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Question 1

```
s1 = [1, -1, 1, -1, 1, -1, 1, -1]';
s2 = [1, 1, 1, 1, -1, -1, -1, -1]';
s3 = [1, 1, -1, -1, 1, 1, -1, -1]';

T1 = [0, 2, 2]';
T2 = [-2, 0, 2]';
T3 = [1, 1, 1]';
disp('Input Signals:');
disp(s1);
disp(s2);
disp(s3);
s1_normalized = s1 / norm(s1);
s2_normalized = s2 / norm(s2);
s3_normalized = s3 / norm(s3);
disp('Normalized Values:');
disp(s1_normalized);
disp(s2_normalized);
disp(s3_normalized);

dot1 = s1_normalized' * s2_normalized;
dot2 = s1_normalized' * s3_normalized;
dot3 = s2_normalized' * s3_normalized;
disp('Dot Products:');
disp(dot1);
disp(dot2);
disp(dot3);
disp('Since all the corresponding dot products are zeros, all the three
vectors S1,S2 and S3 are orthogonal');

w1 = T1 * s1_normalized';
w2 = T2 * s2_normalized';
w3 = T3 * s3_normalized';

w = w1 + w2 + w3;
disp('The weighted Associative Matrix:');
disp(w);

response_s1 = w * s1_normalized;
response_s2 = w * s2_normalized;
response_s3 = w * s3_normalized;

disp('Response Values:');
disp('Response Vector 1:');
disp(response_s1);
disp('Response Vector 2:');
disp(response_s2);
disp('Response Vector 3:');
```

```
disp(response_s3);

disp('Given Target Values:');
disp('Target Vector 1:');
disp(T1);
disp('Target Vector 2:');
disp(T2);
disp('Target Vector 3:');
disp(T3);

disp('Avg Vector:');
average_normalized = (s1_normalized + s2_normalized) / 2;
ans2=w*average_normalized;
disp(average_normalized);
disp('Response from avarage vector of S1,S2 and the weighted matrix:');
disp(ans2);
```

Output:

Input Signals:

1
-1
1
-1
1
-1
1
-1

1
1
1
1
-1
-1
-1
-1

1
1
-1
-1
1
1
-1
-1

Normalized Values:

0.3536
-0.3536
0.3536

-0.3536
 0.3536
 -0.3536
 0.3536
 -0.3536

0.3536
 0.3536
 0.3536
 0.3536
 -0.3536
 -0.3536
 -0.3536
 -0.3536

0.3536
 0.3536
 -0.3536
 -0.3536
 0.3536
 0.3536
 -0.3536
 -0.3536

Dot Products:

0

0

0

Since all the corresponding dot products are zeros, all the three vectors S1,S2 and S3 are orthogonal

The weighted Associative Matrix:

-0.3536	-0.3536	-1.0607	-1.0607	1.0607	1.0607	0.3536	0.3536
1.0607	-0.3536	0.3536	-1.0607	1.0607	-0.3536	0.3536	-1.0607
1.7678	0.3536	1.0607	-0.3536	0.3536	-1.0607	-0.3536	-1.7678

Response Values:

Response Vector 1:

0
 2.0000
 2.0000

Response Vector 2:

-2.0000
 0
 2.0000

Response Vector 3:

1.0000
1.0000
1.0000

Given Target Values:

Target Vector 1:

0
2
2

Target Vector 2:

-2
0
2

Target Vector 3:

1
1
1

Screenshots:

```
s1 = [1, -1, 1, -1, 1, -1, 1, -1]';
s2 = [1, 1, 1, 1, -1, -1, -1, -1]';
s3 = [1, 1, -1, -1, 1, 1, -1, -1]';

T1 = [0, 2, 2]';
T2 = [-2, 0, 2]';
T3 = [1, 1, 1]';
disp('Input Signals:');
disp(s1);
disp(s2);
disp(s3);
s1_normalized = s1 / norm(s1);
s2_normalized = s2 / norm(s2);
s3_normalized = s3 / norm(s3);
disp('Normalized Values:');
disp(s1_normalized);
disp(s2_normalized);
disp(s3_normalized);

dot1 = s1_normalized' * s2_normalized;
dot2 = s1_normalized' * s3_normalized;
dot3 = s2_normalized' * s3_normalized;
disp('Dot Products:');
disp(dot1);
disp(dot2);
disp(dot3);
disp('Since all the corresponding dot products are zeros, all the three vectors S1,S2 and S3 are orthogonal');

w1 = T1 * s1_normalized';
w2 = T2 * s2_normalized';
w3 = T3 * s3_normalized';
```

```
w = w1 + w2 + w3;
disp('The weighted Associative Matrix:');
disp(w);

response_s1 = w * s1_normalized;
response_s2 = w * s2_normalized;
response_s3 = w * s3_normalized;

disp('Response Values:');
disp('Response Vector 1:');
disp(response_s1);
disp('Response Vector 2:');
disp(response_s2);
disp('Response Vector 3:');
disp(response_s3);

disp('Given Target Values:');
disp('Target Vector 1:');
disp(T1);
disp('Target Vector 2:');
disp(T2);
disp('Target Vector 3:');
disp(T3);

disp('Avg Vector:');
average_normalized = (s1_normalized + s2_normalized) / 2;
ans2=w*average_normalized;
disp(average_normalized);
disp('Response from avarage vector of S1,S2 and the weighted matrix:');
disp(ans2);
```

Command Window	Command Window
>> Q1Q2	Normalized Values:
Input Signals:	0.3536
1	-0.3536
-1	0.3536
1	-0.3536
-1	0.3536
1	-0.3536
-1	0.3536
1	-0.3536
-1	0.3536
1	-0.3536
1	0.3536
1	0.3536
1	0.3536
-1	0.3536
-1	0.3536
-1	0.3536
-1	-0.3536
1	-0.3536
1	-0.3536
-1	-0.3536
-1	0.3536
1	0.3536
1	0.3536
-1	-0.3536
-1	-0.3536
Normalized Values:	0.3536
0.3536	0.3536
-0.3536	-0.3536
0.3536	-0.3536
-0.3536	-0.3536
0.3536	

Command Window
Dot Products:
0
0
0
Since all the corresponding dot products are zeros, all the three vectors S1,S2 and S3 are orthogonal
The weighted Associative Matrix:
-0.3536 -0.3536 -1.0607 -1.0607 1.0607 1.0607 0.3536 0.3536
1.0607 -0.3536 0.3536 -1.0607 1.0607 -0.3536 0.3536 -1.0607
1.7678 0.3536 1.0607 -0.3536 0.3536 -1.0607 -0.3536 -1.7678
Response Values:
Response Vector 1:
0
2.0000
2.0000
Response Vector 2:
-2.0000
0
2.0000
Response Vector 3:
1.0000
1.0000
1.0000


```
Command Window
1.0000
1.0000
1.0000

Given Target Values:
Target Vector 1:
    0
    2
    2

Target Vector 2:
   -2
    0
    2

Target Vector 3:
    1
    1
    1

Avg Vector:
    0.3536
    0
    0.3536
    0
    0
   -0.3536
    0
   -0.3536

Response from avarage vector of S1,S2 and the weighted matrix:
-1.0000
 1.0000
 2.0000
```

Question 2:

We get 'w' from the previous code,

Explanation: The response vector that we get from the average vector of s1 and s2, is the average of the target vector 1 and target vector 2, since we multiply the average vector to the weighted associative matrix.

```
disp('Avg Vector:');  
average_normalized = (s1_normalized + s2_normalized) / 2;  
ans2=w*average_normalized;  
disp(average_normalized);  
disp('Response from avarage vector of S1,S2 and the weighted matrix:');  
disp(ans2);
```

Output:

```
Avg Vector:  
    0.3536  
         0  
    0.3536  
         0  
         0  
   -0.3536  
         0  
   -0.3536
```

Response from avarage vector of S1,S2 and the weighted matrix:

```
-1.0000  
 1.0000  
 2.0000
```

Screenshots:

```
disp('Avg Vector:');  
average_normalized = (s1_normalized + s2_normalized) / 2;  
ans2=w*average_normalized;  
disp(average_normalized);  
disp('Response from avarage vector of S1,S2 and the weighted matrix:');  
disp(ans2);
```

```
Avg Vector:  
    0.3536  
         0  
    0.3536  
         0  
         0  
   -0.3536  
         0  
   -0.3536  
  
Response from avarage vector of S1,S2 and the weighted matrix:  
-1.0000  
 1.0000  
 2.0000
```

Question 3:

Part 1:

```
s1_new=randn(1,100)';
s2_new=randn(1,100)';
s3_new=randn(1,100)';
T1 = [0, 2, 2]';
T2 = [-2, 0, 2]';
T3 = [1, 1, 1]';
disp('The input signal vectors:');
disp(s1_new);
disp(s2_new);
disp(s3_new);
disp('Normalized input signal vectors:');
s1_new_norm=s1_new/norm(s1_new);
s2_new_norm=s2_new/norm(s2_new);
s3_new_norm=s3_new/norm(s3_new);
disp(s1_new_norm);
disp(s2_new_norm);
disp(s3_new_norm);
disp('The cosine matrix:');
cosine_matrix = [dot(s1_new_norm, s1_new_norm), dot(s1_new_norm,
s2_new_norm), dot(s1_new_norm, s3_new_norm);
                 dot(s2_new_norm, s1_new_norm), dot(s2_new_norm,
s2_new_norm), dot(s2_new_norm, s3_new_norm);
                 dot(s3_new_norm, s1_new_norm), dot(s3_new_norm,
s2_new_norm), dot(s3_new_norm, s3_new_norm)];
disp(cosine_matrix);
disp('The associative weight matrix:');
w1 = T1 * s1_new_norm';
w2 = T2 * s2_new_norm';
w3 = T3 * s3_new_norm';

w=w1+w2+w3;
disp(w)

response_s1 = w * s1_new_norm;
response_s2 = w * s2_new_norm;
response_s3 = w * s3_new_norm;
disp('The responses we get:')
disp(response_s1);
disp(response_s2);
disp(response_s3);
disp('Given Target Values:')
disp(T1);
disp(T2);
```

```
disp(T3);

cosine_sim1 = dot(T1, response_s1) / (norm(T1) * norm(response_s1));
cosine_sim2 = dot(T2, response_s2) / (norm(T2) * norm(response_s2));
cosine_sim3 = dot(T3, response_s3) / (norm(T3) * norm(response_s3));

disp('Similarity between responses and corresponding targets:')
disp(cosine_sim1);
disp(cosine_sim2);
disp(cosine_sim3);
```

Output:

The input signal vectors:

```
0.5377
1.8339
-2.2588
0.8622
0.3188
-1.3077
-0.4336
0.3426
3.5784
2.7694
-1.3499
3.0349
0.7254
-0.0631
0.7147
-0.2050
-0.1241
1.4897
1.4090
1.4172
0.6715
-1.2075
0.7172
1.6302
0.4889
1.0347
0.7269
-0.3034
0.2939
-0.7873
0.8884
-1.1471
-1.0689
-0.8095
-2.9443
1.4384
0.3252
-0.7549
1.3703
```

-1.7115
-0.1022
-0.2414
0.3192
0.3129
-0.8649
-0.0301
-0.1649
0.6277
1.0933
1.1093
-0.8637
0.0774
-1.2141
-1.1135
-0.0068
1.5326
-0.7697
0.3714
-0.2256
1.1174
-1.0891
0.0326
0.5525
1.1006
1.5442
0.0859
-1.4916
-0.7423
-1.0616
2.3505
-0.6156
0.7481
-0.1924
0.8886
-0.7648
-1.4023
-1.4224
0.4882
-0.1774
-0.1961
1.4193
0.2916
0.1978
1.5877
-0.8045
0.6966
0.8351
-0.2437
0.2157
-1.1658
-1.1480
0.1049
0.7223
2.5855
-0.6669
0.1873
-0.0825

-1.9330
-0.4390
-1.7947

0.8404
-0.8880
0.1001
-0.5445
0.3035
-0.6003
0.4900
0.7394
1.7119
-0.1941
-2.1384
-0.8396
1.3546
-1.0722
0.9610
0.1240
1.4367
-1.9609
-0.1977
-1.2078
2.9080
0.8252
1.3790
-1.0582
-0.4686
-0.2725
1.0984
-0.2779
0.7015
-2.0518
-0.3538
-0.8236
-1.5771
0.5080
0.2820
0.0335
-1.3337
1.1275
0.3502
-0.2991
0.0229
-0.2620
-1.7502
-0.2857
-0.8314
-0.9792
-1.1564
-0.5336
-2.0026
0.9642
0.5201
-0.0200
-0.0348

-0.7982
1.0187
-0.1332
-0.7145
1.3514
-0.2248
-0.5890
-0.2938
-0.8479
-1.1201
2.5260
1.6555
0.3075
-1.2571
-0.8655
-0.1765
0.7914
-1.3320
-2.3299
-1.4491
0.3335
0.3914
0.4517
-0.1303
0.1837
-0.4762
0.8620
-1.3617
0.4550
-0.8487
-0.3349
0.5528
1.0391
-1.1176
1.2607
0.6601
-0.0679
-0.1952
-0.2176
-0.3031
0.0230
0.0513
0.8261
1.5270
0.4669
-0.2097
0.6252

0.1832
-1.0298
0.9492
0.3071
0.1352
0.5152
0.2614
-0.9415
-0.1623

-0.1461
-0.5320
1.6821
-0.8757
-0.4838
-0.7120
-1.1742
-0.1922
-0.2741
1.5301
-0.2490
-1.0642
1.6035
1.2347
-0.2296
-1.5062
-0.4446
-0.1559
0.2761
-0.2612
0.4434
0.3919
-1.2507
-0.9480
-0.7411
-0.5078
-0.3206
0.0125
-3.0292
-0.4570
1.2424
-1.0667
0.9337
0.3503
-0.0290
0.1825
-1.5651
-0.0845
1.6039
0.0983
0.0414
-0.7342
-0.0308
0.2323
0.4264
-0.3728
-0.2365
2.0237
-2.2584
2.2294
0.3376
1.0001
-1.6642
-0.5900
-0.2781
0.4227
-1.6702
0.4716

-1.2128
0.0662
0.6524
0.3271
1.0826
1.0061
-0.6509
0.2571
-0.9444
-1.3218
0.9248
0.0000
-0.0549
0.9111
0.5946
0.3502
1.2503
0.9298
0.2398
-0.6904
-0.6516
1.1921
-1.6118
-0.0245
-1.9488
1.0205
0.8617
0.0012
-0.0708
-2.4863
0.5812
-2.1924
-2.3193

Normalized input signal vectors:

0.0462
0.1577
-0.1942
0.0741
0.0274
-0.1124
-0.0373
0.0295
0.3077
0.2381
-0.1161
0.2609
0.0624
-0.0054
0.0615
-0.0176
-0.0107
0.1281
0.1211
0.1218
0.0577
-0.1038

0.0617
0.1402
0.0420
0.0890
0.0625
-0.0261
0.0253
-0.0677
0.0764
-0.0986
-0.0919
-0.0696
-0.2531
0.1237
0.0280
-0.0649
0.1178
-0.1472
-0.0088
-0.0208
0.0274
0.0269
-0.0744
-0.0026
-0.0142
0.0540
0.0940
0.0954
-0.0743
0.0067
-0.1044
-0.0957
-0.0006
0.1318
-0.0662
0.0319
-0.0194
0.0961
-0.0936
0.0028
0.0475
0.0946
0.1328
0.0074
-0.1282
-0.0638
-0.0913
0.2021
-0.0529
0.0643
-0.0165
0.0764
-0.0658
-0.1206
-0.1223
0.0420
-0.0153
-0.0169

0.1220
0.0251
0.0170
0.1365
-0.0692
0.0599
0.0718
-0.0210
0.0185
-0.1002
-0.0987
0.0090
0.0621
0.2223
-0.0573
0.0161
-0.0071
-0.1662
-0.0377
-0.1543

0.0838
-0.0886
0.0100
-0.0543
0.0303
-0.0599
0.0489
0.0737
0.1707
-0.0194
-0.2133
-0.0837
0.1351
-0.1069
0.0958
0.0124
0.1433
-0.1956
-0.0197
-0.1205
0.2900
0.0823
0.1375
-0.1055
-0.0467
-0.0272
0.1096
-0.0277
0.0700
-0.2046
-0.0353
-0.0821
-0.1573
0.0507
0.0281
0.0033

-0.1330
0.1125
0.0349
-0.0298
0.0023
-0.0261
-0.1746
-0.0285
-0.0829
-0.0977
-0.1153
-0.0532
-0.1997
0.0962
0.0519
-0.0020
-0.0035
-0.0796
0.1016
-0.0133
-0.0713
0.1348
-0.0224
-0.0587
-0.0293
-0.0846
-0.1117
0.2519
0.1651
0.0307
-0.1254
-0.0863
-0.0176
0.0789
-0.1328
-0.2324
-0.1445
0.0333
0.0390
0.0450
-0.0130
0.0183
-0.0475
0.0860
-0.1358
0.0454
-0.0846
-0.0334
0.0551
0.1036
-0.1115
0.1257
0.0658
-0.0068
-0.0195
-0.0217
-0.0302
0.0023

0.0051
0.0824
0.1523
0.0466
-0.0209
0.0624

0.0180
-0.1012
0.0933
0.0302
0.0133
0.0506
0.0257
-0.0926
-0.0160
-0.0144
-0.0523
0.1654
-0.0861
-0.0476
-0.0700
-0.1154
-0.0189
-0.0269
0.1504
-0.0245
-0.1046
0.1576
0.1214
-0.0226
-0.1481
-0.0437
-0.0153
0.0271
-0.0257
0.0436
0.0385
-0.1229
-0.0932
-0.0729
-0.0499
-0.0315
0.0012
-0.2978
-0.0449
0.1221
-0.1049
0.0918
0.0344
-0.0029
0.0179
-0.1538
-0.0083
0.1577
0.0097
0.0041

-0.0722
-0.0030
0.0228
0.0419
-0.0366
-0.0232
0.1989
-0.2220
0.2192
0.0332
0.0983
-0.1636
-0.0580
-0.0273
0.0416
-0.1642
0.0464
-0.1192
0.0065
0.0641
0.0322
0.1064
0.0989
-0.0640
0.0253
-0.0928
-0.1299
0.0909
0.0000
-0.0054
0.0896
0.0584
0.0344
0.1229
0.0914
0.0236
-0.0679
-0.0640
0.1172
-0.1584
-0.0024
-0.1916
0.1003
0.0847
0.0001
-0.0070
-0.2444
0.0571
-0.2155
-0.2280

The cosine matrix:

1.0000	0.0671	0.1187
0.0671	1.0000	-0.1734
0.1187	-0.1734	1.0000

The associative weight matrix:

Columns 1 through 15

-0.1496	0.0759	0.0733	0.1388	-0.0473	0.1704	-0.0720	-0.2400
-0.3574	0.0244	0.3742	0.3328	-0.3563	0.1663	-0.2617	
0.1105	0.2141	-0.2951	0.1784	0.0681	-0.1742	-0.0489	-0.0336
0.5994	0.4619	-0.2844	0.6872	0.0386	-0.0584	0.0529	
0.2781	0.0370	-0.2751	0.0698	0.1286	-0.2940	0.0489	0.1138
0.9408	0.4231	-0.7110	0.5197	0.3089	-0.2723	0.2446	

Columns 16 through 30

-0.1402	-0.3055	0.3642	0.1898	0.2165	-0.6847	-0.0070	-0.1537
0.1885	-0.0546	0.0106	-0.2344	0.0826	-0.1656	0.4529	
-0.1507	-0.0402	0.2292	0.3927	0.2192	0.0109	-0.0500	0.2447
0.2578	-0.0640	0.1342	0.1097	-0.0250	0.0249	-0.0918	
-0.1259	0.2463	-0.1619	0.3533	-0.0217	0.5909	0.1146	0.5198
0.0467	-0.1575	0.0799	0.3288	-0.0805	0.1648	-0.5011	

Columns 31 through 45

0.1091	0.0413	0.2214	-0.1742	-0.1062	-0.0382	0.2673	-0.5227
-0.1148	0.1818	-0.1094	0.1440	0.3836	0.0541	0.1838	
0.1913	-0.3202	-0.2770	-0.2120	-0.5562	0.2158	0.0571	-0.4276
0.1907	-0.1722	-0.1224	0.0503	0.0893	0.0509	-0.1308	
0.1207	-0.4845	-0.5916	-0.1107	-0.5000	0.2225	-0.2089	-0.2027
0.2606	-0.2318	-0.1179	-0.0020	-0.2598	-0.0060	-0.2966	

Columns 46 through 60

0.0415	0.2224	0.2641	0.4091	-0.1883	-0.1759	0.0010	0.0298
0.2011	-0.2398	0.0033	0.3415	-0.4916	0.2640	0.1507	
-0.1590	-0.0367	0.2656	0.1977	0.1948	-0.2207	0.0103	-0.1859
-0.1496	-0.0378	0.2403	0.0666	-0.1581	0.1804	0.2253	
-0.3543	-0.2673	0.1592	-0.2018	0.3871	-0.1169	0.0063	-0.1929
-0.3088	0.1654	0.2137	-0.0759	0.1114	0.1355	0.1078	

Columns 61 through 75

0.1569	0.0055	0.1654	-0.5312	-0.2887	-0.2255	0.2971	0.0534
0.0417	-0.0937	0.2978	0.5712	0.3880	-0.1305	-0.0528	
-0.0890	-0.1580	0.0370	0.1619	0.3071	-0.1494	-0.2101	-0.2469
-0.1760	0.4683	-0.0737	0.2351	0.0658	0.0888	-0.1062	
-0.1476	-0.3271	-0.1864	0.6658	0.6373	-0.0881	-0.4609	-0.4195
-0.2112	0.6262	-0.3394	-0.2297	-0.2232	0.1553	-0.0282	

Columns 76 through 90

-0.1829	-0.1039	0.0543	0.0950	-0.1773	0.3612	-0.0323	0.2037
0.1897	-0.0189	-0.1837	0.1551	-0.3155	-0.0145	-0.1449	
-0.3340	-0.3745	0.1749	-0.0305	-0.0391	0.3336	0.1086	0.0684
0.3959	-0.0469	0.1434	0.0757	-0.1060	0.1543	-0.3589	
-0.2439	-0.4005	0.2115	-0.1255	0.1328	0.0620	0.1994	-0.1009
0.3291	0.0633	0.3506	-0.1472	0.1455	0.2860	-0.3725	

Columns 91 through 100

0.0365	-0.1482	0.1608	0.0801	-0.0101	-0.1717	-0.5490	-0.0360
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Assignment 1

Sai Rohith Tanuku

-0.1737	-0.3527						
-0.1998	-0.1735	0.2245	0.5293	-0.1146	0.0252	-0.2586	-0.2753
-0.2910	-0.5366						
-0.2387	-0.2169	0.1641	0.5339	-0.1043	0.1900	0.0460	-0.1821
-0.3328	-0.4119						

The responses we get:

-0.0156
2.1187
2.2529

-2.1734
-0.0391
1.9609

1.3468
1.2373
0.8905

Given Target Values:

0
2
2

-2
0
2

1
1
1

Similarity between responses and corresponding targets:

0.9995

0.9986

0.9862

Screenshots:

```
s1_new=randn(1,100)';
s2_new=randn(1,100)';
s3_new=randn(1,100)';
T1 = [0, 2, 2]';
T2 = [-2, 0, 2]';
T3 = [1, 1, 1]';
disp('The input signal vectors:');
disp(s1_new);
disp(s2_new);
disp(s3_new);
disp('Normalized input signal vectors:');
s1_new_norm=s1_new/norm(s1_new);
s2_new_norm=s2_new/norm(s2_new);
s3_new_norm=s3_new/norm(s3_new);
disp(s1_new_norm);
disp(s2_new_norm);
disp(s3_new_norm);
disp('The cosine matrix:');
cosine_matrix = [dot(s1_new_norm, s1_new_norm), dot(s1_new_norm, s2_new_norm), dot(s1_new_norm, s3_new_norm);
                 dot(s2_new_norm, s1_new_norm), dot(s2_new_norm, s2_new_norm), dot(s2_new_norm, s3_new_norm);
                 dot(s3_new_norm, s1_new_norm), dot(s3_new_norm, s2_new_norm), dot(s3_new_norm, s3_new_norm)];
disp(cosine_matrix);
disp('The associative weight matrix:');
w1 = T1 * s1_new_norm;
w2 = T2 * s2_new_norm;
w3 = T3 * s3_new_norm;

w=w1+w2+w3;
disp(w)

response_s1 = w * s1_new_norm;
response_s2 = w * s2_new_norm;
response_s3 = w * s3_new_norm;
disp('The responses we get:')
disp(response_s1);
disp(response_s2);
disp(response_s3);
disp('Given Target Values:')
disp(T1);
disp(T2);
disp(T3);
```

```
cosine_sim1 = dot(T1, response_s1) / (norm(T1) * norm(response_s1));
cosine_sim2 = dot(T2, response_s2) / (norm(T2) * norm(response_s2));
cosine_sim3 = dot(T3, response_s3) / (norm(T3) * norm(response_s3));

disp('Similarity between responses and corresponding targets:')
disp(cosine_sim1);
disp(cosine_sim2);
disp(cosine_sim3);
```

Assignment 1

Sai Rohith Tanuku

```

The cosine matrix:
1.0000  0.0671  0.1187
0.0671  1.0000 -0.1734
0.1187 -0.1734  1.0000

The associative weight matrix:
Columns 1 through 15

-0.1496  0.0759  0.0733  0.1388 -0.0473  0.1704 -0.0720 -0.2400 -0.3574  0.0244  0.3742  0.3328 -0.3563  0.1663 -0.2617
0.1105  0.2141 -0.2951  0.1784  0.0681 -0.1742 -0.0489 -0.0336  0.5994  0.4619 -0.2844  0.6872  0.0386 -0.0584  0.0529
0.2781  0.0370 -0.2751  0.0698  0.1286 -0.2940  0.0489  0.1138  0.9408  0.4231 -0.7110  0.5197  0.3089 -0.2723  0.2446

Columns 16 through 30

-0.1402 -0.3055  0.3642  0.1898  0.2165 -0.6847 -0.0070 -0.1537  0.1885 -0.0546  0.0106 -0.2344  0.0826 -0.1656  0.4529
-0.1507 -0.0402  0.2292  0.3927  0.2192  0.0109 -0.0500  0.2447  0.2578 -0.0640  0.1342  0.1097 -0.0250  0.0249 -0.0918
-0.1259  0.2463 -0.1619  0.3533 -0.0217  0.5909  0.1146  0.5198  0.0467 -0.1575  0.0799  0.3288 -0.0805  0.1648 -0.5011

Columns 31 through 45

0.1091  0.0413  0.2214 -0.1742 -0.1062 -0.0382  0.2673 -0.5227 -0.1148  0.1818 -0.1094  0.1440  0.3836  0.0541  0.1838
0.1913 -0.3202 -0.2770 -0.2120 -0.5562  0.2158  0.0571 -0.4276  0.1907 -0.1722 -0.1224  0.0503  0.0893  0.0509 -0.1308
0.1207 -0.4845 -0.5916 -0.1107 -0.5000  0.2225 -0.2089 -0.2027  0.2606 -0.2318 -0.1179 -0.0020 -0.2598 -0.0060 -0.2966

Columns 46 through 60

0.0415  0.2224  0.2641  0.4091 -0.1883 -0.1759  0.0010  0.0298  0.2011 -0.2398  0.0033  0.3415 -0.4916  0.2640  0.1507
-0.1590 -0.0367  0.2656  0.1977  0.1948 -0.2207  0.0103 -0.1859 -0.1496 -0.0378  0.2403  0.0666 -0.1581  0.1804  0.2253
-0.3543 -0.2673  0.1592 -0.2018  0.3871 -0.1169  0.0063 -0.1929 -0.3088  0.1654  0.2137 -0.0759  0.1114  0.1355  0.1078

Columns 61 through 75

0.1569  0.0055  0.1654 -0.5312 -0.2887 -0.2255  0.2971  0.0534  0.0417 -0.0937  0.2978  0.5712  0.3880 -0.1305 -0.0528
-0.0890 -0.1580  0.0370  0.1619  0.3071 -0.1494 -0.2101 -0.2469 -0.1760  0.4683 -0.0737  0.2351  0.0658  0.0888 -0.1062
-0.1476 -0.3271 -0.1864  0.6658  0.6373 -0.0881 -0.4609 -0.4195 -0.2112  0.6262 -0.3394 -0.2297 -0.2232  0.1553 -0.0282

Columns 76 through 90

-0.1829 -0.1039  0.0543  0.0950 -0.1773  0.3612 -0.0323  0.2037  0.1897 -0.0189 -0.1837  0.1551 -0.3155 -0.0145 -0.1449
-0.3340 -0.3745  0.1749 -0.0305 -0.0391  0.3336  0.1086  0.0684  0.3959 -0.0469  0.1434  0.0757 -0.1060  0.1543 -0.3589
-0.2439 -0.4005  0.2115 -0.1255  0.1328  0.0620  0.1994 -0.1009  0.3291  0.0633  0.3506 -0.1472  0.1455  0.2860 -0.3725

Columns 91 through 100

0.0365 -0.1482  0.1608  0.0801 -0.0101 -0.1717 -0.5490 -0.0360 -0.1737 -0.3527
-0.1998 -0.1735  0.2245  0.5293 -0.1146  0.0252 -0.2586 -0.2753 -0.2910 -0.5366
-0.2387 -0.2169  0.1641  0.5339 -0.1043  0.1900  0.0460 -0.1821 -0.3328 -0.4119

The responses we get:
-0.0156
2.1187
2.2529

-2.1734
-0.0391
1.9609

1.3468
1.2373
0.8905

Given Target Values:
0
2
2

-2
0
2

1

```

Given Target Values:

```

0
2
2

-2
0
2

1
1
1

```

Similarity between responses and corresponding targets:

0.9995

0.9986

0.9862

Question 3:

Part 2:

```
s1_new=randn(1,10000)';
s2_new=randn(1,10000)';
s3_new=randn(1,10000)';
T1 = [0, 2, 2]';
T2 = [-2, 0, 2]';
T3 = [1, 1, 1]';
disp('The input signal vectors:');
disp(s1_new);
disp(s2_new);
disp(s3_new);
disp('Normalized input signal vectors:');
s1_new_norm=s1_new/norm(s1_new);
s2_new_norm=s2_new/norm(s2_new);
s3_new_norm=s3_new/norm(s3_new);
disp(s1_new_norm);
disp(s2_new_norm);
disp(s3_new_norm);
disp('The cosine matrix:');
cosine_matrix = [dot(s1_new_norm, s1_new_norm), dot(s1_new_norm,
s2_new_norm), dot(s1_new_norm, s3_new_norm);
                 dot(s2_new_norm, s1_new_norm), dot(s2_new_norm,
s2_new_norm), dot(s2_new_norm, s3_new_norm);
                 dot(s3_new_norm, s1_new_norm), dot(s3_new_norm,
s2_new_norm), dot(s3_new_norm, s3_new_norm)];
disp(cosine_matrix);
disp('The associative weight matrix:');
w1 = T1 * s1_new_norm';
w2 = T2 * s2_new_norm';
w3 = T3 * s3_new_norm';

w=w1+w2+w3;
disp(w)

response_s1 = w * s1_new_norm;
response_s2 = w * s2_new_norm;
response_s3 = w * s3_new_norm;
disp('The responses we get:')
disp(response_s1);
disp(response_s2);
disp(response_s3);
disp('Given Target Values:')
disp(T1);
disp(T2);
disp(T3);
```

```

cosine_sim1 = dot(T1, response_s1) / (norm(T1) * norm(response_s1));
cosine_sim2 = dot(T2, response_s2) / (norm(T2) * norm(response_s2));
cosine_sim3 = dot(T3, response_s3) / (norm(T3) * norm(response_s3));

disp('Similarity between response and corresponding targets:')
disp(cosine_sim1);
disp(cosine_sim2);
disp(cosine_sim3);

```

Output:

The cosine matrix:

1.0000	0.0086	0.0001
0.0086	1.0000	-0.0020
0.0001	-0.0020	1.0000

The associative weight matrix:

Columns 1 through 15

0.0116	-0.0182	0.0027	0.0215	-0.0116	0.0096	-0.0119	0.0019
0.0341	0.0011	-0.0236	-0.0152	0.0167	0.0006	0.0035	
0.0257	-0.0154	0.0021	0.0094	0.0190	-0.0003	0.0063	0.0037
0.0337	0.0217	0.0134	-0.0120	0.0094	0.0201	-0.0441	
0.0382	0.0066	-0.0068	-0.0165	0.0323	0.0037	0.0154	0.0034
0.0166	0.0314	0.0323	-0.0061	0.0051	0.0193	-0.0487	

Columns 16 through 30

0.0141	-0.0319	-0.0302	0.0130	0.0064	-0.0219	-0.0279	-0.0022
-0.0177	-0.0284	0.0043	0.0085	-0.0094	0.0127	-0.0096	
-0.0240	-0.0523	-0.0166	0.0273	0.0118	-0.0291	-0.0131	0.0098
-0.0137	-0.0178	0.0008	-0.0077	0.0098	-0.0316	0.0279	
-0.0518	-0.0469	0.0049	0.0285	0.0004	-0.0157	0.0113	0.0190
-0.0037	-0.0133	-0.0108	-0.0050	0.0325	-0.0327	0.0421	

Columns 31 through 45

0.0030	-0.0226	0.0196	0.0163	0.0539	-0.0285	-0.0082	-0.0021
-0.0146	0.0399	-0.0028	-0.0432	-0.0162	-0.0020	0.0152	
-0.0109	-0.0350	0.0020	-0.0366	0.0043	-0.0250	0.0429	0.0356
-0.0536	0.0130	-0.0290	-0.0094	0.0059	0.0101	0.0002	
-0.0122	-0.0231	-0.0105	-0.0606	-0.0448	-0.0103	0.0499	0.0503
-0.0421	-0.0228	-0.0269	0.0297	0.0246	0.0071	-0.0092	

Columns 46 through 60

0.0004	-0.0133	-0.0081	0.0278	0.0140	0.0148	-0.0004	-0.0241
-0.0116	0.0340	-0.0067	-0.0099	0.0113	0.0346	0.0142	
0.0249	-0.0178	0.0023	0.0232	0.0066	0.0270	0.0283	-0.0195
-0.0420	0.0462	-0.0141	0.0080	0.0188	0.0106	-0.0195	
0.0175	-0.0126	0.0061	0.0052	-0.0026	0.0212	0.0504	0.0011
-0.0359	0.0207	-0.0092	0.0238	0.0149	-0.0158	-0.0350	

Columns 61 through 75

0.0038	-0.0000	-0.0228	-0.0126	-0.0073	-0.0053	-0.0125	0.0061
-0.0060	0.0178	-0.0085	-0.0246	-0.0188	-0.0242	0.0188	
0.0101	-0.0039	0.0148	-0.0237	0.0238	0.0203	-0.0083	-0.0041
-0.0043	-0.0070	-0.0195	0.0004	-0.0288	-0.0310	0.0142	
0.0259	-0.0053	0.0226	-0.0174	0.0390	0.0396	0.0006	0.0071
0.0031	-0.0301	-0.0008	0.0215	-0.0221	-0.0358	0.0027	

Columns 76 through 90

0.0370	-0.0105	-0.0242	-0.0417	-0.0058	0.0040	-0.0255	-0.0361
-0.0273	0.0122	0.0147	-0.0059	-0.0060	-0.0122	0.0116	
-0.0129	-0.0157	-0.0049	-0.0594	0.0126	0.0433	0.0286	-0.0080
0.0296	-0.0277	0.0268	0.0164	0.0178	-0.0161	0.0081	
-0.0444	-0.0151	0.0073	-0.0401	0.0101	0.0335	0.0633	0.0265
0.0779	-0.0466	0.0009	0.0197	0.0256	-0.0023	-0.0018	

Columns 91 through 105

0.0083	0.0120	0.0364	0.0058	-0.0004	0.0198	0.0047	-0.0134
-0.0197	-0.0287	-0.0485	-0.0079	-0.0571	-0.0512	-0.0213	
-0.0070	-0.0005	-0.0149	-0.0315	-0.0174	0.0072	-0.0127	0.0109
-0.0160	-0.0020	-0.0016	-0.0029	-0.0334	-0.0343	-0.0048	
-0.0110	-0.0067	-0.0546	-0.0481	-0.0161	-0.0012	0.0043	0.0228
-0.0100	0.0105	0.0398	-0.0080	0.0204	0.0031	0.0207	

Columns 106 through 120

0.0560	0.0235	0.0281	-0.0002	0.0190	-0.0023	-0.0424	0.0180
0.0396	-0.0023	0.0013	-0.0119	0.0017	0.0133	0.0168	
0.0186	0.0349	-0.0044	0.0294	0.0073	0.0126	-0.0101	-0.0201
-0.0276	-0.0142	0.0127	-0.0040	-0.0068	-0.0001	-0.0007	
-0.0212	0.0235	-0.0310	0.0334	-0.0141	0.0037	0.0198	-0.0448
-0.0649	-0.0293	0.0075	0.0098	-0.0045	-0.0072	0.0040	

Columns 121 through 135

0.0171	-0.0005	-0.0370	0.0098	-0.0291	0.0144	0.0070	0.0188
-0.0043	0.0061	0.0354	0.0342	0.0077	-0.0027	-0.0375	
-0.0158	0.0019	-0.0152	0.0081	0.0072	0.0099	0.0642	-0.0020
0.0331	0.0030	0.0249	-0.0009	0.0080	0.0041	-0.0544	
-0.0388	0.0080	0.0057	0.0077	0.0311	0.0032	0.0848	-0.0291
0.0340	0.0145	0.0038	-0.0306	-0.0040	-0.0011	-0.0270	

