.4025	13391.47
61.25	9199.133	472.4153	13826.57
61.67	9271.432	475.8937	13921.73
63.21	9166.408	469.4552	13809.75
66.38	8583.159	439.5269	13234.83
54.54	9379.962	486.6837	13988.02
48.5	8227.588	430.6942	12470.9
45.38	7149.699	379.8617	11218.16
39.75	7503.802	399.2393	11472.54
42.25	7696.494	407.3867	11737.79
46.88	8013.231	420.3636	12178.37
59.25	8748.359	450.2666	13239.9
58.42	8076.857	418.3577	12496.48
45.29	7254.896	383.0351	11270.55
42.04	7570.573	400.3174	11563.28
43.5	7779.906	410.7389	11853.17
46.25	8036.394	422.3035	12206.98
52.29	8006.927	415.9071	12225.97
57.33	8627.538	445.1754	13064.58
63.62	8994.983	460.4444	13604.67
65.71	8574.436	439.2387	13199.73
49.42	7997.327	417.3243	12178.07
53.46	7515.876	396.1583	11874.57
51.04	8007.805	416.7676	12211.11
48.71	7900.144	412.6588	12047.32
48.04	7680.628	401.4244	11762.67
49.12	7757.626	404.7931	11873
51	8266.453	430.5573	12537.7
54.5	8959.937	464.9794	13460.12
58.46	9108.956	469.6796	13683.4
46.96	7562.48	395.8507	11600.33
44.62	7611.218	400.1904	11634.95
51	8072.766	420.2268	12292.01
57.21	8463.448	436.7288	12859.51
60	7851.34	409.5333	12408.13

55.54	8464.907	437.8336	12839.15
58.92	8616.412	443.6409	13072.23
60.21	8199.034	423.4848	12669.16
59.04	8357.889	430.2047	12754.12
58.71	8441.34	434.7062	12852.72
61.38	8352.958	429.8666	12836.73
60.58	7853.917	409.5771	12434.8
59.62	8047.637	417.3713	12532.48
59.08	8333.894	428.9421	12725.01
54.46	7621.229	400.2391	11992.77
52.62	7347.286	389.9311	11725.12
53.21	7610.027	399.4557	11922.5
52.71	8084.108	419.6986	12327.87
58	8792.353	453.3382	13278.57
64.33	9165.927	468.7962	13824.82
68.17	9241.417	470.592	13972.87
61.83	9360.304	480.4044	14034.48
64.12	9872.001	505.2993	14696.01
67.12	9473.128	482.9213	14241.27
66.46	9360.286	477.5385	14093.58
56.04	9033.512	467.594	13565.88
56	8248.132	426.2532	12575.87
58.75	8136.428	420.7573	12554.52
67.42	9217.439	469.7602	13932.48
66.96	9306.628	474.5379	14035.02
63.92	8156.096	421.5194	12799.38
65.5	8634.128	441.8583	13237.77
70.08	8835.721	450.0393	13590.15
70.75	9332.451	473.9158	14122.68
69.04	9591.891	487.919	14414.23
66.67	9437.828	481.3715	14191.61
66.38	9110.143	464.8426	13785.81
67.33	9531.86	485.8033	14316.34
61.58	8589.871	440.775	13076.79
59.92	8690.771	446.8993	13177.9
56.42	8608.36	444.7485	13028.84
52.21	8722.343	454.2483	13138.82
54.38	8695.553	450.9247	13119.94
56.83	8409.77	434.168	12787.79
62.96	8099.765	419.3386	12569.88
66.71	8383.646	430.6331	13088.48
72.08	9046.2	459.2473	13846.25
69.17	8995.569	457.6266	13687.24
65.46	9132.744	466.4825	13800.19
70.12	8875.441	451.8704	13625.15
70.29	9136.968	464.2517	13877.06
69.04	9177.812	466.9276	13908.04
69.62	9540.647	485.0185	14360.07
70.04	8722.021	444.7789	13492.94
71.88	9380.289	475.7861	14198.18
71.46	9482.698	481.1595	14316.69
73.38	9024.006	457.6224	13874.48

74.04	9069.061	459.4823	13937.57
73.88	9132.079	462.6403	13987.87
74.46	9425.747	476.8717	14293.3
76.04	9783.156	494.0934	14752.28
74.08	10019.11	506.8915	15009.4
70.58	8721.902	444.5476	13512.73
71.79	9137.351	463.6781	13913.8
73.58	9740.686	493.1291	14663.04
68.08	9591.306	488.4131	14399.77
67.21	9263.766	472.2253	13986.15
68.04	9231.884	470.1745	13959.29
71.29	9371.226	475.6127	14178.16
69.75	9292.861	472.4046	14059.28
68.04	9169.201	466.9914	13882.59
67.58	9135.935	465.5352	13835.05
72.29	9060.533	459.8536	13866.59
72.12	9159.868	464.6539	13946.21
70.38	9273.347	471.1073	14044.94
63.42	9221.948	472.1979	13881.43
63.79	9036.882	462.4952	13658.59
66.08	9209.503	470.0632	13903.27
66.96	9214.259	469.8385	13921.86
71.08	9224.571	468.3046	13996.05
74.62	9367.423	473.8676	14224.86
75.67	9439.064	476.9966	14328.44
69.29	9611.374	488.7742	14441.68
72.75	9408.568	476.799	14245.95
73.54	9942.595	503.3126	14908.23
73.88	9934.768	502.7487	14903.78
78.09	10435.75	525.7868	15574.4
74.67	9683.383	489.7247	14609.92
72.46	9522.436	482.6774	14380.26
69.17	9474.348	481.8928	14272.45
69.5	9018.085	458.61	13719.79
68.21	9087.21	462.7432	13784.8
72.92	9386.767	475.6206	14222
72.12	9597.951	486.6518	14467.15
73.46	9527.044	482.4317	14401.12
70.67	9023.941	458.6363	13772.41
64.71	9076.592	464.0213	13720.49
63.38	8890.131	455.2066	13472.3
63	8977.332	459.8844	13574.18
64.04	9202.219	470.815	13865.34
64.17	9182.986	469.758	13843.53
68.17	9084.378	462.6193	13780.73
71.5	9220.762	467.9136	13997.84
74.83	9270.853	469.0142	14145.94
74.46	9023.797	457.0302	13911.63
73.75	9086.235	460.4665	13942.59
73	9256.89	469.04	14065.05
70.54	9480.464	481.5035	14300.18
70.38	9208.274	467.8157	13965.49

69.33	9198.488	467.8321	13937.67
68.88	9198.176	468.0395	13930.54
72.42	8958.471	454.9171	13782.71
74.04	9396.661	475.6007	14251.38
72.62	9736.173	493.3744	14643.09
61.75	9127.286	468.3468	13742.74
59.04	8759.059	450.9456	13250.3
63.79	9153.565	468.4669	13802.04
68.46	9578.245	487.5362	14389.16
71.71	9799.975	497.0526	14707.34
72.92	9826.608	497.7822	14757.75
74.21	9718.869	491.7272	14646.05
75.29	9339.21	472.1901	14224.13
76.71	9177.415	463.2668	14124.76
74.83	9590.607	484.9877	14499.55
72.96	9829.684	497.9172	14762.09
72.21	9705.057	492.0099	14599.05
72.67	9605.142	486.745	14484.21
71.17	9058.061	460.1031	13821.3
70.75	9201.549	467.2982	13962.92
69	9143.129	465.189	13865.04
68.17	9084.378	462.6193	13780.73
63.62	9140.403	467.8893	13783.47
68.54	9300.149	473.3836	14050.19
72.54	9629.182	488.0203	14511.53
60.5	8898.842	457.2888	13442.8
53.46	8649.064	449.191	13052.7
55.88	8723.055	451.2132	13168.67
58.71	8919.072	459.5118	13446.39
63	9188.659	470.7365	13834.72
66.54	9366.48	477.8103	14102.31
69.58	9152.055	465.3574	13884.7
72.29	9275.471	470.3045	14076.7
71.54	9389.178	476.3983	14203.85
71.5	9286.98	471.2572	14078.6
71.12	9054.649	459.9564	13816.41
70.48	9010.975	458.0789	13753.83
70.29	9169.459	465.8954	13916.73
71.54	9190.403	466.3619	13961.43
70.92	8819.088	448.954	13607.8
54.46	8511.768	441.0202	12884.81
53.08	8253.258	428.3452	12543.84
61.83	8804.627	451.6754	13345.03
67.75	9273.002	472.4126	14005.35
70.62	9882.517	501.8036	14791.79
69.17	9721.461	494.4303	14574.5
62.79	8961.502	459.1904	13551.74
69.16	8846.91	450.8159	13563.29
64.25	9218.586	471.5334	13888.4
47.21	8247.146	433.0912	12491.87
52.92	8389.705	435.6616	12713.52
57.75	7919.973	412.1447	12354.53

57.62	7874.046	410.3531	12316.44
60.75	8448.691	433.9574	12890.73
61.79	8455.001	434.1095	12931.71
65.75	8429.121	432.8879	13086.56
57.92	8358.845	430.8853	12739.59
55.92	8292.731	428.6244	12630.2
54.17	8214.692	425.624	12509.81
56.54	8133.824	419.9892	12441.35
57.38	8079.978	418.2242	12447.38
53.67	8346.037	432.825	12667.09
47.58	7919.422	414.5087	12058.41
49.88	7855.942	409.5041	12006.07
51.58	7955.945	413.676	12153.02
56.96	8419.304	434.5855	12801.38
62.17	8829.736	452.7754	13380.76
54.39	8537.915	442.4742	12917.71
45.92	7859.659	412.6996	11968.24
43.08	7457.159	393.0403	11422.04
41.79	7486.117	395.6848	11445.77
44.71	7656.899	402.5904	11693.98
47.17	7887.469	413.1061	12013.4
49	8079.001	422.0214	12277.49
54.38	7726.971	404.0791	12058.14
56.79	8176.477	422.0647	12497.77
50.21	8259.759	430.8772	12523.25
46.92	7847.431	411.1494	11959.98
45.67	8060.843	424.3005	12238.31
43.17	7797.208	412.1151	11876.66
46.42	7768.121	407.2707	11854.01
43.96	6792.928	368.0412	10943.42
40.29	6950.81	369.5094	10802.03
34.08	6867.309	368.3279	10576.41
35.96	6968.956	372.2172	10724.12
36.25	7068.42	377.6558	10859.31
37.25	7036.284	374.7858	10822.85
44.33	7473.82	392.9765	11457.03
54.04	8011.631	415.0727	12255.04
54.5	8409.875	435.6258	12757.23
38.58	7309.472	389.165	11199.4
40.67	7311.447	387.0448	11210.58
45.25	7177.939	380.6344	11226
51.12	8081.811	420.6234	12304.83
46.75	7609.125	398.4982	11656.76
53.54	8288.168	429.8761	12593.26
42.54	7435.046	392.2682	11388.07
45.33	7467.677	391.9067	11460.77
57.46	8222.533	424.0769	12564.26
41.04	7392.18	391.1715	11317.93
34.08	6797.327	364.3096	10484.14
44.21	7599.272	399.8646	11615.29
48.62	8210.798	429.6499	12449.3
40.25	7348.164	389.4342	11253.74