Columns 136 through 150

0.0121	-0.0183	0.0081	0.0292	0.0076	-0.0378	0.0055	-0.0289
-0.0142	0.0174	-0.0290	-0.0012	0.0121	-0.0058	0.0155	
-0.0351	-0.0263	0.0110	0.0464	-0.0061	0.0217	0.0041	-0.0197
-0.0044	-0.0080	0.0159	0.0006	0.0434	-0.0047	0.0179	
-0.0554	-0.0053	0.0058	0.0339	-0.0132	0.0648	-0.0083	0.0109
-0.0027	-0.0181	0.0301	0.0030	0.0417	0.0051	0.0083	

Columns 151 through 165

-0.0476	-0.0290	-0.0211	-0.0166	0.0034	-0.0379	-0.0033	0.0140
-0.0056	0.0034	-0.0253	0.0100	-0.0360	-0.0052	-0.0085	

Assignment 1

Sai Rohith Tanuku

-0.0061	-0.0679	-0.0247	0.0164	-0.0165	-0.0308	0.0038	0.0040
-0.0194	0.0047	-0.0134	0.0461	-0.0395	0.0001	-0.0339	
0.0366	-0.0659	-0.0084	0.0369	-0.0353	-0.0011	0.0237	-0.0111
-0.0130	-0.0138	0.0114	0.0456	-0.0212	0.0013	-0.0285	

Columns 166 through 180

0.0138	0.0227	0.0210	-0.0437	-0.0021	-0.0175	-0.0136	-0.0597
0.0132	-0.0319	0.0170	-0.0035	0.0254	-0.0268	-0.0044	
-0.0108	0.0015	0.0253	0.0243	0.0216	-0.0137	0.0139	0.0049
0.0248	-0.0071	0.0130	-0.0238	0.0199	-0.0291	-0.0301	
-0.0208	-0.0078	0.0215	0.0732	0.0391	-0.0024	0.0250	0.0532
0.0340	0.0061	0.0006	-0.0242	-0.0011	-0.0181	-0.0436	

Columns 181 through 195

-0.0245	-0.0000	0.0062	0.0136	0.0204	-0.0138	-0.0235	-0.0048
-0.0515	-0.0155	-0.0035	0.0218	-0.0128	0.0134	-0.0123	
0.0066	0.0135	0.0022	0.0184	0.0139	-0.0007	0.0004	-0.0116
-0.0044	0.0054	-0.0039	0.0279	0.0149	0.0003	0.0208	
0.0341	0.0333	0.0009	0.0112	-0.0138	0.0165	0.0177	-0.0136
0.0380	0.0174	0.0083	0.0283	0.0304	-0.0147	0.0188	

Columns 196 through 210

0.0281	0.0308	0.0283	-0.0236	0.0543	-0.0524	-0.0156	0.0576
-0.0008	-0.0122	0.0099	-0.0161	0.0006	-0.0124	-0.0312	
-0.0042	-0.0090	-0.0442	0.0269	0.0308	-0.0066	0.0180	0.0187
0.0032	0.0080	0.0049	0.0020	0.0361	-0.0340	-0.0380	
-0.0243	-0.0338	-0.0812	0.0590	-0.0101	0.0409	0.0334	-0.0240
0.0014	0.0258	-0.0090	0.0181	0.0151	-0.0320	-0.0073	

Columns 211 through 225

-0.0149	-0.0440	0.0048	0.0089	-0.0028	-0.0109	-0.0654	0.0317
-0.0061	0.0289	-0.0395	-0.0170	-0.0148	0.0161	-0.0163	
-0.0304	-0.0411	-0.0027	-0.0082	0.0031	0.0011	-0.0145	0.0303
0.0319	0.0241	-0.0327	-0.0508	0.0320	-0.0262	-0.0058	
-0.0229	-0.0161	-0.0014	-0.0219	0.0135	0.0022	0.0284	0.0138
0.0339	-0.0054	0.0001	-0.0375	0.0606	-0.0313	0.0033	

Columns 226 through 240

-0.0215	0.0020	-0.0143	0.0235	0.0007	0.0199	0.0125	0.0395
-0.0037	0.0015	-0.0115	-0.0235	0.0166	0.0158	-0.0013	
0.0055	0.0411	-0.0042	-0.0151	-0.0004	0.0224	-0.0002	-0.0046
-0.0227	0.0128	-0.0261	-0.0248	0.0259	0.0126	-0.0012	
0.0317	0.0352	0.0073	-0.0435	-0.0063	0.0200	-0.0143	-0.0364
-0.0169	0.0176	-0.0136	-0.0053	0.0083	0.0179	0.0017	

Columns 241 through 255

-0.0306	-0.0218	0.0336	0.0246	0.0149	-0.0278	-0.0159	0.0107
0.0203	0.0202	-0.0010	-0.0202	-0.0068	-0.0181	-0.0452	
0.0117	-0.0092	0.0386	-0.0190	0.0190	0.0049	-0.0204	-0.0110
-0.0148	0.0021	-0.0005	-0.0131	0.0234	-0.0205	0.0015	
0.0359	0.0095	0.0228	-0.0556	0.0026	0.0248	-0.0205	-0.0151
-0.0289	-0.0105	0.0088	0.0021	0.0336	-0.0169	0.0251	

Columns 256 through 270

0.0019	0.0153	0.0052	-0.0088	0.0194	0.0419	0.0041	0.0013
-0.0459	-0.0043	-0.0164	0.0147	0.0241	0.0147	-0.0057	
-0.0125	0.0346	-0.0251	-0.0012	0.0361	0.0129	0.0064	0.0473
0.0149	-0.0026	0.0072	0.0039	0.0163	0.0194	-0.0314	
-0.0161	0.0343	-0.0449	0.0028	0.0331	-0.0077	0.0176	0.0528
0.0565	0.0078	0.0176	0.0003	-0.0057	-0.0046	-0.0245	

Columns 271 through 285

-0.0220	0.0083	-0.0335	0.0024	-0.0030	0.0134	0.0187	-0.0187
0.0423	0.0474	-0.0218	0.0044	-0.0201	0.0051	0.0076	
0.0298	0.0454	-0.0133	0.0278	0.0065	-0.0170	-0.0416	-0.0105
0.0510	-0.0110	0.0256	-0.0133	-0.0094	-0.0372	-0.0046	
0.0607	0.0530	0.0059	0.0179	0.0128	-0.0223	-0.0576	0.0045
0.0454	-0.0759	0.0647	-0.0193	-0.0017	-0.0463	-0.0014	

Columns 286 through 300

0.0141	-0.0182	0.0169	0.0265	0.0198	0.0109	-0.0205	-0.0193
-0.0696	0.0077	0.0088	0.0234	0.0162	0.0059	-0.0148	
-0.0077	-0.0089	0.0079	-0.0191	0.0103	0.0029	-0.0379	0.0304
-0.0049	0.0005	0.0091	0.0058	0.0076	0.0175	0.0159	
-0.0130	-0.0102	-0.0009	-0.0414	0.0011	0.0088	-0.0419	0.0626
0.0575	-0.0147	-0.0085	-0.0154	-0.0121	0.0152	0.0228	

Columns 301 through 315

0.0136	0.0281	-0.0420	-0.0172	0.0187	0.0156	0.0030	0.0105
0.0179	0.0323	-0.0043	0.0198	-0.0021	0.0161	-0.0096	
0.0264	0.0303	-0.0108	0.0011	0.0333	0.0005	-0.0069	0.0279
0.0081	0.0463	0.0203	0.0196	-0.0179	0.0205	-0.0405	
0.0295	0.0039	0.0200	0.0205	0.0134	-0.0043	-0.0167	0.0266
-0.0049	0.0319	0.0239	0.0135	-0.0179	0.0134	-0.0434	

Columns 316 through 330

-0.0090	0.0136	-0.0219	-0.0205	0.0510	0.0016	0.0140	-0.0265
0.0267	-0.0530	-0.0100	0.0308	0.0002	0.0163	-0.0207	
0.0003	0.0168	0.0104	0.0095	0.0367	0.0069	0.0323	0.0053
0.0066	-0.0440	-0.0192	0.0252	-0.0092	0.0150	-0.0094	
0.0046	0.0036	0.0383	0.0217	-0.0189	-0.0065	0.0453	0.0242
-0.0222	-0.0083	-0.0200	-0.0051	-0.0178	0.0019	0.0223	

Columns 331 through 345

0.0401	0.0278	0.0037	0.0027	0.0389	-0.0271	0.0484	0.0250
0.0062	-0.0213	-0.0133	-0.0026	-0.0256	0.0106	-0.0257	
-0.0028	0.0236	-0.0160	0.0247	0.0024	-0.0185	0.0192	-0.0312
-0.0439	-0.0281	-0.0222	-0.0263	-0.0428	0.0055	-0.0263	
-0.0469	0.0073	-0.0082	0.0397	-0.0303	0.0090	-0.0092	-0.0490
-0.0509	-0.0111	-0.0111	-0.0262	-0.0251	-0.0055	0.0054	

Columns 346 through 360

-0.0029	0.0268	0.0121	0.0249	0.0304	-0.0057	0.0163	-0.0049
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Assignment 1

Sai Rohith Tanuku

-0.0101	0.0117	-0.0126	0.0025	-0.0299	0.0106	-0.0081	
0.0012	0.0056	-0.0062	0.0069	-0.0001	-0.0224	-0.0090	0.0145
0.0226	-0.0126	-0.0433	-0.0083	0.0150	-0.0245	-0.0260	
0.0031	-0.0316	-0.0244	-0.0129	-0.0229	-0.0091	-0.0334	0.0145
0.0202	-0.0282	-0.0411	-0.0225	0.0522	-0.0550	-0.0206	

Columns 361 through 375

0.0164	0.0041	0.0371	-0.0136	0.0259	-0.0282	-0.0066	0.0043
0.0346	0.0177	-0.0005	0.0183	0.0007	0.0530	0.0249	
0.0473	-0.0478	-0.0081	-0.0234	0.0173	0.0003	0.0087	-0.0261
0.0257	0.0199	0.0231	-0.0126	0.0169	0.0223	0.0558	
0.0372	-0.0520	-0.0430	-0.0064	0.0217	0.0224	0.0213	-0.0422
0.0010	0.0096	0.0335	-0.0349	0.0120	-0.0218	0.0360	

Columns 376 through 390

0.0060	-0.0081	-0.0016	0.0064	-0.0207	0.0048	0.0351	-0.0329
-0.0137	0.0026	-0.0009	0.0022	-0.0093	-0.0135	0.0044	
0.0371	0.0318	0.0276	-0.0112	-0.0210	-0.0303	-0.0162	-0.0016
-0.0141	-0.0066	0.0040	-0.0099	0.0217	-0.0134	0.0050	
0.0466	0.0483	0.0556	-0.0027	-0.0137	-0.0500	-0.0561	0.0184
-0.0032	0.0024	0.0172	-0.0187	0.0443	0.0060	-0.0008	

Columns 391 through 405

0.0206	0.0148	-0.0166	-0.0234	-0.0182	0.0345	-0.0011	0.0669
0.0450	0.0180	-0.0085	0.0003	0.0015	-0.0253	0.0236	
0.0097	0.0406	-0.0075	-0.0030	-0.0219	-0.0317	0.0111	-0.0001
0.0229	-0.0172	0.0310	0.0016	0.0202	-0.0090	0.0226	
-0.0027	0.0396	0.0060	0.0202	-0.0020	-0.0699	0.0170	-0.0620
-0.0093	-0.0342	0.0319	0.0005	0.0177	0.0119	0.0250	

Columns 406 through 420

-0.0213	0.0021	0.0119	0.0238	-0.0279	0.0091	-0.0072	-0.0028
0.0135	0.0176	0.0291	-0.0107	-0.0351	-0.0299	-0.0023	
0.0104	0.0118	-0.0292	-0.0311	-0.0259	-0.0279	0.0038	-0.0113
-0.0045	-0.0006	0.0278	0.0168	-0.0112	0.0275	-0.0064	
0.0282	0.0103	-0.0477	-0.0550	-0.0017	-0.0363	0.0135	-0.0114
-0.0151	0.0087	0.0109	0.0353	0.0146	0.0642	0.0073	

Columns 421 through 435

-0.0416	-0.0132	0.0467	-0.0074	-0.0194	0.0365	-0.0109	0.0239
0.0089	-0.0080	-0.0078	-0.0128	-0.0249	0.0042	-0.0305	
-0.0143	0.0097	0.0334	-0.0245	-0.0044	0.0031	-0.0335	-0.0290
0.0246	-0.0205	-0.0045	-0.0235	-0.0111	-0.0656	-0.0331	
0.0045	0.0256	0.0131	-0.0268	0.0041	-0.0200	-0.0380	-0.0575
0.0193	-0.0159	0.0022	-0.0097	0.0087	-0.0699	-0.0137	

Columns 436 through 450

-0.0415	0.0140	-0.0218	-0.0236	0.0175	-0.0080	0.0117	0.0229
0.0398	-0.0256	0.0396	-0.0185	0.0001	-0.0121	-0.0033	
-0.0495	-0.0097	-0.0239	-0.0119	0.0556	-0.0342	-0.0037	-0.0218
0.0083	-0.0278	-0.0018	-0.0031	0.0108	-0.0221	-0.0406	
-0.0286	-0.0128	-0.0216	0.0065	0.0542	-0.0488	-0.0139	-0.0348

Assignment 1

Sai Rohith Tanuku

-0.0136 -0.0030 -0.0439 -0.0050 0.0135 -0.0180 -0.0449

Columns 451 through 465

0.0341	0.0094	0.0146	-0.0261	0.0090	-0.0184	-0.0066	0.0152
0.0277	0.0243	0.0177	0.0075	0.0023	-0.0183	-0.0136	
0.0328	0.0399	-0.0037	-0.0323	0.0253	-0.0207	-0.0173	0.0218
-0.0152	-0.0433	0.0101	0.0033	0.0020	0.0001	0.0129	
0.0020	0.0289	-0.0244	-0.0184	0.0173	-0.0112	-0.0186	0.0105
-0.0300	-0.0712	-0.0060	-0.0090	-0.0002	0.0085	0.0175	

Columns 466 through 480

-0.0212	0.0130	-0.0284	-0.0010	0.0200	-0.0267	-0.0006	-0.0110
0.0085	0.0053	0.0242	0.0021	-0.0106	-0.0344	0.0207	
0.0157	0.0025	0.0087	-0.0012	0.0039	-0.0344	0.0190	-0.0154
0.0003	-0.0139	-0.0249	0.0017	-0.0079	0.0221	0.0280	
0.0330	0.0035	0.0293	-0.0049	-0.0020	-0.0180	0.0255	-0.0126
-0.0088	-0.0169	-0.0426	-0.0022	-0.0040	0.0542	0.0191	

Columns 481 through 495

0.0277	-0.0013	0.0083	-0.0085	0.0007	0.0528	-0.0256	-0.0163
-0.0038	0.0307	0.0160	0.0417	0.0217	-0.0257	0.0233	
0.0405	-0.0119	-0.0077	-0.0340	0.0129	0.0679	0.0156	-0.0195
0.0047	-0.0053	-0.0267	0.0223	0.0010	0.0048	0.0203	
0.0320	-0.0073	-0.0048	-0.0338	0.0151	0.0266	0.0421	-0.0070
-0.0038	-0.0185	-0.0406	-0.0115	-0.0040	0.0288	-0.0113	

Columns 496 through 510

0.0344	-0.0162	0.0175	0.0073	0.0134	0.0083	0.0164	-0.0008
-0.0041	-0.0050	-0.0071	0.0055	0.0408	0.0027	0.0212	
0.0074	0.0021	-0.0422	0.0149	0.0415	0.0279	-0.0235	-0.0024
-0.0057	0.0109	0.0110	0.0078	-0.0164	-0.0043	-0.0095	
-0.0278	0.0016	-0.0694	0.0091	0.0263	0.0366	-0.0322	0.0000
0.0027	0.0191	0.0207	0.0019	-0.0662	0.0007	-0.0282	

Columns 511 through 525

-0.0220	0.0195	-0.0236	0.0090	0.0153	-0.0071	-0.0577	0.0375
-0.0561	-0.0146	0.0264	0.0014	-0.0150	0.0034	0.0267	
0.0060	-0.0447	-0.0071	-0.0037	-0.0111	0.0105	-0.0118	-0.0005
-0.0168	-0.0101	0.0001	0.0024	-0.0093	-0.0435	0.0098	
0.0167	-0.0715	0.0135	-0.0219	-0.0243	0.0186	0.0355	-0.0196
0.0193	-0.0002	-0.0180	0.0178	-0.0048	-0.0529	0.0010	

Columns 526 through 540

0.0449	-0.0063	-0.0078	-0.0212	-0.0090	-0.0156	-0.0104	-0.0162
0.0354	-0.0053	0.0174	-0.0029	-0.0170	0.0029	-0.0402	
-0.0075	-0.0280	0.0161	-0.0307	-0.0047	0.0256	-0.0216	0.0018
0.0250	-0.0109	0.0341	-0.0139	0.0062	-0.0102	-0.0518	
-0.0489	-0.0312	0.0268	-0.0254	-0.0114	0.0471	-0.0296	0.0142
0.0016	-0.0148	0.0399	0.0006	0.0070	-0.0032	-0.0265	

Columns 541 through 555

Assignment 1

Sai Rohith Tanuku

-0.0364	0.0306	0.0054	-0.0109	0.0092	0.0021	-0.0132	-0.0350
0.0184	-0.0044	0.0233	0.0162	-0.0021	0.0211	-0.0301	
0.0167	0.0180	0.0192	0.0130	-0.0081	-0.0594	0.0281	-0.0228
0.0012	0.0038	-0.0281	-0.0036	0.0393	0.0072	-0.0354	
0.0418	0.0066	0.0240	0.0442	-0.0047	-0.0588	0.0567	-0.0048
-0.0121	0.0039	-0.0508	-0.0086	0.0574	-0.0188	-0.0148	

Columns 556 through 570

0.0056	0.0214	0.0134	0.0420	0.0093	0.0164	0.0429	0.0070
0.0094	0.0260	-0.0209	0.0113	0.0068	-0.0069	0.0111	
-0.0467	-0.0043	0.0029	0.0181	0.0093	-0.0295	0.0152	-0.0169
-0.0219	0.0047	-0.0432	0.0092	-0.0185	-0.0185	-0.0063	
-0.0545	-0.0183	-0.0119	-0.0248	0.0073	-0.0528	-0.0186	-0.0170
-0.0337	-0.0033	-0.0407	0.0125	-0.0256	-0.0242	-0.0143	

Columns 571 through 585

-0.0066	0.0429	0.0326	0.0037	-0.0182	-0.0002	-0.0228	-0.0187
-0.0041	0.0316	0.0214	-0.0068	-0.0215	-0.0047	-0.0059	
-0.0201	0.0138	0.0312	-0.0067	-0.0063	-0.0298	-0.0376	-0.0346
0.0332	0.0299	-0.0109	-0.0307	-0.0308	0.0366	0.0273	
-0.0253	-0.0051	0.0049	-0.0294	0.0043	-0.0297	-0.0194	-0.0108
0.0178	0.0086	-0.0484	-0.0350	-0.0168	0.0668	0.0288	

Columns 586 through 600

0.0228	-0.0146	0.0156	0.0139	-0.0037	0.0329	0.0150	-0.0043
-0.0384	-0.0143	-0.0331	0.0102	-0.0078	0.0229	0.0043	
-0.0208	-0.0192	-0.0027	-0.0245	0.0117	-0.0005	0.0469	-0.0029
-0.0014	-0.0264	-0.0066	-0.0274	0.0038	0.0458	-0.0048	
-0.0302	-0.0148	-0.0193	-0.0227	0.0101	-0.0255	0.0401	0.0064
0.0273	-0.0153	0.0326	-0.0414	0.0076	0.0425	-0.0018	

Columns 601 through 615

0.0251	-0.0073	0.0119	-0.0093	0.0151	0.0117	0.0017	-0.0105
-0.0003	0.0183	0.0330	-0.0089	0.0148	-0.0057	-0.0191	
0.0123	-0.0195	0.0076	0.0074	0.0102	-0.0145	-0.0154	0.0122
-0.0118	0.0007	0.0034	0.0205	0.0113	-0.0229	-0.0562	
-0.0094	-0.0216	0.0012	-0.0002	0.0028	-0.0197	-0.0152	0.0383
-0.0195	0.0006	-0.0298	0.0242	0.0129	-0.0360	-0.0487	

Columns 616 through 630

0.0051	0.0187	0.0282	-0.0130	0.0143	-0.0339	-0.0186	-0.0137
-0.0149	0.0387	-0.0207	-0.0034	0.0232	0.0164	0.0129	
-0.0164	-0.0150	-0.0024	0.0153	0.0265	0.0047	-0.0185	-0.0057
0.0166	0.0213	0.0208	0.0239	-0.0259	0.0074	0.0028	
-0.0222	-0.0205	-0.0252	0.0330	0.0079	0.0068	-0.0161	0.0088
0.0315	-0.0060	0.0468	0.0355	-0.0450	-0.0126	-0.0055	

Columns 631 through 645

0.0171	-0.0235	-0.0177	0.0046	-0.0238	-0.0105	-0.0070	-0.0326
0.0554	-0.0155	-0.0156	-0.0018	-0.0257	0.0125	0.0083	
-0.0090	-0.0181	0.0288	-0.0075	-0.0281	-0.0039	0.0604	-0.0075

Assignment 1

Sai Rohith Tanuku

0.0361	-0.0176	0.0257	-0.0037	0.0020	-0.0159	0.0141	
-0.0199	0.0014	0.0494	-0.0032	-0.0074	-0.0017	0.0872	0.0171
0.0105	-0.0007	0.0331	-0.0081	0.0190	-0.0249	0.0027	

Columns 646 through 660

-0.0155	0.0006	0.0055	-0.0138	0.0023	-0.0205	-0.0273	0.0135
-0.0089	-0.0094	-0.0157	-0.0029	0.0056	0.0171	-0.0124	
0.0038	-0.0249	0.0082	0.0002	-0.0054	-0.0207	-0.0157	-0.0309
-0.0134	0.0027	0.0288	-0.0211	0.0543	0.0314	0.0096	
0.0153	-0.0270	0.0102	0.0233	-0.0154	-0.0158	-0.0002	-0.0544
-0.0113	-0.0007	0.0380	-0.0159	0.0549	0.0148	0.0282	

Columns 661 through 675

-0.0389	-0.0160	-0.0209	-0.0091	0.0044	-0.0052	0.0199	-0.0151
-0.0054	0.0507	0.0355	-0.0197	0.0073	0.0018	0.0373	
-0.0149	-0.0202	0.0130	-0.0221	-0.0129	0.0163	-0.0026	0.0365
0.0236	0.0056	-0.0014	0.0080	-0.0095	0.0252	0.0210	
0.0152	-0.0103	0.0301	-0.0212	-0.0209	0.0199	-0.0339	0.0699
0.0424	-0.0314	-0.0279	0.0196	-0.0127	0.0246	-0.0113	

Columns 676 through 690

0.0136	-0.0095	-0.0021	0.0354	-0.0155	0.0199	-0.0143	-0.0348
-0.0358	-0.0114	-0.0036	0.0076	-0.0237	-0.0089	0.0084	
0.0219	-0.0058	0.0181	0.0770	0.0028	-0.0330	0.0257	0.0081
-0.0221	0.0494	0.0290	-0.0097	-0.0228	-0.0120	-0.0482	
0.0245	-0.0022	0.0310	0.0473	0.0234	-0.0544	0.0269	0.0386
0.0047	0.0572	0.0504	-0.0329	-0.0062	0.0064	-0.0689	

Columns 691 through 705

0.0091	-0.0509	-0.0089	-0.0087	-0.0032	0.0047	0.0391	0.0101
-0.0086	0.0221	0.0015	-0.0093	-0.0328	0.0048	-0.0063	
0.0033	-0.0145	0.0236	0.0100	0.0448	0.0119	0.0041	0.0028
-0.0057	-0.0303	0.0123	-0.0141	0.0045	-0.0181	0.0071	
0.0061	0.0431	0.0430	0.0351	0.0571	-0.0115	-0.0342	0.0012
-0.0262	-0.0594	0.0095	-0.0054	0.0499	-0.0273	0.0090	

Columns 706 through 720

-0.0565	0.0181	-0.0241	0.0134	-0.0264	0.0004	-0.0259	-0.0147
-0.0141	0.0533	0.0192	0.0265	0.0452	-0.0106	-0.0234	
-0.0196	-0.0244	-0.0078	-0.0005	0.0075	-0.0044	0.0052	-0.0583
0.0106	0.0570	0.0254	0.0183	0.0099	0.0114	0.0026	
0.0330	-0.0453	-0.0027	-0.0059	0.0340	-0.0022	0.0308	-0.0500
0.0259	0.0233	0.0106	-0.0084	-0.0206	0.0298	0.0237	

Columns 721 through 735

-0.0026	0.0134	-0.0267	-0.0544	-0.0184	0.0072	0.0476	-0.0296
-0.0035	-0.0277	0.0183	-0.0281	0.0185	0.0290	0.0162	
-0.0034	-0.0234	-0.0127	-0.0212	-0.0140	0.0076	0.0899	-0.0422
0.0004	-0.0362	0.0248	0.0314	-0.0209	0.0539	-0.0294	
-0.0062	-0.0433	0.0083	0.0156	0.0002	-0.0090	0.0808	-0.0280
0.0016	-0.0155	0.0050	0.0624	-0.0267	0.0396	-0.0531	

Columns 736 through 750

-0.0159	0.0012	-0.0026	0.0204	0.0348	0.0127	0.0025	-0.0511
0.0125	-0.0261	0.0019	-0.0067	-0.0138	-0.0139	0.0015	
0.0059	0.0167	-0.0052	0.0593	0.0695	0.0012	-0.0385	-0.0147
-0.0122	-0.0255	-0.0399	0.0125	0.0469	-0.0140	0.0033	
0.0232	0.0099	-0.0107	0.0517	0.0485	-0.0131	-0.0409	0.0291
-0.0198	-0.0094	-0.0589	0.0301	0.0650	0.0005	0.0108	

Columns 751 through 765

0.0355	-0.0079	0.0007	0.0145	0.0097	-0.0014	-0.0145	-0.0273
0.0006	-0.0082	-0.0038	-0.0090	0.0253	0.0277	0.0106	
0.0223	0.0138	0.0226	-0.0013	0.0189	0.0151	-0.0051	-0.0060
-0.0245	0.0296	0.0008	0.0009	0.0021	0.0178	0.0284	
-0.0145	0.0110	0.0347	-0.0377	0.0104	0.0392	-0.0044	0.0214
-0.0313	0.0546	0.0040	0.0146	-0.0270	-0.0120	0.0382	

Columns 766 through 780

0.0159	0.0542	0.0086	0.0082	0.0264	0.0303	-0.0117	-0.0157
0.0154	-0.0230	0.0128	0.0434	0.0177	0.0001	0.0509	
0.0126	0.0230	0.0005	-0.0147	0.0250	0.0336	-0.0180	0.0301
-0.0044	-0.0012	-0.0151	-0.0126	-0.0011	0.0236	0.0449	
0.0054	-0.0138	-0.0086	-0.0219	0.0078	0.0085	-0.0136	0.0368
-0.0206	0.0255	-0.0250	-0.0526	-0.0006	0.0400	0.0066	

Columns 781 through 795

-0.0387	0.0143	-0.0020	-0.0007	0.0005	-0.0320	-0.0325	0.0092
0.0159	0.0387	0.0354	0.0062	0.0338	0.0219	-0.0037	
0.0099	0.0257	0.0086	-0.0455	-0.0138	-0.0057	0.0088	-0.0084
-0.0046	0.0203	0.0177	0.0178	-0.0259	-0.0324	0.0147	
0.0477	0.0198	-0.0080	-0.0398	-0.0247	0.0135	0.0356	0.0005
-0.0047	-0.0141	0.0023	0.0182	-0.0662	-0.0537	0.0177	

Columns 796 through 810

0.0238	0.0288	-0.0042	-0.0208	0.0167	-0.0435	0.0018	0.0178
0.0014	-0.0059	-0.0526	-0.0211	0.0205	-0.0300	-0.0078	
0.0231	0.0463	-0.0291	-0.0440	-0.0107	0.0049	0.0029	0.0307
-0.0270	-0.0178	-0.0119	0.0168	-0.0114	-0.0418	0.0007	
-0.0018	0.0308	-0.0230	-0.0402	-0.0083	0.0541	0.0164	0.0170
-0.0261	0.0056	0.0246	0.0306	-0.0271	-0.0280	0.0122	

Columns 811 through 825

-0.0049	-0.0010	0.0011	-0.0122	0.0068	-0.0064	0.0048	-0.0375
-0.0109	-0.0091	-0.0396	-0.0306	-0.0168	0.0235	-0.0419	
-0.0274	-0.0017	0.0135	-0.0058	-0.0439	-0.0053	-0.0023	0.0261
0.0226	-0.0057	0.0137	-0.0342	-0.0170	0.0337	0.0154	
-0.0168	-0.0028	0.0091	-0.0038	-0.0560	0.0067	-0.0033	0.0529
0.0377	-0.0011	0.0406	-0.0167	-0.0102	0.0153	0.0423	

Columns 826 through 840

-0.0077	0.0056	-0.0237	-0.0286	0.0178	0.0248	0.0109	0.0304
-0.0241	0.0138	-0.0276	0.0236	0.0100	0.0112	-0.0281	

Assignment 1

Sai Rohith Tanuku

0.0045	0.0085	-0.0350	0.0080	0.0034	0.0135	0.0110	0.0372
-0.0382	0.0014	-0.0044	-0.0016	-0.0046	0.0318	-0.0002	
0.0020	0.0014	-0.0344	0.0296	0.0058	-0.0094	0.0053	0.0210
-0.0437	-0.0238	0.0028	-0.0085	-0.0225	0.0200	0.0254	

Columns 841 through 855

0.0182	-0.0105	0.0057	0.0220	-0.0027	0.0049	-0.0077	0.0156
-0.0046	0.0260	0.0324	0.0244	-0.0021	-0.0097	-0.0342	
-0.0122	0.0085	0.0035	0.0069	-0.0046	-0.0141	0.0185	0.0542
0.0021	0.0394	-0.0191	0.0052	0.0097	-0.0015	-0.0447	
-0.0363	0.0183	0.0070	-0.0172	-0.0038	-0.0328	0.0354	0.0654
-0.0002	0.0195	-0.0296	-0.0048	0.0167	0.0237	-0.0294	

Columns 856 through 870

0.0098	0.0553	0.0058	-0.0191	0.0126	-0.0088	-0.0272	-0.0374
-0.0003	-0.0404	-0.0053	-0.0194	-0.0077	0.0148	-0.0174	
0.0133	0.0297	-0.0032	-0.0039	-0.0264	-0.0190	0.0004	-0.0185
0.0099	0.0432	-0.0036	0.0080	-0.0174	0.0319	-0.0330	
0.0044	-0.0083	-0.0180	0.0032	-0.0478	-0.0191	0.0301	0.0142
0.0135	0.0789	0.0079	0.0223	-0.0062	0.0220	-0.0291	

Columns 871 through 885

-0.0028	-0.0210	0.0637	0.0278	-0.0094	-0.0072	0.0076	-0.0165
-0.0108	0.0354	-0.0144	0.0347	0.0161	0.0009	-0.0488	
0.0119	-0.0096	0.0222	0.0108	0.0177	0.0656	-0.0008	-0.0069
0.0674	-0.0068	0.0051	-0.0250	0.0396	0.0095	-0.0102	
0.0223	0.0143	-0.0296	-0.0064	0.0456	0.0787	0.0036	0.0037
0.0913	-0.0259	0.0134	-0.0629	0.0423	0.0114	0.0152	

Columns 886 through 900

0.0390	-0.0172	-0.0006	0.0111	-0.0006	0.0168	0.0030	-0.0134
0.0130	0.0249	0.0117	0.0212	0.0035	-0.0331	-0.0007	
0.0185	-0.0013	0.0485	-0.0492	-0.0274	0.0262	-0.0138	-0.0294
-0.0306	-0.0170	-0.0058	-0.0122	-0.0150	-0.0101	-0.0258	
0.0037	0.0097	0.0677	-0.0634	-0.0211	0.0272	-0.0173	-0.0395
-0.0440	-0.0406	-0.0151	-0.0310	-0.0159	0.0215	-0.0317	

Columns 901 through 915

-0.0349	0.0043	-0.0355	-0.0130	0.0104	-0.0017	0.0359	-0.0275
0.0084	0.0106	0.0227	0.0075	0.0373	-0.0096	0.0058	
0.0118	-0.0059	0.0285	-0.0207	-0.0210	-0.0172	0.0303	0.0349
-0.0171	0.0139	0.0282	-0.0205	-0.0034	-0.0309	-0.0042	
0.0314	0.0040	0.0558	-0.0209	-0.0230	-0.0203	0.0057	0.0759
-0.0459	0.0114	0.0208	-0.0190	-0.0322	-0.0152	-0.0051	

Columns 916 through 930

0.0177	-0.0266	0.0006	-0.0443	-0.0134	0.0107	0.0213	-0.0373
0.0042	-0.0085	0.0097	-0.0025	-0.0376	-0.0005	0.0304	
0.0323	0.0166	0.0605	-0.0063	-0.0305	0.0338	0.0421	-0.0240
0.0003	0.0058	0.0084	0.0200	-0.0182	-0.0136	0.0220	
0.0277	0.0453	0.0741	0.0284	-0.0040	0.0228	0.0370	0.0012
-0.0081	0.0042	-0.0007	0.0284	0.0035	-0.0259	0.0119	

Columns 931 through 945

-0.0122	-0.0306	-0.0365	0.0164	0.0073	-0.0092	0.0096	0.0288
0.0100	-0.0135	-0.0246	-0.0224	0.0186	0.0141	-0.0122	
-0.0089	0.0327	-0.0172	0.0026	-0.0114	-0.0246	0.0092	0.0131
-0.0012	0.0231	0.0078	-0.0370	-0.0086	-0.0083	-0.0074	
0.0103	0.0672	0.0020	-0.0251	-0.0128	-0.0183	0.0107	0.0024
-0.0366	0.0474	0.0292	-0.0225	-0.0162	-0.0348	0.0043	

Columns 946 through 960

0.0250	0.0209	-0.0178	-0.0272	0.0253	-0.0032	0.0171	0.0209
-0.0094	0.0308	-0.0188	0.0011	0.0120	-0.0057	-0.0394	
0.0337	0.0432	-0.0044	0.0099	0.0469	0.0106	0.0366	0.0266
-0.0091	0.0226	0.0232	0.0029	0.0039	-0.0051	-0.0274	
0.0163	0.0383	0.0208	0.0293	0.0403	0.0180	0.0232	0.0107
-0.0131	-0.0034	0.0613	0.0130	-0.0115	-0.0052	-0.0080	

Columns 961 through 975

0.0119	-0.0014	-0.0247	-0.0227	-0.0139	-0.0024	-0.0025	0.0065
-0.0005	0.0003	0.0140	0.0309	0.0034	0.0225	-0.0004	
0.0442	-0.0016	0.0462	0.0011	0.0151	0.0323	0.0634	0.0131
-0.0255	0.0032	-0.0286	0.0083	0.0092	0.0206	0.0261	
0.0407	-0.0062	0.0619	0.0309	0.0326	0.0350	0.0741	0.0136
-0.0345	-0.0100	-0.0444	-0.0088	0.0094	-0.0114	0.0235	

Columns 976 through 990

0.0070	0.0009	0.0035	-0.0062	-0.0293	0.0316	0.0006	0.0128
0.0084	0.0022	0.0088	-0.0015	-0.0120	-0.0002	-0.0027	
-0.0241	0.0142	-0.0216	0.0101	0.0291	0.0008	-0.0206	-0.0124
0.0136	0.0253	0.0331	-0.0056	0.0114	-0.0101	0.0198	
-0.0546	0.0087	-0.0401	0.0130	0.0487	-0.0330	-0.0357	-0.0276
0.0043	0.0214	0.0143	-0.0108	0.0314	-0.0072	0.0097	

Columns 991 through 1,005

-0.0111	-0.0075	0.0368	0.0271	-0.0529	0.0101	-0.0112	-0.0198
0.0385	-0.0176	0.0047	-0.0021	0.0062	-0.0065	0.0206	
-0.0065	-0.0061	0.0451	0.0400	0.0017	-0.0091	0.0011	0.0225
-0.0079	-0.0050	-0.0097	0.0135	-0.0021	0.0113	0.0438	
-0.0003	0.0048	0.0093	0.0365	0.0417	-0.0079	0.0046	0.0543
-0.0322	0.0122	-0.0159	0.0185	0.0101	0.0071	0.0310	

Columns 1,006 through 1,020

-0.0196	0.0052	-0.0076	-0.0193	-0.0367	0.0195	0.0084	0.0001
-0.0308	0.0178	-0.0055	-0.0408	0.0001	-0.0184	-0.0051	
-0.0128	0.0026	0.0048	0.0171	-0.0079	0.0225	-0.0210	0.0040
0.0080	0.0393	0.0160	-0.0366	0.0073	-0.0136	-0.0123	
0.0002	0.0001	0.0070	0.0291	0.0103	0.0175	-0.0406	0.0126
0.0344	0.0268	0.0261	-0.0081	0.0059	-0.0069	-0.0145	

Columns 1,021 through 1,035

0.0204	0.0092	0.0143	-0.0161	-0.0395	0.0096	-0.0194	0.0159
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Assignment 1