47.75	7979.925	417.6718	12138.46
43.08	7901.807	418.2477	12020.41
42.92	7574.759	399.5765	11570.48
46.12	7825.783	410.5973	11923.64
51.95	8236.871	428.2393	12509.21
51.22	8458.72	440.8376	12789.95
42.17	7624.532	403.3028	11638.14
49.08	8085.342	422.2997	12286.39
57.29	8650.312	446.3825	13092.29
56.12	8281.941	427.9425	12619.49
61	8826.571	453.2748	13360.49
62.21	8889.417	455.8173	13454.84
59.71	8016.74	416.1462	12514.42
43.92	7310.806	384.4455	11244.89
37.29	7023.663	374.0399	10806.79
38.71	7282.3	387.3543	11160.02
38.38	7008.115	372.1963	10796.77
41.96	6609.918	361.3511	10700.75
35.08	6916.229	370.095	10648.11
32.75	6737.023	362.2326	10395.06
37.62	7285.052	389.0209	11168.56
36.21	7003.141	373.908	10770.83
31.67	6771.157	366.1567	10454.81
38.42	7156.905	380.4611	10989.85
47.42	7573.996	396.151	11620.52
48.67	7114.598	380.6606	11381.37
47.96	8049.464	421.3391	12232.03
22.67	5992.053	330.4022	9348.803
22.67	5992.053	330.4022	9348.803
25.62	5838.093	324.4076	9332.337
24.96	5681.399	320.4989	9234.188
27.96	5886.209	328.8837	9519.673
35	6181.005	344.035	10110.28
36.79	6228.941	346.9381	10243.43
29.33	6508.692	352.7725	10070.64
22.46	5873.037	322.7034	9172.689
25.33	6202.887	339.658	9644.676
24.17	6077.111	333.2802	9463.22
45.7	7473.936	391.979	11473.09
24.54	6242.902	345.776	9764.084
18.04	5633.174	315.8979	8870.493
21.67	5922.768	327.9846	9262.209
33.54	6927.007	372.997	10670.91
28.83	6333.69	342.8682	9830.918
41.96	7157.052	377.5273	11026.17
21.79	5983.336	333.7638	9399.985
28.08	6523.059	356.8226	10129.3
40.62	7701.177	409.7543	11747.8
43.67	7794.213	411.3668	11872.97
39.92	6517.016	357.217	10567.76
35.5	6512.453	352.7072	10285.44
33.88	6865.617	368.4427	10572.79

39	7201.218	382.4048	11052.5
51.75	7584.515	397.9601	11829.88
39.21	7650.527	408.7696	11683.95
39.58	7195.115	381.5547	11050.13
44.83	7223.503	381.6962	11225.78
51.88	7445.066	393.1475	11749.5
60.92	8099.353	419.5001	12629.04
54.12	7440.461	393.5795	11815.55
39.79	7058.623	373.8187	10876.24
35.12	6817.613	364.4354	10519.01
43.12	7348.472	387.0913	11283.79
52.67	8369.89	434.7917	12685.71
41.83	7553.586	399.5717	11539.56
34	6791.297	364.0452	10475.59
27.83	6369.416	346.2892	9875.509
34.17	6496.012	350.6692	10188.14
51	7282.974	387.2251	11483.84
45.08	7314.794	384.7002	11290.62
45.71	7494.575	393.0832	11499.37
35.96	7195.306	386.011	11049.4
41.08	7513.747	398.1315	11483.98
41.75	6976.178	371.6704	10907.17
40.17	6979.76	370.182	10808.41
41.46	7193.744	379.9252	11067.67
42.71	7691.258	406.5399	11730.64
41.25	7590.548	402.4284	11591.2
54.54	8119.596	420.4208	12396.27
28.92	6629.213	362.4135	10285.82
25.71	6357.294	351.1062	9924.242
29.12	6636.118	362.4054	10291.55
37.33	7473.893	401.0215	11445.5
46.33	7892.491	414.1408	12014.2
45.62	7128.969	379.3929	11220.71
34.62	6766.672	362.0133	10447.98
32.42	6833.664	368.9001	10541.48
25.67	6353.633	350.9456	9919.273
21.17	5986.424	335.9898	9437.389
20.96	5913.828	331.0264	9310.733
27.38	6271.129	340.871	9739.2
29.88	6017.288	334.2499	9702.382
34.17	6719.858	359.7726	10382.71
36	7016.943	374.8958	10787.18
49.38	7274.366	386.2758	11513.77
38.04	7283.699	388.3429	11164.44
36.96	7264.445	388.7354	11142.86
48.12	7834.502	409.5796	11957.6
34.08	7002.248	376.9191	10779.47
31.92	6791.993	367.0712	10483.7
44	7545.102	397.0932	11544.07
28.33	6692.471	367.2049	10386.42
23.33	6233.959	346.9005	9763.78
27.33	6183.021	335.5316	9617.921

30.46	6280.01	340.6709	9840.906
30.5	6771.211	368.6436	10479.37
31.75	6949.632	378.0244	10737.77
33.04	6970.95	376.7863	10746.17
36.38	6423.885	351.4801	10304.46
35.83	6646.459	356.425	10365.95
35.88	7155.203	383.6317	10990.6
46.04	8357.692	440.3503	12633.71
49.04	8912.369	466.4318	13351.04
39.33	7603.592	405.7824	11616.29
35.88	7254.725	389.8574	11138.42
43.75	7186.92	379.6602	11140.33
38.25	7356.594	392.4699	11268.6
39.17	7319.136	388.9713	11211.59
48.71	7814.27	408.0865	11939.22
43.38	7724.389	407.6857	11776.93
35.38	7128.894	382.7869	10956.16
36.83	7149.117	381.817	10974.74
42.46	7692.381	406.8976	11732.08
45.58	8353.501	440.4079	12623.53
42.46	8373.821	443.1281	12613.44
45.42	8233.979	434.3632	12471.58
58.75	8173.474	422.2118	12580.73
60.46	8483.696	435.9178	12929.77
55.54	8115.508	419.6123	12404.76
62.96	8773.089	449.4365	13322.28
44.46	7766.336	408.9107	11836.65
47.62	7817.979	409.0566	11930.86
56.88	8669.852	447.6547	13111.15
55.67	8902.34	460.9188	13395.51
62.33	8841.551	453.293	13397.57
48.96	7854.2	410.0384	11992.52
47.79	7128.7	380.7046	11342.42
46.92	7682.996	402.337	11752.16
41.46	7861.922	418.0427	11969.32
44.12	8440.141	445.5553	12714.07
45.92	7589.614	398.0467	11622.26
48.96	8048.567	420.3782	12237.07
43.29	8278.861	437.964	12506.14
44.25	7983.539	421.5252	12131.84
44.79	7793.031	410.0826	11873.93
50.38	8137.638	424.0869	12365.78
47.12	7553.067	395.2362	11590.4
57.83	8639.868	445.5079	13086.52
60.71	8942.698	459.4238	13499.78
45.67	7864.218	413.2074	11973.34
45	7737.925	406.74	11800.03
54.96	8371.272	433.3138	12715.12
51.21	8283.269	431.2955	12561.24
47.83	7707.694	403.0146	11794.24
47.71	7552.311	394.7957	11596.75
45.17	7775.431	408.6943	11851.48

45.88	7831.706	411.1648	11930.46
48	7762.2	405.806	11865.02
51.08	8033.438	418.0951	12243.72
57.92	8385.017	432.2421	12772.02
60.17	8408.821	432.2155	12833.17
65.25	8691.094	444.3402	13271.51
66.42	9174.105	468.0789	13864.8
63.21	9244.199	473.4791	13906.4
58.79	9066.693	467.2133	13633.4
57.38	8913.893	460.2013	13425.96
57.92	8786.012	453.0598	13269.67
59.38	8758.291	450.7023	13253.95
61.79	8269.845	426.4857	12794.05
52.25	7618.645	399.3807	11877.9
51.92	8142.116	423.2672	12390.31
54.67	8030.747	415.6979	12287.4
59.12	8087.591	418.8997	12537.64
60.08	8484.462	436.1658	12925.31
61.21	8758.841	449.6696	13279.87
54.88	8866.015	459.6314	13342.58
57	8713.091	449.8586	13167.34
63.21	8964.287	459.0989	13561.1
65.88	8922.283	455.5295	13548.13
62.75	8987.126	460.527	13582.72
54.17	8520.298	441.7008	12893.04
58.12	8662.024	446.4797	13117.84
54.58	8744.236	453.3677	13184.07
57.54	8927.227	460.7866	13444.45
61.25	9199.133	472.4153	13826.57
63.88	9297.851	475.8344	13981.51
64.5	9238.069	472.3886	13915.84
63.88	9160.533	468.7727	13811.86
66.88	9454.302	482.0947	14214.78
67.96	9624.567	490.1768	14438.86
60.42	9094.018	467.4964	13685.46
58.62	8753.286	450.9013	13237.52
63.67	8940.508	457.6282	13538.4
68.17	9524.088	484.9429	14318.72
71.25	10024.4	508.6378	14973.55
69.71	10206.71	518.7652	15174.63
67.17	8951.8	456.3806	13603.48
61.96	8955.408	459.3484	13532.64
62.58	8360.798	430.2733	12897.79
68.12	8516.934	436.1147	13250.49
69.83	9395.413	477.557	14185.75
67.25	8716.553	445.3008	13378.2
64.38	8520.675	437.0138	13100.09
63.54	8130.144	420.5013	12764.04
57.33	8317.082	429.0587	12679.66
59.71	8566.808	440.622	13021.83
60.04	7900.348	411.4982	12304.72
62.42	7979.598	414.4219	12604.29

62.46	8680.203	444.9412	13200.74
59.75	8732.345	449.1438	13226.93
63.12	8669.263	444.0298	13196.84
68.83	8713.4	444.8002	13439.52
72.67	9197.397	466.2802	14000.23
75.21	9259.823	468.285	14149.55
74.54	9251.062	468.1701	14117.71
75.71	9441.793	477.1158	14332.38
71.92	8628.496	439.4354	13479.36
74.29	9086.127	460.1868	13961.47
73.29	9412.768	476.7575	14259.37
76.08	9573.382	483.5526	14498.07
77.12	9681.914	488.5263	14646.16
78.88	10063.74	506.8356	15136.82
78.71	10124.77	509.9637	15208.16
75.08	9433.746	476.9933	14312.71
69.83	9492.18	482.4562	14303.95
73.29	9752.997	493.8908	14673.65
73.29	9684.951	490.4641	14590.79
59.58	9276.907	477.6613	13906.1
61.92	8426.841	432.9661	12916.89
63.42	8233.018	424.8671	12837.61
65.21	8244.197	424.9756	12919.33
69.04	9018.551	458.8539	13713.35
70.54	9186.899	466.6578	13941.83
71.5	9286.98	471.2572	14078.6
73.33	9415.579	476.8804	14263.41
72.88	9654.464	489.1282	14547.46
75.04	9640.496	487.3967	14563.46
74.5	9137.43	462.5974	14014.62
75.96	9494.237	479.6361	14400.03
75.58	9714.463	490.86	14661.71
75.08	9324.879	471.574	14203.59
73.58	9604.002	486.2489	14496.64
71.08	9685.088	491.5734	14557.91
71.17	9757.891	495.2053	14648.06
72.88	9620.65	487.4244	14506.28
72.29	9376.007	475.3748	14199.22
74.17	9853.804	498.5328	14809.62
75.75	10114.83	510.8726	15150.84
76.42	9775.209	493.5192	14748.51
67.96	9667.339	492.3581	14491.3
66.5	9466.073	482.9152	14224.02
67.54	9288.473	473.3083	14021.21
69.33	9582.491	487.2896	14406.96
66.96	9586.446	488.8071	14378.34
69.62	9540.647	485.0185	14360.07
74.38	9835.162	497.493	14790.11
65.58	9322.238	476.0831	14034.4
66.29	9133.99	466.1044	13813.73
71.08	9717.982	493.2354	14598.04
74.04	9396.661	475.6007	14251.38

77.38	9591.849	483.9006	14540.94
76.5	9421.78	475.7399	14342.43
71.96	9111.97	462.4208	13898.54
70.5	9314.5	473.1302	14096.99
74.08	9605.989	486.1116	14506.71
73.25	9613.972	486.909	14503.76
69.79	9489.165	482.324	14299.68
70	9015.21	458.3853	13738.01
68.88	8790.804	448.3186	13505.53
67.21	8923.673	454.9303	13569.63
68.67	8813.468	449.401	13515.8
67.92	9223.083	469.789	13946.75
71.71	8725.096	444.1451	13555.57
71.46	8708.023	443.4695	13532.22
71.38	9072.391	460.7192	13841.83
71.21	9299.561	472.0312	14089.52
71.71	9334.953	473.5792	14140.31
58.04	8795.523	453.4774	13283.02
59.08	8655.075	445.5459	13122.24
61.17	8922.883	458.133	13481.63
64.67	9014.356	460.8634	13643.49
69.21	8739.341	445.8711	13475.84
72.46	8665.38	440.8572	13529.1
73.42	8915.818	452.3538	13780.51
71.58	8716.218	443.7938	13543.43
73	9072.015	460.1197	13902.98
69.75	8665.23	442.2662	13434.47
73	8813.19	447.6312	13676.08
67.75	8898.683	453.395	13547.16
59.71	8837.677	454.6047	13356.54
60.96	8684.929	446.0062	13185.19
63.71	8623.033	441.3558	13148.64
68.21	8486.081	434.6867	13228.61
69.08	8545.459	437.0426	13094.89
62.54	8358.068	430.1587	12893.93
56.25	8519.153	440.213	12915.85
56.83	8307.306	428.8421	12660.66
58.67	8385.377	431.8332	12782.91
61.96	8503.631	436.1408	12976.01
61.54	7947.256	413.2452	12495.8
50.33	7910.78	412.1093	12080.54
51.38	8010.081	416.6626	12218.25
56.83	8384.154	432.8365	12756.01
61.46	8637.4	443.284	13133.66
66.96	8622.75	441.1748	13290.53
69.88	8544.622	436.6343	13229.32
67.12	8328.377	428.0342	13007.36
68.88	8642.822	441.5636	13383.06
56.58	8340.459	430.7136	12698.39
53.29	8078.732	419.0495	12328.72
57.12	8250.69	425.7322	12594.43
64.38	8631.729	441.7677	13186.07

66.25	8500.268	435.9017	13163.4
51.75	7876.066	409.3558	12055.26
49.67	7774.879	405.3433	11901.6
49.5	7740.974	403.6556	11856.84
50.12	7740.165	403.2092	11863.75
60.83	8278.388	426.7633	12756.08
66.04	8263.872	425.5764	12967.12
64.96	8486.23	435.4924	13098.47
52.5	8068.814	419.029	12306.04
57.96	7971.359	414.1678	12400.38
51.67	8238.173	428.4997	12507.4
49.21	7742.318	403.9192	11854.88
58.58	8050.731	417.3655	12485.78
63.79	8156.449	421.5673	12645.25
52.88	8143.685	422.7204	12404.47
50	7798.238	406.365	11935.12
52.04	7270.592	387.0913	11648.15
48.71	7525.39	394.2115	11625.29
49.62	7661.673	399.3676	11758.73
43.75	7488.386	394.211	11469.12
41.12	7187.27	379.8395	11055.72
42.29	7216.116	380.5066	11105.45
46.92	7580.224	396.8293	11622.27
47.5	7642.129	399.74	11707.5
45.92	7260.78	383.7111	11311.25
50.58	7504.651	394.6359	11717.52
54.42	7581.43	398.7749	11964.67
60.08	8004.962	415.6866	12522.68
57.46	8122.49	419.8817	12480.81
60.21	8124.956	420.5085	12615.47
39.21	7496.085	399.5189	11463.77
36.38	7078.724	378.1082	10873.77
42.83	7549.234	398.2599	11536.96
52	8124.997	422.3122	12369.9
44.54	7891.087	415.9266	12006.4
40.5	7212.169	381.716	11081.24
51.58	7795.403	405.2084	11952.07
58.75	8444.192	434.831	12856.81
53.54	7595.484	399.0442	11929.96
45.96	7263.51	383.8266	11315.13
49.42	7462.562	392.5787	11628.27
55	8250.881	427.001	12565.84
40.29	7469.383	396.493	11422.51
36.83	7201.204	385.0315	11051.12
34.21	6906.727	370.5573	10632.4
36.58	6924.686	369.125	10671.58
46.38	7521.722	394.0685	11541.76
55.62	7811.619	407.5735	12176.68
56.12	7771.633	406.1954	12174.35
58.5	8045.27	417.1382	12478.1
57.67	7766.273	406.2077	12063.77
58.96	7798.815	407.5028	12232.96

60.79	7942.333	413.1333	12508.34
61.29	8124.615	420.5256	12664.09
48.42	7856.963	410.5641	11989.48
43.17	7594.371	400.4375	11598.07
37.29	7239.542	386.7141	11104.28
29.54	6662.11	363.235	10323.49
24.79	6250.504	345.4862	9764.881
29.57	6733.376	368.2271	10442.11
37.79	7390.09	395.1773	11319.81
47.58	8227.822	431.6275	12467.32
51.29	8071.839	419.9823	12294.45
56.25	7743.45	405.1592	12161.55
37.83	7143.651	380.2652	10967.42
36.21	6822.13	363.6712	10534.4
40.17	7153.754	378.7662	11002.71
51.75	7584.515	397.9601	11829.88
35.04	7147.43	384.5299	10987.7
34.71	6887.772	368.8464	10607.92
48.5	7473.963	392.3781	11583.01
49.88	7178.674	383.2799	11404.49
44.33	6818.197	369.0326	10977.82
38.29	7322.884	390.372	11219.84
34.79	7156.764	385.5594	11004.89
37.62	7231.03	385.7219	11090.13
42.75	7007.301	373.4736	10984.83
45.71	6921.7	373.021	11003.47
44.12	6766.736	367.3539	10938.46
32.96	6339.085	345.4318	10040.41
31.04	6245.22	340.7456	9869.333
25.12	6112.498	334.1028	9513.577
20.46	5828.887	324.1758	9136.792
28.62	6570.268	358.8941	10194.05
30.08	6603.084	357.8481	10212.23
28.79	6421.154	348.189	9949.623
29.71	6514.972	352.6767	10080.79
38.92	7470.732	398.4065	11429
41.58	7490.883	396.2023	11452.17
41.42	7190.913	379.8013	11063.61
50.29	7841.04	408.4426	11992.53
57.88	8277.557	426.694	12638.33
59.17	8366.891	430.5981	12767.1
35.38	7145.073	383.8067	10980.36
33.88	6740.569	361.2516	10407.76
38.08	7305.382	389.6038	11195.57
33.12	6792.492	365.0439	10471.02
40.29	6950.81	369.5094	10802.03
49.71	7593.63	397.1452	11723.06
41.71	7885.411	419.073	12001.03
34.96	7219.551	389.2442	11097.23
40.92	7562.776	401.2096	11552.78
23.17	6143.508	342.6632	9649.546
23.25	6081.969	336.5319	9509.13

37.5	7471.956	400.6268	11441.02
20.33	5964.971	334.69	9394.19
18	5645.813	318.9546	8939
26.46	6222.928	339.127	9669.958
30.5	6478.794	349.596	10036.2
18.79	5751.732	325.6138	9121.929
16.33	5494.571	311.0665	8705.117
26	5864.03	325.496	9368.995
30.17	6346.598	342.1195	9856.239
27.67	5903.613	328.8086	9504.749
22.75	6033.612	334.0978	9437.227
17.62	5611.971	317.4698	8892.779
14.04	5300.589	301.9269	8423.112
21.25	5907.373	328.5574	9262.58
28.25	5906.008	329.6942	9547.269
29.62	6073.921	335.0843	9704.686
27.42	6252.914	339.703	9714.323
25.83	6284.437	344.7946	9779.91
30.33	6623.307	358.7358	10240.48
33.29	6751.37	362.4841	10417.72
31.12	6712.617	363.2769	10370.74
30.12	6689.518	363.8161	10354.25
34.71	7087.046	381.2604	10900.61
30.38	6627.352	358.9134	10246.12
33.75	6689.485	358.443	10339.31
38.38	7202.427	383.0373	11048.45
45.25	7781.772	408.9727	11860.38
30.25	6352.098	342.3598	9864.178
30.42	5979.778	334.1611	9726.028
46.46	7334.743	386.4405	11384.44
37.42	7096.205	377.991	10902.24
45.25	7540.82	395.9102	11552.64
33.08	6931.575	374.1277	10684.38
37.71	6477.539	354.1989	10413.4
50.58	7615.912	398.4321	11785.47
35.67	6843.14	365.3615	10557.1
34.25	6767.893	362.4486	10446.64
36.21	6852.298	365.3773	10573.81
41.96	7211.115	380.4867	11095.39
51.54	7815.588	406.2979	11976.81
55.92	8217.277	424.6933	12536.44
48.92	7085.295	379.7976	11338.83
54.17	7453.151	394.0481	11868.57
44.75	7718.314	405.879	11772.44
38.83	7519.849	401.4896	11499.79
46.75	7793.334	408.3766	11889.66
45.5	7777.148	408.462	11855.21
36.5	7190.794	384.8841	11038.15
36.88	7222.775	386.2876	11082.4
44.92	7947.343	418.7036	12083.45
44.92	7947.343	418.7036	12083.45
46.17	7728.849	405.3488	11801.47