Sai Rohith Tanuku

0.0146	-0.0371	0.0208	0.0290	-0.0429	-0.0129	0.0038	
-0.0027	-0.0248	-0.0171	-0.0354	-0.0106	0.0167	0.0169	-0.0066
0.0014	-0.0015	0.0027	0.0286	0.0099	0.0012	0.0206	
-0.0213	-0.0409	-0.0419	-0.0388	0.0258	0.0214	0.0498	-0.0247
-0.0086	0.0335	-0.0248	0.0023	0.0502	0.0210	0.0254	

Columns 1,036 through 1,050

-0.0040	-0.0290	-0.0249	-0.0108	-0.0258	-0.0210	0.0115	0.0369
-0.0334	0.0256	0.0566	0.0005	-0.0031	0.0207	-0.0013	
-0.0076	-0.0425	-0.0593	-0.0303	-0.0016	-0.0076	0.0018	0.0105
-0.0191	-0.0074	0.0187	0.0240	0.0492	0.0149	0.0029	
-0.0064	-0.0200	-0.0462	-0.0152	0.0273	0.0183	0.0066	-0.0168
0.0085	-0.0276	-0.0316	0.0317	0.0522	0.0030	0.0059	

Columns 1,051 through 1,065

-0.0326	0.0040	-0.0065	-0.0152	0.0374	0.0273	0.0244	0.0242
-0.0250	-0.0260	-0.0322	0.0244	0.0093	-0.0212	-0.0072	
-0.0163	0.0070	-0.0133	-0.0486	-0.0012	0.0124	-0.0087	0.0111
0.0396	0.0074	0.0035	-0.0272	-0.0169	0.0131	0.0090	
0.0117	0.0140	-0.0191	-0.0465	-0.0347	-0.0176	-0.0303	-0.0119
0.0841	0.0189	0.0234	-0.0330	-0.0317	0.0292	0.0173	

Columns 1,066 through 1,080

0.0141	0.0287	-0.0414	-0.0570	0.0246	-0.0306	0.0058	0.0110
0.0295	0.0251	0.0106	0.0223	0.0067	0.0256	0.0043	
0.0056	0.0014	0.0235	-0.0131	-0.0123	-0.0091	-0.0043	0.0167
0.0169	0.0269	0.0169	-0.0140	0.0103	-0.0010	-0.0274	
-0.0029	-0.0347	0.0657	0.0277	-0.0339	0.0161	-0.0103	0.0042
-0.0041	0.0177	0.0203	-0.0429	0.0126	-0.0320	-0.0309	

Columns 1,081 through 1,095

0.0023	-0.0277	0.0094	0.0087	-0.0121	0.0089	0.0224	0.0451
0.0099	-0.0180	-0.0164	0.0155	-0.0345	0.0063	-0.0152	
-0.0133	0.0164	-0.0070	0.0359	0.0079	-0.0038	0.0076	0.0039
0.0069	0.0203	-0.0138	0.0014	0.0203	0.0224	0.0164	
-0.0327	0.0417	-0.0211	0.0314	0.0165	-0.0080	-0.0040	-0.0317
-0.0011	0.0433	-0.0054	-0.0219	0.0396	0.0196	0.0313	

Columns 1,096 through 1,110

-0.0075	0.0474	0.0141	-0.0463	0.0115	0.0147	-0.0085	-0.0045
-0.0054	-0.0028	0.0254	0.0121	0.0182	0.0132	-0.0313	
-0.0209	-0.0102	-0.0025	-0.0161	-0.0253	-0.0283	0.0178	-0.0083
0.0220	-0.0416	0.0090	-0.0017	-0.0097	0.0252	-0.0087	
-0.0179	-0.0569	-0.0240	0.0161	-0.0291	-0.0407	0.0233	0.0033
0.0073	-0.0354	-0.0166	-0.0155	-0.0223	0.0290	0.0299	

Columns 1,111 through 1,125

-0.0002	0.0053	0.0378	0.0165	-0.0319	-0.0135	0.0270	-0.0202
0.0221	0.0073	0.0168	-0.0039	0.0104	0.0144	0.0047	
0.0293	-0.0117	-0.0293	-0.0484	-0.0075	0.0202	0.0087	0.0078
0.0190	-0.0216	0.0315	-0.0222	-0.0026	-0.0079	-0.0073	
0.0413	-0.0301	-0.0631	-0.0642	0.0227	0.0307	-0.0132	0.0347

Assignment 1

Sai Rohith Tanuku

0.0019 -0.0224 0.0173 -0.0225 -0.0165 -0.0229 -0.0222

Columns 1,126 through 1,140

-0.0436 0.0430 -0.0196 0.0060 -0.0105 -0.0259 0.0247 -0.0154
 0.0065 0.0180 0.0007 -0.0008 -0.0198 0.0111 0.0026
 -0.0419 0.0333 0.0121 0.0373 0.0293 -0.0048 -0.0239 -0.0356
 0.0017 0.0017 0.0212 -0.0219 0.0025 0.0206 -0.0192
 -0.0009 -0.0071 0.0328 0.0280 0.0404 0.0160 -0.0535 -0.0207
 -0.0034 -0.0191 0.0206 -0.0237 0.0087 0.0288 -0.0253

Columns 1,141 through 1,155

-0.0110 -0.0032 -0.0201 -0.0266 0.0145 0.0094 -0.0229 -0.0554
 -0.0368 -0.0024 0.0115 -0.0241 0.0272 0.0061 0.0211
 0.0197 0.0084 0.0009 0.0401 0.0169 0.0016 0.0043 -0.0127
 -0.0071 0.0068 0.0036 -0.0077 0.0118 0.0393 -0.0010
 0.0348 0.0146 0.0266 0.0688 0.0070 -0.0040 0.0259 0.0282
 0.0191 0.0067 0.0079 0.0247 -0.0108 0.0343 -0.0170

Columns 1,156 through 1,170

-0.0261 0.0320 -0.0099 -0.0071 -0.0025 0.0038 0.0232 0.0195
 -0.0016 0.0364 0.0327 -0.0065 -0.0161 -0.0323 0.0080
 -0.0184 0.0020 -0.0302 -0.0125 0.0137 -0.0069 -0.0093 0.0038
 -0.0349 -0.0049 -0.0229 -0.0128 -0.0240 -0.0359 0.0019
 0.0098 -0.0232 -0.0407 -0.0113 0.0204 -0.0149 -0.0298 -0.0029
 -0.0415 -0.0288 -0.0499 -0.0087 -0.0100 -0.0251 0.0019

Columns 1,171 through 1,185

0.0274 0.0419 0.0092 0.0076 -0.0037 -0.0199 -0.0112 -0.0053
 -0.0049 0.0240 -0.0043 0.0152 0.0192 0.0076 -0.0102
 -0.0095 0.0080 -0.0043 -0.0244 0.0128 -0.0471 -0.0147 -0.0189
 -0.0050 -0.0310 -0.0003 -0.0217 -0.0146 -0.0493 0.0137
 -0.0221 -0.0254 -0.0246 -0.0370 0.0068 -0.0422 -0.0103 -0.0023
 0.0019 -0.0593 0.0154 -0.0436 -0.0243 -0.0644 0.0262

Columns 1,186 through 1,200

0.0434 -0.0186 0.0266 0.0305 0.0342 0.0126 0.0286 0.0333
 -0.0230 -0.0097 0.0214 -0.0326 -0.0040 -0.0064 -0.0035
 0.0479 0.0380 0.0012 0.0116 -0.0028 -0.0034 -0.0157 -0.0247
 -0.0009 -0.0392 -0.0394 0.0383 0.0026 0.0085 0.0087
 0.0121 0.0496 -0.0142 -0.0064 -0.0304 -0.0209 -0.0413 -0.0438
 0.0219 -0.0440 -0.0618 0.0612 0.0139 0.0153 -0.0033

Columns 1,201 through 1,215

-0.0148 0.0275 0.0244 0.0187 -0.0058 -0.0159 -0.0067 0.0464
 0.0089 0.0359 -0.0195 -0.0422 0.0096 -0.0384 0.0053
 -0.0363 0.0219 0.0178 0.0072 -0.0127 -0.0168 0.0253 -0.0120
 -0.0174 0.0206 0.0381 -0.0184 -0.0145 -0.0133 0.0375
 -0.0236 0.0079 0.0010 -0.0059 -0.0228 -0.0071 0.0426 -0.0532
 -0.0275 -0.0094 0.0616 0.0132 -0.0284 0.0034 0.0479

Columns 1,216 through 1,230

Assignment 1

Sai Rohith Tanuku

-0.0198	-0.0247	-0.0099	-0.0122	0.0158	-0.0374	0.0220	0.0015
0.0195	-0.0288	-0.0121	-0.0279	-0.0163	0.0257	0.0094	
0.0070	-0.0013	-0.0082	0.0047	-0.0011	0.0205	-0.0271	0.0022
0.0383	-0.0189	-0.0009	-0.0209	0.0064	-0.0070	0.0194	
0.0141	0.0166	0.0063	0.0089	-0.0164	0.0505	-0.0478	0.0001
0.0309	0.0011	0.0228	0.0051	0.0347	-0.0357	0.0267	

Columns 1,231 through 1,245

-0.0007	0.0140	-0.0184	0.0079	0.0159	0.0231	0.0202	0.0129
0.0186	-0.0067	0.0120	0.0301	0.0234	-0.0197	-0.0281	
-0.0184	0.0029	-0.0269	-0.0059	-0.0260	0.0011	0.0729	0.0636
0.0391	0.0132	-0.0337	-0.0131	-0.0104	0.0033	-0.0009	
-0.0183	-0.0098	-0.0233	-0.0123	-0.0510	-0.0152	0.0534	0.0455
0.0364	0.0172	-0.0536	-0.0444	-0.0317	0.0155	0.0164	

Columns 1,246 through 1,260

0.0145	-0.0082	0.0007	0.0155	-0.0028	0.0388	0.0399	0.0072
0.0533	-0.0018	0.0321	0.0387	0.0144	0.0074	-0.0030	
-0.0120	-0.0081	-0.0273	-0.0033	0.0259	0.0193	0.0157	0.0127
0.0182	-0.0510	0.0053	-0.0060	-0.0447	-0.0188	-0.0160	
-0.0408	-0.0011	-0.0365	-0.0221	0.0316	-0.0088	-0.0122	0.0049
-0.0287	-0.0675	-0.0219	-0.0421	-0.0627	-0.0181	-0.0225	

Columns 1,261 through 1,275

-0.0391	-0.0003	-0.0002	-0.0070	-0.0114	0.0066	0.0005	0.0238
0.0062	0.0150	-0.0474	-0.0019	0.0333	0.0206	0.0150	
0.0218	-0.0086	-0.0130	-0.0110	-0.0427	-0.0107	-0.0213	0.0236
0.0336	0.0008	0.0190	0.0309	-0.0193	-0.0094	0.0057	
0.0660	-0.0122	-0.0311	0.0031	-0.0304	-0.0299	-0.0238	-0.0003
0.0260	-0.0058	0.0613	0.0444	-0.0433	-0.0387	-0.0089	

Columns 1,276 through 1,290

-0.0071	-0.0456	0.0116	0.0016	0.0184	-0.0010	-0.0082	-0.0171
-0.0046	0.0229	-0.0039	-0.0296	0.0043	0.0094	-0.0406	
0.0103	0.0057	0.0127	0.0116	-0.0201	0.0309	-0.0419	-0.0231
0.0344	-0.0326	0.0253	-0.0005	-0.0262	-0.0194	-0.0287	
0.0171	0.0433	0.0001	0.0080	-0.0523	0.0551	-0.0301	-0.0054
0.0491	-0.0748	0.0478	-0.0019	-0.0387	-0.0288	-0.0068	

Columns 1,291 through 1,305

-0.0458	-0.0068	-0.0355	0.0155	0.0319	0.0154	0.0196	0.0083
0.0152	0.0226	0.0098	-0.0137	-0.0046	0.0358	0.0063	
0.0015	0.0095	-0.0188	-0.0273	-0.0064	0.0029	-0.0131	-0.0194
-0.0147	0.0034	-0.0526	-0.0131	0.0111	0.0026	-0.0003	
0.0398	0.0299	0.0177	-0.0383	-0.0373	-0.0050	-0.0350	-0.0418
-0.0223	-0.0269	-0.0709	-0.0154	0.0133	-0.0134	-0.0057	

Columns 1,306 through 1,320

-0.0109	0.0027	-0.0143	0.0242	-0.0217	-0.0282	-0.0041	0.0084
-0.0100	0.0159	-0.0196	0.0396	0.0396	0.0163	0.0408	
-0.0057	-0.0170	-0.0005	0.0142	-0.0316	0.0190	0.0517	0.0043
0.0004	-0.0274	-0.0001	-0.0187	0.0370	0.0084	0.0092	

Assignment 1

Sai Rohith Tanuku

-0.0063	-0.0243	0.0136	-0.0041	-0.0224	0.0493	0.0854	-0.0063
0.0105	-0.0472	0.0094	-0.0524	0.0022	-0.0102	-0.0278	

Columns 1,321 through 1,335

-0.0150	-0.0068	-0.0176	-0.0247	0.0019	0.0269	-0.0208	-0.0075
0.0165	-0.0011	-0.0117	-0.0082	0.0113	-0.0001	0.0083	
-0.0129	-0.0494	-0.0218	-0.0111	0.0638	0.0219	0.0029	-0.0190
0.0057	0.0413	-0.0018	0.0263	-0.0078	-0.0153	-0.0077	
-0.0028	-0.0480	-0.0019	-0.0049	0.0769	0.0020	0.0204	-0.0195
-0.0075	0.0643	0.0132	0.0225	-0.0022	-0.0228	-0.0248	

Columns 1,336 through 1,350

-0.0068	0.0019	0.0046	-0.0141	-0.0039	0.0113	-0.0305	0.0411
0.0243	0.0513	-0.0423	-0.0069	-0.0301	0.0115	0.0147	
-0.0421	0.0079	-0.0016	-0.0051	0.0026	0.0258	0.0194	-0.0142
0.0079	0.0328	-0.0266	-0.0331	-0.0057	0.0166	0.0522	
-0.0379	0.0024	-0.0095	0.0022	-0.0071	0.0192	0.0530	-0.0601
-0.0075	0.0072	0.0145	-0.0382	0.0273	0.0202	0.0534	

Columns 1,351 through 1,365

0.0276	0.0199	-0.0189	0.0327	-0.0406	0.0189	-0.0262	0.0038
0.0062	0.0244	0.0274	0.0031	0.0218	-0.0312	0.0240	
0.0200	-0.0107	-0.0330	0.0511	0.0564	-0.0007	-0.0078	-0.0162
0.0190	0.0094	0.0359	-0.0289	-0.0006	-0.0136	0.0334	
-0.0038	-0.0324	-0.0345	0.0385	0.0981	-0.0238	0.0202	-0.0077
0.0122	-0.0114	0.0209	-0.0426	-0.0278	0.0171	0.0170	

Columns 1,366 through 1,380

0.0217	-0.0131	0.0118	0.0207	0.0048	0.0071	-0.0162	0.0094
-0.0187	0.0154	0.0004	-0.0048	0.0490	-0.0018	0.0120	
-0.0141	-0.0145	0.0052	0.0129	0.0039	-0.0083	-0.0031	-0.0188
0.0101	-0.0105	-0.0409	-0.0399	-0.0006	0.0168	0.0029	
-0.0386	-0.0142	0.0056	-0.0150	-0.0057	-0.0034	0.0229	-0.0259
0.0287	-0.0432	-0.0491	-0.0364	-0.0493	0.0213	-0.0097	

Columns 1,381 through 1,395

0.0205	-0.0235	-0.0155	0.0137	-0.0023	0.0335	0.0230	-0.0407
-0.0460	-0.0044	0.0051	0.0106	0.0173	0.0010	-0.0037	
-0.0331	-0.0312	0.0080	-0.0044	-0.0176	0.0310	-0.0144	-0.0104
0.0029	0.0275	-0.0270	0.0247	0.0620	-0.0438	0.0250	
-0.0555	-0.0075	0.0139	-0.0196	-0.0250	0.0019	-0.0356	0.0172
0.0434	0.0428	-0.0419	0.0317	0.0511	-0.0580	0.0449	

Columns 1,396 through 1,410

-0.0601	0.0035	-0.0150	0.0186	0.0248	-0.0014	-0.0229	0.0086
-0.0066	-0.0294	0.0200	0.0234	0.0098	0.0253	0.0085	
-0.0246	-0.0076	-0.0120	0.0146	0.0662	-0.0243	0.0148	-0.0118
0.0339	-0.0062	0.0086	0.0172	0.0052	0.0332	-0.0062	
0.0157	-0.0021	0.0078	0.0006	0.0608	-0.0311	0.0416	-0.0208
0.0344	0.0060	-0.0001	-0.0015	0.0008	0.0187	-0.0172	

Columns 1,411 through 1,425

-0.0141	0.0097	-0.0143	0.0417	-0.0108	0.0286	-0.0100	0.0112
-0.0150	-0.0097	-0.0037	0.0081	-0.0149	-0.0215	0.0101	
-0.0191	0.0125	0.0339	-0.0100	-0.0177	0.0239	-0.0491	0.0002
0.0068	0.0114	-0.0279	0.0112	0.0043	0.0106	0.0245	
-0.0015	0.0102	0.0504	-0.0374	-0.0197	-0.0012	-0.0493	-0.0235
0.0132	0.0281	-0.0365	0.0146	0.0216	0.0238	0.0254	

Columns 1,426 through 1,440

0.0276	0.0052	0.0433	0.0067	-0.0010	-0.0150	-0.0345	0.0084
-0.0089	-0.0057	0.0308	0.0014	0.0128	0.0134	0.0216	
-0.0128	0.0290	0.0022	-0.0173	0.0079	0.0119	0.0184	0.0225
0.0068	0.0468	-0.0218	-0.0064	-0.0004	-0.0034	0.0389	
-0.0462	0.0199	-0.0380	-0.0249	0.0257	0.0215	0.0674	0.0186
0.0210	0.0490	-0.0408	-0.0057	-0.0119	-0.0220	0.0267	

Columns 1,441 through 1,455

-0.0096	-0.0612	0.0173	0.0198	0.0124	-0.0069	-0.0386	0.0599
0.0418	-0.0004	-0.0276	0.0507	-0.0170	-0.0427	-0.0191	
-0.0092	-0.0103	0.0080	0.0211	-0.0161	0.0022	-0.0471	0.0349
-0.0267	-0.0153	-0.0018	-0.0208	-0.0215	-0.0482	-0.0607	
-0.0132	0.0431	-0.0026	0.0071	-0.0307	0.0021	-0.0240	0.0115
-0.0763	-0.0171	0.0183	-0.0695	-0.0059	-0.0229	-0.0572	

Columns 1,456 through 1,470

0.0337	0.0149	-0.0159	-0.0111	-0.0075	-0.0028	-0.0144	0.0304
-0.0152	0.0377	0.0223	-0.0007	-0.0246	0.0161	0.0098	
-0.0089	0.0388	-0.0082	0.0010	-0.0144	0.0441	0.0032	0.0324
0.0130	-0.0031	0.0453	0.0257	-0.0047	0.0226	0.0495	
-0.0484	0.0392	0.0032	0.0178	-0.0001	0.0588	0.0259	0.0082
0.0339	-0.0385	0.0464	0.0323	0.0174	0.0029	0.0532	

Columns 1,471 through 1,485

-0.0189	-0.0134	-0.0172	-0.0086	0.0079	-0.0187	-0.0186	-0.0277
-0.0014	0.0026	-0.0231	0.0069	-0.0067	-0.0010	-0.0450	
0.0067	-0.0106	0.0062	-0.0021	0.0122	-0.0035	0.0081	0.0154
-0.0070	0.0068	-0.0274	-0.0383	-0.0249	-0.0166	-0.0168	
0.0336	-0.0027	0.0214	-0.0027	0.0002	0.0168	0.0203	0.0374
-0.0161	0.0079	-0.0063	-0.0598	-0.0134	-0.0071	0.0145	

Columns 1,486 through 1,500

-0.0495	-0.0336	-0.0068	0.0347	0.0340	-0.0019	0.0287	0.0135
-0.0100	-0.0047	0.0404	0.0037	0.0154	0.0012	-0.0097	
-0.0424	0.0383	-0.0146	-0.0402	-0.0164	0.0105	-0.0166	-0.0174
0.0083	-0.0101	0.0116	-0.0161	-0.0178	-0.0430	0.0159	
-0.0027	0.0647	-0.0373	-0.0732	-0.0435	0.0251	-0.0273	-0.0390
0.0045	-0.0122	-0.0159	-0.0155	-0.0398	-0.0599	0.0341	

Columns 1,501 through 1,515

0.0082	0.0028	-0.0265	-0.0251	-0.0042	-0.0148	0.0295	0.0056
-0.0147	-0.0069	0.0193	-0.0461	0.0253	0.0030	0.0235	

Assignment 1

Sai Rohith Tanuku

-0.0118	0.0046	0.0288	0.0174	0.0039	-0.0187	-0.0136	-0.0058
0.0206	-0.0125	0.0049	0.0081	0.0308	-0.0392	0.0176	
-0.0226	-0.0095	0.0591	0.0381	0.0126	-0.0124	-0.0319	-0.0195
0.0364	-0.0113	-0.0060	0.0499	0.0190	-0.0527	0.0076	

Columns 1,516 through 1,530

0.0508	-0.0069	-0.0319	-0.0077	0.0421	0.0345	-0.0215	0.0201
-0.0298	0.0211	0.0002	0.0199	0.0195	0.0097	-0.0307	
0.0066	0.0006	0.0075	-0.0042	0.0011	0.0150	0.0053	0.0028
0.0096	-0.0325	-0.0107	-0.0617	0.0192	-0.0240	-0.0105	
-0.0415	0.0112	0.0288	0.0066	-0.0231	-0.0101	0.0229	-0.0101
0.0329	-0.0554	0.0001	-0.0811	0.0085	-0.0377	0.0147	

Columns 1,531 through 1,545

-0.0030	-0.0091	-0.0260	0.0241	0.0315	-0.0180	-0.0103	-0.0167
0.0168	-0.0190	-0.0145	0.0280	0.0029	-0.0203	-0.0223	
0.0336	-0.0042	-0.0090	-0.0124	-0.0080	0.0030	-0.0398	-0.0167
0.0140	-0.0335	0.0091	0.0151	-0.0159	-0.0263	-0.0154	
0.0498	-0.0003	0.0170	-0.0317	-0.0426	0.0118	-0.0385	-0.0153
-0.0047	-0.0192	0.0192	-0.0115	-0.0167	-0.0019	-0.0173	

Columns 1,546 through 1,560

-0.0498	0.0009	0.0211	0.0364	0.0004	-0.0207	-0.0279	0.0189
0.0152	-0.0018	-0.0108	-0.0059	-0.0327	0.0072	0.0093	
0.0074	0.0141	0.0316	-0.0133	0.0127	-0.0203	-0.0012	-0.0289
0.0332	0.0033	0.0163	0.0333	-0.0259	0.0346	-0.0023	
0.0482	0.0155	0.0266	-0.0392	0.0131	-0.0083	0.0368	-0.0453
0.0290	0.0048	0.0231	0.0420	0.0040	0.0489	-0.0136	

Columns 1,561 through 1,575

-0.0535	-0.0009	-0.0077	-0.0474	-0.0166	0.0315	0.0023	0.0057
0.0156	-0.0051	0.0268	-0.0056	-0.0145	-0.0007	0.0173	
0.0135	0.0104	0.0175	-0.0339	0.0123	0.0165	0.0627	0.0149
0.0597	0.0002	0.0054	0.0144	-0.0167	0.0205	0.0052	
0.0619	-0.0007	0.0260	-0.0038	0.0438	-0.0038	0.0593	-0.0007
0.0569	-0.0030	-0.0203	0.0221	-0.0082	0.0166	-0.0038	

Columns 1,576 through 1,590

0.0091	0.0566	0.0268	-0.0000	-0.0158	-0.0052	0.0205	-0.0044
-0.0148	-0.0175	-0.0100	-0.0115	-0.0086	-0.0051	-0.0294	
-0.0255	0.0295	-0.0286	-0.0557	-0.0069	-0.0200	-0.0063	0.0041
-0.0196	-0.0048	-0.0053	-0.0332	-0.0209	-0.0470	-0.0157	
-0.0323	-0.0152	-0.0523	-0.0741	-0.0039	-0.0155	-0.0148	0.0159
-0.0145	0.0124	-0.0061	-0.0313	-0.0083	-0.0464	0.0059	

Columns 1,591 through 1,605

-0.0007	0.0146	-0.0006	-0.0012	0.0211	-0.0005	0.0582	0.0149
-0.0532	-0.0187	0.0067	0.0050	-0.0010	0.0198	-0.0139	
0.0002	0.0097	0.0065	0.0185	0.0242	0.0357	-0.0043	-0.0164
-0.0086	0.0013	0.0374	0.0125	-0.0108	-0.0026	0.0078	
-0.0124	0.0189	0.0035	0.0272	0.0074	0.0518	-0.0528	-0.0303
0.0351	0.0347	0.0388	-0.0078	-0.0226	-0.0164	0.0191	

Columns 1,606 through 1,620

-0.0480	0.0071	-0.0072	-0.0045	-0.0296	-0.0135	-0.0075	0.0094
-0.0099	0.0276	-0.0078	0.0206	-0.0641	-0.0069	0.0099	
-0.0281	0.0019	-0.0190	-0.0056	0.0184	-0.0041	0.0221	-0.0293
0.0086	-0.0174	0.0092	0.0083	0.0251	0.0204	0.0067	
0.0051	-0.0009	-0.0200	-0.0088	0.0436	-0.0098	0.0284	-0.0495
0.0235	-0.0425	0.0184	-0.0106	0.0880	0.0254	-0.0097	

Columns 1,621 through 1,635

0.0207	-0.0128	0.0134	0.0359	-0.0260	-0.0016	0.0180	-0.0266
-0.0005	0.0135	-0.0302	-0.0287	0.0239	0.0061	-0.0110	
0.0065	0.0033	-0.0278	-0.0047	-0.0411	0.0132	0.0173	0.0045
-0.0042	-0.0051	0.0356	0.0210	-0.0117	0.0141	-0.0180	
0.0024	0.0290	-0.0275	-0.0362	-0.0249	0.0092	-0.0017	0.0328
-0.0002	-0.0266	0.0689	0.0434	-0.0382	0.0187	-0.0022	

Columns 1,636 through 1,650

0.0128	-0.0270	-0.0021	-0.0025	0.0164	-0.0222	-0.0012	-0.0223
0.0134	-0.0214	-0.0121	0.0188	0.0019	-0.0070	0.0096	
0.0056	-0.0038	0.0136	-0.0377	0.0057	-0.0125	0.0009	-0.0072
0.0235	0.0039	-0.0044	0.0379	-0.0026	-0.0161	-0.0217	
-0.0097	0.0044	0.0112	-0.0421	-0.0152	0.0146	0.0106	-0.0080
0.0275	0.0326	-0.0091	0.0240	0.0055	0.0022	-0.0294	

Columns 1,651 through 1,665

0.0280	0.0431	0.0538	-0.0340	-0.0141	0.0017	0.0129	-0.0015
0.0109	0.0038	0.0130	0.0443	0.0188	-0.0118	-0.0051	
-0.0170	-0.0050	0.0426	-0.0452	0.0106	-0.0377	0.0314	-0.0125
-0.0023	-0.0085	-0.0153	0.0166	-0.0052	-0.0101	0.0090	
-0.0429	-0.0396	0.0198	-0.0143	0.0306	-0.0613	0.0276	-0.0063
-0.0157	-0.0019	-0.0297	-0.0059	-0.0246	0.0023	0.0003	

Columns 1,666 through 1,680

0.0027	0.0069	0.0058	0.0076	-0.0059	-0.0206	-0.0149	-0.0008
0.0056	0.0022	-0.0006	-0.0094	0.0080	-0.0404	0.0064	
0.0061	0.0437	-0.0195	0.0183	-0.0352	0.0124	-0.0080	-0.0037
0.0041	0.0103	0.0121	0.0096	0.0151	-0.0309	-0.0364	
-0.0016	0.0429	-0.0391	0.0074	-0.0220	0.0324	-0.0086	0.0009
-0.0116	0.0006	0.0039	0.0202	0.0101	-0.0078	-0.0570	

Columns 1,681 through 1,695

-0.0095	-0.0011	0.0186	0.0073	0.0416	-0.0053	0.0142	-0.0289
-0.0186	0.0092	0.0110	0.0091	-0.0100	-0.0467	0.0018	
-0.0088	-0.0104	0.0383	-0.0063	-0.0116	0.0507	-0.0124	0.0496
0.0219	-0.0054	-0.0029	0.0004	0.0044	0.0016	-0.0332	
-0.0027	-0.0234	0.0389	-0.0038	-0.0549	0.0465	-0.0264	0.0893
0.0431	-0.0088	-0.0146	-0.0040	0.0093	0.0222	-0.0350	

Columns 1,696 through 1,710

-0.0336	0.0352	-0.0150	0.0127	0.0184	-0.0095	-0.0178	0.0262
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Assignment 1

Sai Rohith Tanuku

0.0095	-0.0315	0.0127	0.0057	-0.0267	0.0110	0.0195	
0.0243	0.0450	-0.0028	0.0012	0.0021	0.0195	0.0253	0.0378
-0.0096	-0.0062	0.0214	0.0121	0.0197	-0.0023	0.0098	
0.0412	0.0390	0.0205	-0.0078	-0.0203	0.0425	0.0441	0.0273
-0.0215	0.0216	0.0153	0.0160	0.0430	-0.0016	-0.0095	

Columns 1,711 through 1,725

0.0032	-0.0276	0.0229	-0.0114	0.0140	0.0191	0.0155	-0.0073
-0.0104	-0.0126	0.0200	-0.0120	0.0149	-0.0085	-0.0300	
0.0035	0.0239	-0.0185	0.0116	0.0119	-0.0478	0.0227	0.0678
-0.0084	-0.0013	-0.0193	0.0199	0.0045	-0.0022	0.0298	
-0.0020	0.0472	-0.0327	0.0346	0.0087	-0.0673	0.0047	0.0862
-0.0017	0.0041	-0.0492	0.0440	0.0019	0.0062	0.0569	

Columns 1,726 through 1,740

0.0295	-0.0146	0.0231	0.0375	-0.0305	-0.0086	0.0049	0.0360
-0.0287	0.0199	-0.0133	0.0008	-0.0098	-0.0653	-0.0162	
-0.0111	-0.0176	-0.0052	-0.0040	0.0246	0.0340	-0.0062	0.0027
-0.0110	-0.0037	0.0368	0.0164	0.0091	0.0011	-0.0063	
-0.0346	-0.0090	-0.0321	-0.0428	0.0506	0.0356	0.0025	-0.0175
-0.0039	-0.0196	0.0465	-0.0010	0.0166	0.0560	0.0105	

Columns 1,741 through 1,755

0.0111	0.0097	0.0494	-0.0144	-0.0184	-0.0013	0.0317	-0.0095
-0.0150	0.0153	0.0137	0.0120	-0.0026	0.0014	0.0087	
0.0171	0.0278	0.0217	0.0268	0.0165	0.0198	0.0264	0.0201
-0.0169	0.0147	0.0475	-0.0122	0.0167	0.0096	0.0323	
0.0076	0.0230	-0.0089	0.0290	0.0379	0.0431	0.0136	0.0275
-0.0107	0.0159	0.0333	-0.0268	0.0168	0.0011	0.0236	

Columns 1,756 through 1,770

-0.0228	-0.0253	-0.0059	0.0015	-0.0294	0.0118	-0.0018	-0.0247
0.0008	0.0103	0.0069	0.0045	-0.0299	0.0043	0.0328	
-0.0014	-0.0608	-0.0243	0.0181	0.0010	0.0397	0.0342	-0.0046
-0.0024	-0.0258	0.0442	-0.0080	-0.0315	0.0131	0.0195	
0.0093	-0.0464	-0.0254	0.0244	0.0261	0.0280	0.0416	0.0055
-0.0074	-0.0305	0.0438	-0.0233	-0.0018	0.0132	0.0040	

Columns 1,771 through 1,785

0.0124	-0.0223	0.0381	-0.0370	-0.0248	0.0093	0.0262	-0.0204
0.0246	0.0011	0.0208	0.0244	0.0327	0.0127	0.0124	
-0.0057	0.0170	-0.0122	-0.0537	-0.0431	0.0170	-0.0142	0.0247
-0.0120	0.0027	-0.0221	0.0600	0.0027	0.0301	0.0062	
-0.0122	0.0464	-0.0482	-0.0432	-0.0259	0.0320	-0.0419	0.0608
-0.0181	0.0086	-0.0346	0.0591	-0.0250	0.0228	-0.0100	

Columns 1,786 through 1,800

0.0013	-0.0157	-0.0040	-0.0023	-0.0088	0.0685	0.0015	-0.0306
-0.0216	-0.0259	0.0034	-0.0516	-0.0082	-0.0161	-0.0194	
0.0141	-0.0321	0.0227	0.0463	-0.0486	0.0099	-0.0216	-0.0048
-0.0176	0.0197	0.0005	-0.0196	-0.0072	-0.0280	-0.0118	
0.0086	-0.0253	0.0239	0.0655	-0.0465	-0.0451	-0.0316	0.0177

Assignment 1

Sai Rohith Tanuku

0.0036 0.0598 -0.0145 0.0074 -0.0037 -0.0137 -0.0054

Columns 1,801 through 1,815

-0.0138 -0.0117 0.0168 0.0504 0.0364 0.0224 0.0101 0.0361
 -0.0100 -0.0205 0.0243 0.0103 0.0182 0.0135 -0.0083
 -0.0157 -0.0330 0.0068 -0.0018 0.0153 0.0112 0.0121 0.0129
 -0.0177 -0.0184 -0.0077 0.0359 0.0343 0.0014 -0.0042
 -0.0069 -0.0284 -0.0021 -0.0497 -0.0097 -0.0199 0.0025 -0.0368
 -0.0107 0.0012 -0.0377 0.0335 0.0240 -0.0081 0.0120

Columns 1,816 through 1,830

0.0092 0.0125 0.0285 0.0004 0.0070 0.0090 -0.0130 -0.0226
 -0.0232 0.0073 -0.0134 -0.0197 0.0184 0.0064 0.0259
 -0.0261 0.0145 0.0068 -0.0213 0.0061 -0.0258 0.0028 -0.0113
 0.0305 -0.0321 0.0080 -0.0075 0.0211 0.0279 0.0294
 -0.0306 0.0029 -0.0154 -0.0192 0.0120 -0.0237 0.0100 0.0035
 0.0513 -0.0440 0.0098 0.0017 0.0222 0.0348 0.0088

Columns 1,831 through 1,845

-0.0231 0.0128 -0.0062 -0.0400 0.0144 -0.0161 0.0540 -0.0116
 -0.0300 0.0121 0.0071 0.0210 0.0485 0.0199 -0.0052
 -0.0322 0.0297 -0.0343 -0.0225 -0.0009 0.0049 -0.0175 0.0131
 0.0107 -0.0081 0.0138 -0.0177 0.0284 -0.0052 0.0087
 -0.0196 0.0200 -0.0379 0.0168 -0.0025 0.0111 -0.0674 0.0310
 0.0430 -0.0314 0.0093 -0.0327 -0.0121 -0.0326 0.0078

Columns 1,846 through 1,860

-0.0041 0.0004 0.0046 0.0267 -0.0220 0.0096 0.0106 -0.0034
 0.0041 -0.0144 0.0082 0.0010 -0.0240 0.0036 -0.0239
 -0.0236 0.0154 0.0154 0.0405 0.0077 -0.0426 -0.0279 0.0113
 0.0314 -0.0057 -0.0038 0.0327 0.0022 0.0253 -0.0172
 -0.0231 0.0293 0.0085 0.0338 0.0391 -0.0574 -0.0442 0.0215
 0.0427 -0.0064 -0.0035 0.0189 0.0269 0.0294 -0.0020

Columns 1,861 through 1,875

-0.0458 -0.0059 0.0214 -0.0138 0.0039 -0.0035 -0.0119 0.0452
 -0.0453 -0.0071 0.0134 -0.0020 -0.0146 0.0162 0.0223
 -0.0458 0.0223 0.0006 0.0448 -0.0177 -0.0345 0.0242 0.0161
 -0.0375 -0.0122 0.0111 0.0187 0.0079 0.0204 0.0217
 -0.0231 0.0366 -0.0412 0.0666 -0.0285 -0.0325 0.0276 -0.0185
 -0.0068 -0.0060 0.0252 0.0159 0.0185 0.0198 0.0162

Columns 1,876 through 1,890

-0.0337 0.0022 0.0274 -0.0152 0.0099 -0.0038 0.0146 -0.0112
 0.0008 0.0257 0.0270 -0.0174 -0.0073 0.0096 0.0289
 -0.0289 0.0210 0.0124 -0.0090 -0.0094 -0.0182 -0.0144 0.0263
 0.0319 0.0534 0.0307 -0.0221 -0.0069 -0.0206 -0.0268
 -0.0074 0.0197 -0.0097 0.0025 -0.0249 -0.0306 -0.0255 0.0488
 0.0347 0.0310 0.0241 -0.0101 -0.0105 -0.0304 -0.0700

Columns 1,891 through 1,905

Assignment 1

Sai Rohith Tanuku

0.0190	0.0163	0.0289	-0.0128	-0.0010	-0.0003	0.0218	-0.0172
0.0340	-0.0083	0.0206	-0.0030	-0.0022	-0.0045	-0.0690	
-0.0185	-0.0009	0.0001	-0.0450	0.0021	0.0020	0.0238	-0.0006
0.0124	0.0428	0.0156	-0.0120	0.0463	-0.0454	-0.0153	
-0.0426	-0.0011	-0.0364	-0.0547	-0.0082	-0.0119	0.0048	0.0164
-0.0218	0.0574	0.0096	-0.0175	0.0591	-0.0355	0.0477	