57.5	8958.128	462.4486	13483.21
58.62	9122.683	470.282	13702.3
54.71	8787.239	455.5614	13240.28
56.79	8176.477	422.0647	12497.77
46.33	7720.739	404.7934	11793.03
33.88	6955.344	374.2407	10710.2
39.67	7319.813	388.3835	11211.8
45.75	8067.837	424.6074	12247.91
55.25	8120.234	420.0294	12406.67
48.54	7780.42	406.4014	11894.53
29.62	6646.214	361.9158	10294.74
38	6916.836	367.4238	10674.72
43.12	6958.307	372.3477	10981.72
44.42	6805.771	368.7141	10906.31
42.75	6636.039	362.6308	10792.43
47.12	7491.098	391.9176	11512.11
49.08	7776.432	405.82	11896.16
54.42	8306.182	430.2537	12627.05
50.25	8687.776	454.2693	13084.18
50.46	7875.523	410.1565	12037.95
46.67	7766.795	407.0128	11855.19
41.42	7731.51	410.4671	11787.62
44.29	7566.962	398.0516	11575.06
42.17	7733.138	409.6121	11788.58
45.29	7857.746	413.2311	11963.21
52.54	8142.002	422.8523	12398.01
62.38	8458.231	434.3156	12961.86
55.17	8436.638	436.5937	12799.18
37.83	7659.339	410.099	11682.4
50.29	8765.905	458.3046	13183.3
54.88	9058.59	469.9212	13589.21
53.38	8299.879	430.5951	12605.83
37.96	7441.66	398.0591	11393.21
45.92	8181.827	430.8417	12401.64
53.62	8600.525	446.4476	12991.44
50.96	8205.457	427.2662	12457.8
39.62	7374.81	391.7241	11289.91
47.33	7630.009	399.2097	11690.13
57.67	7766.273	406.2077	12063.77
62.08	8474.789	434.9669	12960.19
58.83	7919.612	412.2507	12404.82
48.79	7104.23	380.3721	11305.03
49.38	7608.204	397.4147	11712.92
53.62	8030.498	416.3155	12272.92
58.71	8207.79	423.5488	12603.03
49.79	7739.332	403.3786	11858.47
50	8041.64	419.268	12240.72
48.67	7940.025	414.8109	12097.06
47.62	7079.99	379.0443	11305.1
44.67	7479.176	393.0114	11467.7
47.12	7194.262	382.4346	11342.96
50.38	7416.823	391.5461	11653.19

50.25	7815.933	407.139	11960.51
51.5	8423.839	438.6929	12746.45
54.25	8653.031	448.7521	13064.25
57.67	8972.435	463.0765	13503
52.5	8256.049	428.877	12540.02
56.96	8419.304	434.5855	12801.38
62.96	9031.81	462.6996	13640.66
66.79	9293.727	473.9721	14016.75
67.96	9581.795	487.9955	14386.42
65.5	9509.105	485.7163	14263.72
67.29	9486.464	483.5068	14260.03
64.83	9494.577	485.383	14237.19
55.71	8774.711	454.0926	13232.97
65.12	9437.601	482.2734	14170.49
70.42	9601.769	487.6995	14446.49
58.5	8972.186	462.4541	13511.15
50.21	8655.734	452.556	13042.05
52.75	8558.374	444.9043	12930.16
60.21	8767.02	450.664	13276.08
67.67	9391.663	478.4837	14149.43
68.71	9185.969	467.5053	13913.07
64.29	8162.84	421.7217	12719.28
61.25	7973.749	414.3658	12551.11
61.71	8042.196	417.1211	12621.38
62.33	8306.706	428.02	12845.9
68.08	9328.903	475.0803	14078.59
67.83	9091.546	463.1533	13784.43
59.5	8875.378	456.678	13400.3
63.04	8355.17	430.0372	12914.09
60.65	7886.468	410.8863	12414.2
53.62	7600.946	399.2659	11937.54
51.96	7913.845	411.2147	12105.28
58.5	8399.899	432.681	12798.51
67.12	9010.055	459.3685	13674.08
73.46	9527.044	482.4317	14401.12
65.21	9143.922	467.188	13810.32
60.42	8673.052	445.699	13162.97
61.46	8099.189	419.4797	12652.8
61.25	8195.951	423.4393	12714.89
56.88	8737.308	451.2273	13196.83
59.71	8999.966	463.0627	13559.35
64.46	9234.952	472.2518	13911.45
69.5	9403.131	478.1148	14190.28
71.21	9464.363	480.3565	14290.57
70.29	9429.383	479.0452	14234.09
73.42	9211.601	466.704	14041.29
69.5	8537.183	436.4697	13318.23
72.83	9060.412	459.6327	13886.58
72.92	9177.481	465.2372	13992.4
74.46	9598.849	485.5741	14503.87
74	9214.21	466.5984	14065.15
71.04	8716.326	444.0732	13524.54

65.46	8982.625	458.8242	13615.99
70.5	9216.707	468.1844	13977.61
72.29	9476.544	480.4452	14321.75
68.17	9641.383	490.915	14462.4
70.83	9469.262	480.7922	14290.84
73.5	9529.916	482.5574	14405.23
74.21	9649.883	488.2578	14562.11
71.79	9340.615	473.8268	14148.44
71.46	8671.041	441.7211	13500.47
69.29	8818.789	449.493	13545.09
64.62	9069.853	463.726	13710.93
65.04	9101.299	465.1043	13755.56
66.08	9239.844	471.6092	13940.48
68.88	9452.339	480.9276	14241.29
72.96	9491.141	480.8605	14349.75
73.5	9325.135	472.2482	14155.93
69.57	9376.213	476.7159	14158.43
65.29	9209.827	470.5078	13892.34
61.38	8827.275	453.0936	13366.64
69.75	9325.076	474.0358	14098.64
75.29	9798.625	495.2212	14759.54
72.21	9166.009	464.92	13955.05
67.96	9069.514	461.9692	13759.4
65.58	9021.388	460.7385	13665.3
70.71	9264.169	470.4832	14038.73
68.92	8904.521	453.5022	13601.31
69.5	8870.115	451.7976	13596.23
69.38	9009.897	458.2524	13707.96
71.46	9383.433	476.1469	14195.63
72.25	8946.866	454.438	13766.46
65.67	8719.752	445.5821	13312.76
67.92	8941.562	455.4903	13602.22
69	8835.99	450.3539	13547.78
68.38	8830.673	450.2408	13518.1
64.79	8215.513	423.8504	12880.27
65.25	8209.915	423.478	12894.01
67.75	8343.664	428.4558	13095.25
69.62	8952.289	455.5558	13669.75
71.38	8924.459	453.7329	13715
71.08	9014.935	458.0994	13780.92
73.33	9020.592	457.4815	13869.7
73.67	8858.944	449.4418	13738.68
73.96	9248.45	468.2883	14094.09
73.67	9228.661	467.4375	14065.73
74.12	9111.491	461.5177	13978.12
72	8781.88	446.6897	13614.64
68.42	8907.399	453.7135	13582.84
72.79	9020.705	457.7389	13850.4
78.08	9749.376	491.4762	14743.11
76.21	9724.508	491.0733	14683.67
73.92	9388.351	475.2375	14239.4
72.29	9342.495	473.6847	14158.38

71.29	9066.25	460.4552	13833.03
64.92	9062.566	463.1913	13706.28
64.08	8463.18	434.5698	13042.49
66.46	8773.658	447.918	13390.35
68.25	9121.49	464.4634	13827.34
71.17	9494.37	481.8922	14326.57
64.46	9087.387	464.7094	13730.18
71.04	8753.311	445.8119	13556.1
63.71	8797.813	450.3022	13363.53
62.25	8636.954	442.8338	13144.45
60.54	8626.831	443.2494	13107.59
61.12	8668.774	445.0855	13167.52
65.38	8946.857	457.0411	13570.93
69.79	8926.899	454.3448	13655.35
68.42	9039.003	460.1926	13728.98
67.67	9080.139	462.6543	13768.08
68	8656.74	442.4612	13360.17
68.54	8730.6	445.6638	13442.26
71	8861.535	450.9154	13646.96
71.54	8639.522	440.1851	13476.14
74.21	8895.821	450.9011	13789.12
75.17	8961.379	453.4954	13878.8
75.04	9063.396	458.6379	13966.57
72.75	8759.141	445.1773	13620.42
73.46	8992.494	456.0531	13849.51
60.5	8366.978	430.2951	12805.02
56.5	8283.779	427.8128	12626.95
59.04	8384.633	431.5874	12787.2
62.83	8591.671	440.2041	13097.13
66.17	8882.038	453.331	13503.07
67.79	8995.053	458.2714	13665.73
67.46	8804.89	449.219	13458.55
69.79	8926.899	454.3448	13655.35
70	9084.543	461.737	13808.62
70.58	8980.812	456.6441	13732.25
63.29	8883.53	454.9175	13462.89
52.83	8257.858	428.7519	12546.42
52.79	8113.487	421.1915	12365.6
57.33	8187.726	422.3434	12519.28
65.75	8429.121	432.8879	13086.56
67.54	9008.698	459.0889	13678.68
66.54	9152.453	466.9132	13840
58.12	8504.376	438.3114	12922.61
65.62	8235.186	424.4608	12928.25
69.71	8810.465	448.9881	13554.62
57.62	7679.515	402.8557	12136.42
51.08	7390.442	390.9486	11674.07
52.79	7995.724	415.0028	12218.51
54.79	8088.144	418.6266	12360.49
53.88	7976.442	413.3254	12209.01
55.54	7954.407	412.8687	12268.27
59	8116.445	420.019	12552.43

60.21	8548.282	439.385	13005.96
65	8889.783	454.326	13495.31
67.54	8946.526	455.9291	13602.57
67.29	8898.255	453.5983	13539.7
65.58	8780.708	448.4629	13370.01
50.83	8150.157	424.434	12386.91
40.42	7459.818	395.7644	11408.85
39.33	7276.464	386.2871	11152.74
42.17	7624.532	403.3028	11638.14
44.83	7748.482	407.5112	11813.66
49.38	8059.703	420.6661	12256.01
50.71	7960.945	414.5105	12148.23
52.67	8057.704	418.3362	12294.36
55.62	8221.04	425.0679	12537.05
59.62	8479.177	436.1485	12912.27
61.67	8002.433	415.491	12590.16
61.08	8147.312	421.4519	12671.42
52.33	8242.974	428.3034	12521.56
52.29	8053.521	418.3594	12284.22
56.38	8199.066	423.4754	12520.13
55.88	8264.707	427.1883	12594.83
49.17	7717.783	402.6416	11823.52
50.29	7729.662	402.5439	11852.77
54.29	8053.263	417.1018	12310.29
54.08	7669.422	401.8873	12005.29
56.71	8108.367	419.0886	12432.8
54.29	8418.042	436.1897	12764.72
39.25	7634.947	407.7767	11661.46
40.25	7834.733	417.531	11925.67
41.5	7548.065	399.6379	11531.79
41.25	7548.608	399.9703	11532.62
42.5	7695.747	407.0454	11736.74
45.96	7912.492	415.6341	12039.47
53.5	8237.302	427.2346	12529.29
44.17	7859.646	414.5468	11963
39.21	7267.112	385.8766	11139.57
47.62	7587.948	396.761	11640.6
54.92	7875.03	409.6983	12183.38
60.04	7900.348	411.4982	12304.72
54.58	8464.961	438.4543	12826.85
45.54	7829.229	411.3638	11925.65
43.92	7462.983	392.701	11438.64
46.33	7457.449	390.6513	11459.81
46.58	7380.039	387.9626	11417.03
35.04	6927.639	370.7859	10662.78
37.17	6999.104	372.7707	10773.77
42.67	7555.148	398.7155	11542.89
31.75	6764.608	365.5589	10443
33.79	6775.467	363.3512	10453.15
35.83	6884.573	367.5602	10612.68
27	6503.351	358.448	10135.32
23.25	6157.303	343.5803	9673.381

24.54	6162.263	338.8092	9601.221
28.75	6418.098	348.055	9945.302
39.92	6851.28	366.3863	10729.83
50.33	7376.321	390.1467	11625.89
43.46	7523.184	396.3299	11510.32
39.25	7270.229	386.0134	11143.96
37.42	6939.182	369.1796	10698.13
36.96	7159.633	382.2786	10989.43
32.33	6665.412	358.5262	10297.15
32	6588.8	354.414	10192.95
23.58	6040.366	331.8494	9411.445
24.92	6269.723	346.6411	9795.828
30.5	6759.016	367.7977	10459.4
25.88	6322.302	347.7019	9849.558
32.62	6808.554	366.8675	10499.16
36.46	7085.065	378.3865	10882.67
29.92	6507.488	351.9759	10071.69
32.17	6062.088	338.1317	9876.403
37.71	6375.352	351.5404	10277.02
40.42	7419.233	393.3654	11351.71
27.12	6401.385	350.2386	9946.031
37.17	6338.473	350.0904	10227.99
34.08	6527.039	351.291	10194.85
38.75	6446.377	354.3329	10371.46
47.33	7713.064	403.654	11795
28.67	6489.024	352.8412	10052.96
32.71	6507.903	348.9758	10090.63
23.75	6027.367	330.735	9392.801
24.79	6050.785	330.6674	9426.465
27.71	6401.448	348.686	9926.957
17.71	5614.719	316.6519	8877.07
26.21	6333.495	347.5703	9856.332
19.71	5815.04	327.9421	9200.085
18.92	5725.001	322.1165	9040.967
28.08	5857.202	328.4741	9518.24
23.88	6081.167	334.0027	9469.158
22.42	5926.432	326.3088	9249.914
23.42	5968.116	327.4114	9308.514
22.79	6072.392	337.6713	9521.617
24.54	6169.594	339.4425	9616.027
24.21	6156.483	339.4903	9607.216
19.83	5773.923	321.4508	9054.356
24.71	6153.745	337.5007	9575.713
27.42	6035.358	331.0227	9531.108
32.67	6651.212	357.337	10280.6
34.71	6859.135	367.2099	10570.28
36.58	6697.639	358.6253	10439.28
27.92	6468.712	353.1934	10039.18
28.22	6717.167	368.3818	10414.37
32.96	7149.036	387.3901	11000.11
35	7048.688	378.3375	10839.63
30.67	6528.025	352.3157	10103.33

34.54	6521.262	351.7461	10224.16
43.62	6769.708	367.1303	10911.8
37.83	6873.153	365.1241	10616.35
32.08	6607.642	355.4282	10218.6
35.39	6430.618	350.564	10242.76
39.79	6517.402	357.1253	10465.9
36.3	6251.196	347.0522	10165.42
27.83	6391.024	347.6065	9905.093
24.92	6125.478	335.2199	9531.586
26.75	6193.526	336.9174	9630.146
30.12	6486.847	350.5108	10044.89
28.75	6527.797	355.4756	10117.36
25.36	6261.266	344.4005	9756.628
32.83	7051.102	382.4754	10874.75
27.71	6431.202	350.925	9979.618
33.7	6955.15	374.5421	10712.15
49.29	7943.865	414.5756	12109.3
44.91	7826.696	411.8682	11919.95
37.43	7081.267	377.1434	10882.91
34.88	6944.062	371.8867	10683.16
24.92	6300.287	349.2286	9856.369
30.79	6549.326	353.4368	10132.61
37.33	6600.206	356.99	10445.09
35.52	7092.026	380.2396	10899.73
36.79	7047.75	375.8652	10833.82
40.29	7299.777	386.7278	11191.85
51.71	8011.281	416.5098	12223.95
47.33	8154.1	427.7769	12368.22
26.85	6480.042	357.114	10099.48
28.79	6342.092	343.4226	9842.139
39.48	6784.107	364.1072	10669.38
46.75	6983.471	375.5164	11202.84
54.21	7715.366	403.6001	12041.89
42.88	6644.918	362.973	10804.4
37.08	7007.94	373.3507	10784.47
23	6085.02	337.9134	9533.689
29.71	6642.458	361.4402	10286.16
41.92	7733.004	409.9149	11788.7
44.42	7928.005	418.1632	12056.4
23.96	5990.339	328.0206	9340.213
29.46	6309.429	340.6837	9801.533
32.5	6744.173	362.923	10402.96
49.04	7176.962	382.8817	11437.75
47.54	8093.802	424.2076	12288.81
38.17	7294.427	388.8138	11179.35
36.96	7014.423	373.8274	10791.86
34	6980.398	375.6502	10747.08
40.75	7507.345	398.1592	11475.27
41.21	7281.876	384.9656	11178.07
42.46	6653.358	362.9448	10784.83
35.8	6495.768	352.643	10298.17
26.83	6395.379	350.5974	9945.847

33.12	6949.34	375.2176	10711.35
32.57	6776.739	364.8507	10449.98
35.75	7226.561	388.3118	11097.97
29.96	6699.17	364.8611	10374.21
38.38	7479.407	399.7152	11444.66
41.42	7297.385	385.645	11200.14
51.58	8047.683	418.5146	12267.85
43.75	8031.055	424.8442	12196.85
43.17	6998.844	373.5826	11005.92
45.5	6972.328	374.4631	11127.49
46.09	7561.734	396.4242	11588.95
35.54	7175.24	385.4403	11023.74
32.96	6992.298	378.3436	10780.72
37.38	6904.947	367.2935	10653.25
50	7270.3	386.42	11348.22
43.08	7550.124	398.1026	11540.68
40.79	7778.379	414.0687	11855.45
43.38	7860.642	415.5157	11963.75
34.88	7085.999	380.9045	10897.07
31	6778.336	368.0242	10479.4
25.54	6417.349	355.0415	10016.62
31.29	6790.849	368.2626	10493.52
41.92	6653.606	362.5755	10753.73
48.88	7536.991	394.7102	11641.91
44.61	7171.373	379.9286	11184.31
42.87	6699.91	364.5792	10764.88
41.08	7430.421	393.2395	11367.41
44.48	7014.03	375.056	11091.74
45.21	7439.502	390.4733	11423.6
43.96	7542.087	396.961	11539.8
54.67	8324.899	431.0741	12653.62
60.96	8574.027	440.2972	13048.38
57.21	8282.778	427.3469	12635.47
63.46	9225.119	472.3371	13885.88
60.54	8599.32	441.8319	13073.63
54.83	7516.746	396.4851	11856.13
62.79	8588.922	440.0839	13093.16
62.04	8876.689	455.2595	13436.77
51.25	8548.667	445.7062	12907.35
55	8398.969	434.735	12750.11
49.25	7745.15	404.043	11858.94
38.08	7130.928	379.3217	10953.13
34.71	7196.471	388.2317	11065.96
38.79	7459.367	397.9078	11413.41
46.45	8280.322	435.7793	12534.62
56.96	8743.714	451.5085	13205.79
61.42	8998.032	461.8525	13577.73
62.67	9124.048	467.5955	13750.15
61.67	8792.812	451.1578	13328.22
45.54	7502.392	393.6264	11507.27
43.12	7657.939	404.1525	11685.28
49.27	8210.468	429.0208	12452.5