Columns 1,906 through 1,920

0.0353	-0.0002	-0.0036	-0.0239	-0.0181	-0.0176	0.0498	-0.0234
-0.0161	-0.0243	0.0269	0.0026	-0.0083	0.0405	-0.0249	
0.0562	0.0062	0.0071	-0.0349	0.0022	-0.0477	-0.0225	0.0040
-0.0085	0.0072	0.0227	0.0177	-0.0359	0.0153	-0.0238	
0.0280	0.0221	0.0292	-0.0211	0.0063	-0.0351	-0.0786	0.0200
-0.0010	0.0261	0.0160	0.0190	-0.0376	-0.0145	0.0089	

Columns 1,921 through 1,935

0.0470	0.0001	0.0107	-0.0200	-0.0108	0.0359	-0.0499	0.0217
0.0215	0.0172	-0.0191	0.0080	0.0636	-0.0259	0.0050	
0.0215	-0.0053	0.0088	-0.0159	-0.0026	0.0134	-0.0621	-0.0313
-0.0447	0.0188	0.0013	-0.0133	0.0378	0.0061	-0.0340	
-0.0198	-0.0044	-0.0063	-0.0009	-0.0011	-0.0304	-0.0344	-0.0465
-0.0738	0.0032	0.0134	-0.0204	-0.0184	0.0353	-0.0408	

Columns 1,936 through 1,950

-0.0384	-0.0233	-0.0071	-0.0099	-0.0414	0.0301	0.0322	0.0207
0.0312	0.0341	-0.0290	-0.0061	-0.0144	-0.0111	-0.0478	
-0.0390	-0.0294	0.0215	-0.0202	-0.0363	-0.0106	0.0020	0.0120
0.0314	0.0103	0.0061	-0.0018	-0.0228	0.0120	-0.0304	
-0.0190	-0.0075	0.0308	-0.0182	-0.0075	-0.0395	-0.0112	-0.0139
0.0219	-0.0197	0.0328	0.0016	-0.0120	0.0241	0.0036	

Columns 1,951 through 1,965

0.0048	0.0152	0.0212	-0.0118	0.0009	-0.0084	-0.0080	-0.0134
0.0483	-0.0245	-0.0107	0.0173	-0.0318	-0.0221	0.0301	
-0.0302	-0.0346	0.0162	0.0191	-0.0312	-0.0058	0.0016	-0.0318
0.0290	-0.0154	0.0186	-0.0179	0.0023	0.0228	0.0227	
-0.0435	-0.0626	-0.0063	0.0302	-0.0278	-0.0002	0.0061	-0.0378
-0.0057	-0.0114	0.0510	-0.0418	0.0227	0.0506	0.0057	

Columns 1,966 through 1,980

0.0103	-0.0006	-0.0227	-0.0296	-0.0035	-0.0031	0.0116	0.0047
0.0297	0.0004	-0.0450	-0.0363	0.0364	-0.0167	0.0194	
0.0050	0.0233	-0.0188	-0.0046	0.0273	-0.0042	-0.0165	0.0479
-0.0110	0.0200	-0.0148	-0.0077	0.0158	0.0096	-0.0075	
0.0044	0.0286	0.0033	0.0175	0.0299	-0.0014	-0.0274	0.0517
-0.0466	0.0306	0.0317	0.0150	-0.0143	0.0358	-0.0411	

Columns 1,981 through 1,995

-0.0273	0.0076	0.0229	0.0220	-0.0105	-0.0312	0.0142	0.0057
0.0092	-0.0151	-0.0195	0.0018	-0.0370	0.0158	-0.0105	
0.0227	-0.0197	-0.0030	-0.0405	-0.0059	0.0273	0.0177	-0.0171
-0.0111	0.0105	0.0199	0.0037	0.0249	-0.0031	-0.0383	

Assignment 1

Sai Rohith Tanuku

0.0483	-0.0186	-0.0331	-0.0626	-0.0018	0.0466	0.0021	-0.0399
-0.0245	0.0254	0.0380	0.0052	0.0542	-0.0055	-0.0257	

Columns 1,996 through 2,010

0.0351	-0.0271	-0.0142	0.0114	-0.0037	-0.0049	-0.0433	0.0152
0.0218	-0.0394	-0.0087	-0.0306	0.0233	-0.0001	0.0268	
0.0009	-0.0255	-0.0170	-0.0150	0.0161	-0.0242	-0.0350	-0.0280
0.0013	-0.0251	0.0132	-0.0108	-0.0004	-0.0016	0.0446	
-0.0182	-0.0198	-0.0123	-0.0242	0.0088	-0.0109	-0.0167	-0.0516
-0.0096	0.0026	0.0254	0.0301	-0.0075	-0.0052	0.0405	

Columns 2,011 through 2,025

-0.0016	-0.0072	-0.0382	-0.0946	-0.0426	0.0198	0.0187	-0.0011
0.0173	0.0088	-0.0178	0.0210	0.0276	0.0036	0.0253	
-0.0423	0.0525	-0.0351	0.0010	0.0057	0.0038	-0.0052	0.0048
-0.0003	-0.0101	-0.0141	0.0193	-0.0161	0.0068	0.0596	
-0.0455	0.0757	-0.0142	0.0835	0.0329	-0.0389	-0.0186	0.0103
-0.0145	-0.0167	-0.0159	0.0103	-0.0526	0.0073	0.0397	

Columns 2,026 through 2,040

-0.0040	0.0579	-0.0016	0.0083	-0.0154	-0.0014	0.0174	-0.0065
-0.0002	0.0146	0.0241	0.0133	0.0403	0.0381	0.0363	
0.0019	0.0217	-0.0081	-0.0059	-0.0150	-0.0008	-0.0209	-0.0473
0.0055	-0.0122	0.0077	0.0061	0.0207	0.0194	-0.0286	
0.0079	-0.0290	-0.0052	-0.0094	-0.0077	-0.0115	-0.0429	-0.0506
0.0100	-0.0303	-0.0144	-0.0028	-0.0137	-0.0175	-0.0666	

Columns 2,041 through 2,055

-0.0118	-0.0200	-0.0019	-0.0700	-0.0049	-0.0066	-0.0014	0.0214
-0.0218	-0.0258	0.0046	0.0505	-0.0149	-0.0237	-0.0406	
-0.0361	-0.0063	0.0055	-0.0239	0.0292	0.0069	-0.0027	-0.0058
0.0199	0.0285	0.0084	-0.0257	0.0195	-0.0357	0.0276	
-0.0297	-0.0028	0.0067	0.0412	0.0383	0.0197	-0.0066	-0.0385
0.0463	0.0520	0.0175	-0.0667	0.0333	-0.0289	0.0707	

Columns 2,056 through 2,070

-0.0081	0.0096	0.0132	-0.0030	-0.0042	-0.0220	-0.0480	0.0400
-0.0023	-0.0035	0.0379	0.0050	0.0232	0.0072	-0.0270	
-0.0187	0.0258	-0.0220	-0.0317	0.0063	-0.0279	0.0114	0.0241
-0.0091	-0.0147	0.0435	0.0010	0.0091	-0.0241	-0.0196	
-0.0175	0.0118	-0.0410	-0.0378	-0.0025	-0.0061	0.0571	-0.0006
-0.0129	-0.0190	0.0074	0.0045	-0.0010	-0.0364	0.0042	

Columns 2,071 through 2,085

-0.0103	0.0144	-0.0232	0.0141	0.0137	0.0084	0.0184	0.0157
0.0176	0.0032	-0.0107	-0.0353	-0.0163	0.0218	-0.0215	
-0.0088	0.0344	-0.0136	-0.0073	-0.0078	0.0226	-0.0287	0.0202
-0.0197	-0.0051	-0.0501	0.0153	0.0133	-0.0020	0.0039	
0.0045	0.0197	0.0039	-0.0148	-0.0203	0.0222	-0.0492	0.0120
-0.0301	-0.0109	-0.0525	0.0551	0.0289	-0.0119	0.0229	

Columns 2,086 through 2,100

-0.0127	-0.0199	-0.0068	0.0268	-0.0079	-0.0101	0.0149	-0.0313
-0.0021	-0.0306	0.0216	-0.0400	-0.0098	0.0117	-0.0116	
0.0072	0.0228	-0.0032	0.0208	0.0022	-0.0158	-0.0060	0.0025
0.0088	-0.0149	-0.0159	-0.0148	0.0088	-0.0074	-0.0078	
0.0238	0.0421	-0.0022	-0.0063	0.0148	-0.0085	-0.0261	0.0402
0.0018	0.0019	-0.0364	0.0136	0.0033	-0.0181	0.0094	

Columns 2,101 through 2,115

-0.0012	-0.0300	-0.0506	-0.0024	-0.0616	0.0026	0.0077	0.0027
0.0323	-0.0260	0.0080	-0.0121	-0.0154	0.0124	0.0306	
0.0140	0.0064	-0.0209	-0.0149	-0.0416	-0.0063	-0.0156	-0.0166
-0.0222	0.0093	0.0096	-0.0284	0.0122	-0.0122	0.0278	
0.0093	0.0408	0.0161	-0.0125	0.0085	-0.0184	-0.0325	-0.0423
-0.0472	0.0178	0.0012	-0.0131	0.0184	-0.0250	0.0188	

Columns 2,116 through 2,130

0.0274	-0.0086	-0.0024	-0.0195	0.0515	-0.0318	0.0191	-0.0415
0.0511	-0.0115	0.0329	-0.0499	-0.0060	-0.0078	-0.0080	
0.0146	-0.0221	-0.0651	0.0080	-0.0165	-0.0070	0.0049	-0.0387
0.0272	0.0049	-0.0115	0.0143	0.0043	0.0195	-0.0421	
-0.0027	-0.0179	-0.0699	0.0247	-0.0776	0.0299	-0.0178	-0.0220
-0.0102	0.0182	-0.0358	0.0615	0.0051	0.0215	-0.0581	

Columns 2,131 through 2,145

0.0133	0.0233	0.0005	0.0092	0.0387	0.0267	0.0020	0.0050
0.0058	-0.0292	0.0110	-0.0290	0.0173	-0.0235	0.0063	
-0.0125	0.0303	0.0144	0.0225	0.0119	-0.0017	0.0239	0.0534
0.0067	0.0074	-0.0001	0.0107	-0.0065	0.0136	0.0272	
-0.0202	0.0310	0.0149	0.0190	-0.0150	-0.0253	0.0326	0.0620
-0.0103	0.0423	0.0003	0.0402	-0.0206	0.0459	0.0324	

Columns 2,146 through 2,160

-0.0120	0.0315	-0.0183	-0.0319	-0.0162	0.0013	-0.0185	-0.0200
0.0052	0.0031	-0.0129	-0.0062	0.0088	-0.0191	-0.0167	
0.0199	0.0177	0.0113	0.0435	-0.0541	-0.0330	-0.0182	-0.0462
-0.0038	0.0023	0.0071	-0.0003	-0.0256	-0.0126	0.0039	
0.0331	-0.0080	0.0130	0.0814	-0.0536	-0.0313	0.0008	-0.0320
-0.0056	0.0084	0.0220	-0.0001	-0.0462	0.0104	0.0085	

Columns 2,161 through 2,175

-0.0104	-0.0226	0.0171	-0.0259	-0.0223	0.0076	-0.0176	0.0345
-0.0381	0.0167	0.0463	0.0450	-0.0173	-0.0241	-0.0003	
-0.0168	-0.0274	-0.0187	0.0026	-0.0272	0.0312	0.0062	-0.0019
-0.0001	0.0232	-0.0085	-0.0095	0.0053	-0.0179	0.0089	
-0.0154	-0.0045	-0.0547	0.0270	-0.0238	0.0414	0.0254	-0.0341
0.0388	0.0205	-0.0543	-0.0426	0.0309	-0.0143	0.0078	

Columns 2,176 through 2,190

-0.0127	0.0365	-0.0203	0.0150	-0.0097	-0.0416	-0.0109	-0.0426
-0.0313	0.0141	-0.0017	-0.0189	0.0180	0.0160	0.0097	

Assignment 1

Sai Rohith Tanuku

-0.0071	0.0076	-0.0009	0.0024	0.0119	-0.0111	0.0017	-0.0161
-0.0262	-0.0027	-0.0245	0.0316	-0.0096	0.0324	0.0277	
-0.0008	-0.0121	0.0065	-0.0079	0.0171	0.0212	0.0144	0.0122
-0.0024	-0.0007	-0.0280	0.0459	-0.0332	0.0297	0.0387	

Columns 2,191 through 2,205

-0.0222	0.0068	0.0185	-0.0035	0.0051	0.0221	-0.0003	-0.0426
-0.0133	-0.0214	-0.0281	-0.0244	-0.0216	0.0091	-0.0200	
0.0266	0.0133	-0.0017	-0.0100	-0.0001	0.0094	0.0368	-0.0220
-0.0301	0.0143	-0.0287	-0.0166	0.0008	0.0194	0.0124	
0.0378	0.0010	0.0029	-0.0098	-0.0235	-0.0091	0.0280	-0.0005
-0.0155	0.0410	-0.0110	-0.0098	0.0015	0.0236	0.0388	

Columns 2,206 through 2,220

0.0043	-0.0313	0.0081	0.0305	-0.0041	-0.0058	0.0126	-0.0097
0.0348	0.0139	0.0166	0.0221	-0.0242	-0.0045	-0.0196	
0.0058	-0.0136	0.0053	-0.0683	-0.0025	0.0169	-0.0271	-0.0414
0.0171	-0.0302	-0.0336	0.0335	-0.0282	0.0321	-0.0246	
0.0112	0.0070	0.0047	-0.1104	-0.0089	0.0196	-0.0405	-0.0423
-0.0133	-0.0437	-0.0497	0.0289	-0.0189	0.0435	-0.0035	

Columns 2,221 through 2,235

-0.0277	-0.0005	-0.0492	-0.0135	-0.0007	0.0160	0.0221	0.0290
-0.0331	0.0032	-0.0242	0.0199	-0.0309	-0.0089	0.0217	
-0.0198	-0.0044	-0.0071	-0.0021	-0.0168	-0.0076	-0.0089	0.0127
-0.0148	0.0065	0.0182	-0.0360	0.0345	-0.0146	0.0292	
0.0005	-0.0131	0.0238	-0.0003	-0.0367	-0.0266	-0.0282	-0.0132
0.0114	0.0012	0.0387	-0.0463	0.0633	-0.0076	0.0102	

Columns 2,236 through 2,250

-0.0126	-0.0467	0.0131	0.0282	0.0068	0.0070	0.0129	-0.0302
-0.0285	-0.0202	0.0021	-0.0363	0.0050	-0.0074	0.0048	
0.0349	-0.0642	-0.0148	0.0702	0.0052	0.0027	0.0091	0.0108
-0.0004	-0.0181	-0.0008	0.0001	-0.0033	0.0467	0.0124	
0.0510	-0.0520	-0.0463	0.0420	0.0080	-0.0115	-0.0014	0.0262
0.0056	0.0031	0.0051	0.0295	-0.0104	0.0495	0.0111	

Columns 2,251 through 2,265

0.0007	0.0118	0.0142	0.0110	0.0154	-0.0611	0.0288	0.0456
0.0062	0.0346	-0.0399	-0.0198	-0.0114	-0.0045	-0.0160	
0.0122	-0.0272	0.0018	0.0142	-0.0090	0.0037	-0.0089	0.0174
-0.0364	0.0486	0.0137	-0.0073	-0.0294	-0.0207	-0.0120	
0.0149	-0.0492	0.0158	0.0013	-0.0294	0.0554	-0.0298	-0.0289
-0.0423	0.0308	0.0502	0.0030	-0.0238	-0.0289	-0.0132	

Columns 2,266 through 2,280

0.0446	0.0259	-0.0187	0.0428	-0.0001	-0.0238	0.0026	0.0036
-0.0173	0.0084	-0.0362	0.0076	-0.0223	-0.0035	-0.0010	
0.0325	-0.0083	0.0297	0.0746	-0.0258	-0.0040	-0.0043	-0.0153
0.0312	0.0158	0.0013	0.0071	-0.0091	-0.0358	-0.0541	
-0.0040	-0.0215	0.0519	0.0504	-0.0415	0.0063	0.0021	0.0005
0.0500	0.0091	0.0492	0.0043	0.0088	-0.0385	-0.0488	

Columns 2,281 through 2,295

0.0241	-0.0217	0.0077	0.0348	0.0002	0.0598	-0.0105	-0.0151
0.0021	0.0181	-0.0016	0.0086	-0.0071	0.0308	-0.0230	
-0.0062	-0.0235	-0.0099	-0.0121	-0.0309	0.0026	0.0005	-0.0161
-0.0012	0.0212	0.0028	-0.0337	-0.0209	0.0152	-0.0251	
-0.0355	-0.0160	-0.0159	-0.0419	-0.0253	-0.0442	0.0083	0.0044
-0.0137	0.0298	0.0092	-0.0472	-0.0191	-0.0087	-0.0112	

Columns 2,296 through 2,310

-0.0213	-0.0058	0.0094	-0.0310	0.0336	-0.0250	-0.0300	-0.0098
-0.0232	0.0630	-0.0136	0.0089	-0.0004	0.0273	0.0374	
0.0016	0.0337	0.0149	0.0300	0.0465	0.0278	-0.0040	0.0524
-0.0151	-0.0014	0.0368	0.0189	-0.0005	0.0219	-0.0006	
0.0213	0.0331	0.0042	0.0701	0.0116	0.0568	0.0139	0.0752
0.0113	-0.0521	0.0463	0.0197	0.0003	0.0073	-0.0333	

Columns 2,311 through 2,325

0.0260	0.0068	-0.0029	-0.0074	-0.0220	0.0242	-0.0307	-0.0196
0.0181	-0.0419	-0.0232	-0.0031	0.0011	-0.0109	0.0163	
0.0006	0.0065	-0.0129	-0.0146	-0.0075	-0.0098	-0.0019	-0.0046
0.0221	-0.0153	-0.0071	0.0147	0.0327	0.0023	0.0373	
-0.0189	0.0140	-0.0117	-0.0027	0.0083	-0.0322	-0.0022	0.0056
0.0055	0.0142	0.0106	0.0071	0.0345	0.0148	0.0241	

Columns 2,326 through 2,340

0.0372	-0.0188	-0.0023	0.0074	-0.0344	-0.0067	-0.0149	-0.0131
0.0170	0.0237	0.0355	0.0067	-0.0175	0.0194	0.0219	
0.0088	-0.0027	0.0435	0.0141	0.0115	0.0120	-0.0268	-0.0039
0.0558	-0.0295	-0.0120	-0.0058	-0.0075	-0.0366	0.0121	
-0.0292	0.0060	0.0449	-0.0104	0.0390	0.0225	-0.0278	0.0076
0.0578	-0.0418	-0.0466	-0.0144	-0.0005	-0.0565	-0.0084	

Columns 2,341 through 2,355

-0.0309	-0.0163	-0.0217	0.0493	0.0213	-0.0432	-0.0041	0.0477
-0.0318	-0.0016	-0.0263	0.0355	-0.0034	0.0186	0.0125	
0.0111	-0.0216	-0.0123	-0.0186	0.0431	-0.0112	-0.0024	-0.0123
-0.0119	0.0343	0.0005	0.0074	-0.0094	0.0133	0.0371	
0.0384	-0.0079	0.0022	-0.0619	0.0319	0.0133	0.0045	-0.0535
0.0060	0.0361	0.0218	-0.0278	0.0089	0.0047	0.0460	

Columns 2,356 through 2,370

0.0499	-0.0126	0.0687	-0.0114	-0.0060	-0.0089	0.0024	0.0072
0.0040	0.0094	-0.0430	0.0158	0.0137	0.0219	-0.0410	
-0.0183	0.0210	0.0705	-0.0365	-0.0477	-0.0091	0.0351	-0.0025
-0.0075	0.0135	-0.0364	-0.0269	0.0313	-0.0013	-0.0328	
-0.0586	0.0317	0.0223	-0.0301	-0.0476	-0.0078	0.0525	-0.0106
-0.0157	0.0174	-0.0083	-0.0364	0.0169	-0.0305	-0.0005	

Columns 2,371 through 2,385

-0.0137	0.0016	-0.0328	-0.0135	0.0247	0.0085	0.0018	-0.0343
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Assignment 1

Sai Rohith Tanuku

-0.0101	0.0057	-0.0022	-0.0098	-0.0111	0.0265	-0.0077	
0.0225	-0.0162	-0.0063	0.0061	-0.0061	-0.0061	0.0158	0.0448
0.0135	-0.0077	-0.0069	-0.0069	0.0095	-0.0105	-0.0387	
0.0370	-0.0078	0.0228	0.0106	-0.0199	-0.0136	0.0293	0.0844
0.0278	-0.0130	-0.0070	0.0016	0.0036	-0.0417	-0.0537	

Columns 2,386 through 2,400

0.0194	0.0178	-0.0205	-0.0088	0.0337	0.0271	-0.0196	-0.0007
-0.0095	0.0142	-0.0163	0.0151	-0.0016	0.0538	-0.0053	
0.0102	-0.0058	-0.0150	0.0117	0.0361	0.0342	0.0108	0.0479
-0.0239	0.0040	-0.0405	0.0194	-0.0037	0.0018	-0.0337	
-0.0040	-0.0276	-0.0257	0.0129	0.0165	0.0282	0.0285	0.0581
-0.0149	0.0009	-0.0304	0.0051	-0.0063	-0.0442	-0.0273	

Columns 2,401 through 2,415

0.0358	0.0056	-0.0440	-0.0330	-0.0205	0.0445	0.0205	-0.0052
-0.0006	0.0072	-0.0264	0.0013	-0.0266	-0.0112	-0.0046	
-0.0010	-0.0148	-0.0450	-0.0228	-0.0044	0.0175	-0.0283	-0.0116
0.0127	-0.0024	-0.0248	0.0077	0.0166	-0.0126	-0.0086	
-0.0414	-0.0300	-0.0186	0.0110	0.0271	-0.0045	-0.0437	-0.0144
0.0136	-0.0044	-0.0092	0.0079	0.0375	-0.0051	-0.0031	

Columns 2,416 through 2,430

0.0072	-0.0174	-0.0298	-0.0337	-0.0205	0.0378	-0.0413	0.0182
-0.0074	0.0539	-0.0702	0.0315	0.0162	0.0087	0.0142	
-0.0314	-0.0279	0.0005	-0.0086	0.0065	0.0199	0.0036	0.0225
0.0377	0.0083	-0.0119	0.0071	-0.0231	-0.0083	0.0270	
-0.0409	-0.0188	0.0185	0.0189	0.0180	-0.0115	0.0409	0.0113
0.0519	-0.0490	0.0378	-0.0164	-0.0373	-0.0151	0.0331	

Columns 2,431 through 2,445

0.0083	-0.0034	0.0305	-0.0125	-0.0137	0.0131	0.0279	0.0009
0.0203	-0.0213	0.0122	-0.0064	-0.0007	-0.0233	-0.0128	
-0.0356	0.0260	-0.0038	-0.0111	-0.0054	0.0074	-0.0092	0.0073
0.0198	-0.0099	-0.0461	0.0001	0.0177	0.0013	0.0200	
-0.0569	0.0460	-0.0447	-0.0116	-0.0033	0.0012	-0.0459	0.0139
0.0006	0.0034	-0.0508	0.0166	0.0321	0.0065	0.0249	

Columns 2,446 through 2,460

0.0059	-0.0263	0.0308	0.0020	-0.0026	0.0097	0.0018	0.0183
-0.0178	-0.0324	-0.0168	0.0209	-0.0122	-0.0116	0.0124	
-0.0181	0.0032	0.0174	-0.0051	-0.0044	0.0006	-0.0037	0.0119
-0.0205	-0.0241	0.0251	-0.0101	0.0191	-0.0223	-0.0170	
-0.0230	0.0173	-0.0007	-0.0079	-0.0068	-0.0081	-0.0120	0.0006
-0.0096	0.0052	0.0475	-0.0365	0.0217	-0.0144	-0.0343	

Columns 2,461 through 2,475

0.0006	-0.0112	0.0120	0.0080	-0.0115	-0.0017	-0.0181	-0.0111
0.0189	-0.0334	0.0000	0.0302	0.0208	0.0136	0.0319	
0.0261	0.0309	-0.0283	0.0115	0.0342	0.0232	-0.0227	0.0310
0.0187	0.0010	-0.0007	-0.0173	0.0069	-0.0121	0.0319	
0.0229	0.0446	-0.0479	0.0109	0.0527	0.0212	-0.0013	0.0403

Assignment 1

Sai Rohith Tanuku

0.0052 0.0307 0.0031 -0.0452 -0.0090 -0.0326 -0.0149

Columns 2,476 through 2,490

0.0039 -0.0021 -0.0266 -0.0017 0.0024 0.0102 0.0127 -0.0123
 0.0036 -0.0076 0.0137 0.0041 -0.0090 0.0052 0.0383
 0.0055 -0.0011 -0.0169 -0.0046 0.0534 0.0076 -0.0081 0.0171
 -0.0103 -0.0071 -0.0092 -0.0132 0.0450 0.0084 -0.0111
 0.0032 0.0035 -0.0070 0.0048 0.0625 -0.0079 -0.0304 0.0237
 -0.0235 -0.0046 -0.0209 -0.0180 0.0665 -0.0039 -0.0623

Columns 2,491 through 2,505

0.0052 0.0071 -0.0109 -0.0071 -0.0092 0.0011 -0.0032 -0.0381
 -0.0002 -0.0018 0.0077 -0.0163 -0.0262 0.0204 -0.0167
 0.0318 0.0112 0.0174 -0.0424 0.0001 -0.0177 -0.0108 0.0032
 -0.0109 -0.0084 -0.0120 -0.0090 0.0045 -0.0244 -0.0102
 0.0240 0.0149 0.0400 -0.0489 -0.0002 -0.0071 0.0017 0.0253
 -0.0288 0.0027 -0.0237 -0.0069 0.0308 -0.0346 0.0207

Columns 2,506 through 2,520

-0.0206 0.0255 -0.0136 0.0116 0.0120 0.0116 0.0134 -0.0034
 -0.0190 0.0241 -0.0049 0.0219 0.0060 0.0218 0.0109
 -0.0573 0.0124 -0.0346 0.0056 -0.0175 -0.0177 0.0321 0.0531
 -0.0159 0.0101 0.0506 -0.0097 0.0520 0.0211 -0.0054
 -0.0581 0.0008 -0.0208 -0.0146 -0.0266 -0.0247 0.0145 0.0658
 0.0038 -0.0032 0.0664 -0.0304 0.0632 0.0038 -0.0227

Columns 2,521 through 2,535

-0.0168 0.0035 0.0249 -0.0043 0.0217 0.0511 0.0209 0.0445
 0.0064 0.0396 0.0142 0.0049 0.0105 -0.0039 0.0271
 -0.0029 0.0295 0.0156 -0.0161 0.0096 -0.0038 0.0174 0.0404
 0.0139 -0.0241 0.0057 -0.0164 0.0445 -0.0385 -0.0106
 0.0181 0.0213 -0.0080 -0.0152 -0.0105 -0.0410 0.0109 0.0053
 0.0107 -0.0724 -0.0098 -0.0235 0.0377 -0.0369 -0.0349

Columns 2,536 through 2,550

0.0089 0.0142 0.0197 -0.0832 -0.0349 -0.0209 0.0055 0.0428
 0.0211 0.0005 -0.0172 0.0282 -0.0043 -0.0173 -0.0067
 0.0274 0.0011 0.0057 0.0023 0.0145 -0.0210 0.0024 -0.0043
 0.0015 -0.0042 -0.0246 0.0281 0.0088 -0.0105 -0.0076
 0.0302 0.0046 -0.0086 0.0745 0.0384 -0.0024 0.0027 -0.0419
 -0.0159 -0.0163 -0.0195 0.0118 0.0132 0.0057 -0.0140

Columns 2,551 through 2,565

0.0326 -0.0027 -0.0093 0.0418 -0.0299 -0.0110 0.0135 0.0397
 -0.0176 -0.0087 -0.0047 0.0161 0.0022 0.0087 0.0017
 0.0269 0.0204 0.0118 0.0118 -0.0182 -0.0073 -0.0100 0.0237
 0.0197 0.0205 0.0048 0.0442 -0.0226 -0.0117 0.0078
 0.0012 0.0235 0.0194 -0.0168 0.0060 -0.0081 -0.0240 0.0145
 0.0382 0.0206 0.0022 0.0308 -0.0165 -0.0325 0.0119

Columns 2,566 through 2,580

Assignment 1

Sai Rohith Tanuku

-0.0722	0.0092	0.0149	-0.0133	0.0293	0.0131	-0.0101	0.0201
-0.0008	-0.0056	0.0038	0.0190	-0.0103	0.0082	-0.0030	
0.0292	0.0179	-0.0042	0.0141	0.0276	0.0043	-0.0561	0.0382
-0.0670	0.0066	-0.0255	-0.0064	0.0112	-0.0080	0.0297	
0.0980	0.0164	-0.0168	0.0304	0.0129	-0.0083	-0.0610	0.0356
-0.0626	0.0167	-0.0234	-0.0247	0.0045	-0.0138	0.0237	

Columns 2,581 through 2,595

-0.0167	-0.0571	0.0264	-0.0041	-0.0267	-0.0268	0.0104	0.0090
-0.0174	0.0327	-0.0316	0.0328	0.0448	0.0340	-0.0087	
0.0270	-0.0140	-0.0042	-0.0126	-0.0104	-0.0477	0.0266	0.0116
0.0081	0.0473	-0.0332	0.0045	0.0344	0.0397	-0.0175	
0.0548	0.0340	-0.0164	-0.0112	-0.0017	-0.0207	0.0304	0.0087
0.0171	0.0204	-0.0283	-0.0039	0.0002	0.0273	-0.0235	

Columns 2,596 through 2,610

0.0073	0.0216	-0.0220	-0.0086	0.0047	0.0349	-0.0310	0.0010
0.0189	0.0102	0.0113	0.0017	0.0028	-0.0208	-0.0190	
-0.0068	0.0141	-0.0312	-0.0040	-0.0338	-0.0090	0.0054	0.0144
0.0301	-0.0319	0.0111	-0.0220	0.0166	0.0359	0.0306	
-0.0088	0.0015	-0.0176	-0.0008	-0.0594	-0.0364	0.0222	0.0273
0.0140	-0.0521	0.0059	-0.0246	0.0179	0.0661	0.0594	

Columns 2,611 through 2,625

0.0192	-0.0133	-0.0040	0.0019	-0.0075	0.0139	-0.0054	-0.0007
0.0095	-0.0124	-0.0250	0.0284	0.0053	-0.0128	0.0043	
-0.0383	0.0160	0.0144	0.0263	-0.0058	-0.0103	0.0058	-0.0241
0.0085	0.0039	0.0397	0.0447	-0.0304	-0.0130	0.0242	
-0.0530	0.0315	0.0326	0.0439	0.0069	-0.0011	-0.0011	-0.0372
0.0142	0.0167	0.0530	0.0146	-0.0394	-0.0037	0.0241	

Columns 2,626 through 2,640

0.0088	-0.0054	0.0110	-0.0158	0.0245	0.0330	-0.0092	0.0195
0.0005	-0.0070	-0.0200	0.0234	0.0059	-0.0017	0.0231	
-0.0404	0.0151	-0.0134	0.0341	0.0016	-0.0078	0.0407	0.0118
-0.0015	-0.0319	0.0200	0.0026	-0.0423	-0.0151	0.0674	
-0.0477	0.0104	-0.0313	0.0557	-0.0034	-0.0298	0.0439	-0.0078
0.0028	-0.0360	0.0377	-0.0250	-0.0446	-0.0102	0.0516	

Columns 2,641 through 2,655

-0.0060	-0.0125	0.0180	-0.0065	-0.0234	-0.0039	0.0583	-0.0084
-0.0490	-0.0004	-0.0196	0.0002	0.0044	0.0018	-0.0029	
-0.0063	-0.0419	-0.0232	-0.0047	0.0180	-0.0064	0.0239	-0.0164
-0.0346	0.0082	-0.0063	-0.0164	-0.0078	0.0016	-0.0201	
-0.0064	-0.0309	-0.0463	0.0056	0.0454	-0.0057	-0.0125	-0.0239
-0.0009	-0.0068	0.0145	-0.0235	-0.0240	0.0027	-0.0268	

Columns 2,656 through 2,670

-0.0240	0.0066	0.0300	0.0013	0.0101	-0.0450	-0.0002	-0.0182
-0.0212	-0.0088	0.0155	0.0443	-0.0150	0.0192	0.0015	
-0.0054	0.0428	0.0122	-0.0204	-0.0316	-0.0183	-0.0183	0.0300
0.0043	-0.0313	0.0104	-0.0273	0.0243	0.0073	0.0112	

Assignment 1

Sai Rohith Tanuku

0.0106	0.0362	-0.0165	-0.0289	-0.0556	0.0132	-0.0045	0.0412
0.0256	-0.0303	0.0028	-0.0697	0.0517	-0.0010	0.0200	

Columns 2,671 through 2,685

0.0092	-0.0243	0.0003	0.0088	-0.0046	-0.0304	0.0171	-0.0265
-0.0481	-0.0188	-0.0325	0.0257	-0.0183	-0.0143	-0.0296	
0.0156	0.0021	-0.0206	-0.0346	0.0071	-0.0182	0.0003	-0.0298
0.0073	0.0024	-0.0353	0.0012	0.0135	0.0427	-0.0103	
0.0146	0.0112	-0.0250	-0.0483	0.0209	0.0106	-0.0251	0.0044
0.0454	0.0175	-0.0156	-0.0169	0.0284	0.0507	0.0161	

Columns 2,686 through 2,700

-0.0279	-0.0008	-0.0133	0.0045	0.0301	-0.0171	0.0022	-0.0052
-0.0189	0.0016	-0.0337	0.0134	0.0070	0.0022	0.0147	
0.0224	-0.0187	0.0027	0.0149	0.0196	-0.0112	-0.0295	-0.0093
0.0088	0.0013	-0.0117	0.0091	0.0072	-0.0197	0.0054	
0.0448	-0.0191	0.0145	0.0295	0.0021	0.0047	-0.0325	-0.0079
0.0276	0.0113	0.0141	-0.0034	-0.0035	-0.0268	0.0015	

Columns 2,701 through 2,715

0.0078	0.0214	-0.0528	0.0001	-0.0317	0.0125	0.0153	0.0071
-0.0163	-0.0149	0.0320	0.0128	0.0144	0.0062	-0.0344	
0.0287	0.0138	-0.0337	0.0401	-0.0116	-0.0147	-0.0328	-0.0160
-0.0072	-0.0116	-0.0017	-0.0603	0.0479	0.0370	-0.0268	
0.0320	-0.0004	0.0126	0.0487	0.0209	-0.0279	-0.0520	-0.0370
0.0039	-0.0018	-0.0184	-0.0999	0.0204	0.0374	-0.0119	

Columns 2,716 through 2,730

-0.0177	-0.0125	-0.0055	0.0040	0.0337	0.0351	-0.0103	0.0294
0.0617	-0.0106	0.0124	-0.0179	0.0287	0.0039	-0.0044	
0.0150	0.0087	0.0093	-0.0112	0.0382	-0.0273	0.0369	-0.0330
0.0020	0.0313	0.0132	-0.0402	0.0242	0.0029	-0.0183	
0.0501	0.0226	0.0244	-0.0149	0.0239	-0.0666	0.0445	-0.0596
-0.0511	0.0556	0.0115	-0.0321	0.0010	-0.0015	-0.0158	

Columns 2,731 through 2,745

-0.0355	-0.0132	0.0189	0.0147	0.0263	-0.0361	0.0162	-0.0321
0.0035	0.0076	0.0110	0.0068	-0.0180	-0.0180	-0.0090	
0.0178	0.0155	0.0488	0.0068	-0.0022	-0.0244	-0.0307	0.0054
-0.0440	-0.0000	-0.0165	0.0076	-0.0517	0.0212	-0.0210	
0.0630	0.0288	0.0344	0.0008	-0.0248	-0.0025	-0.0387	0.0323
-0.0499	-0.0022	-0.0384	-0.0088	-0.0294	0.0418	-0.0225	

Columns 2,746 through 2,760

-0.0124	-0.0020	0.0362	0.0218	0.0202	0.0080	-0.0124	0.0045
0.0330	-0.0070	0.0288	-0.0185	0.0375	0.0100	-0.0187	
-0.0149	0.0032	0.0134	-0.0055	-0.0252	0.0251	-0.0043	-0.0061
0.0445	0.0068	-0.0176	0.0005	-0.0366	-0.0146	0.0027	
0.0086	0.0085	-0.0141	-0.0242	-0.0409	0.0177	-0.0002	-0.0024
0.0313	0.0131	-0.0384	0.0068	-0.0744	-0.0177	0.0211	

Columns 2,761 through 2,775

-0.0033	-0.0372	-0.0086	0.0030	0.0029	-0.0136	-0.0171	-0.0058
0.0478	0.0048	-0.0211	0.0051	-0.0023	-0.0051	-0.0038	
0.0080	-0.0077	-0.0529	0.0235	0.0193	0.0046	-0.0147	-0.0060
-0.0036	0.0080	-0.0057	-0.0205	-0.0042	0.0166	0.0236	
0.0109	0.0204	-0.0581	0.0274	0.0103	-0.0008	-0.0008	0.0018
-0.0345	0.0062	0.0046	-0.0304	-0.0246	0.0209	0.0378	