51.71	8529.866	444.2669	12885.79
45.88	7881.205	413.9531	11997.06
50.38	8216.804	428.3778	12468.2
60	8642.25	444.35	13119.07
63	8833.495	452.5114	13397.19
63.91	8899.768	455.4132	13491.75
64.52	9062.366	463.3978	13700.3
64.79	8934.174	456.7032	13546.75
55.25	8194.661	423.9138	12499.25
49.42	7735.352	403.4098	11848.77
54.04	7987.44	413.8059	12224.89
58.67	8279.154	426.3366	12651.47
60.38	8724.976	448.3982	13226.51
63.42	8980.01	459.7881	13583.41
64.54	8945.648	457.4222	13557.22
51.33	8234.482	428.5405	12498.63
49.17	8202.216	428.6585	12441.03
50.52	7812.652	406.7899	11959.85
53	7743.99	404.1544	11997.33
54.26	7792.916	406.4421	12095.18
61.33	8016.246	416.0942	12585.88
64.96	8190.108	422.7078	12867.17
63.29	8113.071	419.8315	12740.8
65.5	8328.733	428.5769	12742.21
68.83	8787.392	448.1754	13500.71
58.27	8699.836	448.3473	13166.67
58.71	8680.525	447.0819	13148.69
63.12	8698.092	445.5071	13232.31
62.67	8079.96	418.56	12543.54
63	8747.194	448.0876	13290.99
62.08	8215.582	424.2468	12766.58
61.42	8466.787	434.5316	12922.74
58.21	8510.976	438.6005	12932.01
52.52	8234.173	427.713	12512.93
61.45	8135.539	420.9691	12679.24
66.22	9189.645	468.9766	13880.95
59.71	8864.764	456.003	13390.01
60.04	8563.417	440.2607	13022.26
67.46	8693.882	444.2513	13368.55
69.96	8642.579	441.1296	13423.18
68.67	8665.481	442.6654	13393.69
67.1	8854.333	451.458	13483.05
63.33	8973.271	459.4927	13573.85
63.42	9095.937	465.7254	13725.99
67.91	9065.974	461.8144	13754.33
71.78	9406.411	477.1525	14228.51
72.79	9310.097	471.8177	14126.61
74.04	9253.91	468.5229	14101.91
73.83	8786.678	445.8181	13622.51
73.08	8855.628	449.6333	13716.01
67.88	9470.227	482.3631	14248.63
66.65	9252.47	471.9469	13964.18

67.33	9148.835	466.3189	13847.15
69.48	9241.259	469.925	13992.19
70.87	9341.068	474.2929	14135.01
72.38	9248.145	468.8846	14044.79
67.96	8617.009	440.681	13326.13
65.54	8777.959	448.3427	13366.05
66.62	9035.896	460.9377	13698.33
66.91	9179.776	468.1102	13878.89
65.58	8931.133	456.1351	13554.57
74.17	9543.553	482.9291	14432.13
74.58	9607.466	485.9512	14516.2
75.04	9710.329	490.9046	14648.37
74.38	9696.843	490.5386	14621.85
59.38	8865.964	456.2647	13387.06
62.33	8585.726	440.1615	13082.52
73.17	9194.541	465.9706	14016.85
70.87	9472.215	480.9216	14295.05
61.91	9177.932	470.8748	13807.87
62.96	9031.81	462.6996	13640.66
70.29	8998.01	457.5214	13735.26
71.54	9455.436	479.7438	14284.65
70.59	9647.401	489.9199	14504.69
70.88	9735.29	494.2133	14616.22
62.75	9168.843	469.8665	13806.91
63.12	9101.691	466.1905	13728.88
61.96	9219.852	473.0197	13860.76
63.75	9208.769	471.315	13869.35
66.95	9543.689	486.6263	14325.64
68.88	9785.285	497.839	14648.47
72.17	9015.363	457.7423	13822.91
70.25	8810.336	448.8019	13575.26
63.75	8829.815	451.919	13403.45
62.25	8835.644	453.0342	13389.17
66.04	9024.569	460.6602	13675.92
73	9256.89	469.04	14065.05
75.21	9296.786	470.1202	14182.93
74	9634.59	487.5882	14540.29
73.46	9066.44	459.6426	13914.74
66.33	8923.668	455.3708	13556.49
62.25	8665.338	444.291	13179.41
65.04	8214.063	423.7225	12787.71
67.42	8654.149	442.4817	13334.71
66.46	8871.735	452.6605	13494.76
64.25	8983.34	459.5046	13599.35
63.96	9049.697	463.057	13676.76
67.7	9175.781	467.4988	13885.6
71.04	9156.033	464.8603	13911.82
73.5	9393.395	475.6846	14239.03
74.29	9552.108	483.3034	14444.39
74	9703.361	491.0478	14623.98
76.29	9801.363	494.8906	14778.26
75.75	9867.874	498.4798	14850.75

77.12	9645.935	486.7242	14602.49
67.5	8363.59	429.4543	13102.24
73.46	8918.549	452.4637	13784.29
73.88	8947.226	453.6182	13823.89
73.04	9037.77	458.4492	13874.41
69.96	9081.793	461.6169	13804.65
70.83	9034.859	459.1057	13788.05
73.39	9385.722	475.3491	14227.98
72	9114.7	462.5381	13902.45
73.29	8869.968	450.2057	13735.72
72.08	9427.952	478.0952	14259.33
67.29	9176.88	467.7655	13880.91
67.67	9111.291	464.2372	13806.22
70.09	9220.283	468.5636	13975.76
69.25	9064.946	461.1042	13773.25
68.08	8952.56	455.9709	13618.09
66.42	8960.507	457.2013	13602.98
71.33	9142.946	464.0634	13900.31
72.29	9097.511	461.6213	13898.7
72.5	9111.843	462.2325	13919.14
74	9103.3	461.1768	13966.6
72.78	9241.879	468.3844	14043.35
70.96	8932.775	454.2764	13706.19
65.08	8746.338	446.9613	13320.4
66.21	8756.599	447.1788	13365.79
69.68	9030.366	459.1464	13737.55
65.89	9134.695	466.352	13808.79
62.75	8729.37	447.3078	13265.45
63.83	8777.177	449.1827	13339.9
66.83	8958.805	456.9072	13606.98
70	8904.24	453.2413	13644.69
72.88	9137.776	463.3385	13956.13
63.83	9156.662	468.6028	13806.41
61.91	8838.746	453.3835	13388.2
63.29	8738.954	447.5108	13285.05
57.5	8125.22	419.999	12484.72
51.54	8021.815	417.1765	12234.97
53.29	8197.771	425.2961	12477.27
56	8474.86	438.063	12857.54
60.67	8663.809	445.0815	13155.06
61.75	8714.333	447.0798	13232.62
64.38	8335.585	429.0905	12956.79
68.83	8454.429	432.987	13225.33
67.29	8793.29	448.7202	13441.93
66.92	8872.821	452.4871	13502.98
69.38	8565.98	437.8485	13337.91
58.74	8337.113	429.2967	12724.18
49.75	7802.541	406.7582	11937.36
53.29	8221.579	426.5455	12506.98
49.67	7906.633	412.3354	12067.13
51.71	7896.277	410.4465	12080.03
50.12	7828.92	407.9123	11975.16

50.12	8050.808	419.6701	12253.68
57.17	8460.494	436.5994	12855.31
61.7	8738.82	448.366	13262.09
60.79	8783.102	451.1575	13303.94
61.75	8798.719	451.4166	13336.62
58.17	8022.744	416.2006	12446.41
44.21	7599.272	399.8646	11615.29
40.45	7312.001	387.264	11209.13
42.71	7337.436	386.8068	11265.17
53.08	7921.449	410.9229	12129.63
57.92	8280.327	426.8151	12642.33
60.04	8372.629	430.4192	12786.61
61.62	8536.557	438.0128	13011.65
65.04	8454.676	434.1197	13077.2
54.75	8257.228	427.487	12570.43
53.33	8176.917	424.1762	12451.76
44	7798.77	411.2586	11879.71
41.08	7412.849	392.2735	11344.85
46.75	7588.658	397.4006	11630.88
54.96	8223.307	425.5854	12531
58.04	8125.02	420.1452	12511.62
62.04	8678.751	445.0932	13192.92
62.67	8515.047	436.7115	13018.13
65.46	8862.531	452.6975	13468.63
58.5	9182.489	473.5183	13776.61
42	8111.29	430.3195	12285.38
37.88	7379.812	394.4169	11304.31
37.29	7168.59	382.3625	11000.85
38.17	7105.634	377.8262	10921.15
44.04	7624.451	401.3643	11645.5
44.04	7624.451	401.3643	11645.5
54.29	7794.964	406.528	12098.07
61.96	8429.57	433.0835	12920.8
60.5	8218.828	424.3155	12697.13
47.58	8018.725	419.9897	12189.1
41.5	7738.634	410.7797	11797.35
38.62	7425.682	396.1203	11366.02
44.12	7948.649	419.6858	12084.25
48.83	7952.25	415.3471	12114.34
43.83	7899.983	417.242	12017.7
42.5	7739.728	409.5926	11797.49
43.96	7934.53	419.0663	12064.93
36.25	6945.798	370.627	10696.27
37.75	6978.749	371.1054	10752.64
44.04	7300.033	383.7739	11232.58
43.79	7548.228	397.4281	11545.78
48.54	7951.475	415.5144	12109.94
50.38	7869.778	409.9051	12029.73
44.75	7218.044	381.4634	11217.99
50.88	7770.219	404.3158	11911.32
44.91	7730.865	406.43	11790.1
32.82	6824.733	367.5777	10521.76

36.09	7038.98	376.054	10816.69
41	7354.022	389.1072	11268.54
56.17	7663.869	402.1498	12103.84
59.38	7994.21	415.2315	12483.16
50.58	7690.086	400.963	11830.78
57.96	7749.058	405.551	12245.19
62.04	8175.821	422.6045	12735.13
60.79	7979.369	414.6349	12535.43
63.96	8529.03	437.376	13087.87
58.12	8294.177	427.4204	12662.29
45.29	7701.508	404.5476	11756.97
41.33	7131.444	376.6071	10986.36
42.75	7469.301	393.967	11434.04
48.42	8140.321	425.9418	12355
54.17	8287.464	429.4333	12600.49
56.21	7926.014	412.0275	12283.29
50.67	7362.448	389.8216	11635.41
43.21	7336.275	386.3586	11269.23
39.71	6911.23	367.8079	10745.32
46.96	7034.889	377.2646	11095.9
47.04	6956.888	374.8149	11166.47
53.25	7381.039	391.2737	11735.79
61.65	8112.162	420.002	12670.72
46.17	7789.363	408.6012	11878.08
37.21	6939.698	369.396	10696.84
46.75	7280.321	384.9309	11370.7
48.83	7866.13	410.7637	12005.95
39	7003.107	371.3912	10796.46
36.88	7327.195	392.7273	11235.41
30.08	6824.734	372.9265	10569.84
29.3	6539.987	355.0783	10124.12
38.54	7166.073	380.8632	11002.82
42.83	7327.649	386.18	11253.99
28.83	6491.134	352.6231	10052.51
29.42	6469.287	350.3003	10017.68
26.58	6373.931	349.6562	9916.306
32.04	6748.183	363.9072	10412.34
35.48	6932.283	370.6086	10672.28
23.26	6101.676	338.3323	9551.391
24.05	6177.672	341.9788	9660.492
23	6059.935	335.5244	9478.054
23.8	6084.443	334.5891	9480.442
26.8	5795.854	325.427	9405.597
25.5	6199.403	339.0258	9635.594
28.3	6471.261	352.4252	10032.3
30.5	5861.406	331.714	9687.264
35.4	6158.519	343.8824	10101.28
28.1	6339.768	344.1346	9835.919
36	7000.768	373.9797	10766.04
48.9	7879.746	411.4393	12023.93
45.3	7523.157	394.9206	11530.8
36.4	6944.428	370.4075	10695.77

38	7215.554	384.2573	11066.14
38.2	7150.079	380.2814	10979.03
42.1	7404.955	390.9823	11345
33.9	6829.505	366.345	10525.27
40	7324.425	388.3438	11220.81
37.1	7029.483	374.5435	10812.68
32.4	6344.36	344.8162	10003.63
33.8	6436.564	348.7852	10138.01
38.8	6458.983	354.7131	10370.22
38.3	7095.89	377.165	10909.72
44.2	6838.643	369.5673	10981.43
57	7833.197	408.6912	12258.73
42	7325.964	386.7414	11242.85
37.7	7090.011	377.3825	10896.65
43	7501.446	395.5165	11477.72
51	8060.541	419.5809	12276.69
52.4	8212.394	426.6474	12484.21
59.6	8672.653	446.1497	13151.1
51.7	7270.359	386.9967	11631.18
58.5	8568.771	441.4229	13007.53
32.3	6983.132	379.0808	10778.89
32.4	6715.096	361.3421	10363.68
30.4	6696.566	363.6842	10359.34
21.9	6074.578	339.8426	9552.607
29.2	6756.002	369.9513	10475
36.9	6351.237	350.1635	10184.77
37.4	6978.232	371.3889	10748.71
38.3	7065.686	375.479	10870.58
44.8	6821.148	369.405	10948.63
36.9	7350.053	394.1049	11268.72
33	6972.83	376.9867	10749.75
35.1	7146.663	384.3785	10985.84
28.9	6638.305	363.1234	10301.96
35.7	6934.861	370.5382	10677.41
43.1	7877.303	416.8114	11986.71
34.6	7214.136	389.5619	11094.31
29.2	6669.743	364.6208	10346.13
34.5	7121.734	383.8427	10955.77
50.7	8148.636	424.4442	12383.43
50.4	8034.013	418.5868	12236.02
41	7565.148	401.2488	11555.99
35.6	6960.508	372.0929	10710.19
33	6864.207	369.853	10580.83
37.4	7142.456	380.6093	10962.31
48.2	8108.844	424.4065	12312.11
31.8	6957.776	378.4624	10749.6
24.4	6282.391	349.0736	9839.101
29.4	6694.947	365.9194	10382.66
41	6890.826	368.5445	10817.49
55.1	7657.144	401.7105	12047.94
27.7	6559.605	360.6167	10207.26
24.6	6252.55	346.377	9779.955

37.3	7366.728	394.499	11289.6
42.6	7675.69	405.7672	11709.09
48.8	7956.412	415.5901	12119.22
60.2	8217.611	424.2299	12682.15
41.7	8080.939	428.9711	12244.64
31.2	6892.978	375.418	10659.99
43.9	7287.177	383.1781	11214.57
49.8	7256.643	385.876	11330.23
51.6	7850.229	408.0876	12020.96
57.7	8390.963	432.6777	12776.34
60.1	8643.854	444.3757	13122.45
43.4	7000.437	373.8183	11020.59
44.8	6879.312	371.1809	10906.54
44.5	6881.401	371.0515	11021.43
46.3	7001.504	375.8488	11027.52
45.6	7601.895	398.9432	11634.12
27.1	6573.142	361.9328	10225.72
30.8	6817.829	371.1798	10548.09
40.2	7740.926	412.6949	11805.82
48.3	7899.426	412.9135	12041.55
53.2	7470.317	394.4552	11832.33
45.7	7541.304	395.6065	11558.47
37.4	7154.401	381.3408	10979.7
50.7	7911.419	411.8977	12086.01
61.4	8694.892	446.2737	13203.69
50.3	7202.924	384.2472	11518.97
50.3	8055.871	419.8132	12262.22
50.9	8237.963	429.0889	12499.75
57.2	8465.806	436.8572	12862.3
37.4	7403.989	396.6261	11343.04
37.3	7411.093	397.2196	11354.27
34.5	7081.073	381.2431	10894.13
35.4	7167.697	385.1992	11013.98
48.7	7953.478	415.5057	12114.35
60.7	8615.775	442.5905	13096.2
53.9	8254.225	427.865	12555.56
50.8	8126.425	423.2001	12356.8
56.8	8003.34	415.1268	12365.56
63.3	8619.063	441.3637	13137.72
63.9	8815.158	451.0893	13387.61
66.8	8972.665	457.6277	13623.52
68.1	9396.909	478.523	14162.1
68.2	9529.254	485.1891	14325.48
67.8	9213.034	469.3402	13932.68
67.7	8677.702	443.4766	13365.21
67.7	8896.518	453.3093	13543.76
57.8	7731.832	404.8788	12225.93
55.2	7875.608	409.8207	12198.19
43.3	7648.95	403.4374	11673.31
44.6	7727.407	406.5491	11784.22
54.8	8071.39	417.7452	12339.77
45.4	7981.459	420.1114	12130.63

52.7	8025.554	416.6271	12254.59
65.4	8425.212	432.7862	13069.13
54.3	8587.312	445.1906	12980.29
48.4	8089.615	423.1538	12287.77
55.3	8513.872	440.5414	12896.93
66.1	8571.818	439.0725	13214.12
55.2	8475.114	438.583	12847.43
45.8	7760.716	407.3441	11837.68
52.1	7646.969	400.3071	11887.74
55.8	8221.328	424.9756	12539.84
64.7	8855.651	452.7392	13449.02
66.5	8817.673	449.8878	13429.1
65.9	8228.954	424.0954	12912.52
66	9088.638	463.9463	13753.9
54.1	8846.272	459.2374	13311.32
64.3	8950.243	457.7854	13559.4
69.5	9197.452	467.696	13938.96
49.8	8397.307	438.794	12701.2
51.5	8444.668	439.8249	12773.55
58	8812.445	454.3974	13303.98
64.9	9216.012	471.0385	13894.4
57.4	8287.581	427.487	12644.06
44.9	7657.651	402.4827	11697.01
44.8	7850.646	413.3444	11952.1
45	7798.003	410.1469	11881.38
45.4	7830.197	411.5601	11926.4
50.4	8203.049	427.6083	12450.34
57.7	8823.954	455.2173	13315.31
64.4	8898.6	455.0919	13497.4
66.4	8927.367	455.5238	13562.06
67	9037.609	460.8309	13706.05
66.5	8894.977	453.824	13523.85
66.1	8816.454	450.0245	13421.62
67.1	8849.522	451.2438	13479.17
69.8	9340.968	474.8155	14118.8
71.2	9937.156	504.2536	14866.7
68.6	9688.805	493.0878	14526.5
58.4	9349.991	482.4106	13987.17
68	9225.191	469.8551	13950.51
73.8	9808.583	496.4388	14749
72.4	9235.086	468.2168	14029.18
61.4	8449.868	433.8354	12909.28
57.5	8383.109	432.3868	12763.86
59.7	8711.785	448.1118	13200.83
66.2	9414.6	480.4519	14156.54
66.9	9712.342	495.2817	14532.32
70.9	10038.42	509.5418	14985.64
72.2	9608.92	487.1657	14481.72
70.9	8919.063	453.6533	13692.21
64.6	8898.837	454.9982	13500.6
62.3	9093.887	466.2629	13707.92
63.5	9218.506	471.9707	13878.19

63.5	9218.506	471.9707	13878.19
63.5	9218.506	471.9707	13878.19
65.1	9165.47	468.3478	13835.19
65.1	9165.47	468.3478	13835.19
65.9	8967.862	457.8425	13604.32
70.4	9254.594	470.149	14022.35
73.1	9881.502	500.4574	14827.29
74.2	9821.593	496.8982	14770.88
74.5	9704.258	490.8543	14632.7
73.8	9345.757	473.1492	14185.69
71.6	9188.891	466.2575	13960.51
69	9362.131	476.2919	14132.77
66.7	9391.13	478.9781	14134.81
66.7	9391.13	478.9781	14134.81
72.8	9793.4	496.1689	14715.5
76	9598.959	484.8717	14527.89
75.5	9829.248	496.6594	14799.98
72.5	10072.71	510.4007	15050.39
64.3	9528.816	487.4827	14272.97
65.2	9504.041	485.6401	14253.6
66.7	9621.767	490.7679	14418.29
71.7	9678.973	490.9496	14559.64
73.7	9628.488	487.4241	14528.28
60.1	9381.265	482.7358	14042.37
58.6	9009.598	464.3498	13559.42
64.9	9329.186	476.8297	14033.61
70.5	8555.544	436.8186	13368.92
71.2	9508.12	482.5719	14343.8
72	9815.57	497.6911	14730.63
70.1	9937.058	504.856	14850.87
73.6	9893.265	500.7995	14849.07
74.9	9634.625	487.1668	14554.16
73.4	9492.064	480.6989	14357.61
71.7	9365.795	475.1408	14177.77
73.9	9587.136	485.2482	14481.01
74.9	9695.604	490.2305	14628.31
73.5	9123.15	462.3778	13966.23
71.1	8760.367	446.1161	13564.29
69.5	8521.646	435.7544	13305.25
73	8740.719	444.1344	13612.55
76	9678.625	488.8681	14624.67
77.4	10171.18	512.8996	15244.3
75.1	10265.33	518.7349	15322.49
73.5	9849.033	498.6226	14793.73
73.2	9850.861	498.864	14791.47
74.6	9384.098	474.7147	14244.83
72.8	9604.611	486.655	14485.53
73.4	9707.444	491.5432	14619.84
73.8	9751.329	493.5578	14679.32
67.9	9738.533	496.0239	14577.78
59	9198.898	474.0027	13802.16
59.8	9234.389	475.2727	13854.9