Columns 2,776 through 2,790

-0.0077	-0.0576	-0.0269	0.0013	-0.0032	-0.0132	-0.0023	0.0098
0.0380	0.0139	0.0142	-0.0172	0.0170	0.0060	-0.0347	
-0.0029	-0.0347	0.0087	0.0403	-0.0178	-0.0413	0.0390	0.0030
0.0267	0.0342	-0.0404	-0.0296	-0.0102	0.0061	0.0211	
0.0171	0.0153	0.0311	0.0500	-0.0063	-0.0248	0.0513	-0.0025
-0.0085	0.0346	-0.0703	-0.0333	-0.0205	0.0027	0.0533	

Columns 2,791 through 2,805

-0.0214	-0.0548	0.0153	0.0327	-0.0137	-0.0044	0.0003	0.0166
-0.0062	0.0012	-0.0075	0.0215	-0.0006	-0.0246	-0.0263	
0.0039	-0.0575	0.0320	-0.0035	0.0032	-0.0373	0.0116	-0.0041
0.0022	-0.0383	-0.0262	-0.0122	0.0248	-0.0082	0.0098	
0.0280	-0.0178	0.0236	-0.0397	0.0293	-0.0277	0.0152	-0.0299
0.0038	-0.0560	-0.0300	-0.0273	0.0141	0.0248	0.0498	

Columns 2,806 through 2,820

0.0201	-0.0041	0.0023	-0.0230	0.0165	0.0074	0.0260	-0.0043
-0.0193	0.0052	-0.0086	0.0129	0.0133	-0.0271	-0.0092	
-0.0088	0.0037	0.0161	-0.0053	0.0036	0.0054	0.0189	-0.0381
0.0111	0.0172	0.0108	0.0162	0.0472	0.0240	-0.0279	
-0.0196	-0.0069	0.0302	0.0109	-0.0283	-0.0104	-0.0042	-0.0288
0.0370	0.0096	0.0230	0.0012	0.0381	0.0497	-0.0239	

Columns 2,821 through 2,835

-0.0122	-0.0139	0.0389	-0.0135	0.0031	-0.0185	-0.0142	-0.0202
-0.0156	-0.0237	0.0165	0.0188	0.0088	-0.0111	0.0185	
-0.0178	0.0014	0.0045	0.0019	0.0127	-0.0094	-0.0020	0.0023
0.0069	0.0128	0.0047	-0.0174	0.0174	0.0174	0.0192	
-0.0066	0.0192	-0.0170	0.0189	-0.0026	0.0104	0.0160	0.0295
0.0158	0.0283	-0.0040	-0.0471	0.0071	0.0313	0.0100	

Columns 2,836 through 2,850

0.0012	-0.0342	-0.0435	0.0072	0.0105	0.0180	-0.0300	0.0442
0.0091	-0.0063	0.0185	0.0265	0.0294	-0.0303	0.0512	
0.0697	-0.0119	-0.0049	0.0040	0.0062	-0.0069	0.0283	0.0439
0.0151	-0.0142	0.0052	-0.0189	-0.0347	0.0006	-0.0021	
0.0722	0.0098	0.0268	0.0024	-0.0106	-0.0212	0.0663	0.0066
0.0193	-0.0208	0.0034	-0.0548	-0.0642	0.0325	-0.0375	

Columns 2,851 through 2,865

-0.0260	0.0055	-0.0110	0.0026	0.0313	-0.0121	-0.0085	-0.0024
-0.0130	-0.0019	-0.0210	-0.0264	0.0276	0.0092	-0.0037	
0.0300	0.0023	-0.0148	0.0235	-0.0232	0.0087	-0.0367	-0.0077

Assignment 1

Sai Rohith Tanuku

0.0116	0.0230	-0.0386	0.0110	0.0334	-0.0278	-0.0274	
0.0606	-0.0040	-0.0197	0.0160	-0.0419	0.0229	-0.0436	-0.0000
0.0310	0.0299	-0.0392	0.0373	0.0096	-0.0475	-0.0311	

Columns 2,866 through 2,880

0.0291	-0.0315	0.0106	0.0194	0.0072	-0.0440	0.0196	0.0167
0.0221	-0.0175	-0.0214	-0.0071	0.0247	-0.0035	0.0473	
-0.0084	-0.0069	-0.0011	-0.0040	-0.0021	0.0003	-0.0017	-0.0063
0.0208	-0.0139	-0.0278	-0.0050	-0.0094	-0.0280	-0.0104	
-0.0456	0.0051	-0.0128	-0.0109	-0.0136	0.0404	-0.0139	-0.0066
0.0107	-0.0106	-0.0269	0.0099	-0.0334	-0.0350	-0.0470	

Columns 2,881 through 2,895

-0.0012	-0.0331	0.0030	0.0256	-0.0136	0.0299	-0.0120	-0.0118
0.0341	0.0204	-0.0088	-0.0257	-0.0077	0.0043	0.0108	
0.0297	-0.0191	-0.0238	-0.0012	0.0182	0.0084	0.0207	-0.0178
-0.0140	-0.0185	0.0057	-0.0321	-0.0038	-0.0322	-0.0106	
0.0350	-0.0002	-0.0155	-0.0180	0.0286	-0.0023	0.0175	-0.0079
-0.0469	-0.0364	-0.0033	-0.0267	-0.0083	-0.0354	-0.0203	

Columns 2,896 through 2,910

-0.0285	0.0101	0.0071	-0.0089	0.0549	-0.0214	0.0356	-0.0209
0.0404	0.0164	0.0100	-0.0024	0.0173	0.0154	-0.0416	
0.0218	-0.0094	-0.0114	0.0106	0.0478	0.0100	0.0112	-0.0160
-0.0052	0.0132	-0.0346	0.0249	0.0194	0.0259	0.0188	
0.0587	-0.0029	-0.0310	0.0191	0.0047	0.0283	-0.0324	-0.0039
-0.0390	0.0087	-0.0610	0.0295	0.0058	0.0169	0.0536	

Columns 2,911 through 2,925

0.0463	-0.0163	0.0176	-0.0041	-0.0255	0.0013	-0.0055	-0.0341
0.0123	0.0171	-0.0284	-0.0069	-0.0169	0.0292	0.0271	
0.0238	-0.0108	0.0127	0.0111	0.0175	0.0301	0.0339	-0.0048
0.0248	0.0135	-0.0044	-0.0307	0.0328	-0.0422	0.0130	
0.0034	0.0063	-0.0027	0.0031	0.0431	0.0397	0.0428	0.0185
0.0129	0.0101	0.0036	-0.0262	0.0513	-0.0776	-0.0053	

Columns 2,926 through 2,940

0.0243	0.0466	-0.0114	0.0210	0.0121	0.0049	0.0394	0.0127
-0.0182	0.0191	0.0100	0.0262	-0.0033	0.0215	0.0031	
-0.0082	-0.0080	0.0072	0.0188	0.0193	0.0036	0.0160	-0.0071
0.0178	0.0070	0.0406	0.0022	0.0316	0.0020	0.0170	
-0.0336	-0.0392	0.0191	0.0099	-0.0020	-0.0004	-0.0190	-0.0318
0.0241	-0.0279	0.0709	-0.0243	0.0305	-0.0126	0.0136	

Columns 2,941 through 2,955

-0.0061	-0.0367	-0.0268	-0.0006	0.0052	-0.0093	-0.0408	-0.0223
0.0430	0.0210	0.0178	0.0232	-0.0184	0.0072	-0.0380	
-0.0155	-0.0275	0.0151	0.0039	0.0230	-0.0172	0.0133	-0.0007
0.0090	0.0403	0.0241	-0.0413	0.0033	-0.0195	-0.0118	
-0.0072	-0.0028	0.0397	-0.0047	0.0194	-0.0123	0.0468	0.0174
-0.0241	0.0255	0.0014	-0.0603	0.0178	-0.0290	0.0205	

Columns 2,956 through 2,970

-0.0131	-0.0213	-0.0506	-0.0017	-0.0199	-0.0042	0.0129	-0.0229
0.0206	-0.0291	-0.0265	-0.0009	0.0570	-0.0485	0.0247	
-0.0153	0.0181	0.0168	0.0017	0.0018	0.0174	0.0137	-0.0140
-0.0116	0.0020	0.0055	-0.0027	0.0074	-0.0124	-0.0010	
-0.0047	0.0246	0.0590	-0.0062	0.0092	0.0297	0.0008	-0.0103
-0.0402	0.0228	0.0438	0.0036	-0.0368	0.0256	-0.0268	

Columns 2,971 through 2,985

0.0141	0.0283	0.0013	0.0346	-0.0546	0.0140	-0.0101	-0.0151
0.0149	0.0067	-0.0508	-0.0057	0.0150	-0.0209	-0.0013	
0.0397	-0.0138	-0.0258	0.0116	0.0059	-0.0195	0.0143	0.0139
-0.0256	-0.0201	-0.0429	0.0106	-0.0039	-0.0127	-0.0256	
0.0141	-0.0312	-0.0313	-0.0164	0.0674	-0.0383	0.0322	0.0277
-0.0426	-0.0387	-0.0090	0.0252	-0.0261	-0.0183	-0.0278	

Columns 2,986 through 3,000

-0.0197	-0.0245	-0.0235	-0.0214	-0.0250	-0.0116	-0.0005	-0.0412
-0.0126	-0.0464	-0.0067	0.0121	-0.0125	0.0104	-0.0026	
-0.0008	-0.0077	0.0248	0.0044	-0.0299	0.0177	-0.0283	0.0299
-0.0093	-0.0495	-0.0153	0.0196	0.0118	0.0233	0.0434	
0.0120	0.0120	0.0451	0.0241	-0.0239	0.0517	-0.0453	0.0719
0.0044	-0.0201	-0.0197	0.0040	0.0227	0.0330	0.0533	

Columns 3,001 through 3,015

0.0154	-0.0278	-0.0119	0.0041	0.0264	-0.0167	-0.0051	-0.0144
0.0313	0.0186	0.0060	-0.0306	0.0354	-0.0135	-0.0076	
0.0076	-0.0089	-0.0194	-0.0273	-0.0082	0.0056	0.0399	0.0118
-0.0203	0.0014	-0.0012	-0.0094	0.0352	-0.0033	0.0169	
0.0118	0.0049	-0.0093	-0.0428	-0.0358	0.0149	0.0434	0.0218
-0.0503	-0.0117	0.0028	0.0177	0.0110	-0.0006	0.0213	

Columns 3,016 through 3,030

-0.0015	0.0308	0.0110	0.0028	0.0096	-0.0037	-0.0383	0.0396
-0.0042	-0.0237	0.0010	0.0139	0.0069	0.0002	-0.0194	
0.0165	-0.0016	0.0133	-0.0356	0.0272	0.0182	0.0257	-0.0214
0.0116	-0.0023	0.0010	0.0125	0.0141	0.0066	-0.0041	
0.0223	-0.0180	-0.0031	-0.0466	0.0286	0.0280	0.0674	-0.0537
0.0316	0.0187	-0.0010	-0.0066	0.0071	-0.0002	0.0075	

Columns 3,031 through 3,045

-0.0114	-0.0229	0.0198	-0.0052	-0.0023	-0.0451	0.0118	-0.0043
-0.0571	0.0052	0.0102	-0.0105	-0.0202	-0.0328	-0.0086	
0.0274	-0.0150	0.0202	-0.0050	-0.0055	0.0057	-0.0272	0.0144
-0.0265	0.0094	-0.0282	-0.0345	0.0145	-0.0166	-0.0425	
0.0323	-0.0006	0.0186	0.0068	-0.0075	0.0419	-0.0414	0.0292
0.0190	-0.0023	-0.0267	-0.0190	0.0163	0.0026	-0.0365	

Columns 3,046 through 3,060

-0.0332	-0.0093	0.0347	-0.0162	0.0095	0.0070	-0.0238	0.0296
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Assignment 1

Sai Rohith Tanuku

0.0170	-0.0116	0.0391	0.0116	0.0229	0.0075	-0.0126	
-0.0398	-0.0154	0.0061	0.0066	0.0238	0.0147	-0.0126	0.0116
0.0514	0.0008	-0.0118	0.0101	-0.0039	-0.0323	-0.0014	
-0.0122	-0.0198	-0.0288	0.0225	0.0165	0.0157	0.0001	-0.0275
0.0441	0.0127	-0.0578	-0.0124	-0.0203	-0.0421	0.0120	

Columns 3,061 through 3,075

0.0177	0.0195	-0.0026	-0.0082	0.0020	-0.0044	-0.0198	-0.0173
-0.0479	-0.0428	0.0105	0.0091	-0.0204	0.0002	0.0408	
-0.0041	0.0199	-0.0124	-0.0108	-0.0104	0.0261	0.0093	-0.0017
-0.0030	-0.0104	-0.0393	0.0086	0.0061	-0.0302	0.0071	
-0.0309	0.0174	0.0003	-0.0013	-0.0091	0.0373	0.0411	0.0009
0.0298	0.0259	-0.0490	0.0006	0.0183	-0.0453	-0.0263	

Columns 3,076 through 3,090

-0.0094	-0.0082	-0.0003	0.0335	-0.0118	-0.0217	-0.0042	0.0006
0.0113	0.0197	-0.0157	-0.0257	0.0181	-0.0006	-0.0037	
-0.0128	0.0350	0.0031	0.0182	-0.0409	-0.0158	-0.0280	0.0115
0.0120	-0.0044	0.0433	-0.0009	0.0121	0.0181	-0.0525	
-0.0073	0.0438	0.0070	-0.0012	-0.0488	0.0050	-0.0244	0.0076
0.0005	-0.0118	0.0439	0.0052	-0.0020	-0.0020	-0.0516	

Columns 3,091 through 3,105

-0.0113	0.0202	0.0154	0.0329	0.0080	-0.0291	-0.0413	-0.0185
-0.0009	-0.0174	-0.0052	0.0014	0.0247	0.0337	-0.0132	
-0.0099	0.0204	0.0070	-0.0215	0.0152	-0.0565	-0.0026	0.0008
0.0051	-0.0007	-0.0184	-0.0038	0.0049	-0.0231	-0.0224	
-0.0066	0.0211	-0.0054	-0.0550	0.0118	-0.0390	0.0339	0.0112
0.0118	0.0086	-0.0163	-0.0202	-0.0074	-0.0462	-0.0254	

Columns 3,106 through 3,120

-0.0074	-0.0220	0.0105	0.0230	-0.0185	0.0272	0.0151	0.0420
-0.0039	-0.0093	0.0000	0.0123	-0.0132	-0.0106	0.0101	
-0.0162	-0.0257	0.0124	0.0045	-0.0171	-0.0128	0.0279	0.0333
-0.0066	-0.0010	0.0103	0.0439	0.0222	-0.0125	-0.0073	
-0.0125	-0.0088	0.0042	-0.0149	-0.0105	-0.0418	0.0069	0.0009
-0.0054	0.0056	-0.0101	0.0391	0.0353	-0.0078	-0.0130	

Columns 3,121 through 3,135

0.0081	0.0196	0.0365	-0.0158	-0.0065	-0.0068	-0.0246	-0.0129
-0.0206	0.0297	0.0191	-0.0032	-0.0413	0.0385	0.0196	
0.0246	-0.0013	-0.0111	-0.0128	0.0285	0.0015	-0.0126	0.0178
-0.0090	-0.0025	0.0442	0.0164	-0.0153	-0.0040	-0.0224	
0.0259	-0.0048	-0.0369	-0.0026	0.0441	0.0066	-0.0055	0.0258
-0.0021	-0.0117	0.0523	0.0264	0.0125	-0.0381	-0.0533	

Columns 3,136 through 3,150

-0.0038	-0.0169	-0.0159	0.0128	0.0039	-0.0194	-0.0123	0.0067
0.0260	-0.0185	0.0333	-0.0007	0.0015	-0.0383	0.0038	
0.0089	-0.0102	-0.0199	-0.0414	-0.0182	-0.0129	0.0242	0.0504
0.0173	0.0118	0.0078	0.0149	0.0143	-0.0378	0.0181	
0.0221	0.0126	-0.0135	-0.0656	-0.0297	0.0075	0.0491	0.0647

Assignment 1

Sai Rohith Tanuku

-0.0124 0.0209 -0.0314 0.0195 0.0118 -0.0225 0.0155

Columns 3,151 through 3,165

0.0222 0.0194 0.0018 0.0591 -0.0003 0.0186 -0.0216 -0.0063
 0.0178 0.0138 0.0328 -0.0173 0.0009 -0.0220 0.0135
 -0.0229 0.0259 -0.0176 0.0093 -0.0032 -0.0255 0.0012 0.0260
 0.0027 0.0013 0.0021 0.0253 0.0243 -0.0107 0.0515
 -0.0438 0.0198 -0.0200 -0.0209 0.0030 -0.0433 0.0237 0.0358
 -0.0074 -0.0212 -0.0318 0.0433 0.0509 -0.0054 0.0396

Columns 3,166 through 3,180

-0.0077 -0.0158 -0.0051 -0.0480 -0.0010 0.0071 0.0185 0.0158
 -0.0073 0.0104 0.0435 -0.0069 -0.0123 -0.0050 -0.0123
 0.0251 -0.0336 0.0231 -0.0319 -0.0049 0.0153 0.0124 -0.0068
 0.0243 0.0352 -0.0323 -0.0173 0.0235 -0.0005 0.0037
 0.0347 -0.0325 0.0286 0.0029 -0.0089 0.0177 -0.0113 -0.0214
 0.0451 0.0241 -0.0695 -0.0060 0.0351 0.0099 0.0203

Columns 3,181 through 3,195

0.0101 -0.0084 -0.0088 -0.0044 -0.0074 -0.0013 -0.0037 -0.0391
 0.0014 0.0026 -0.0076 0.0148 -0.0250 -0.0130 -0.0188
 0.0153 0.0438 -0.0402 -0.0140 -0.0266 0.0041 -0.0058 -0.0062
 0.0237 -0.0073 0.0058 0.0247 0.0064 -0.0174 0.0043
 0.0018 0.0510 -0.0453 -0.0051 -0.0443 0.0095 -0.0099 0.0330
 0.0213 0.0012 0.0151 0.0146 0.0303 -0.0091 0.0251

Columns 3,196 through 3,210

0.0311 0.0338 -0.0092 -0.0131 -0.0104 -0.0378 -0.0141 0.0044
 0.0222 0.0045 -0.0244 -0.0430 0.0198 -0.0151 -0.0171
 0.0110 0.0053 0.0291 -0.0033 -0.0097 -0.0333 -0.0102 -0.0280
 -0.0322 0.0103 -0.0392 -0.0258 0.0208 0.0133 0.0291
 -0.0027 -0.0110 0.0401 0.0105 0.0028 -0.0135 -0.0087 -0.0302
 -0.0534 0.0122 -0.0278 -0.0005 0.0061 0.0230 0.0441

Columns 3,211 through 3,225

-0.0373 0.0001 0.0127 0.0282 0.0224 -0.0004 0.0182 0.0210
 0.0216 0.0040 -0.0037 -0.0275 0.0055 0.0229 0.0331
 -0.0356 0.0147 -0.0025 0.0450 0.0109 0.0157 0.0081 -0.0006
 0.0004 -0.0074 0.0143 -0.0097 -0.0228 0.0126 -0.0087
 -0.0135 0.0120 -0.0243 0.0366 -0.0051 0.0154 -0.0250 -0.0139
 -0.0115 0.0081 0.0340 0.0008 -0.0360 0.0008 -0.0432

Columns 3,226 through 3,240

-0.0113 0.0294 -0.0207 0.0270 0.0015 0.0069 -0.0235 -0.0442
 -0.0003 -0.0126 0.0324 0.0304 -0.0237 -0.0106 -0.0105
 0.0066 0.0080 0.0125 0.0271 -0.0193 -0.0005 0.0056 -0.0422
 0.0336 0.0190 -0.0075 0.0242 -0.0029 0.0026 -0.0212
 0.0333 -0.0292 0.0292 0.0041 -0.0183 -0.0052 0.0215 -0.0140
 0.0284 0.0458 -0.0364 -0.0030 0.0102 0.0136 -0.0181

Columns 3,241 through 3,255

Assignment 1

Sai Rohith Tanuku

0.0199	-0.0074	-0.0116	-0.0167	0.0060	0.0026	0.0115	-0.0203
-0.0005	0.0039	-0.0067	0.0242	0.0117	0.0027	0.0260	
-0.0490	-0.0113	-0.0000	-0.0045	0.0150	-0.0343	0.0240	0.0142
-0.0012	-0.0155	0.0228	0.0061	-0.0167	-0.0173	0.0045	
-0.0821	0.0043	0.0246	-0.0014	0.0115	-0.0553	0.0197	0.0351
0.0005	-0.0157	0.0341	-0.0094	-0.0245	-0.0424	-0.0276	

Columns 3,256 through 3,270

-0.0000	-0.0169	0.0224	-0.0165	0.0224	-0.0156	0.0232	-0.0206
-0.0045	0.0208	0.0166	0.0797	0.0305	-0.0253	-0.0465	
-0.0368	0.0385	-0.0295	-0.0317	0.0302	-0.0112	-0.0005	-0.0112
0.0218	-0.0077	0.0181	0.0355	-0.0002	-0.0039	-0.0186	
-0.0439	0.0561	-0.0379	-0.0137	0.0132	-0.0134	-0.0155	-0.0021
0.0332	-0.0186	0.0008	-0.0228	-0.0300	0.0136	0.0221	

Columns 3,271 through 3,285

-0.0240	-0.0053	0.0007	0.0224	-0.0162	-0.0186	0.0125	-0.0051
0.0021	-0.0008	-0.0188	-0.0236	0.0130	-0.0432	0.0522	
-0.0330	-0.0124	0.0323	-0.0159	-0.0040	-0.0348	-0.0274	-0.0046
0.0245	0.0261	0.0118	-0.0273	0.0079	-0.0067	0.0254	
-0.0247	-0.0116	0.0431	-0.0493	0.0173	-0.0311	-0.0443	-0.0045
0.0258	0.0282	0.0310	-0.0248	0.0103	0.0225	-0.0204	

Columns 3,286 through 3,300

0.0107	0.0195	0.0023	-0.0225	0.0450	0.0038	0.0244	-0.0032
-0.0091	0.0056	-0.0174	-0.0153	0.0331	0.0129	-0.0096	
0.0383	-0.0523	0.0059	-0.0105	0.0012	0.0411	-0.0069	-0.0205
0.0008	-0.0212	-0.0134	0.0186	0.0254	0.0087	0.0131	
0.0463	-0.0813	0.0104	0.0210	-0.0331	0.0434	-0.0225	-0.0037
0.0072	-0.0455	-0.0011	0.0347	0.0062	-0.0032	0.0413	

Columns 3,301 through 3,315

-0.0087	-0.0122	-0.0183	0.0008	-0.0435	0.0027	-0.0286	-0.0159
-0.0290	-0.0240	0.0223	-0.0107	-0.0154	-0.0011	-0.0296	
-0.0087	-0.0000	0.0157	0.0314	-0.0083	-0.0200	-0.0214	-0.0063
0.0146	0.0121	-0.0253	0.0191	-0.0219	0.0127	0.0245	
-0.0157	0.0180	0.0459	0.0503	0.0201	-0.0290	-0.0035	0.0243
0.0380	0.0487	-0.0596	0.0353	-0.0181	0.0176	0.0480	

Columns 3,316 through 3,330

-0.0217	-0.0144	0.0109	-0.0018	-0.0192	0.0039	0.0036	-0.0341
-0.0183	-0.0391	0.0248	-0.0192	-0.0065	0.0564	0.0101	
-0.0025	-0.0051	-0.0092	0.0410	-0.0111	0.0108	0.0011	0.0046
0.0180	-0.0223	0.0074	0.0357	0.0092	-0.0125	-0.0203	
-0.0022	0.0075	-0.0270	0.0446	0.0005	0.0116	-0.0080	0.0247
0.0500	-0.0129	-0.0165	0.0363	0.0072	-0.0636	-0.0261	

Columns 3,331 through 3,345

-0.0087	-0.0135	0.0563	0.0086	-0.0163	0.0102	-0.0124	0.0205
-0.0178	-0.0146	-0.0081	-0.0320	0.0046	0.0003	0.0118	
-0.0286	0.0380	-0.0010	0.0231	0.0111	-0.0335	0.0423	0.0108
0.0382	0.0207	0.0120	-0.0562	0.0045	-0.0099	-0.0278	

Assignment 1

Sai Rohith Tanuku

-0.0159	0.0522	-0.0417	0.0176	0.0276	-0.0462	0.0561	-0.0101
0.0573	0.0492	0.0284	-0.0598	0.0036	-0.0228	-0.0367	

Columns 3,346 through 3,360

-0.0082	0.0084	-0.0015	-0.0297	-0.0057	0.0060	-0.0065	-0.0032
0.0261	0.0061	-0.0284	0.0154	0.0360	-0.0160	0.0193	
0.0040	0.0133	-0.0130	-0.0039	-0.0184	-0.0010	0.0156	-0.0141
0.0087	-0.0031	-0.0082	0.0296	0.0244	-0.0005	0.0241	
0.0166	0.0150	-0.0100	0.0136	-0.0067	0.0036	0.0355	-0.0128
-0.0174	-0.0050	0.0296	0.0250	0.0007	0.0034	0.0151	

Columns 3,361 through 3,375

-0.0136	-0.0179	-0.0233	-0.0143	0.0093	0.0080	0.0240	0.0076
-0.0254	-0.0143	-0.0002	0.0259	0.0019	-0.0242	-0.0121	
0.0238	0.0264	-0.0244	-0.0035	0.0003	0.0229	-0.0294	-0.0130
0.0242	0.0085	-0.0234	0.0095	-0.0108	-0.0122	-0.0613	
0.0409	0.0507	-0.0262	0.0165	-0.0065	0.0127	-0.0586	-0.0222
0.0527	0.0142	-0.0366	-0.0028	-0.0204	0.0053	-0.0610	

Columns 3,376 through 3,390

-0.0037	-0.0061	0.0178	0.0290	-0.0349	0.0131	0.0516	0.0155
-0.0080	-0.0001	0.0010	0.0058	-0.0053	-0.0174	-0.0219	
-0.0086	0.0035	0.0652	-0.0337	-0.0202	-0.0267	-0.0205	-0.0072
-0.0323	-0.0031	-0.0148	0.0135	0.0037	0.0121	0.0267	
-0.0048	0.0069	0.0629	-0.0668	0.0073	-0.0587	-0.0736	-0.0162
-0.0177	-0.0037	-0.0201	0.0104	0.0115	0.0201	0.0424	

Columns 3,391 through 3,405

0.0185	0.0128	-0.0209	0.0031	0.0157	0.0286	0.0226	0.0220
-0.0002	0.0367	-0.0368	-0.0144	-0.0126	-0.0122	-0.0007	
0.0057	-0.0314	0.0007	0.0251	-0.0004	0.0132	-0.0179	0.0448
0.0194	0.0060	-0.0399	0.0018	-0.0082	-0.0201	-0.0023	
-0.0096	-0.0504	0.0173	0.0188	-0.0146	-0.0100	-0.0388	0.0372
0.0309	-0.0161	-0.0092	0.0318	0.0169	-0.0179	-0.0109	

Columns 3,406 through 3,420

-0.0215	-0.0131	0.0035	-0.0284	0.0188	-0.0264	0.0109	0.0171
0.0067	0.0226	0.0065	0.0181	-0.0125	0.0180	0.0280	
0.0164	-0.0095	0.0109	0.0007	0.0366	0.0037	0.0035	0.0143
0.0031	-0.0096	0.0077	-0.0084	0.0041	0.0207	0.0328	
0.0376	-0.0091	0.0166	0.0222	0.0008	0.0270	-0.0068	-0.0204
-0.0024	-0.0282	-0.0099	-0.0278	0.0165	0.0057	0.0212	

Columns 3,421 through 3,435

0.0039	0.0271	-0.0288	0.0466	0.0117	0.0191	-0.0019	-0.0121
-0.0101	0.0197	-0.0269	0.0174	0.0101	0.0113	-0.0190	
-0.0256	-0.0484	-0.0251	0.0267	0.0086	0.0039	0.0092	0.0171
0.0086	0.0192	-0.0317	0.0043	0.0105	-0.0201	0.0063	
-0.0227	-0.0761	-0.0071	-0.0267	0.0008	-0.0082	0.0236	0.0253
0.0206	0.0090	0.0057	-0.0052	0.0106	-0.0341	0.0320	

Columns 3,436 through 3,450

Assignment 1

Sai Rohith Tanuku

0.0218	0.0209	0.0034	-0.0319	-0.0102	0.0101	0.0014	-0.0137
0.0022	-0.0097	0.0236	0.0370	0.0752	-0.0187	-0.0170	
-0.0097	0.0096	-0.0144	0.0360	-0.0165	0.0131	0.0479	-0.0078
0.0265	-0.0216	0.0294	-0.0164	0.0021	-0.0237	-0.0112	
-0.0290	-0.0192	-0.0207	0.0775	-0.0218	-0.0021	0.0481	-0.0033
0.0206	-0.0119	-0.0017	-0.0453	-0.0696	-0.0221	0.0179	

Columns 3,451 through 3,465

0.0110	0.0079	-0.0139	0.0399	0.0072	0.0008	-0.0096	-0.0117
0.0306	0.0106	0.0307	0.0069	0.0093	0.0010	-0.0217	
-0.0107	0.0234	-0.0250	0.0058	0.0178	0.0063	0.0127	-0.0086
0.0042	0.0120	-0.0039	0.0392	-0.0187	0.0066	0.0042	
-0.0059	0.0259	-0.0080	-0.0010	0.0055	0.0118	0.0273	0.0128
-0.0183	0.0071	-0.0418	0.0353	-0.0340	0.0152	0.0134	

Columns 3,466 through 3,480

-0.0243	-0.0337	-0.0338	0.0379	-0.0020	0.0241	0.0002	0.0159
0.0250	0.0064	0.0211	0.0059	-0.0128	-0.0079	0.0042	
0.0146	-0.0467	-0.0119	-0.0161	-0.0016	0.0087	0.0240	0.0268
0.0211	0.0012	0.0218	0.0071	-0.0177	0.0096	-0.0272	
0.0342	-0.0197	0.0179	-0.0564	-0.0008	-0.0172	0.0388	0.0145
0.0082	-0.0104	0.0033	-0.0003	0.0043	0.0249	-0.0251	

Columns 3,481 through 3,495

-0.0013	0.0452	0.0060	0.0027	0.0117	-0.0161	0.0282	0.0218
-0.0083	-0.0202	-0.0265	-0.0326	0.0106	-0.0093	0.0161	
0.0159	-0.0602	-0.0178	0.0117	0.0192	0.0281	0.0078	0.0075
-0.0110	-0.0204	0.0126	-0.0096	-0.0001	-0.0090	-0.0258	
0.0107	-0.1229	-0.0305	0.0188	0.0275	0.0341	-0.0138	0.0055
-0.0256	0.0039	0.0407	0.0083	-0.0028	0.0039	-0.0436	

Columns 3,496 through 3,510

-0.0311	-0.0241	0.0023	-0.0035	0.0011	-0.0153	0.0070	-0.0024
0.0289	0.0217	0.0031	0.0122	-0.0145	0.0164	-0.0292	
-0.0408	-0.0171	0.0102	-0.0052	0.0318	-0.0210	0.0363	-0.0115
0.0172	0.0238	0.0142	-0.0129	0.0158	-0.0278	-0.0511	
-0.0125	-0.0015	0.0025	0.0075	0.0303	-0.0088	0.0223	-0.0065
0.0034	-0.0032	0.0004	-0.0227	0.0311	-0.0494	-0.0384	

Columns 3,511 through 3,525

0.0164	-0.0189	-0.0156	0.0037	0.0376	0.0277	0.0119	-0.0157
0.0078	0.0296	-0.0302	0.0103	0.0030	0.0215	-0.0092	
0.0113	-0.0326	-0.0571	-0.0004	0.0413	0.0293	-0.0228	0.0107
0.0252	0.0289	0.0193	0.0403	0.0379	-0.0185	-0.0045	
-0.0073	-0.0113	-0.0554	-0.0033	0.0171	0.0063	-0.0272	0.0363
0.0264	0.0085	0.0373	0.0382	0.0554	-0.0297	-0.0007	

Columns 3,526 through 3,540

0.0377	0.0071	0.0019	-0.0296	-0.0210	-0.0191	0.0017	-0.0165
-0.0191	-0.0373	-0.0345	-0.0025	0.0106	0.0242	0.0111	

Assignment 1

Sai Rohith Tanuku

-0.0186	0.0154	0.0512	-0.0593	0.0200	-0.0158	-0.0043	-0.0197
0.0226	-0.0067	-0.0050	0.0212	0.0280	-0.0202	-0.0183	
-0.0470	-0.0013	0.0653	-0.0486	0.0442	-0.0056	-0.0007	-0.0050
0.0387	0.0160	0.0270	0.0364	0.0249	-0.0469	-0.0317	

Columns 3,541 through 3,555

0.0228	0.0196	-0.0204	0.0153	-0.0313	0.0430	0.0055	0.0115
0.0234	-0.0139	0.0001	-0.0317	0.0200	0.0296	-0.0227	
0.0202	0.0403	0.0344	-0.0055	-0.0448	-0.0344	-0.0193	0.0327
0.0009	0.0123	-0.0023	-0.0513	0.0318	0.0466	-0.0113	
0.0036	0.0290	0.0640	-0.0241	-0.0313	-0.0643	-0.0254	0.0310
-0.0104	0.0327	-0.0090	-0.0263	0.0184	0.0227	0.0010	

Columns 3,556 through 3,570

-0.0499	-0.0411	-0.0474	-0.0200	-0.0539	-0.0207	0.0022	-0.0052
0.0008	0.0139	-0.0021	0.0061	0.0099	-0.0325	-0.0122	
0.0085	-0.0294	-0.0136	0.0360	0.0066	-0.0072	-0.0248	-0.0012
-0.0218	0.0095	0.0396	0.0188	0.0230	-0.0082	0.0054	
0.0468	-0.0024	0.0080	0.0491	0.0406	0.0205	-0.0311	0.0017
-0.0396	0.0065	0.0556	0.0271	0.0026	0.0171	0.0256	

Columns 3,571 through 3,585

-0.0262	0.0016	-0.0138	-0.0209	-0.0011	0.0026	-0.0000	0.0346
-0.0080	0.0146	0.0075	0.0155	-0.0044	0.0151	-0.0156	
0.0135	0.0166	0.0016	-0.0427	-0.0125	0.0138	0.0035	-0.0226
-0.0080	0.0122	-0.0310	-0.0119	0.0281	-0.0480	-0.0029	
0.0372	0.0230	0.0212	-0.0323	-0.0014	0.0125	-0.0039	-0.0502
-0.0105	-0.0008	-0.0458	-0.0192	0.0364	-0.0757	0.0008	

Columns 3,586 through 3,600

0.0140	0.0620	0.0512	-0.0080	0.0301	-0.0179	-0.0056	0.0091
-0.0094	0.0039	0.0029	-0.0247	-0.0102	-0.0069	0.0326	
0.0274	-0.0091	-0.0007	-0.0137	0.0231	-0.0130	-0.0334	0.0105
0.0192	0.0079	0.0168	-0.0319	-0.0275	-0.0153	0.0071	
0.0209	-0.0440	-0.0500	0.0043	0.0142	0.0003	-0.0279	-0.0006
0.0357	0.0245	0.0200	-0.0118	-0.0199	-0.0003	-0.0162	

Columns 3,601 through 3,615

-0.0253	0.0301	0.0041	-0.0107	0.0142	0.0070	-0.0130	0.0109
0.0025	-0.0178	-0.0020	-0.0330	-0.0025	0.0070	-0.0044	
-0.0142	0.0336	-0.0072	0.0130	0.0165	0.0240	0.0024	0.0233
-0.0053	0.0206	0.0128	-0.0375	0.0163	0.0105	0.0425	
0.0074	-0.0015	-0.0170	0.0254	0.0073	0.0334	0.0138	0.0106
0.0105	0.0260	0.0137	-0.0188	0.0127	-0.0100	0.0547	

Columns 3,616 through 3,630

-0.0299	0.0123	-0.0388	0.0115	0.0356	-0.0230	0.0411	0.0217
0.0128	-0.0351	-0.0308	0.0321	0.0062	0.0022	-0.0226	
-0.0235	0.0295	-0.0041	-0.0407	0.0025	0.0066	0.0337	-0.0290
0.0028	-0.0247	0.0352	-0.0028	0.0195	-0.0027	0.0125	
-0.0086	0.0136	0.0252	-0.0633	-0.0149	0.0174	-0.0101	-0.0558
-0.0050	-0.0009	0.0632	-0.0196	0.0059	0.0049	0.0320	

Columns 3,631 through 3,645

-0.0485	-0.0024	-0.0363	0.0103	0.0182	-0.0161	-0.0020	0.0268
-0.0339	-0.0182	-0.0153	-0.0404	0.0181	0.0328	0.0364	
-0.0235	0.0347	-0.0645	0.0083	0.0067	-0.0301	-0.0163	0.0229
-0.0312	0.0098	-0.0642	-0.0547	0.0064	0.0283	-0.0230	
0.0284	0.0415	-0.0482	-0.0003	-0.0132	-0.0274	-0.0109	0.0067
-0.0076	0.0385	-0.0561	-0.0269	-0.0043	0.0012	-0.0490	

Columns 3,646 through 3,660

-0.0097	0.0034	0.0014	-0.0334	-0.0200	-0.0138	0.0305	0.0099
-0.0070	-0.0313	0.0082	0.0226	-0.0487	-0.0166	0.0003	
0.0123	0.0064	-0.0015	-0.0120	0.0352	-0.0299	0.0060	0.0035
-0.0050	-0.0003	0.0177	-0.0142	-0.0498	-0.0184	0.0054	
0.0205	-0.0006	0.0075	0.0098	0.0462	-0.0177	-0.0282	-0.0071
-0.0095	0.0309	0.0215	-0.0459	-0.0167	-0.0084	0.0057	