61.2	9300.437	477.7252	13952.67
63.8	9444.226	483.4411	14162.03
67.6	9620.377	490.169	14428.74
70.7	9730.744	494.077	14608.04
72.8	10154.18	514.3465	15153.59
71.7	10096.82	512.0501	15068.04
74.8	9624.654	486.7125	14540.49
75.5	9304.38	470.3565	14200.1
75	9746.5	492.7404	14691.73
74.4	9773.37	494.3766	14715.25
74.5	9854.253	498.3946	14815.15
72.4	10018.16	507.7032	14982.73
72.7	9519.007	482.389	14379.73
72.8	9720.451	492.4927	14626.64
75.9	10254.47	517.7925	15321.79
75.8	9611.042	485.5686	14539.45
70.8	9632.112	489.0392	14489.13
70.7	9129.718	463.6904	13874.49
67.2	8974.605	457.5254	13631.85
67.1	8393.044	430.9249	12934.47
63.9	8141.773	420.9151	12787.56
65.1	8314.045	428.0277	12969.65
65.3	8177.427	422.0531	12868.41
65.6	8196.808	422.7948	12897.21
65.4	8450.011	433.8637	13088.63
69.5	8890.091	452.7173	13612.92
73.6	9390.117	475.4734	14236.58
65.1	9195.31	469.8711	13871.82
64.4	8958.154	458.1362	13570.56
63.9	8828.31	451.7623	13403.77
66.6	8702.906	444.7818	13339.81
64.6	9122.495	466.4268	13775.3
72	9147.242	464.0878	13930.59
64.8	9529.079	487.1774	14279.47
56.9	8842.843	456.8015	13331.07
60.4	8680.64	446.1015	13172.05
69.2	8629.526	440.8392	13384.15
72.9	8743.95	444.3564	13512.97
72.4	8672.095	441.2175	13511.03
66.6	8960.087	457.0886	13605.13
66.3	8855.477	451.9126	13472.45
65.8	8813.044	450.0011	13412.96
70.3	8872.561	451.6801	13629.71
69.7	8912.618	453.7071	13639.78
69	8894.072	453.0096	13595.94
64.8	8805.463	450.1236	13388.85
58.8	8683.895	447.2024	13154.08
62.3	8625.127	442.1999	13130.61
66.4	8343.019	428.9427	12873.39
73.4	8937.006	453.3927	13798.51
66.2	9063.805	462.5762	13726.37
61.4	8425.056	432.8199	12890.94

62.5	8477.158	435.1146	12981.67
65.9	8613.682	440.933	13238.88
69	8996.066	457.7332	13685.26
71.5	9279.365	470.8727	14069.31
71.2	9041.616	459.3199	13808.42
70.3	9470.742	481.1325	14284.74
60	8598.129	442.0739	13064.58
63.7	8847.486	452.8502	13424.45
51.5	8315.292	432.7933	12605.2
56	8210.344	424.2849	12528.92
63.3	8150.777	421.4179	12769.92
67.1	8376.119	430.1704	12952.68
66	8313.694	427.7736	13005.12
63.9	8346.126	429.6011	12944.61
49	7961.563	415.7213	12128.08
51.4	7447.892	393.0611	11726.33
56.8	7674.353	402.6187	12014.82
52.2	7851.192	407.7659	12030.09
45.6	7514.224	394.2205	11522.97
51.7	7985.718	415.1685	12191.83
56.4	8153.986	421.1181	12464.43
51.5	7417.637	392.0515	11712.75
50.2	7597.026	397.5649	11752.76
51.2	7743.517	403.1802	11898.54
50.7	7696.791	401.2671	11841.65
50.1	7149.204	382.36	11460.48
50.1	7149.204	382.36	11460.48
54.3	8074.149	418.1887	12336.44
49.8	7244.44	385.4594	11518.12
45.8	6867.465	371.3811	11056.29
42.5	6732.822	365.2846	10691.13
40.7	6838.041	366.7826	10772.58
41.6	7214	380.9259	11095.15
36.1	6940.279	370.458	10687.8
38.1	7112.234	378.2586	10929.07
45.9	7098.727	378.6429	11220.07
45	7057.695	376.7593	11145.67
46.9	7009.671	376.4258	11225.84
40.7	7210.849	381.4777	11081.59
44	7296.52	383.6124	11227.64
52.1	7790.466	405.3404	11977.96
62.5	8389.403	431.462	12915.68
65.8	8302.997	427.3652	12988.83
56.8	7702.137	403.6767	11989.46
44.9	7160.359	379.8247	11195.67
42.7	7241.59	381.5863	11142.62
46	7482.766	392.2419	11487.87
52.4	7336.883	389.5117	11646.14
46.2	7010.813	376.0848	11006.47
39.2	7148.558	379.3023	10986.36
39.8	7067.784	374.3176	10888.16
42.7	7019.482	373.7853	10988.08

48.3	7016.615	377.2924	11304.52
46	7459.87	391.0105	11458.87
35	7096.294	381.3563	10911.25
41.3	7449.57	394.108	11394.33
46.7	7493.104	392.3107	11509.45
43.3	7236.632	380.8698	11143.16
36.3	6970.422	371.9712	10728.85
27.9	6396.516	347.8476	9912.819
32.3	6804.259	367.169	10497.04
41.4	7632.28	404.686	11649.27
28.3	6601.259	362.0177	10258.11
31.9	6865.287	372.032	10600.45
26.4	6403.442	352.5328	9978.44
21.2	5895.292	327.4933	9236.391
28.8	5719.442	326.644	9490.33
28.4	6054.997	332.9196	9610.001
27.8	6019.626	331.3016	9553.839
34.8	6796.731	363.5553	10488.96
27.4	6398.177	349.236	9930.752
29.1	6372.113	344.8584	9884.452
34	6062.896	340.1748	9972.855
38.5	6467.958	354.6843	10458.16
36.6	6338.272	349.5432	10153.2
41.3	7133.434	376.7397	10988.58
37.6	7150.167	380.8472	10973.91
37.9	7296.763	389.3338	11184.01
30.1	6498.39	351.2205	10060.34
32.6	6693.444	359.8647	10336.2
45.4	6899.067	372.1399	11081.6
54.8	7986.193	413.7408	12250.61
38.4	7507.865	401.4063	11485.46
41	7494.958	397.1247	11457.72
37.9	7361.683	393.2841	11277.94
37.5	6888.566	366.2699	10633.11
35.2	6605.326	354.6222	10305.15
32.1	6760.414	364.6147	10430.81
28.1	6353.008	344.9392	9854.009
31.4	6621.068	356.9653	10232.23
35.9	6945.117	370.9249	10692.46
39.6	6641.873	360.3547	10608.59
47.2	7511.872	392.9759	11539.35
58.3	7791.517	407.2164	12137.35
43.4	6938.813	371.9935	10988.18
41.6	6659.668	362.5174	10617.7
34	6672.396	357.2139	10318.76
31.2	6180.285	339.5408	9855.848
34.8	6182.584	343.8683	10098.15
27.7	6477.45	354.4323	10061.81
39.8	7472.476	397.3083	11427.98
47.4	8243.534	432.6895	12487.63
38.6	7451.22	397.6895	11402.78
27.5	6482.88	355.3956	10078.52

23.4	6139.517	341.2403	9623.448
23.4	6139.517	341.2403	9623.448
29.3	6371.145	344.5639	9884.18
26	6210.065	338.9686	9651.129
21.4	5886.861	325.4877	9196.061
23.5	5929.514	324.7787	9253.439
15.6	5416.191	304.2154	8529.495
21.9	5927.502	327.3562	9254.644
34.5	6909.279	370.2933	10634.67
25.3	6075.942	331.5377	9462.693
21.3	5897.336	327.1679	9231.93
15.3	5406.494	306.7753	8574.165
19.7	5795.518	325.3669	9140.469
23.1	6013.688	330.9047	9374.059
29.9	6572.369	356.0712	10165.06
18.1	5649.782	318.3844	8929.211
23.6	6095.433	336.3495	9515.486
37.3	6821.079	362.654	10543.42
32.1	5952.462	335.578	9828.653
32.1	5952.462	335.578	9828.653
36.8	6458.505	352.7957	10346.91
34.3	6618.223	353.8191	10249.9
38	6991.548	371.6016	10771.63
46.4	7801.287	409.0667	11895.75
30.3	6702.941	364.3492	10372.11
29	6340.283	343.0635	9840.745
33	6036.407	338.4938	9858.627
26.9	6372.502	348.6224	9901.542
28.5	6570.763	359.2393	10198.63
34.4	6373.071	348.0148	10152.33
33.6	6819.587	366.0915	10510.09
32.6	7054.623	382.9878	10880.98
28.3	6781.922	371.3841	10493.04
35.5	6740.369	359.6827	10421.01
36.2	6190.87	345.4406	10187.77
36.2	6376.666	350.1044	10272.01
23.8	5493.521	315.3707	9091.716
28.9	5858.882	329.6317	9576.63
35.8	6461.951	351.8026	10283.41
39.9	7076.025	374.6918	10899.81
40.5	6777.967	364.9231	10730.53
43.8	6828.278	368.9996	10803.83
46.5	7685.144	402.7567	11749.95
37.4	7094.039	377.8883	10899.26
32.5	6785.572	365.5609	10464.77
27.1	6103.554	331.8391	9530.029
29.7	5805.174	329.5452	9560.923
33.2	6051.459	339.0611	9876.087
39.2	6404.328	353.5742	10470.56
45.2	7145.206	379.5898	11205.13
29.8	6646.692	361.5328	10290.99
34.1	6817.464	365.4452	10510.84

52.1	7774.522	404.7811	11967.93
50.1	7317.223	388.0416	11577.85
30.8	6448.8	347.4893	9997.78
38.7	7048.921	374.1947	10852.71
47.4	8134.115	426.5921	12341.87
31.4	6738.698	364.4931	10407.62
33.8	6613.583	354.0256	10239.49
46	7692.449	403.5192	11753.44
53.8	8190.446	424.5869	12474.75
36.6	7044.446	375.862	10827.94
37.2	6919.488	368.2693	10670.46
49.6	7256.005	385.7621	11514.52
56.3	7603.818	399.9013	12069.22
56.3	7603.818	399.9013	12069.22
43.9	7113.635	377.6007	11110.57
46.1	6977.551	374.9841	11017.15
46.1	6977.551	374.9841	11017.15
52.7	8049.765	417.8998	12284.84
49	7896.713	412.2719	12046.49
48.2	7980.89	417.3309	12143.04
50.4	8153.042	424.8883	12385.35
52.9	8220.946	426.7664	12501.21
46.5	7606.226	398.5205	11650.11
54.4	7969.278	412.9351	12218.09
64.4	8212.94	423.8358	12862.64
39.8	6497.679	356.5907	10551.22
33.1	6972.092	376.7464	10746.97
43.2	7700.735	406.5273	11744.2
56.7	9049.977	467.9303	13592.38
58.4	9216.409	475.38	13818.49
58.4	8570.084	441.5499	13007.79
56.4	8050.156	416.7719	12377.17
46.2	7751.312	406.5334	11830.25
41.3	6636.675	361.6374	10592.22
40.6	6619.501	360.6053	10508.69
40.6	6595.832	359.945	10524.26
42.7	6729.895	365.3369	10838.17