Columns 3,661 through 3,675

0.0107	-0.0146	0.0204	-0.0399	0.0134	0.0192	0.0184	-0.0011
0.0000	0.0101	0.0197	-0.0180	0.0075	-0.0112	0.0086	
0.0062	0.0221	0.0483	-0.0292	0.0235	0.0023	-0.0097	-0.0214
-0.0016	0.0162	0.0140	-0.0390	0.0102	-0.0006	0.0416	
-0.0036	0.0465	0.0312	0.0150	0.0198	-0.0173	-0.0369	-0.0278
-0.0006	0.0085	-0.0004	-0.0276	-0.0054	0.0050	0.0362	

Columns 3,676 through 3,690

-0.0106	0.0399	-0.0257	0.0067	0.0185	-0.0309	-0.0305	0.0134
-0.0130	0.0231	0.0324	-0.0287	-0.0129	0.0003	0.0081	
-0.0204	-0.0062	-0.0418	-0.0140	0.0215	-0.0202	-0.0063	-0.0010
-0.0120	0.0196	0.0002	-0.0148	0.0151	-0.0280	0.0098	
-0.0076	-0.0376	-0.0224	-0.0348	0.0043	0.0003	0.0285	-0.0095
-0.0077	-0.0045	-0.0323	0.0089	0.0302	-0.0287	-0.0007	

Columns 3,691 through 3,705

0.0326	0.0055	-0.0227	0.0028	-0.0111	-0.0018	0.0297	0.0527
-0.0263	0.0128	-0.0667	-0.0108	-0.0111	0.0009	0.0136	
0.0034	0.0376	-0.0057	0.0066	0.0028	-0.0217	0.0205	-0.0268
-0.0445	-0.0092	0.0172	0.0061	-0.0232	0.0002	-0.0145	
-0.0217	0.0263	0.0245	0.0017	0.0143	-0.0198	-0.0065	-0.0614
-0.0233	-0.0047	0.0746	0.0030	-0.0101	0.0032	-0.0275	

Columns 3,706 through 3,720

0.0194	0.0284	-0.0058	0.0008	0.0376	-0.0051	0.0087	0.0034
0.0230	0.0154	-0.0111	0.0030	0.0035	-0.0476	-0.0309	
0.0077	0.0506	-0.0031	0.0290	0.0086	-0.0218	0.0074	0.0155
-0.0090	-0.0384	-0.0238	-0.0302	-0.0199	-0.0262	0.0036	
-0.0088	0.0303	0.0173	0.0177	-0.0109	-0.0253	-0.0063	0.0132
-0.0467	-0.0626	-0.0226	-0.0458	-0.0329	0.0111	0.0295	

Columns 3,721 through 3,735

0.0008	0.0176	-0.0001	-0.0267	-0.0139	0.0066	0.0125	-0.0276
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Assignment 1

Sai Rohith Tanuku

0.0034	0.0289	0.0418	0.0200	-0.0046	-0.0148	0.0033	
0.0168	-0.0118	-0.0079	0.0333	-0.0138	0.0065	0.0021	-0.0283
-0.0177	0.0172	0.0019	-0.0064	0.0018	-0.0030	0.0061	
0.0123	-0.0361	-0.0269	0.0779	-0.0164	0.0119	0.0027	-0.0055
-0.0332	0.0023	-0.0341	-0.0372	0.0072	-0.0048	0.0216	

Columns 3,736 through 3,750

0.0170	-0.0231	0.0011	-0.0562	-0.0098	0.0094	0.0069	-0.0000
0.0247	-0.0416	-0.0311	0.0145	-0.0291	-0.0283	0.0234	
0.0042	-0.0090	0.0086	-0.0117	-0.0475	0.0149	0.0181	0.0015
0.0141	-0.0126	-0.0406	0.0262	0.0004	-0.0252	-0.0253	
-0.0061	0.0002	0.0237	0.0272	-0.0492	0.0112	0.0199	0.0030
0.0106	0.0253	-0.0156	0.0157	0.0171	-0.0001	-0.0441	

Columns 3,751 through 3,765

0.0173	0.0071	-0.0116	0.0104	0.0011	0.0129	0.0115	0.0124
-0.0093	0.0101	0.0044	0.0249	-0.0179	-0.0046	0.0155	
-0.0121	0.0139	0.0099	0.0237	0.0146	0.0524	-0.0422	0.0041
-0.0034	-0.0090	0.0105	-0.0098	0.0106	-0.0179	-0.0297	
-0.0337	0.0069	0.0146	0.0261	0.0125	0.0563	-0.0615	-0.0136
0.0036	-0.0130	0.0021	-0.0444	0.0148	-0.0102	-0.0578	

Columns 3,766 through 3,780

0.0126	0.0098	-0.0080	0.0203	0.0098	0.0236	0.0336	0.0031
0.0073	0.0229	0.0363	0.0166	-0.0125	-0.0244	0.0686	
0.0173	-0.0087	0.0108	-0.0028	0.0190	0.0160	-0.0106	-0.0085
0.0054	0.0551	0.0160	-0.0113	-0.0205	0.0278	-0.0235	
0.0132	-0.0093	0.0272	-0.0177	0.0061	-0.0005	-0.0465	-0.0072
0.0117	0.0389	-0.0032	-0.0351	-0.0245	0.0493	-0.0806	

Columns 3,781 through 3,795

0.0594	-0.0120	0.0010	-0.0181	-0.0219	-0.0219	-0.0068	0.0009
-0.0055	-0.0222	0.0103	0.0199	-0.0164	-0.0203	0.0099	
0.0362	-0.0056	-0.0191	-0.0057	-0.0171	0.0174	-0.0077	-0.0141
0.0022	-0.0010	0.0157	-0.0220	-0.0052	0.0049	0.0125	
-0.0095	0.0154	-0.0336	-0.0070	0.0067	0.0482	-0.0071	-0.0008
0.0060	0.0086	0.0083	-0.0524	0.0062	0.0175	0.0044	

Columns 3,796 through 3,810

0.0208	0.0278	0.0140	0.0013	0.0111	-0.0272	0.0007	0.0108
-0.0213	0.0074	-0.0254	-0.0074	-0.0158	-0.0221	-0.0049	
0.0014	-0.0273	0.0087	-0.0044	0.0338	-0.0253	0.0006	0.0115
-0.0174	0.0543	-0.0094	-0.0378	0.0190	-0.0471	0.0290	
-0.0100	-0.0566	-0.0022	-0.0164	0.0262	0.0079	0.0077	0.0034
-0.0114	0.0602	0.0141	-0.0203	0.0391	-0.0438	0.0364	

Columns 3,811 through 3,825

-0.0047	-0.0120	0.0336	0.0009	0.0161	-0.0101	0.0083	0.0245
-0.0185	0.0042	0.0085	0.0033	0.0388	-0.0165	0.0021	
0.0249	-0.0172	-0.0177	0.0419	0.0034	-0.0215	-0.0155	0.0069
0.0298	0.0351	0.0091	0.0134	0.0165	-0.0263	0.0020	
0.0463	-0.0154	-0.0492	0.0453	-0.0156	-0.0230	-0.0253	-0.0071

Assignment 1

Sai Rohith Tanuku

0.0527 0.0274 0.0091 0.0149 -0.0124 -0.0027 -0.0010

Columns 3,826 through 3,840

-0.0131 0.0020 -0.0248 0.0068 0.0430 0.0050 0.0085 0.0282
 -0.0431 -0.0071 -0.0179 0.0432 0.0312 -0.0433 0.0006
 -0.0070 -0.0012 -0.0050 -0.0667 -0.0065 0.0100 -0.0019 -0.0067
 -0.0270 -0.0101 -0.0154 -0.0053 -0.0076 -0.0000 0.0018
 0.0092 0.0043 0.0177 -0.0816 -0.0412 -0.0004 -0.0148 -0.0312
 -0.0040 0.0089 0.0012 -0.0419 -0.0426 0.0314 0.0035

Columns 3,841 through 3,855

-0.0170 -0.0066 0.0320 0.0182 -0.0047 -0.0623 0.0154 0.0136
 0.0281 -0.0412 -0.0258 0.0109 0.0091 0.0119 -0.0058
 -0.0080 -0.0304 0.0172 0.0218 0.0014 -0.0037 0.0085 0.0364
 -0.0002 0.0097 0.0022 -0.0139 0.0543 -0.0339 -0.0221
 0.0025 -0.0373 -0.0174 0.0207 -0.0040 0.0504 -0.0148 0.0287
 -0.0197 0.0497 0.0164 -0.0384 0.0607 -0.0599 -0.0285

Columns 3,856 through 3,870

-0.0696 -0.0087 0.0267 -0.0106 0.0198 0.0230 0.0125 -0.0180
 -0.0137 0.0019 0.0312 0.0072 -0.0297 0.0263 0.0114
 -0.0067 -0.0013 0.0004 -0.0155 0.0229 0.0012 -0.0226 0.0190
 0.0204 0.0305 0.0046 0.0306 0.0246 -0.0235 -0.0234
 0.0546 0.0055 -0.0213 -0.0108 0.0093 -0.0194 -0.0414 0.0214
 0.0360 0.0291 -0.0215 0.0152 0.0604 -0.0368 -0.0326

Columns 3,871 through 3,885

-0.0114 0.0285 0.0006 -0.0062 0.0173 -0.0233 0.0014 -0.0192
 -0.0196 -0.0091 0.0052 0.0227 -0.0161 0.0136 -0.0404
 0.0257 -0.0006 0.0119 0.0067 0.0371 0.0041 0.0068 0.0330
 -0.0130 -0.0138 -0.0241 -0.0155 -0.0039 -0.0148 -0.0442
 0.0510 -0.0274 0.0261 -0.0021 0.0225 0.0235 0.0096 0.0396
 -0.0062 -0.0095 -0.0413 -0.0389 0.0067 -0.0257 -0.0104

Columns 3,886 through 3,900

-0.0030 -0.0109 -0.0356 0.0120 -0.0094 -0.0007 -0.0283 -0.0087
 -0.0376 0.0004 0.0387 -0.0214 -0.0230 -0.0055 0.0117
 -0.0350 0.0056 0.0243 0.0354 0.0446 -0.0265 0.0302 -0.0019
 -0.0235 -0.0155 0.0241 -0.0089 -0.0353 0.0305 0.0239
 -0.0410 0.0133 0.0622 0.0345 0.0518 -0.0303 0.0611 0.0033
 -0.0001 -0.0227 -0.0084 -0.0095 -0.0111 0.0457 0.0194

Columns 3,901 through 3,915

0.0038 0.0255 -0.0199 0.0133 -0.0044 0.0183 0.0089 -0.0377
 -0.0053 0.0004 0.0192 0.0237 -0.0143 -0.0400 -0.0107
 -0.0010 -0.0131 -0.0213 -0.0280 0.0013 -0.0125 0.0043 -0.0013
 -0.0089 -0.0257 0.0016 -0.0123 -0.0231 0.0080 -0.0476
 -0.0011 -0.0319 -0.0071 -0.0444 0.0080 -0.0353 0.0061 0.0305
 -0.0065 -0.0175 -0.0039 -0.0377 0.0029 0.0381 -0.0406

Columns 3,916 through 3,930

Assignment 1

Sai Rohith Tanuku

-0.0088	-0.0090	0.0192	-0.0166	-0.0175	0.0398	-0.0115	0.0198
0.0115	0.0158	0.0092	-0.0205	0.0207	-0.0166	0.0105	
0.0075	-0.0083	-0.0163	-0.0008	-0.0090	0.0104	-0.0070	0.0250
0.0295	0.0122	0.0134	0.0136	0.0165	-0.0001	0.0192	
0.0153	-0.0018	-0.0444	0.0018	0.0057	-0.0145	0.0152	0.0075
0.0274	-0.0053	0.0067	0.0331	-0.0017	0.0086	0.0152	

Columns 3,931 through 3,945

-0.0206	-0.0025	-0.0185	-0.0309	-0.0018	0.0241	-0.0099	-0.0165
-0.0044	-0.0156	0.0014	0.0707	0.0176	0.0096	0.0072	
-0.0307	-0.0103	0.0172	-0.0148	-0.0005	-0.0186	0.0165	0.0208
0.0209	-0.0104	0.0198	0.0083	0.0155	-0.0124	0.0072	
-0.0263	-0.0188	0.0418	0.0159	0.0007	-0.0576	0.0177	0.0485
0.0241	-0.0177	0.0178	-0.0522	0.0110	-0.0218	-0.0007	

Columns 3,946 through 3,960

-0.0058	0.0350	0.0208	-0.0255	0.0088	0.0191	-0.0231	0.0091
-0.0223	0.0130	0.0112	-0.0098	0.0308	-0.0259	-0.0364	
0.0551	0.0090	-0.0121	0.0038	-0.0368	0.0321	-0.0260	0.0141
-0.0025	0.0164	-0.0095	-0.0036	0.0336	0.0004	0.0124	
0.0539	-0.0189	-0.0441	0.0158	-0.0508	0.0223	-0.0117	0.0077
0.0116	0.0212	-0.0156	-0.0059	0.0137	0.0129	0.0329	

Columns 3,961 through 3,975

-0.0081	-0.0127	0.0039	0.0443	-0.0020	-0.0003	-0.0137	0.0031
0.0401	0.0289	0.0111	0.0149	0.0043	0.0235	0.0328	
-0.0221	-0.0048	-0.0376	0.0132	-0.0014	0.0092	0.0248	-0.0153
0.0332	0.0007	-0.0224	-0.0051	-0.0329	0.0379	-0.0390	
-0.0081	0.0027	-0.0517	-0.0202	-0.0118	0.0343	0.0373	-0.0240
0.0137	-0.0204	-0.0407	-0.0103	-0.0408	0.0215	-0.0613	

Columns 3,976 through 3,990

0.0013	-0.0045	0.0110	0.0358	0.0428	-0.0188	0.0053	0.0299
-0.0406	-0.0305	-0.0160	0.0031	0.0062	-0.0332	0.0265	
-0.0262	-0.0404	-0.0198	-0.0578	0.0218	-0.0097	-0.0230	-0.0190
-0.0189	-0.0140	-0.0443	0.0110	0.0015	0.0022	0.0210	
-0.0276	-0.0361	-0.0234	-0.0950	-0.0114	-0.0013	-0.0303	-0.0416
0.0295	0.0081	-0.0316	0.0106	-0.0013	0.0445	0.0023	

Columns 3,991 through 4,005

-0.0310	-0.0154	-0.0126	-0.0030	-0.0465	-0.0272	0.0185	-0.0206
-0.0184	0.0128	-0.0072	-0.0129	-0.0032	-0.0313	0.0274	
-0.0072	-0.0118	0.0003	-0.0075	-0.0228	0.0173	0.0120	-0.0128
-0.0275	-0.0144	0.0017	0.0081	-0.0151	0.0057	-0.0149	
0.0096	-0.0012	0.0126	-0.0092	0.0135	0.0394	-0.0187	-0.0064
-0.0158	-0.0179	0.0055	0.0344	-0.0106	0.0400	-0.0331	

Columns 4,006 through 4,020

-0.0018	0.0165	-0.0096	-0.0126	-0.0185	-0.0070	-0.0057	-0.0190
-0.0152	-0.0273	0.0339	0.0038	0.0412	-0.0370	0.0055	
-0.0042	-0.0210	-0.0497	-0.0085	-0.0195	0.0361	0.0286	-0.0172
-0.0078	-0.0153	-0.0054	0.0141	-0.0047	0.0255	0.0238	

Assignment 1

Sai Rohith Tanuku

-0.0135	-0.0263	-0.0402	-0.0002	-0.0005	0.0483	0.0351	-0.0031
0.0193	0.0011	-0.0384	-0.0036	-0.0436	0.0635	0.0170	

Columns 4,021 through 4,035

0.0097	0.0261	-0.0008	-0.0056	0.0547	-0.0401	0.0333	0.0306
-0.0009	0.0229	0.0447	-0.0070	0.0168	0.0178	0.0218	
0.0590	-0.0174	-0.0260	0.0475	0.0181	-0.0416	0.0050	0.0157
0.0004	-0.0149	-0.0327	0.0379	-0.0034	-0.0035	0.0202	
0.0573	-0.0532	-0.0416	0.0666	-0.0037	-0.0063	-0.0249	-0.0093
0.0091	-0.0456	-0.0826	0.0480	-0.0275	-0.0136	0.0104	

Columns 4,036 through 4,050

-0.0095	-0.0140	0.0129	-0.0108	0.0318	0.0176	-0.0054	0.0002
0.0178	-0.0097	0.0510	0.0437	0.0027	0.0365	0.0147	
0.0323	-0.0322	0.0186	-0.0169	0.0238	0.0085	-0.0268	-0.0096
0.0127	0.0351	0.0009	0.0130	0.0223	0.0109	-0.0153	
0.0573	-0.0291	0.0197	-0.0132	-0.0176	-0.0039	-0.0255	-0.0173
-0.0015	0.0374	-0.0501	-0.0294	0.0176	-0.0249	-0.0277	

Columns 4,051 through 4,065

0.0065	0.0210	-0.0119	0.0113	-0.0194	-0.0027	-0.0169	-0.0483
-0.0123	-0.0232	0.0061	-0.0043	-0.0140	-0.0318	0.0215	
-0.0068	0.0007	0.0080	0.0439	-0.0037	0.0154	-0.0091	-0.0286
-0.0115	0.0488	0.0100	0.0212	-0.0186	-0.0180	0.0033	
-0.0169	-0.0062	0.0137	0.0453	0.0125	0.0122	0.0129	-0.0121
-0.0071	0.0879	0.0080	0.0312	-0.0163	0.0086	-0.0229	

Columns 4,066 through 4,080

0.0090	0.0060	-0.0005	-0.0093	-0.0063	0.0067	0.0178	0.0256
-0.0292	0.0402	-0.0104	-0.0058	-0.0050	0.0200	-0.0075	
-0.0257	-0.0278	-0.0093	0.0193	-0.0242	-0.0060	-0.0250	-0.0486
-0.0135	0.0322	-0.0109	-0.0277	-0.0157	0.0057	-0.0112	
-0.0438	-0.0341	-0.0119	0.0155	-0.0342	-0.0232	-0.0558	-0.0813
0.0022	-0.0100	-0.0047	-0.0263	-0.0063	-0.0159	-0.0063	

Columns 4,081 through 4,095

-0.0195	-0.0171	0.0343	-0.0322	-0.0146	-0.0174	0.0025	0.0117
-0.0075	-0.0257	-0.0051	-0.0120	-0.0241	0.0264	0.0376	
0.0005	-0.0061	-0.0201	-0.0036	0.0214	0.0072	0.0291	0.0129
0.0265	0.0236	0.0431	-0.0088	-0.0154	0.0085	0.0204	
0.0007	0.0106	-0.0323	0.0339	0.0430	0.0110	0.0297	-0.0062
0.0387	0.0346	0.0603	-0.0092	0.0029	-0.0038	-0.0112	

Columns 4,096 through 4,110

0.0089	-0.0138	-0.0224	0.0309	0.0105	0.0170	0.0165	-0.0322
-0.0020	-0.0225	0.0212	-0.0068	-0.0008	0.0505	-0.0138	
0.0128	0.0110	0.0212	-0.0090	-0.0039	0.0159	-0.0023	0.0171
-0.0068	0.0086	0.0098	0.0221	-0.0523	0.0166	0.0094	
-0.0078	0.0408	0.0342	-0.0341	-0.0089	0.0228	-0.0077	0.0489
-0.0078	0.0021	-0.0014	0.0133	-0.0547	-0.0246	0.0268	

Columns 4,111 through 4,125

0.0061	-0.0390	-0.0303	0.0213	-0.0028	0.0149	0.0225	0.0031
0.0211	0.0135	-0.0029	0.0307	0.0168	-0.0360	-0.0147	
0.0418	-0.0005	0.0285	0.0362	-0.0040	-0.0308	0.0189	-0.0206
-0.0116	-0.0210	0.0022	0.0166	-0.0008	-0.0047	-0.0129	
0.0385	0.0327	0.0514	0.0127	0.0073	-0.0524	-0.0020	-0.0279
-0.0412	-0.0440	0.0052	-0.0096	-0.0328	0.0239	0.0081	

Columns 4,126 through 4,140

-0.0298	-0.0058	0.0097	-0.0370	-0.0271	0.0092	-0.0374	0.0227
0.0353	0.0066	0.0132	-0.0181	-0.0291	0.0117	-0.0271	
-0.0240	0.0108	-0.0359	-0.0341	-0.0251	-0.0079	0.0134	0.0370
0.0030	-0.0268	-0.0065	0.0015	0.0060	-0.0119	-0.0080	
-0.0012	0.0214	-0.0373	-0.0075	0.0086	-0.0183	0.0543	0.0034
-0.0291	-0.0386	-0.0170	0.0118	0.0205	-0.0262	0.0111	

Columns 4,141 through 4,155

-0.0106	0.0246	-0.0030	-0.0196	0.0160	0.0127	-0.0172	-0.0369
0.0071	-0.0237	-0.0029	0.0132	0.0198	0.0192	0.0304	
0.0274	-0.0002	0.0104	-0.0046	-0.0124	0.0230	-0.0079	0.0064
-0.0208	-0.0180	0.0129	0.0169	0.0019	-0.0210	-0.0048	
0.0415	-0.0295	0.0222	0.0172	-0.0329	0.0118	0.0123	0.0507
-0.0278	-0.0246	0.0235	0.0117	-0.0155	-0.0462	-0.0383	

Columns 4,156 through 4,170

-0.0418	-0.0038	-0.0095	-0.0154	0.0141	-0.0183	-0.0267	0.0175
-0.0058	-0.0104	0.0125	0.0121	-0.0024	0.0141	-0.0132	
-0.0299	-0.0024	0.0435	0.0252	0.0156	0.0013	0.0141	-0.0075
0.0204	0.0173	-0.0021	0.0081	0.0051	-0.0194	-0.0233	
0.0079	0.0059	0.0499	0.0320	-0.0004	0.0121	0.0381	-0.0403
0.0277	0.0206	0.0040	0.0079	0.0131	-0.0417	-0.0132	

Columns 4,171 through 4,185

-0.0092	0.0173	0.0045	0.0174	0.0182	0.0086	0.0113	0.0209
0.0289	0.0175	-0.0568	-0.0481	0.0072	0.0312	-0.0025	
0.0205	0.0236	-0.0040	-0.0146	0.0173	0.0038	-0.0217	-0.0154
-0.0206	0.0188	0.0276	-0.0362	0.0228	0.0084	-0.0194	
0.0244	0.0164	0.0058	-0.0253	0.0078	0.0129	-0.0305	-0.0466
-0.0529	0.0029	0.0653	0.0102	0.0214	-0.0230	-0.0193	

Columns 4,186 through 4,200

-0.0169	-0.0402	-0.0296	0.0063	0.0159	0.0361	0.0137	-0.0212
0.0110	0.0008	0.0226	-0.0287	0.0174	-0.0187	0.0233	
0.0164	-0.0063	-0.0329	-0.0245	0.0034	0.0345	0.0111	0.0155
0.0280	-0.0434	-0.0012	-0.0227	-0.0024	0.0176	-0.0105	
0.0304	0.0456	0.0020	-0.0326	-0.0208	0.0245	-0.0117	0.0423
0.0194	-0.0470	-0.0189	-0.0094	-0.0210	0.0322	-0.0307	

Columns 4,201 through 4,215

0.0059	0.0199	-0.0210	0.0253	0.0001	0.0162	0.0057	-0.0063
-0.0085	-0.0377	-0.0400	0.0022	-0.0214	-0.0156	-0.0430	
0.0167	-0.0285	-0.0246	0.0296	-0.0497	0.0246	-0.0067	-0.0057

Assignment 1

Sai Rohith Tanuku

-0.0435	-0.0036	-0.0139	0.0205	0.0061	-0.0134	-0.0234	
0.0223	-0.0383	-0.0097	0.0148	-0.0643	0.0044	-0.0093	-0.0158
-0.0547	0.0152	0.0122	0.0134	0.0447	0.0037	0.0114	

Columns 4,216 through 4,230

0.0264	0.0131	-0.0074	-0.0217	-0.0381	0.0007	-0.0340	0.0078
-0.0030	-0.0288	0.0082	0.0102	-0.0205	-0.0003	0.0043	
0.0460	-0.0037	-0.0211	0.0109	-0.0104	0.0004	-0.0162	0.0194
-0.0269	-0.0136	0.0057	-0.0022	-0.0007	-0.0009	-0.0437	
0.0257	-0.0139	-0.0022	0.0244	0.0168	0.0073	-0.0089	0.0129
-0.0380	-0.0006	0.0094	-0.0029	0.0094	-0.0161	-0.0641	

Columns 4,231 through 4,245

-0.0079	-0.0243	0.0213	0.0185	0.0392	-0.0071	-0.0171	-0.0018
-0.0107	0.0309	0.0051	-0.0096	-0.0201	-0.0118	-0.0111	
0.0279	-0.0155	-0.0190	-0.0287	-0.0063	0.0053	-0.0056	-0.0076
0.0178	0.0491	0.0207	-0.0132	0.0083	0.0075	-0.0248	
0.0413	-0.0098	-0.0545	-0.0437	-0.0467	0.0191	0.0038	-0.0045
0.0276	0.0357	0.0111	-0.0123	0.0300	0.0186	-0.0259	

Columns 4,246 through 4,260

-0.0245	0.0010	0.0257	-0.0310	-0.0188	0.0018	0.0313	0.0213
-0.0326	-0.0221	-0.0070	-0.0033	0.0006	-0.0261	-0.0143	
-0.0022	-0.0119	0.0151	0.0199	-0.0162	-0.0352	0.0371	0.0242
-0.0250	-0.0248	0.0226	-0.0062	0.0082	0.0082	-0.0119	
0.0205	-0.0128	0.0032	0.0382	-0.0098	-0.0574	0.0151	0.0095
-0.0068	-0.0127	0.0238	-0.0098	0.0121	0.0354	0.0033	

Columns 4,261 through 4,275

0.0207	-0.0081	-0.0056	0.0266	-0.0184	0.0021	-0.0182	0.0187
-0.0034	-0.0418	0.0234	0.0089	-0.0349	-0.0212	0.0252	
0.0319	0.0358	-0.0451	0.0230	0.0234	-0.0069	0.0125	0.0173
-0.0237	0.0128	0.0163	-0.0017	-0.0106	-0.0061	0.0242	
0.0210	0.0321	-0.0344	0.0154	0.0461	0.0002	0.0415	0.0125
-0.0319	0.0531	-0.0155	-0.0168	0.0063	0.0201	0.0006	

Columns 4,276 through 4,290

0.0155	-0.0101	-0.0268	-0.0380	-0.0013	0.0017	-0.0249	-0.0080
0.0365	-0.0103	-0.0003	0.0205	0.0219	-0.0000	-0.0211	
0.0302	0.0150	0.0238	-0.0285	0.0020	-0.0128	-0.0031	-0.0188
0.0276	-0.0265	-0.0214	-0.0347	0.0394	0.0027	0.0125	
0.0467	0.0312	0.0506	-0.0129	0.0092	-0.0290	0.0232	-0.0039
0.0089	-0.0135	-0.0363	-0.0614	0.0306	0.0037	0.0364	

Columns 4,291 through 4,305

0.0107	-0.0123	-0.0129	0.0175	0.0199	0.0061	0.0046	0.0210
0.0315	0.0102	0.0246	-0.0332	-0.0093	-0.0092	0.0083	
0.0010	0.0222	-0.0140	0.0172	0.0373	-0.0112	-0.0012	-0.0005
0.0520	-0.0167	-0.0206	0.0025	-0.0434	-0.0206	0.0075	
-0.0035	0.0247	-0.0070	-0.0063	0.0313	-0.0180	-0.0158	-0.0246
0.0296	-0.0235	-0.0337	0.0319	-0.0578	-0.0200	-0.0000	

Columns 4,306 through 4,320

-0.0377	-0.0181	-0.0043	-0.0122	0.0105	-0.0452	-0.0244	-0.0034
0.0190	0.0322	-0.0283	-0.0008	-0.0095	-0.0046	0.0261	
-0.0319	0.0327	-0.0071	0.0311	-0.0088	-0.0083	-0.0034	-0.0056
0.0260	-0.0053	-0.0035	0.0437	-0.0083	-0.0318	0.0268	
0.0001	0.0618	-0.0184	0.0457	-0.0218	0.0102	0.0402	-0.0127
0.0102	-0.0296	0.0195	0.0552	0.0087	-0.0365	0.0086	

Columns 4,321 through 4,335

0.0094	-0.0059	0.0238	0.0184	0.0107	-0.0264	-0.0014	-0.0155
0.0130	-0.0486	-0.0094	-0.0164	0.0062	0.0134	0.0117	
-0.0029	-0.0406	-0.0121	0.0256	0.0099	-0.0113	-0.0068	0.0121
-0.0221	-0.0163	-0.0207	0.0102	-0.0278	0.0353	-0.0097	
-0.0148	-0.0531	-0.0300	0.0259	0.0042	0.0110	-0.0167	0.0283
-0.0424	0.0225	-0.0173	0.0096	-0.0360	0.0244	-0.0195	

Columns 4,336 through 4,350

0.0097	-0.0362	-0.0228	-0.0129	0.0171	0.0269	-0.0353	0.0269
-0.0069	0.0256	-0.0278	0.0136	-0.0125	0.0265	0.0016	
0.0026	0.0092	0.0029	-0.0196	0.0147	-0.0312	0.0293	0.0475
-0.0094	0.0109	0.0044	-0.0113	0.0163	-0.0072	0.0177	
-0.0046	0.0353	0.0137	-0.0195	-0.0056	-0.0654	0.0659	0.0445
-0.0122	-0.0119	0.0167	-0.0295	0.0342	-0.0548	0.0262	

Columns 4,351 through 4,365

0.0079	-0.0054	-0.0012	0.0620	0.0207	-0.0608	-0.0330	0.0130
-0.0072	0.0004	0.0435	0.0107	0.0303	-0.0353	-0.0076	
-0.0171	-0.0021	-0.0478	0.0055	-0.0147	-0.0080	-0.0056	0.0137
-0.0004	0.0106	0.0142	0.0305	-0.0062	0.0056	-0.0032	
-0.0134	0.0080	-0.0545	-0.0432	-0.0341	0.0467	0.0141	-0.0025
0.0094	0.0200	-0.0356	0.0240	-0.0471	0.0290	0.0159	

Columns 4,366 through 4,380

-0.0445	-0.0323	0.0106	0.0060	-0.0119	-0.0177	-0.0031	0.0113
0.0288	-0.0024	0.0130	-0.0096	-0.0173	-0.0204	-0.0236	
0.0176	-0.0045	-0.0033	0.0062	-0.0072	-0.0453	0.0153	0.0217
0.0416	0.0045	-0.0000	-0.0276	0.0328	0.0411	-0.0132	
0.0476	0.0367	-0.0017	-0.0044	-0.0013	-0.0409	0.0120	0.0181
0.0210	0.0054	-0.0272	-0.0222	0.0453	0.0546	0.0050	

Columns 4,381 through 4,395

0.0076	-0.0161	-0.0048	0.0279	-0.0259	0.0582	0.0346	-0.0079
-0.0290	0.0096	-0.0094	-0.0084	0.0095	-0.0026	-0.0200	
0.0042	0.0219	-0.0280	0.0232	-0.0005	0.0377	-0.0276	-0.0215
-0.0119	-0.0539	-0.0135	0.0145	-0.0230	0.0049	-0.0032	
0.0149	0.0397	-0.0282	0.0155	0.0276	0.0005	-0.0499	-0.0375
-0.0000	-0.0815	-0.0144	0.0246	-0.0298	0.0186	0.0097	

Columns 4,396 through 4,410

-0.0377	0.0300	0.0099	-0.0173	0.0141	0.0019	0.0061	-0.0273
-0.0012	-0.0105	-0.0148	0.0401	-0.0522	0.0316	-0.0312	

Assignment 1

Sai Rohith Tanuku

-0.0001	0.0334	0.0146	-0.0092	0.0177	0.0195	-0.0031	0.0075
0.0274	0.0221	-0.0375	-0.0096	-0.0164	-0.0169	-0.0483	
0.0480	0.0050	0.0038	0.0105	0.0147	0.0144	-0.0173	0.0310
0.0430	0.0397	-0.0335	-0.0457	0.0265	-0.0330	-0.0371	

Columns 4,411 through 4,425

-0.0483	0.0052	-0.0030	-0.0104	0.0015	0.0161	0.0240	-0.0034
-0.0024	-0.0453	-0.0162	-0.0238	-0.0020	-0.0277	-0.0186	
-0.0089	0.0155	0.0133	0.0114	-0.0209	0.0012	-0.0353	0.0100
-0.0299	0.0026	0.0079	0.0128	-0.0180	0.0044	-0.0008	
0.0232	0.0185	0.0110	0.0257	-0.0278	-0.0133	-0.0802	0.0057
-0.0268	0.0331	0.0219	0.0338	-0.0223	0.0325	0.0178	

Columns 4,426 through 4,440

-0.0011	-0.0024	0.0396	0.0265	-0.0191	0.0302	0.0094	-0.0075
0.0113	0.0079	0.0438	-0.0170	-0.0077	0.0470	0.0256	
-0.0387	0.0093	0.0193	-0.0059	0.0132	-0.0219	-0.0030	0.0094
-0.0171	-0.0079	0.0319	-0.0198	0.0049	0.0081	0.0056	
-0.0456	0.0112	-0.0101	-0.0233	0.0204	-0.0383	-0.0071	0.0342
-0.0311	-0.0101	0.0102	-0.0050	0.0161	-0.0222	-0.0118	

Columns 4,441 through 4,455

0.0130	0.0738	0.0330	-0.0055	-0.0127	-0.0029	0.0125	-0.0015
-0.0189	0.0149	0.0112	-0.0700	-0.0272	-0.0149	-0.0711	
0.0409	0.0094	0.0254	-0.0206	-0.0010	-0.0461	0.0102	-0.0036
-0.0127	0.0130	-0.0176	0.0277	-0.0446	0.0043	-0.0115	
0.0297	-0.0440	-0.0002	-0.0365	0.0101	-0.0507	-0.0127	-0.0088
0.0023	0.0104	-0.0442	0.0884	-0.0396	0.0349	0.0428	

Columns 4,456 through 4,470

-0.0331	0.0207	0.0434	0.0484	0.0093	-0.0063	-0.0418	-0.0661
-0.0182	0.0413	0.0137	-0.0379	-0.0146	0.0137	0.0332	
0.0295	0.0236	0.0245	0.0326	0.0144	0.0227	0.0413	-0.0148
-0.0068	0.0198	0.0036	-0.0396	-0.0165	0.0158	0.0059	
0.0546	0.0213	-0.0168	0.0017	0.0050	0.0258	0.0781	0.0336
0.0105	-0.0055	-0.0003	0.0054	-0.0160	0.0145	-0.0139	

Columns 4,471 through 4,485

0.0052	0.0015	0.0000	-0.0045	-0.0173	0.0033	-0.0520	-0.0491
0.0183	-0.0351	-0.0051	0.0149	-0.0241	-0.0100	-0.0042	
0.0077	0.0155	0.0105	0.0179	0.0049	-0.0083	-0.0044	-0.0100
0.0091	0.0316	0.0322	-0.0278	0.0371	-0.0108	0.0597	
0.0146	0.0046	0.0193	0.0408	0.0405	-0.0087	0.0452	0.0265
-0.0080	0.0653	0.0420	-0.0464	0.0627	0.0083	0.0716	

Columns 4,486 through 4,500

0.0152	0.0305	-0.0414	-0.0252	-0.0418	-0.0075	-0.0098	-0.0319
0.0374	-0.0153	0.0235	0.0067	-0.0094	-0.0220	0.0144	
0.0213	-0.0001	-0.0337	-0.0072	0.0238	-0.0059	-0.0272	-0.0345
-0.0142	-0.0178	0.0162	-0.0344	0.0175	-0.0129	0.0235	
0.0234	-0.0218	0.0148	0.0189	0.0581	0.0040	-0.0354	-0.0105
-0.0420	-0.0085	0.0016	-0.0338	0.0309	0.0059	0.0164	

Columns 4,501 through 4,515

0.0074	0.0484	0.0422	-0.0286	0.0194	-0.0009	0.0282	-0.0172
0.0294	0.0231	0.0238	0.0462	0.0313	0.0300	0.0174	
0.0013	-0.0113	0.0226	0.0234	0.0676	-0.0160	-0.0116	-0.0501
-0.0229	-0.0194	-0.0162	-0.0019	-0.0072	-0.0001	0.0100	
-0.0047	-0.0621	-0.0071	0.0651	0.0748	-0.0048	-0.0372	-0.0583
-0.0637	-0.0517	-0.0473	-0.0404	-0.0354	-0.0253	-0.0060	

Columns 4,516 through 4,530

-0.0261	-0.0362	0.0132	-0.0262	-0.0063	0.0365	0.0040	0.0544
-0.0210	-0.0058	-0.0194	0.0114	0.0201	-0.0225	-0.0205	
0.0212	-0.0033	0.0342	-0.0026	0.0150	-0.0072	-0.0537	0.0230
0.0037	-0.0408	-0.0278	0.0033	0.0329	0.0156	-0.0395	
0.0459	0.0370	0.0183	0.0033	0.0117	-0.0309	-0.0744	-0.0150
0.0213	-0.0415	-0.0061	-0.0118	0.0247	0.0264	-0.0399	

Columns 4,531 through 4,545

-0.0215	0.0076	-0.0157	0.0105	0.0001	0.0139	0.0114	-0.0298
0.0197	-0.0233	-0.0078	0.0066	-0.0051	-0.0091	0.0384	
0.0197	0.0025	0.0136	-0.0175	-0.0252	0.0198	-0.0335	-0.0018
0.0064	0.0247	-0.0179	-0.0229	0.0049	-0.0251	0.0476	
0.0488	-0.0151	0.0436	-0.0243	-0.0281	0.0107	-0.0444	0.0321
-0.0098	0.0506	-0.0207	-0.0243	0.0078	-0.0266	0.0208	

Columns 4,546 through 4,560

0.0400	0.0043	0.0104	-0.0069	-0.0112	-0.0022	0.0131	-0.0009
-0.0369	-0.0109	-0.0247	-0.0230	-0.0087	0.0101	-0.0472	
0.0023	0.0165	0.0460	0.0182	0.0021	0.0104	0.0530	0.0258
-0.0364	0.0065	0.0130	-0.0358	0.0164	-0.0068	0.0089	
-0.0178	0.0253	0.0404	0.0219	0.0157	0.0134	0.0442	0.0241
-0.0089	0.0201	0.0292	-0.0175	0.0357	-0.0223	0.0591	

Columns 4,561 through 4,575

0.0008	-0.0077	0.0305	-0.0234	-0.0186	-0.0099	0.0018	-0.0107
-0.0006	0.0472	-0.0004	-0.0131	-0.0043	-0.0050	0.0083	
-0.0186	-0.0438	-0.0216	0.0365	-0.0097	-0.0252	0.0439	0.0254
-0.0108	0.0179	0.0199	-0.0321	0.0154	-0.0185	0.0365	
-0.0217	-0.0430	-0.0519	0.0583	0.0018	-0.0214	0.0564	0.0428
-0.0036	-0.0331	0.0177	-0.0355	0.0242	-0.0246	0.0394	

Columns 4,576 through 4,590

-0.0002	0.0016	-0.0138	0.0009	-0.0259	0.0074	-0.0225	-0.0046
0.0144	0.0405	0.0176	-0.0181	-0.0050	0.0294	-0.0104	
-0.0238	-0.0102	0.0164	0.0010	0.0035	0.0306	0.0010	-0.0440
0.0402	0.0017	0.0110	-0.0044	-0.0272	-0.0091	0.0263	
-0.0218	-0.0137	0.0301	0.0027	0.0212	0.0186	0.0330	-0.0612
0.0344	-0.0282	-0.0021	0.0212	-0.0177	-0.0284	0.0365	

Columns 4,591 through 4,605

Assignment 1

Sai Rohith Tanuku

0.0041	0.0393	0.0218	-0.0347	-0.0103	0.0538	-0.0132	-0.0545
0.0052	0.0149	0.0031	0.0157	-0.0142	-0.0652	0.0207	
-0.0189	-0.0063	0.0170	0.0292	-0.0028	0.0086	-0.0160	-0.0032
-0.0379	-0.0119	0.0302	0.0079	-0.0338	-0.0028	0.0125	
-0.0334	-0.0489	0.0060	0.0693	0.0015	-0.0314	-0.0017	0.0364
-0.0387	-0.0149	0.0425	-0.0089	-0.0275	0.0487	-0.0053	

Columns 4,606 through 4,620

0.0042	-0.0006	-0.0129	-0.0211	-0.0013	0.0165	-0.0033	0.0458
0.0033	-0.0523	0.0140	-0.0006	-0.0032	0.0069	0.0083	
-0.0182	0.0064	0.0285	-0.0133	-0.0327	0.0046	-0.0159	-0.0005
0.0072	-0.0084	-0.0051	-0.0140	-0.0094	-0.0055	-0.0023	
-0.0167	0.0148	0.0376	0.0044	-0.0369	-0.0104	-0.0172	-0.0396
0.0028	0.0366	-0.0165	-0.0065	0.0011	0.0027	-0.0008	

Columns 4,621 through 4,635

0.0103	-0.0047	0.0006	-0.0154	-0.0027	-0.0028	0.0400	0.0322
-0.0180	-0.0335	0.0067	0.0234	0.0275	-0.0183	-0.0129	
0.0329	0.0057	-0.0053	-0.0145	0.0149	-0.0006	0.0224	0.0387
-0.0106	-0.0052	-0.0186	-0.0415	-0.0049	0.0312	-0.0012	
0.0198	0.0131	-0.0002	-0.0110	0.0275	-0.0041	-0.0017	0.0232
0.0038	0.0160	-0.0314	-0.0687	-0.0257	0.0520	0.0177	

Columns 4,636 through 4,650

-0.0009	-0.0206	-0.0004	-0.0083	-0.0209	-0.0151	-0.0462	0.0162
-0.0037	-0.0124	0.0238	0.0238	-0.0062	0.0254	-0.0273	
0.0360	0.0116	-0.0131	0.0337	0.0115	0.0222	-0.0121	-0.0167
0.0117	0.0210	-0.0005	0.0279	-0.0054	0.0254	-0.0273	
0.0522	0.0316	-0.0136	0.0369	0.0263	0.0412	0.0404	-0.0366
0.0140	0.0300	-0.0243	-0.0026	-0.0020	0.0109	-0.0273	

Columns 4,651 through 4,665

0.0155	-0.0134	0.0032	0.0564	-0.0037	0.0452	0.0036	0.0009
0.0081	-0.0570	0.0137	0.0083	0.0203	-0.0216	-0.0135	
0.0180	-0.0220	0.0047	-0.0198	0.0180	0.0055	0.0196	0.0082
-0.0007	-0.0122	0.0347	-0.0188	0.0235	-0.0013	-0.0047	
-0.0016	-0.0240	0.0068	-0.0655	0.0336	-0.0360	0.0248	0.0087
0.0041	0.0192	0.0030	-0.0330	0.0078	0.0307	0.0224	

Columns 4,666 through 4,680

-0.0330	0.0445	0.0281	-0.0104	-0.0211	0.0437	-0.0396	0.0175
-0.0116	-0.0399	-0.0171	-0.0032	-0.0046	-0.0178	0.0272	
-0.0411	0.0241	0.0193	0.0181	-0.0177	0.0065	-0.0125	0.0042
0.0088	-0.0232	-0.0186	0.0020	-0.0047	0.0069	0.0188	
-0.0265	-0.0080	0.0098	0.0290	-0.0104	-0.0069	0.0185	-0.0077
0.0168	0.0181	0.0172	-0.0020	0.0109	0.0416	-0.0008	

Columns 4,681 through 4,695

-0.0127	-0.0260	-0.0245	-0.0278	-0.0051	0.0370	0.0236	-0.0232
-0.0168	-0.0235	0.0132	0.0207	0.0398	-0.0086	0.0513	
0.0075	0.0158	0.0203	0.0193	-0.0050	-0.0002	-0.0155	0.0151
0.0315	0.0147	-0.0031	-0.0381	-0.0273	-0.0135	-0.0684	

Assignment 1

Sai Rohith Tanuku

0.0274	0.0543	0.0411	0.0448	-0.0049	-0.0267	-0.0305	0.0471
0.0330	0.0318	-0.0241	-0.0748	-0.0696	-0.0078	-0.1123	

Columns 4,696 through 4,710

-0.0200	-0.0330	-0.0038	-0.0249	0.0059	0.0510	-0.0101	0.0137
-0.0204	-0.0240	0.0027	0.0107	0.0423	0.0028	0.0168	
0.0178	0.0157	0.0046	-0.0104	0.0311	0.0053	-0.0244	0.0188
0.0053	-0.0298	0.0284	-0.0065	0.0544	-0.0043	-0.0041	
0.0472	0.0392	0.0108	0.0107	0.0290	-0.0317	-0.0269	0.0051
0.0308	-0.0228	0.0367	-0.0141	0.0363	0.0014	-0.0129	

Columns 4,711 through 4,725

-0.0126	0.0043	0.0278	0.0030	-0.0159	0.0129	-0.0009	0.0198
-0.0025	0.0089	0.0095	-0.0027	-0.0027	0.0058	-0.0532	
0.0028	0.0041	0.0382	0.0060	0.0215	0.0269	-0.0054	0.0092
-0.0025	0.0436	0.0057	-0.0108	-0.0001	-0.0091	-0.0234	
0.0308	-0.0033	0.0221	0.0016	0.0433	0.0155	-0.0074	-0.0206
-0.0000	0.0359	-0.0033	-0.0079	0.0004	-0.0091	0.0373	

Columns 4,726 through 4,740

-0.0126	-0.0343	-0.0387	0.0219	0.0081	0.0294	0.0121	0.0045
0.0025	-0.0105	-0.0040	0.0117	0.0001	-0.0464	0.0065	
0.0156	0.0045	0.0081	-0.0010	-0.0180	-0.0142	-0.0279	0.0532
0.0081	-0.0171	0.0077	0.0125	0.0071	0.0072	0.0101	
0.0367	0.0386	0.0417	-0.0068	-0.0278	-0.0478	-0.0476	0.0475
0.0062	-0.0106	0.0108	-0.0115	0.0005	0.0423	0.0040	

Columns 4,741 through 4,755

0.0277	-0.0005	-0.0157	-0.0027	0.0142	0.0093	-0.0227	-0.0058
0.0001	0.0288	0.0194	-0.0125	0.0045	-0.0004	0.0030	
-0.0214	-0.0211	0.0125	-0.0145	0.0107	0.0136	-0.0193	0.0151
-0.0239	-0.0162	-0.0079	-0.0067	-0.0078	-0.0324	-0.0056	
-0.0400	-0.0262	0.0193	-0.0224	0.0021	0.0066	0.0048	0.0321
-0.0391	-0.0313	-0.0432	0.0162	-0.0100	-0.0373	-0.0020	

Columns 4,756 through 4,770

0.0354	0.0162	0.0051	0.0233	0.0527	0.0297	-0.0141	-0.0330
-0.0199	0.0068	0.0018	-0.0131	-0.0228	0.0161	-0.0265	
0.0179	0.0293	-0.0141	0.0238	0.0216	0.0351	0.0168	-0.0336
-0.0168	0.0346	0.0030	0.0195	0.0128	0.0452	-0.0582	
-0.0085	0.0106	-0.0104	0.0173	-0.0202	0.0195	0.0221	-0.0119
-0.0150	0.0376	-0.0067	0.0238	0.0238	0.0269	-0.0368	

Columns 4,771 through 4,785

0.0360	-0.0096	0.0016	-0.0319	0.0225	-0.0534	0.0023	0.0301
-0.0373	-0.0080	-0.0007	-0.0057	0.0347	0.0270	0.0260	
-0.0045	-0.0174	-0.0319	-0.0090	0.0449	0.0134	0.0162	0.0487
0.0041	-0.0167	-0.0326	-0.0084	-0.0001	-0.0071	0.0083	
-0.0382	-0.0183	-0.0366	0.0244	0.0386	0.0790	0.0107	0.0341
0.0515	-0.0170	-0.0378	-0.0054	-0.0205	-0.0368	-0.0048	

Columns 4,786 through 4,800

-0.0024	-0.0024	-0.0082	-0.0287	-0.0156	-0.0584	-0.0295	-0.0265
0.0182	-0.0292	0.0364	0.0099	0.0230	-0.0019	-0.0506	
-0.0157	-0.0024	0.0088	-0.0186	-0.0094	0.0021	-0.0191	-0.0122
0.0305	0.0418	0.0306	0.0161	0.0056	-0.0106	0.0017	
-0.0143	0.0208	0.0334	-0.0088	0.0150	0.0554	-0.0059	0.0074
0.0244	0.0662	0.0077	0.0094	-0.0118	-0.0220	0.0422	

Columns 4,801 through 4,815

0.0014	0.0060	-0.0230	0.0176	-0.0141	-0.0048	0.0065	-0.0038
-0.0370	0.0167	-0.0096	-0.0470	-0.0185	-0.0104	-0.0386	
-0.0139	-0.0328	0.0067	-0.0030	0.0004	-0.0104	-0.0365	-0.0394
0.0078	0.0590	0.0130	-0.0111	-0.0038	-0.0032	0.0354	
-0.0181	-0.0415	0.0278	-0.0095	0.0069	0.0009	-0.0541	-0.0466
0.0470	0.0618	0.0315	0.0149	0.0080	-0.0006	0.0615	

Columns 4,816 through 4,830

0.0387	-0.0244	0.0273	0.0289	0.0058	-0.0084	0.0380	-0.0249
0.0013	0.0150	0.0068	0.0138	0.0151	0.0068	0.0075	
-0.0028	-0.0030	-0.0292	0.0175	0.0022	-0.0168	0.0198	-0.0294
0.0022	-0.0033	0.0144	0.0051	-0.0013	-0.0230	-0.0233	
-0.0284	0.0216	-0.0721	-0.0082	-0.0065	-0.0185	-0.0135	-0.0136
0.0006	-0.0256	-0.0099	-0.0145	-0.0184	-0.0256	-0.0244	

Columns 4,831 through 4,845

0.0069	0.0038	0.0092	-0.0024	-0.0455	-0.0120	0.0072	-0.0046
0.0106	-0.0028	0.0142	-0.0333	0.0142	-0.0062	-0.0172	
0.0069	-0.0121	-0.0089	-0.0164	-0.0102	0.0102	0.0341	0.0351
0.0289	0.0104	-0.0159	0.0152	-0.0160	-0.0346	0.0594	
-0.0050	-0.0139	-0.0221	-0.0128	0.0214	0.0278	0.0258	0.0381
0.0256	0.0017	-0.0223	0.0378	-0.0271	-0.0307	0.0720	

Columns 4,846 through 4,860

0.0276	0.0408	-0.0104	-0.0059	0.0095	-0.0416	-0.0185	0.0190
0.0079	0.0083	0.0223	-0.0539	0.0448	0.0019	-0.0040	
0.0130	-0.0033	0.0054	0.0034	-0.0433	-0.0330	-0.0013	0.0114
-0.0348	-0.0119	-0.0030	0.0035	-0.0355	0.0126	0.0270	
-0.0081	-0.0340	0.0211	0.0113	-0.0542	-0.0100	0.0051	0.0031
-0.0438	-0.0221	-0.0253	0.0591	-0.0818	0.0182	0.0272	

Columns 4,861 through 4,875

0.0137	0.0090	0.0078	-0.0260	0.0071	-0.0136	-0.0356	0.0063
0.0065	0.0349	-0.0229	0.0070	-0.0265	0.0166	0.0032	
-0.0446	0.0149	0.0429	0.0026	0.0213	-0.0114	-0.0037	-0.0191
-0.0076	-0.0054	-0.0189	0.0259	0.0001	0.0309	0.0081	
-0.0707	0.0120	0.0509	0.0235	0.0236	0.0005	0.0320	-0.0213
-0.0193	-0.0345	-0.0016	0.0155	0.0291	0.0323	0.0053	

Columns 4,876 through 4,890

0.0021	0.0228	0.0246	-0.0042	0.0047	-0.0165	0.0242	0.0009
0.0231	0.0208	-0.0018	-0.0075	-0.0296	-0.0187	-0.0091	
-0.0299	-0.0259	-0.0301	0.0135	-0.0100	0.0118	-0.0179	-0.0188

Assignment 1

Sai Rohith Tanuku

0.0065	0.0112	-0.0012	0.0013	-0.0172	0.0320	0.0017	
-0.0413	-0.0364	-0.0558	0.0258	-0.0185	0.0249	-0.0523	-0.0118
-0.0121	-0.0206	-0.0060	0.0138	0.0038	0.0571	-0.0059	

Columns 4,891 through 4,905

0.0277	-0.0665	0.0071	0.0247	-0.0175	0.0108	0.0288	0.0225
0.0099	0.0290	-0.0048	0.0006	0.0091	0.0171	0.0197	
-0.0005	-0.0320	-0.0225	0.0171	-0.0300	-0.0189	0.0128	-0.0219
-0.0068	0.0016	-0.0080	-0.0227	0.0094	-0.0093	0.0291	
-0.0200	0.0297	-0.0337	0.0028	-0.0203	-0.0407	-0.0008	-0.0529
-0.0108	-0.0213	-0.0001	-0.0189	-0.0052	-0.0171	0.0175	

Columns 4,906 through 4,920

0.0002	-0.0065	-0.0117	0.0115	0.0014	0.0136	0.0379	0.0115
-0.0170	-0.0190	-0.0266	-0.0360	-0.0212	-0.0437	-0.0019	
-0.0033	-0.0261	0.0200	-0.0004	0.0052	-0.0065	-0.0142	0.0234
0.0193	0.0076	-0.0319	0.0008	0.0064	-0.0096	0.0327	
0.0001	-0.0394	0.0255	-0.0176	0.0171	-0.0098	-0.0557	0.0273
0.0385	0.0332	-0.0273	0.0308	0.0204	0.0331	0.0381	

Columns 4,921 through 4,935

-0.0087	-0.0185	0.0060	-0.0096	-0.0165	0.0326	0.0237	-0.0272
-0.0042	0.0304	-0.0140	-0.0164	0.0268	-0.0116	0.0257	
-0.0063	0.0085	0.0369	0.0084	0.0033	0.0303	-0.0390	0.0005
0.0168	0.0207	-0.0329	-0.0075	-0.0500	0.0061	0.0195	
0.0034	0.0173	0.0482	0.0253	0.0249	0.0103	-0.0652	0.0276
0.0364	0.0035	-0.0339	0.0300	-0.0734	0.0128	-0.0086	

Columns 4,936 through 4,950

-0.0085	-0.0121	0.0142	-0.0005	0.0154	-0.0181	-0.0137	-0.0029
0.0109	0.0124	-0.0329	-0.0325	-0.0004	-0.0017	0.0150	
-0.0140	0.0423	-0.0025	-0.0079	0.0097	0.0081	0.0223	-0.0061
0.0007	-0.0141	-0.0252	-0.0349	0.0303	-0.0032	-0.0404	
-0.0105	0.0485	-0.0062	0.0112	0.0069	0.0322	0.0445	-0.0116
0.0060	-0.0099	-0.0056	-0.0097	0.0464	-0.0026	-0.0584	

Columns 4,951 through 4,965

0.0034	-0.0222	-0.0453	-0.0106	-0.0137	-0.0136	0.0626	-0.0001
0.0399	-0.0045	-0.0076	-0.0009	0.0091	0.0321	-0.0205	
-0.0152	-0.0186	0.0225	-0.0040	-0.0104	-0.0106	0.0391	-0.0040
0.0038	-0.0023	0.0060	-0.0435	0.0038	0.0156	-0.0043	
-0.0412	0.0037	0.0629	0.0015	-0.0118	0.0084	0.0051	-0.0093
-0.0366	0.0064	0.0066	-0.0369	-0.0049	-0.0222	0.0159	

Columns 4,966 through 4,980

0.0202	-0.0128	-0.0177	-0.0107	0.0087	0.0179	-0.0080	-0.0125
-0.0349	0.0196	0.0316	0.0003	-0.0184	-0.0121	0.0123	
0.0187	-0.0212	0.0050	-0.0109	0.0151	0.0222	0.0154	0.0068
-0.0100	0.0044	0.0404	-0.0454	-0.0523	0.0176	0.0294	
0.0055	-0.0176	0.0243	0.0007	-0.0016	0.0169	0.0111	0.0269
0.0160	-0.0171	0.0198	-0.0427	-0.0524	0.0217	0.0081	

Columns 4,981 through 4,995

0.0180	0.0059	-0.0230	-0.0261	0.0360	0.0090	0.0041	-0.0200
-0.0233	-0.0048	-0.0164	0.0074	-0.0151	-0.0333	0.0345	
-0.0133	0.0317	0.0460	-0.0094	0.0244	-0.0084	-0.0238	0.0143
-0.0094	0.0331	-0.0155	-0.0015	0.0147	0.0047	0.0082	
-0.0404	0.0301	0.0710	0.0034	0.0220	-0.0162	-0.0465	0.0326
0.0079	0.0298	-0.0076	0.0040	0.0335	0.0380	-0.0274	

Columns 4,996 through 5,010

0.0067	-0.0025	0.0156	-0.0126	-0.0149	0.0111	0.0337	0.0178
-0.0015	0.0155	-0.0120	0.0174	0.0032	0.0140	-0.0204	
-0.0418	-0.0071	-0.0474	-0.0147	0.0170	0.0196	0.0064	0.0070
0.0200	-0.0011	0.0064	0.0267	0.0298	-0.0076	-0.0440	
-0.0481	-0.0087	-0.0732	-0.0206	0.0335	0.0043	-0.0362	-0.0136
0.0258	-0.0165	0.0256	0.0154	0.0345	-0.0197	-0.0312	

Columns 5,011 through 5,025

0.0547	-0.0162	-0.0077	0.0047	0.0109	0.0119	0.0021	0.0147
-0.0411	-0.0632	-0.0028	-0.0167	-0.0037	-0.0115	-0.0050	
-0.0249	-0.0158	-0.0324	0.0110	-0.0336	0.0101	0.0081	-0.0378
-0.0462	-0.0376	0.0050	-0.0269	0.0235	-0.0174	0.0175	
-0.0581	0.0174	-0.0368	0.0082	-0.0625	0.0101	0.0067	-0.0622
-0.0341	0.0031	0.0291	-0.0281	0.0348	-0.0131	0.0260	

Columns 5,026 through 5,040

0.0529	0.0245	0.0171	-0.0093	-0.0119	0.0227	0.0552	0.0161
-0.0386	0.0050	0.0034	0.0095	-0.0565	0.0076	0.0060	
0.0180	0.0100	0.0311	0.0469	0.0252	-0.0114	0.0222	-0.0380
-0.0522	-0.0167	-0.0404	-0.0203	0.0297	-0.0159	0.0574	
-0.0238	-0.0083	0.0254	0.0597	0.0326	-0.0135	-0.0215	-0.0668
-0.0251	-0.0139	-0.0400	-0.0271	0.0885	-0.0298	0.0545	

Columns 5,041 through 5,055

0.0093	-0.0285	-0.0097	-0.0432	-0.0127	-0.0043	0.0298	-0.0158
-0.0155	-0.0198	0.0376	0.0030	0.0143	0.0385	0.0267	
0.0281	0.0186	-0.0153	-0.0293	-0.0084	0.0042	-0.0268	-0.0168
-0.0350	0.0150	0.0513	0.0466	-0.0314	0.0083	-0.0078	
0.0389	0.0454	-0.0179	-0.0097	0.0117	0.0095	-0.0534	-0.0005
-0.0329	0.0464	0.0344	0.0465	-0.0415	-0.0289	-0.0290	

Columns 5,056 through 5,070

0.0364	-0.0444	-0.0001	-0.0138	-0.0031	-0.0360	-0.0219	0.0100
0.0140	-0.0364	-0.0402	0.0054	0.0212	-0.0042	0.0346	
-0.0251	-0.0081	-0.0048	-0.0006	0.0166	-0.0323	0.0056	-0.0326
-0.0133	0.0060	-0.0300	0.0089	-0.0215	0.0070	0.0064	
-0.0647	0.0261	0.0001	0.0115	0.0208	-0.0096	0.0363	-0.0408
-0.0328	0.0284	0.0154	0.0045	-0.0368	0.0137	-0.0126	

Columns 5,071 through 5,085

0.0124	-0.0171	0.0054	0.0046	0.0072	-0.0109	-0.0042	-0.0111
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Assignment 1

Sai Rohith Tanuku

-0.0245	-0.0243	0.0232	-0.0410	0.0249	0.0403	-0.0329	
-0.0089	-0.0359	-0.0175	0.0114	-0.0015	-0.0029	-0.0102	0.0263
-0.0047	-0.0224	-0.0233	-0.0056	0.0185	-0.0039	0.0041	
-0.0247	-0.0222	-0.0220	0.0220	-0.0117	0.0090	-0.0033	0.0367
0.0191	-0.0047	-0.0544	0.0313	-0.0066	-0.0396	0.0234	

Columns 5,086 through 5,100

0.0319	0.0361	-0.0007	-0.0245	-0.0212	-0.0081	0.0156	0.0005
-0.0170	-0.0300	-0.0130	-0.0256	0.0301	-0.0012	-0.0180	
0.0207	-0.0136	-0.0181	0.0162	-0.0052	-0.0124	-0.0221	-0.0049
0.0122	-0.0095	0.0263	-0.0214	0.0071	0.0201	-0.0041	
0.0050	-0.0520	-0.0190	0.0534	0.0129	0.0016	-0.0437	-0.0212
0.0308	0.0173	0.0488	-0.0102	-0.0135	0.0163	0.0208	

Columns 5,101 through 5,115

-0.0223	-0.0056	-0.0018	-0.0150	0.0167	-0.0148	0.0094	-0.0139
0.0131	0.0155	0.0084	-0.0373	0.0047	-0.0154	0.0325	
-0.0351	-0.0235	0.0064	-0.0123	0.0629	-0.0259	0.0092	-0.0033
-0.0174	0.0440	0.0111	0.0267	0.0132	-0.0727	-0.0262	
-0.0065	-0.0154	0.0087	-0.0052	0.0534	-0.0085	0.0139	0.0064
-0.0202	0.0506	-0.0012	0.0595	0.0078	-0.0582	-0.0654	

Columns 5,116 through 5,130

-0.0149	0.0064	-0.0097	0.0049	0.0129	0.0186	0.0149	0.0249
0.0236	-0.0031	-0.0343	0.0165	0.0214	0.0020	0.0237	
0.0118	-0.0173	0.0088	-0.0048	0.0158	0.0094	0.0168	0.0287
-0.0247	-0.0058	-0.0263	0.0371	0.0401	0.0004	0.0313	
0.0321	-0.0245	0.0215	-0.0132	0.0298	-0.0011	0.0084	0.0094
-0.0548	0.0029	-0.0037	0.0405	0.0269	-0.0226	0.0117	

Columns 5,131 through 5,145

-0.0393	0.0025	0.0223	0.0296	0.0150	-0.0042	-0.0411	0.0091
0.0241	0.0093	0.0221	-0.0363	-0.0452	-0.0362	0.0017	
0.0019	-0.0115	0.0144	0.0420	0.0103	0.0103	-0.0311	0.0217
-0.0040	0.0060	0.0281	-0.0218	0.0263	-0.0238	-0.0042	
0.0381	-0.0093	-0.0073	0.0195	-0.0046	0.0061	0.0101	0.0227
-0.0291	-0.0086	0.0084	0.0057	0.0673	0.0078	-0.0110	

Columns 5,146 through 5,160

0.0005	0.0222	-0.0082	0.0219	-0.0023	0.0358	0.0252	0.0139
-0.0022	0.0296	0.0011	0.0318	-0.0205	0.0150	0.0228	
0.0315	0.0430	-0.0172	-0.0188	0.0216	0.0275	-0.0180	0.0077
-0.0432	0.0138	0.0401	0.0025	-0.0319	0.0274	-0.0045	
0.0562	0.0423	-0.0196	-0.0406	0.0168	0.0119	-0.0225	-0.0050
-0.0498	-0.0179	0.0510	-0.0232	-0.0249	0.0150	-0.0214	

Columns 5,161 through 5,175

0.0462	-0.0036	-0.0253	-0.0497	-0.0076	0.0293	0.0156	-0.0489
-0.0132	0.0296	-0.0043	-0.0203	0.0062	0.0128	0.0178	
-0.0076	-0.0352	-0.0363	-0.0101	-0.0033	0.0197	0.0103	-0.0308
-0.0377	0.0015	0.0026	-0.0106	0.0244	-0.0393	-0.0020	
-0.0449	-0.0411	-0.0177	0.0239	0.0077	-0.0058	0.0060	-0.0084

Assignment 1

Sai Rohith Tanuku

-0.0274 -0.0109 0.0073 0.0077 0.0168 -0.0543 -0.0181

Columns 5,176 through 5,190

-0.0092 -0.0204 0.0159 0.0331 0.0021 -0.0052 0.0108 -0.0332
 -0.0027 0.0320 -0.0359 -0.0041 0.0101 -0.0088 0.0277
 0.0037 -0.0249 0.0085 0.0362 -0.0168 -0.0177 -0.0162 0.0103
 -0.0209 -0.0021 0.0362 -0.0010 -0.0151 0.0230 -0.0132
 0.0142 -0.0148 -0.0012 0.0058 -0.0145 -0.0230 -0.0145 0.0390
 -0.0147 -0.0188 0.0795 -0.0145 -0.0250 0.0342 -0.0408

Columns 5,191 through 5,205

-0.0131 0.0058 -0.0446 -0.0269 0.0019 0.0172 -0.0159 0.0001
 0.0131 0.0349 0.0248 -0.0139 -0.0048 0.0066 -0.0131
 -0.0081 0.0421 0.0427 -0.0106 0.0093 0.0163 0.0069 -0.0118
 -0.0017 -0.0185 -0.0674 -0.0100 -0.0199 -0.0056 0.0497
 -0.0053 0.0413 0.0843 0.0147 0.0173 -0.0057 0.0174 -0.0190
 -0.0124 -0.0560 -0.1136 -0.0030 -0.0108 -0.0132 0.0625

Columns 5,206 through 5,220

 0.0167 0.0134 0.0273 -0.0370 -0.0195 0.0059 0.0093 -0.0054
 -0.0005 0.0442 -0.0027 -0.0057 0.0008 0.0146 -0.0250
 0.0238 0.0160 -0.0200 0.0125 -0.0441 -0.0062 -0.0059 0.0124
 0.0020 -0.0150 -0.0084 -0.0191 -0.0131 -0.0238 -0.0110
 0.0302 -0.0120 -0.0448 0.0363 -0.0348 -0.0126 -0.0270 0.0176
 0.0069 -0.0524 0.0107 -0.0178 -0.0063 -0.0504 0.0222

Columns 5,221 through 5,235

-0.0172 0.0157 0.0018 0.0101 -0.0003 -0.0239 -0.0018 -0.0049
 -0.0138 0.0070 -0.0120 0.0355 -0.0084 0.0134 -0.0323
 0.0248 0.0045 0.0034 -0.0193 0.0137 -0.0011 -0.0133 -0.0194
 -0.0421 0.0029 -0.0181 0.0189 0.0057 -0.0069 -0.0230
 0.0416 -0.0122 -0.0007 -0.0318 0.0221 0.0152 -0.0059 -0.0099
 -0.0313 -0.0189 -0.0037 0.0013 0.0181 -0.0289 -0.0008

Columns 5,236 through 5,250

-0.0131 -0.0090 0.0238 -0.0178 0.0239 0.0269 0.0064 -0.0056
 -0.0064 -0.0145 0.0009 0.0098 0.0158 -0.0202 -0.0330
 -0.0092 0.0008 0.0375 -0.0254 0.0046 0.0410 0.0095 -0.0173
 0.0355 -0.0739 -0.0132 0.0477 0.0124 0.0252 -0.0136
 -0.0007 0.0168 0.0239 -0.0095 -0.0106 0.0334 0.0040 -0.0070
 0.0613 -0.0786 -0.0174 0.0540 -0.0012 0.0545 0.0076

Columns 5,251 through 5,265

-0.0029 0.0201 0.0419 0.0126 -0.0062 0.0125 0.0079 0.0022
 -0.0048 -0.0129 -0.0051 0.0395 -0.0323 0.0002 0.0048
 0.0084 0.0248 0.0568 -0.0103 0.0315 -0.0113 0.0055 0.0018
 -0.0190 0.0024 -0.0312 -0.0431 -0.0090 0.0029 0.0383
 0.0274 0.0155 0.0249 -0.0277 0.0400 -0.0241 0.0118 -0.0118
 -0.0149 -0.0014 -0.0232 -0.0767 0.0176 -0.0011 0.0461

Columns 5,266 through 5,280

Assignment 1

Sai Rohith Tanuku

-0.0396	-0.0114	-0.0288	0.0002	-0.0155	-0.0113	0.0096	0.0042
-0.0125	0.0230	0.0168	-0.0233	-0.0150	0.0016	0.0079	
0.0003	0.0081	-0.0008	0.0074	-0.0144	-0.0035	-0.0023	-0.0064
0.0451	-0.0243	-0.0010	-0.0100	0.0059	0.0494	0.0185	
0.0378	0.0083	0.0223	0.0008	0.0063	0.0059	-0.0021	-0.0121
0.0563	-0.0432	-0.0194	0.0098	0.0192	0.0608	0.0107	

Columns 5,281 through 5,295

-0.0208	0.0184	0.0272	0.0059	-0.0008	-0.0125	0.0130	0.0087
0.0159	-0.0025	-0.0187	-0.0014	0.0262	0.0386	0.0280	
-0.0339	-0.0401	0.0180	-0.0058	-0.0369	-0.0004	-0.0493	0.0312
-0.0009	0.0040	-0.0021	0.0204	-0.0019	0.0370	0.0101	
-0.0337	-0.0696	-0.0083	0.0025	-0.0585	0.0024	-0.0807	0.0222
-0.0198	0.0152	-0.0019	0.0259	-0.0250	0.0130	-0.0153	

Columns 5,296 through 5,310

-0.0190	-0.0022	-0.0033	0.0072	0.0209	-0.0216	-0.0301	0.0094
-0.0300	0.0332	-0.0191	-0.0107	0.0017	0.0287	-0.0033	
0.0249	0.0153	-0.0034	0.0266	-0.0166	0.0112	0.0209	-0.0211
0.0161	0.0041	-0.0196	0.0029	0.0173	0.0563	0.0198	
0.0465	0.0274	0.0004	0.0107	-0.0383	0.0312	0.0309	-0.0432
0.0493	-0.0315	-0.0130	0.0165	0.0204	0.0369	0.0249	

Columns 5,311 through 5,325

0.0113	0.0080	-0.0163	0.0013	0.0012	0.0283	-0.0088	-0.0269
-0.0126	0.0372	-0.0123	0.0165	-0.0299	-0.0080	-0.0197	
0.0021	-0.0279	-0.0176	0.0169	-0.0249	0.0226	0.0175	0.0047
-0.0055	-0.0090	-0.0128	-0.0278	-0.0224	0.0258	-0.0449	
-0.0021	-0.0238	-0.0239	0.0273	-0.0350	-0.0036	0.0358	0.0244
0.0114	-0.0413	-0.0039	-0.0497	-0.0044	0.0448	-0.0245	

Columns 5,326 through 5,340

-0.0345	0.0256	0.0079	-0.0473	-0.0144	0.0116	-0.0003	-0.0396
0.0027	-0.0186	0.0199	0.0097	-0.0103	-0.0112	0.0186	
-0.0337	-0.0026	0.0224	-0.0346	-0.0029	0.0376	-0.0006	-0.0489
-0.0067	-0.0115	-0.0078	-0.0207	-0.0264	0.0314	-0.0072	
0.0030	-0.0314	0.0302	-0.0028	-0.0023	0.0382	-0.0148	-0.0265
-0.0014	0.0130	-0.0286	-0.0374	-0.0256	0.0353	-0.0264	

Columns 5,341 through 5,355

-0.0021	-0.0000	-0.0417	-0.0008	-0.0127	0.0212	0.0117	0.0387
-0.0356	-0.0217	-0.0157	0.0104	0.0232	0.0241	0.0235	
0.0023	0.0002	-0.0511	-0.0228	0.0021	0.0102	-0.0455	0.0146
0.0035	-0.0068	0.0165	-0.0037	-0.0453	-0.0015	-0.0320	
0.0098	-0.0054	-0.0255	-0.0217	0.0075	-0.0078	-0.0793	-0.0323
0.0441	0.0052	0.0465	-0.0066	-0.0768	-0.0245	-0.0559	

Columns 5,356 through 5,370

0.0352	-0.0121	0.0233	0.0065	0.0069	-0.0037	-0.0202	0.0052
0.0262	-0.0062	-0.0020	0.0076	-0.0111	-0.0290	-0.0135	
-0.0167	0.0059	0.0081	-0.0155	0.0172	-0.0416	0.0105	0.0236
0.0277	-0.0494	0.0208	-0.0058	-0.0059	-0.0147	0.0002	

Assignment 1

Sai Rohith Tanuku

-0.0652	0.0197	-0.0111	-0.0095	0.0202	-0.0551	0.0361	0.0299
-0.0032	-0.0512	0.0268	-0.0159	0.0009	0.0110	0.0092	

Columns 5,371 through 5,385

-0.0433	-0.0496	-0.0291	-0.0069	-0.0251	0.0086	0.0163	-0.0236
-0.0018	0.0024	0.0400	0.0124	0.0267	0.0111	-0.0396	
-0.0263	-0.0234	-0.0065	0.0127	0.0177	-0.0001	0.0244	-0.0138
-0.0179	0.0032	-0.0087	0.0177	0.0192	-0.0113	-0.0326	
-0.0040	0.0154	0.0271	0.0198	0.0506	-0.0311	0.0252	-0.0011
-0.0111	-0.0022	-0.0512	0.0184	-0.0060	-0.0238	-0.0159	

Columns 5,386 through 5,400

0.0145	-0.0298	0.0122	-0.0497	-0.0174	0.0200	-0.0281	-0.0502
0.0567	0.0068	0.0161	-0.0015	-0.0138	-0.0118	-0.0018	
-0.0079	-0.0085	0.0379	-0.0281	0.0309	-0.0068	0.0050	-0.0032
-0.0075	-0.0083	0.0097	0.0310	0.0234	-0.0192	-0.0277	
-0.0251	0.0085	0.0224	0.0111	0.0520	-0.0293	0.0199	0.0425
-0.0609	-0.0181	-0.0161	0.0378	0.0411	-0.0153	-0.0276	

Columns 5,401 through 5,415

-0.0118	0.0121	0.0120	-0.0359	0.0148	-0.0018	-0.0173	0.0265
0.0071	-0.0264	-0.0100	-0.0078	-0.0134	-0.0687	-0.0020	
0.0030	0.0014	-0.0592	-0.0197	0.0463	0.0249	-0.0099	-0.0132
-0.0221	-0.0216	0.0000	-0.0396	0.0127	0.0099	-0.0126	
0.0097	-0.0201	-0.0796	-0.0041	0.0354	0.0553	0.0106	-0.0326
-0.0146	-0.0070	0.0039	-0.0514	0.0337	0.0726	-0.0111	

Columns 5,416 through 5,430

-0.0323	-0.0181	0.0170	0.0123	0.0255	0.0301	0.0040	0.0258
-0.0116	0.0048	0.0149	0.0059	0.0054	-0.0283	0.0050	
-0.0118	0.0259	0.0070	0.0347	0.0030	-0.0081	-0.0319	-0.0070
0.0179	0.0166	0.0001	0.0220	-0.0246	0.0033	-0.0130	
-0.0013	0.0585	-0.0023	0.0176	0.0061	-0.0519	-0.0490	-0.0253
0.0384	0.0062	-0.0181	0.0116	-0.0358	0.0281	-0.0202	

Columns 5,431 through 5,445

0.0267	-0.0051	-0.0056	-0.0145	0.0051	0.0135	-0.0073	-0.0081
-0.0132	0.0224	-0.0030	0.0165	0.0155	-0.0004	0.0355	
-0.0083	-0.0437	0.0178	0.0389	0.0031	0.0137	-0.0006	-0.0341
-0.0319	-0.0034	0.0264	0.0087	0.0137	-0.0346	-0.0172	
-0.0281	-0.0292	0.0259	0.0544	-0.0090	-0.0138	0.0049	-0.0352
-0.0330	-0.0129	0.0336	0.0106	0.0100	-0.0418	-0.0662	

Columns 5,446 through 5,460

-0.0363	-0.0229	-0.0145	-0.0460	-0.0357	-0.0029	0.0352	0.0260
0.0247	-0.0008	0.0019	-0.0277	0.0124	-0.0187	-0.0085	
-0.0444	-0.0218	-0.0003	0.0352	-0.0013	-0.0117	0.0248	0.0190
-0.0481	-0.0264	-0.0133	-0.0158	-0.0440	-0.0264	-0.0232	
-0.0196	-0.0064	-0.0015	0.0818	0.0233	-0.0225	-0.0073	-0.0027
-0.0714	-0.0159	-0.0116	0.0138	-0.0680	-0.0204	-0.0191	

Columns 5,461 through 5,475

0.0139	0.0266	-0.0165	-0.0411	-0.0060	-0.0276	0.0549	-0.0114
-0.0393	-0.0230	-0.0327	0.0149	-0.0072	0.0238	0.0468	
0.0279	-0.0111	-0.0214	-0.0085	-0.0020	-0.0088	0.0258	-0.0292
0.0027	-0.0127	-0.0418	-0.0082	0.0206	0.0011	-0.0127	
0.0197	-0.0363	-0.0006	0.0324	0.0159	0.0048	0.0015	-0.0169
0.0330	0.0050	-0.0388	-0.0140	0.0324	-0.0194	-0.0408	

Columns 5,476 through 5,490

0.0419	0.0253	0.0222	-0.0146	0.0177	-0.0073	0.0421	0.0142
0.0131	-0.0235	-0.0227	-0.0613	-0.0389	-0.0463	0.0100	
0.0516	0.0124	0.0106	0.0169	-0.0121	0.0342	0.0022	0.0044
0.0212	-0.0041	-0.0476	-0.0033	0.0248	0.0080	0.0070	
0.0175	0.0065	-0.0064	0.0411	-0.0155	0.0510	-0.0428	-0.0082
0.0019	0.0121	-0.0376	0.0549	0.0648	0.0377	-0.0013	

Columns 5,491 through 5,505

0.0564	-0.0102	0.0068	-0.0094	-0.0493	0.0675	-0.0056	0.0413
0.0290	-0.0142	-0.0258	0.0223	0.0049	-0.0222	0.0010	
-0.0326	0.0239	0.0043	-0.0113	0.0108	0.0140	-0.0910	-0.0342
-0.0134	-0.0321	-0.0024	0.0193	-0.0260	0.0347	-0.0055	
-0.0873	0.0358	0.0030	-0.0170	0.0450	-0.0475	-0.1012	-0.0760
-0.0391	-0.0239	0.0178	0.0133	-0.0428	0.0680	0.0039	

Columns 5,506 through 5,520

-0.0307	-0.0361	-0.0209	-0.0613	-0.0111	-0.0162	0.0040	-0.0012
0.0016	0.0126	-0.0112	0.0560	-0.0420	-0.0105	-0.0081	
-0.0189	-0.0272	-0.0119	-0.0083	-0.0241	-0.0082	0.0282	0.0273
-0.0382	0.0210	-0.0155	0.0192	-0.0142	-0.0028	-0.0020	
-0.0002	-0.0048	0.0151	0.0436	-0.0089	0.0061	0.0357	0.0394
-0.0386	0.0212	-0.0106	-0.0267	0.0102	0.0114	0.0043	

Columns 5,521 through 5,535

-0.0122	0.0130	0.0165	-0.0252	-0.0292	-0.0183	-0.0001	0.0286
-0.0210	-0.0187	-0.0138	-0.0165	-0.0060	-0.0116	0.0140	
0.0167	0.0167	-0.0182	-0.0399	-0.0144	0.0140	0.0008	0.0058
-0.0113	-0.0223	0.0558	-0.0079	-0.0144	-0.0075	0.0201	
0.0333	0.0056	-0.0377	-0.0278	0.0088	0.0256	-0.0052	-0.0250
0.0073	-0.0104	0.0833	0.0027	-0.0220	0.0022	0.0247	

Columns 5,536 through 5,550

0.0088	0.0002	0.0049	-0.0094	-0.0004	0.0221	0.0113	-0.0103
0.0065	0.0188	-0.0358	-0.0253	0.0179	0.0081	0.0275	
-0.0263	-0.0289	0.0022	0.0094	-0.0021	-0.0118	0.0173	0.0170
0.0341	-0.0179	0.0040	-0.0057	0.0072	0.0238	0.0060	
-0.0550	-0.0368	-0.0105	-0.0009	-0.0075	-0.0306	0.0223	0.0237
0.0256	-0.0262	0.0416	0.0227	-0.0147	0.0360	-0.0037	

Columns 5,551 through 5,565

-0.0042	0.0128	0.0274	-0.0144	0.0336	0.0091	-0.0176	0.0342
-0.0130	-0.0169	-0.0009	0.0199	0.0271	-0.0087	0.0399	
-0.0484	-0.0268	-0.0149	0.0041	0.0185	-0.0054	-0.0056	0.0190

Assignment 1

Sai Rohith Tanuku

0.0087	-0.0112	-0.0169	0.0265	0.0541	0.0139	0.0081	
-0.0561	-0.0419	-0.0448	0.0281	-0.0205	-0.0079	-0.0010	-0.0144
0.0258	-0.0073	-0.0206	0.0161	0.0481	0.0269	-0.0298	

Columns 5,566 through 5,580

0.0048	0.0323	-0.0062	-0.0240	-0.0321	0.0225	-0.0002	0.0196
-0.0061	-0.0148	0.0156	-0.0263	-0.0219	0.0447	-0.0295	
0.0188	0.0243	-0.0151	-0.0119	-0.0004	-0.0017	0.0240	-0.0358
0.0193	-0.0039	-0.0171	-0.0006	0.0072	-0.0108	-0.0152	
0.0281	-0.0046	-0.0172	0.0106	0.0205	-0.0197	0.0302	-0.0615
0.0179	0.0217	-0.0547	0.0346	0.0219	-0.0376	0.0207	

Columns 5,581 through 5,595

-0.0233	-0.0274	0.0021	-0.0122	-0.0205	0.0233	0.0221	0.0106
-0.0011	0.0199	-0.0051	-0.0066	-0.0217	-0.0173	-0.0086	
0.0228	-0.0289	-0.0059	-0.0118	-0.0132	0.0031	0.0114	0.0080
0.0329	-0.0296	-0.0062	-0.0102	0.0053	-0.0164	-0.0476	
0.0359	-0.0107	0.0002	-0.0127	0.0103	-0.0200	-0.0230	0.0041
0.0319	-0.0498	-0.0017	0.0039	0.0247	0.0101	-0.0509	

Columns 5,596 through 5,610

0.0094	-0.0080	-0.0060	0.0083	-0.0010	0.0054	-0.0050	0.0307
0.0174	-0.0266	0.0145	0.0471	0.0162	0.0416	0.0179	
-0.0080	-0.0476	-0.0325	-0.0045	-0.0142	0.0151	0.0012	-0.0107
-0.0293	0.0074	0.0020	-0.0421	0.0377	0.0257	-0.0324	
-0.0174	-0.0504	-0.0409	-0.0062	0.0063	0.0133	0.0011	-0.0394
-0.0479	0.0469	-0.0071	-0.0875	0.0327	0.0010	-0.0473	

Columns 5,611 through 5,625

-0.0158	-0.0135	-0.0221	0.0413	-0.0252	0.0284	-0.0479	0.0154
0.0213	-0.0573	-0.0144	-0.0469	0.0040	-0.0512	-0.0146	
0.0334	0.0117	-0.0281	-0.0117	0.0156	-0.0342	-0.0228	-0.0047
0.0076	0.0010	-0.0162	-0.0141	0.0133	-0.0467	-0.0485	
0.0426	0.0400	-0.0042	-0.0459	0.0510	-0.0677	0.0119	-0.0226
0.0025	0.0552	-0.0036	0.0238	0.0187	0.0026	-0.0435	

Columns 5,626 through 5,640

0.0060	0.0242	-0.0319	-0.0093	0.0045	-0.0247	-0.0473	0.0203
0.0112	0.0299	-0.0146	0.0087	-0.0055	-0.0050	-0.0203	
-0.0225	-0.0172	-0.0009	-0.0140	0.0261	0.0326	-0.0161	0.0676
-0.0021	0.0234	0.0033	-0.0318	0.0396	-0.0356	-0.0000	
-0.0294	-0.0603	0.0260	-0.0039	0.0211	0.0669	0.0187	0.0476
-0.0081	-0.0031	0.0224	-0.0373	0.0467	-0.0447	0.0187	

Columns 5,641 through 5,655

-0.0050	0.0023	-0.0262	-0.0030	0.0450	-0.0260	-0.0077	-0.0141
-0.0100	-0.0107	-0.0382	-0.0046	0.0043	-0.0251	0.0110	
0.0387	0.0230	0.0080	-0.0092	0.0043	0.0310	-0.0075	-0.0081
-0.0084	-0.0024	-0.0171	0.0101	-0.0078	-0.0146	0.0355	
0.0437	0.0307	0.0347	-0.0124	-0.0414	0.0498	0.0019	0.0024
0.0024	0.0143	0.0075	0.0123	-0.0217	0.0114	0.0267	

Columns 5,656 through 5,670

0.0151	-0.0036	-0.0123	0.0228	-0.0126	0.0122	-0.0327	0.0060
-0.0032	-0.0154	-0.0502	0.0135	0.0133	-0.0143	-0.0300	
-0.0207	0.0077	0.0093	-0.0212	-0.0106	-0.0077	-0.0484	0.0494
-0.0184	0.0031	-0.0051	-0.0162	0.0077	0.0004	-0.0431	
-0.0389	0.0257	0.0293	-0.0312	0.0117	-0.0014	-0.0101	0.0496
-0.0189	0.0046	0.0396	-0.0259	0.0030	0.0069	-0.0331	

Columns 5,671 through 5,685

0.0269	0.0190	0.0270	0.0246	0.0007	0.0162	0.0465	-0.0002
0.0144	0.0139	0.0143	-0.0085	0.0078	-0.0066	-0.0028	
0.0291	0.0326	-0.0076	0.0211	-0.0270	0.0164	-0.0003	0.0276
-0.0287	0.0340	0.0152	-0.0040	0.0350	0.0189	-0.0171	
0.0071	0.0219	-0.0401	0.0052	-0.0301	0.0050	-0.0446	0.0227
-0.0523	0.0133	0.0157	-0.0085	0.0329	0.0221	-0.0136	

Columns 5,686 through 5,700

0.0048	-0.0126	-0.0433	0.0213	0.0169	0.0029	0.0486	0.0111
0.0620	0.0184	0.0172	-0.0156	0.0100	0.0056	-0.0128	
-0.0255	-0.0092	0.0188	-0.0076	-0.0168	0.0008	0.0261	-0.0036
0.0223	-0.0472	-0.0228	-0.0318	-0.0107	-0.0028	-0.0052	
-0.0372	0.0127	0.0591	-0.0338	-0.0415	-0.0029	-0.0174	-0.0151
-0.0236	-0.0661	-0.0492	-0.0264	-0.0184	0.0041	0.0108	

Columns 5,701 through 5,715

-0.0162	0.0261	-0.0218	-0.0037	-0.0313	-0.0187	0.0287	-0.0272
-0.0127	0.0016	-0.0055	0.0052	-0.0604	0.0124	0.0247	
-0.0074	0.0156	0.0309	-0.0395	0.0304	0.0291	0.0215	0.0417
0.0155	-0.0132	0.0087	0.0568	-0.0430	-0.0237	0.0291	
0.0114	-0.0082	0.0546	-0.0442	0.0566	0.0510	0.0124	0.0787
0.0387	-0.0074	0.0001	0.0633	-0.0099	-0.0397	0.0104	

Columns 5,716 through 5,730

-0.0051	-0.0040	-0.0263	-0.0227	0.0205	-0.0475	-0.0266	-0.0163
-0.0090	-0.0317	-0.0327	-0.0016	0.0094	0.0410	0.0348	
0.0014	-0.0227	0.0147	-0.0144	-0.0161	-0.0157	-0.0217	0.0107
-0.0219	-0.0109	0.0051	-0.0069	0.0071	-0.0088	0.0186	
0.0085	-0.0138	0.0307	-0.0029	-0.0367	0.0280	-0.0068	0.0187
-0.0114	0.0004	0.0225	0.0052	-0.0021	-0.0251	-0.0117	

Columns 5,731 through 5,745

0.0268	0.0067	-0.0166	-0.0206	-0.0306	-0.0436	-0.0230	0.0111
-0.0000	-0.0204	-0.0365	0.0400	0.0182	0.0195	0.0181	
-0.0159	0.0086	0.0241	-0.0097	-0.0470	0.0108	-0.0023	0.0368
-0.0227	-0.0437	0.0300	0.0004	0.0163	-0.0299	0.0134	
-0.0358	-0.0058	0.0560	0.0095	-0.0334	0.0382	0.0153	0.0286
-0.0456	-0.0310	0.0623	-0.0333	-0.0043	-0.0647	-0.0037	

Columns 5,746 through 5,760

0.0439	-0.0370	0.0151	0.0286	-0.0248	-0.0476	0.0337	0.0092
0.0320	-0.0019	0.0010	-0.0113	-0.0047	-0.0031	-0.0062	

Assignment 1

Sai Rohith Tanuku

0.0386	0.0172	0.0109	0.0082	-0.0080	-0.0185	-0.0067	0.0056
-0.0028	-0.0486	0.0020	-0.0113	-0.0020	0.0369	0.0202	
0.0164	0.0509	-0.0035	-0.0114	0.0059	0.0046	-0.0321	-0.0092
-0.0160	-0.0567	-0.0002	-0.0154	-0.0037	0.0411	0.0216	

Columns 5,761 through 5,775

0.0119	-0.0151	0.0048	0.0060	-0.0217	0.0380	-0.0005	0.0192
0.0038	0.0091	-0.0118	0.0186	0.0008	0.0111	0.0008	
0.0499	0.0050	0.0122	-0.0017	-0.0248	-0.0349	0.0070	0.0252
-0.0144	-0.0058	-0.0052	-0.0165	-0.0013	0.0002	0.0071	
0.0501	0.0206	0.0012	0.0024	-0.0232	-0.0725	0.0131	0.0124
-0.0112	-0.0162	0.0162	-0.0352	-0.0217	-0.0119	-0.0017	

Columns 5,776 through 5,790

-0.0205	0.0016	0.0307	-0.0259	0.0206	0.0120	0.0260	-0.0143
0.0083	0.0346	0.0166	-0.0587	0.0095	0.0184	0.0090	
-0.0014	0.0152	-0.0534	-0.0227	0.0099	0.0192	0.0390	-0.0194
-0.0095	0.0140	0.0198	-0.0080	0.0303	-0.0060	0.0046	
0.0096	0.0098	-0.0919	0.0012	0.0028	0.0194	0.0288	-0.0115
-0.0150	-0.0009	0.0090	0.0406	0.0283	-0.0148	-0.0081	

Columns 5,791 through 5,805

-0.0159	0.0104	-0.0047	-0.0014	-0.0125	0.0158	-0.0314	-0.0275
0.0135	0.0215	-0.0338	-0.0327	-0.0111	-0.0066	-0.0454	
0.0006	-0.0296	0.0135	0.0398	-0.0401	-0.0156	-0.0346	0.0102
-0.0037	0.0136	-0.0322	-0.0430	0.0307	0.0031	-0.0127	
0.0093	-0.0363	0.0258	0.0458	-0.0436	-0.0342	-0.0172	0.0250
-0.0096	-0.0096	0.0026	-0.0164	0.0523	0.0008	0.0142	

Columns 5,806 through 5,820

-0.0202	-0.0004	-0.0009	0.0332	0.0103	0.0227	-0.0340	-0.0202
0.0051	0.0196	-0.0362	0.0022	-0.0130	-0.0245	-0.0152	
0.0236	0.0062	0.0025	0.0047	0.0004	-0.0264	-0.0167	-0.0142
0.0143	0.0175	-0.0035	0.0074	0.0048	0.0222	0.0117	
0.0479	0.0113	0.0030	-0.0061	-0.0097	-0.0533	0.0185	0.0015
0.0208	-0.0171	0.0215	0.0044	0.0117	0.0445	0.0268	

Columns 5,821 through 5,835

-0.0167	0.0383	0.0369	0.0053	-0.0087	0.0421	0.0011	0.0007
-0.0192	0.0079	-0.0186	0.0047	-0.0198	0.0282	0.0232	
0.0148	-0.0016	-0.0002	-0.0442	-0.0027	0.0398	-0.0121	0.0066
-0.0014	0.0097	-0.0341	0.0417	-0.0028	0.0135	-0.0124	
0.0450	-0.0326	-0.0494	-0.0596	0.0025	0.0184	-0.0207	0.0008
0.0129	-0.0005	-0.0395	0.0448	0.0062	-0.0040	-0.0238	

Columns 5,836 through 5,850

0.0012	0.0422	-0.0214	-0.0116	-0.0151	-0.0134	-0.0533	0.0186
0.0122	-0.0255	-0.0260	0.0560	-0.0149	-0.0391	0.0027	
-0.0224	-0.0165	-0.0173	-0.0382	-0.0051	-0.0065	-0.0277	0.0389
0.0351	0.0327	0.0073	0.0241	-0.0095	-0.0046	-0.0166	
-0.0420	-0.0460	-0.0073	-0.0399	0.0061	-0.0027	0.0076	0.0262
0.0303	0.0623	0.0286	-0.0237	0.0092	0.0273	-0.0131	

Columns 5,851 through 5,865

-0.0039	-0.0200	0.0234	-0.0074	0.0138	0.0208	-0.0184	-0.0010
0.0464	-0.0175	-0.0051	0.0199	-0.0060	0.0379	0.0070	
-0.0044	0.0098	-0.0218	-0.0014	-0.0425	0.0290	0.0212	0.0315
-0.0217	-0.0348	-0.0197	0.0032	-0.0208	-0.0274	0.0129	
-0.0097	0.0165	-0.0448	0.0089	-0.0692	0.0250	0.0358	0.0409
-0.0690	-0.0378	-0.0322	-0.0055	-0.0249	-0.0417	0.0058	

Columns 5,866 through 5,880

0.0215	0.0049	-0.0237	0.0120	0.0039	-0.0126	-0.0289	-0.0041
-0.0174	-0.0073	0.0132	-0.0304	0.0483	0.0152	-0.0049	
0.0049	0.0104	-0.0023	-0.0491	-0.0146	-0.0030	0.0052	0.0029
0.0068	0.0098	0.0233	0.0307	-0.0174	0.0501	0.0031	
-0.0069	0.0019	0.0138	-0.0499	-0.0270	-0.0092	0.0181	0.0163
0.0204	0.0220	0.0148	0.0521	-0.0646	0.0426	0.0067	

Columns 5,881 through 5,895

-0.0185	0.0024	0.0111	-0.0202	-0.0224	0.0031	-0.0057	-0.0071
-0.0187	-0.0000	-0.0059	0.0406	0.0140	0.0176	-0.0134	
-0.0140	-0.0175	0.0115	-0.0078	0.0181	0.0067	0.0001	-0.0201
-0.0221	-0.0109	-0.0039	0.0229	0.0174	0.0029	-0.0144	
0.0066	-0.0210	0.0096	0.0018	0.0504	-0.0064	-0.0014	-0.0125
-0.0116	-0.0064	0.0101	-0.0021	0.0140	-0.0072	0.0048	

Columns 5,896 through 5,910

0.0001	0.0274	-0.0028	-0.0078	-0.0091	0.0333	0.0260	-0.0103
0.0009	0.0252	0.0003	0.0197	-0.0247	-0.0102	-0.0083	
-0.0028	0.0136	0.0052	0.0235	-0.0154	0.0263	0.0300	-0.0140
0.0007	-0.0066	-0.0430	-0.0281	-0.0238	-0.0023	-0.0190	
0.0010	-0.0123	0.0158	0.0257	-0.0051	0.0133	0.0107	-0.0002
0.0016	-0.0139	-0.0674	-0.0466	-0.0041	-0.0019	-0.0248	

Columns 5,911 through 5,925

0.0219	-0.0168	0.0204	-0.0000	0.0081	-0.0006	0.0218	0.0196
0.0232	0.0173	-0.0542	-0.0134	0.0197	-0.0279	-0.0309	
0.0100	0.0188	0.0029	0.0195	0.0101	0.0469	0.0249	-0.0417
0.0100	0.0090	0.0168	0.0212	-0.0069	0.0037	0.0125	
-0.0137	0.0336	-0.0220	0.0234	-0.0032	0.0468	0.0125	-0.0728
-0.0092	-0.0127	0.0688	0.0393	-0.0235	0.0346	0.0488	

Columns 5,926 through 5,940

0.0152	0.0250	0.0480	0.0124	0.0285	-0.0413	0.0178	-0.0141
0.0532	-0.0031	0.0225	-0.0028	-0.0051	0.0289	0.0030	
0.0096	0.0504	-0.0354	0.0238	0.0409	-0.0194	0.0115	0.0026
-0.0020	-0.0104	0.0474	-0.0061	0.0060	-0.0304	-0.0247	
-0.0003	0.0347	-0.0864	0.0178	0.0292	0.0144	-0.0049	0.0211
-0.0363	-0.0197	0.0385	-0.0013	0.0043	-0.0669	-0.0337	

Columns 5,941 through 5,955

-0.0149	0.0272	0.0150	-0.0052	0.0015	-0.0218	0.0156	0.0460
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Assignment 1

Sai Rohith Tanuku

0.0158	0.0151	-0.0335	-0.0340	-0.0198	-0.0159	0.0082	
-0.0369	-0.0323	-0.0258	-0.0022	0.0030	-0.0332	-0.0082	-0.0111
-0.0054	0.0018	-0.0031	-0.0133	0.0033	0.0410	0.0243	
-0.0338	-0.0629	-0.0475	0.0189	0.0134	-0.0114	-0.0217	-0.0526
-0.0106	-0.0050	0.0036	0.0075	0.0179	0.0658	0.0266	

Columns 5,956 through 5,970

-0.0081	-0.0085	-0.0214	0.0096	-0.0047	0.0102	0.0275	-0.0118
-0.0065	0.0570	-0.0357	-0.0282	-0.0199	0.0122	-0.0031	
-0.0049	0.0253	0.0422	-0.0068	0.0294	-0.0208	-0.0048	-0.0189
-0.0062	-0.0321	-0.0378	-0.0121	0.0068	0.0276	0.0078	
-0.0042	0.0371	0.0606	-0.0128	0.0464	-0.0353	-0.0119	-0.0124
-0.0045	-0.0816	-0.0076	0.0052	0.0214	0.0272	0.0098	

Columns 5,971 through 5,985

0.0192	0.0008	-0.0171	0.0047	0.0060	0.0141	0.0115	-0.0217
0.0352	-0.0111	0.0066	-0.0059	0.0114	-0.0263	0.0101	
-0.0060	0.0167	0.0437	0.0551	-0.0097	0.0421	0.0012	-0.0168
-0.0031	0.0164	-0.0102	0.0165	0.0048	-0.0041	-0.0184	
-0.0275	0.0218	0.0541	0.0655	-0.0241	0.0414	0.0034	-0.0191
-0.0443	0.0285	-0.0023	0.0263	-0.0052	0.0113	-0.0260	

Columns 5,986 through 6,000

0.0269	0.0365	-0.0311	0.0071	0.0219	-0.0233	0.0309	0.0064
-0.0042	0.0148	-0.0155	-0.0111	-0.0160	0.0008	0.0049	
-0.0007	-0.0136	-0.0203	-0.0253	-0.0007	-0.0035	0.0233	-0.0205
-0.0039	0.0206	0.0234	-0.0398	0.0143	-0.0195	0.0254	
-0.0204	-0.0324	0.0054	-0.0381	-0.0161	0.0130	-0.0014	-0.0258
-0.0095	0.0044	0.0429	-0.0362	0.0298	-0.0363	0.0178	

Columns 6,001 through 6,015

-0.0313	0.0370	0.0034	0.0136	-0.0195	0.0098	0.0195	0.0291
-0.0152	0.0019	-0.0044	-0.0230	-0.0213	-0.0083	-0.0275	
0.0052	0.0003	0.0034	0.0232	-0.0586	0.0044	-0.0115	-0.0306
-0.0527	0.0099	-0.0138	0.0225	-0.0419	0.0145	0.0106	
0.0230	-0.0294	-0.0021	0.0226	-0.0479	0.0115	-0.0346	-0.0672
-0.0450	0.0010	-0.0108	0.0443	-0.0430	0.0180	0.0345	

Columns 6,016 through 6,030

-0.0013	-0.0058	0.0082	-0.0036	0.0352	0.0009	-0.0054	0.0345
-0.0054	-0.0127	-0.0059	0.0075	0.0293	0.0053	-0.0108	
0.0287	-0.0136	-0.0121	-0.0162	0.0048	0.0002	-0.0231	0.0048
-0.0150	-0.0246	0.0131	-0.0123	-0.0105	0.0098	0.0088	
0.0474	-0.0004	-0.0287	-0.0193	-0.0061	0.0086	-0.0080	-0.0219
-0.0205	-0.0197	0.0192	-0.0109	-0.0453	0.0037	0.0240	

Columns 6,031 through 6,045

-0.0256	-0.0023	0.0261	-0.0099	-0.0276	-0.0170	0.0163	0.0054
-0.0171	-0.0288	-0.0115	0.0092	-0.0243	-0.0279	0.0107	
-0.0345	-0.0028	-0.0135	-0.0130	-0.0342	-0.0067	-0.0063	0.0206
-0.0077	0.0121	-0.0157	-0.0279	-0.0311	-0.0200	0.0091	

Assignment 1

Sai Rohith Tanuku

0.0050	0.0123	-0.0449	-0.0049	-0.0135	0.0044	-0.0254	0.0098
-0.0005	0.0387	-0.0172	-0.0282	-0.0080	0.0031	0.0164	

Columns 6,046 through 6,060

0.0197	0.0192	-0.0168	-0.0247	-0.0214	0.0220	-0.0060	0.0067
-0.0080	0.0080	-0.0179	0.0209	-0.0118	0.0171	-0.0268	
0.0081	-0.0082	-0.0169	-0.0002	-0.0219	-0.0117	-0.0122	-0.0346
0.0226	0.0008	0.0287	0.0029	0.0239	0.0103	-0.0050	
-0.0152	-0.0187	-0.0042	0.0191	-0.0111	-0.0206	-0.0073	-0.0621
0.0392	-0.0108	0.0642	-0.0057	0.0167	0.0013	0.0354	

Columns 6,061 through 6,075

-0.0225	0.0450	0.0243	-0.0082	-0.0042	-0.0252	0.0296	0.0168
-0.0116	0.0326	-0.0116	-0.0033	0.0358	-0.0022	-0.0172	
-0.0395	0.0159	-0.0100	-0.0135	-0.0084	-0.0447	0.0196	0.0423
0.0101	-0.0094	0.0161	0.0116	-0.0290	-0.0119	0.0077	
-0.0297	-0.0152	-0.0362	0.0085	-0.0031	-0.0313	-0.0041	0.0284
0.0168	-0.0448	0.0163	0.0206	-0.0488	-0.0187	0.0311	

Columns 6,076 through 6,090

-0.0301	0.0140	-0.0044	-0.0130	0.0143	-0.0216	-0.0035	-0.0122
0.0257	0.0131	0.0049	0.0010	0.0099	-0.0093	0.0219	
0.0106	-0.0104	0.0270	-0.0369	0.0419	0.0246	-0.0190	0.0061
-0.0170	-0.0061	0.0204	0.0307	0.0186	0.0447	0.0003	
0.0400	-0.0315	0.0348	-0.0340	0.0197	0.0435	-0.0296	0.0186
-0.0421	-0.0066	0.0343	0.0404	0.0085	0.0556	-0.0147	

Columns 6,091 through 6,105

0.0237	-0.0031	-0.0218	-0.0130	0.0312	-0.0092	-0.0097	0.0032
0.0091	0.0115	-0.0186	0.0006	-0.0010	0.0081	-0.0093	
-0.0033	-0.0521	-0.0132	-0.0015	0.0125	-0.0103	-0.0327	-0.0045
0.0478	-0.0125	0.0017	-0.0337	0.0073	0.0275	0.0042	
-0.0259	-0.0458	0.0017	0.0070	-0.0070	0.0017	-0.0296	-0.0040
0.0420	-0.0178	0.0220	-0.0446	-0.0080	0.0309	0.0144	

Columns 6,106 through 6,120

-0.0104	-0.0360	-0.0317	-0.0167	-0.0104	-0.0022	0.0572	-0.0124
0.0170	-0.0391	-0.0080	0.0281	0.0254	0.0155	-0.0033	
-0.0150	0.0261	-0.0016	0.0070	0.0156	0.0238	0.0114	0.0184
0.0182	-0.0017	-0.0222	0.0130	-0.0340	-0.0097	0.0153	
-0.0187	0.0582	0.0168	0.0307	0.0387	0.0187	-0.0445	0.0438
0.0079	0.0378	-0.0165	-0.0096	-0.0605	-0.0209	0.0124	

Columns 6,121 through 6,135

-0.0120	0.0308	-0.0447	-0.0128	-0.0011	0.0443	-0.0005	0.0065
-0.0178	0.0187	0.0038	-0.0170	-0.0249	0.0101	-0.0117	
-0.0158	0.0175	-0.0207	0.0111	-0.0004	-0.0079	-0.0449	0.0325
-0.0127	0.0139	0.0076	-0.0249	0.0186	0.0159	0.0001	
-0.0055	-0.0012	0.0078	0.0295	-0.0083	-0.0500	-0.0464	0.0378
0.0037	0.0033	-0.0083	-0.0110	0.0368	0.0067	0.0095	

Columns 6,136 through 6,150

-0.0124	-0.0084	0.0046	0.0138	0.0303	-0.0124	-0.0004	0.0164
-0.0089	0.0086	-0.0248	0.0123	0.0077	-0.0235	0.0130	
-0.0223	0.0179	0.0147	0.0063	0.0656	0.0017	0.0313	-0.0096
0.0400	-0.0106	-0.0214	0.0073	-0.0385	0.0209	-0.0151	
-0.0249	0.0199	0.0158	-0.0120	0.0464	0.0045	0.0392	-0.0346
0.0524	-0.0278	0.0022	0.0027	-0.0501	0.0398	-0.0193	

Columns 6,151 through 6,165

0.0068	0.0384	0.0177	-0.0128	0.0180	0.0111	-0.0302	0.0484
-0.0085	0.0054	0.0152	-0.0198	0.0356	-0.0272	-0.0057	
0.0132	0.0192	-0.0024	0.0037	-0.0153	0.0148	-0.0027	-0.0040
-0.0189	0.0032	0.0228	-0.0091	0.0164	-0.0363	-0.0254	
0.0139	-0.0184	-0.0322	0.0126	-0.0311	0.0195	0.0060	-0.0410
-0.0043	0.0151	0.0131	0.0072	-0.0073	-0.0101	-0.0295	

Columns 6,166 through 6,180

0.0500	0.0297	0.0098	-0.0097	0.0151	0.0188	-0.0332	0.0194
0.0222	-0.0208	0.0175	-0.0214	0.0021	-0.0113	0.0157	
-0.0027	-0.0243	0.0211	0.0188	-0.0406	0.0166	-0.0367	0.0036
0.0065	0.0373	0.0145	-0.0308	0.0243	0.0123	0.0104	
-0.0412	-0.0526	0.0087	0.0262	-0.0646	0.0093	-0.0208	-0.0087
-0.0102	0.0609	0.0041	-0.0268	0.0297	0.0183	0.0024	

Columns 6,181 through 6,195

-0.0142	0.0250	-0.0547	-0.0012	0.0323	-0.0156	-0.0167	0.0269
0.0264	-0.0097	-0.0009	0.0021	0.0370	-0.0134	-0.0266	
0.0216	0.0021	-0.0309	0.0080	-0.0178	-0.0008	-0.0157	0.0338
0.0080	0.0110	0.0235	0.0247	-0.0059	-0.0309	-0.0510	
0.0119	-0.0174	0.0022	0.0061	-0.0416	0.0224	-0.0037	0.0131
-0.0247	0.0194	0.0293	0.0290	-0.0495	-0.0198	-0.0415	

Columns 6,196 through 6,210

-0.0253	-0.0084	0.0313	0.0190	0.0337	-0.0315	0.0109	0.0102
0.0366	-0.0294	-0.0143	0.0294	-0.0134	0.0162	0.0037	
-0.0007	0.0308	0.0307	0.0224	0.0413	-0.0091	-0.0106	0.0163
-0.0098	0.0405	0.0213	0.0031	-0.0017	0.0149	0.0068	
0.0232	0.0363	0.0134	0.0047	0.0126	0.0231	-0.0192	0.0001
-0.0416	0.0659	0.0388	-0.0103	0.0175	0.0031	-0.0045	

Columns 6,211 through 6,225

0.0214	0.0258	0.0097	-0.0067	0.0178	0.0154	0.0024	-0.0234
-0.0153	0.0152	-0.0246	-0.0170	-0.0132	-0.0496	-0.0504	
0.0371	0.0063	-0.0286	-0.0049	-0.0207	0.0218	0.0226	-0.0061
-0.0258	0.0228	0.0124	-0.0195	-0.0353	0.0148	0.0134	
0.0292	-0.0201	-0.0464	-0.0050	-0.0282	0.0165	0.0313	0.0083
-0.0176	0.0046	0.0295	-0.0077	-0.0304	0.0589	0.0649	

Columns 6,226 through 6,240

-0.0271	0.0042	-0.0107	-0.0256	-0.0167	0.0108	-0.0469	0.0030
-0.0008	0.0045	0.0135	-0.0030	0.0093	-0.0264	-0.0017	
0.0026	-0.0135	0.0136	-0.0154	0.0325	0.0158	-0.0119	-0.0242

Assignment 1

Sai Rohith Tanuku

0.0246	-0.0302	-0.0217	0.0130	0.0077	0.0380	-0.0083	
0.0315	-0.0363	0.0238	0.0036	0.0503	0.0139	0.0387	-0.0414
0.0196	-0.0518	-0.0356	0.0056	-0.0004	0.0578	-0.0095	

Columns 6,241 through 6,255

-0.0147	-0.0039	-0.0353	-0.0113	0.0285	0.0009	-0.0086	0.0222
0.0190	-0.0078	0.0177	-0.0051	0.0111	0.0120	0.0403	
-0.0000	-0.0043	0.0028	-0.0206	0.0118	0.0271	0.0074	0.0052
-0.0031	-0.0522	0.0386	0.0005	0.0203	0.0168	0.0118	
0.0017	-0.0043	0.0320	0.0023	-0.0099	0.0379	0.0235	-0.0045
-0.0257	-0.0543	0.0343	-0.0007	0.0183	0.0084	-0.0225	

Columns 6,256 through 6,270

0.0307	0.0023	-0.0023	0.0352	-0.0053	-0.0701	-0.0103	0.0325
-0.0054	-0.0174	-0.0100	-0.0294	-0.0353	0.0102	0.0054	
0.0420	-0.0291	-0.0177	0.0264	-0.0104	-0.0045	-0.0349	0.0224
0.0090	-0.0469	-0.0046	-0.0379	-0.0154	-0.0027	0.0303	
0.0246	-0.0378	-0.0317	-0.0042	-0.0153	0.0482	-0.0268	0.0053
0.0015	-0.0311	0.0055	-0.0210	0.0252	-0.0276	0.0332	

Columns 6,271 through 6,285

0.0051	-0.0028	0.0043	0.0180	0.0099	0.0560	0.0051	0.0226
-0.0126	0.0271	0.0038	0.0011	0.0081	0.0085	0.0159	
-0.0107	-0.0195	0.0281	0.0036	0.0067	0.0029	0.0061	-0.0235
-0.0099	0.0128	0.0100	0.0156	0.0391	-0.0023	0.0155	
-0.0223	-0.0256	0.0155	-0.0092	-0.0042	-0.0432	-0.0032	-0.0449
-0.0076	0.0165	0.0201	0.0161	0.0305	-0.0041	0.0044	

Columns 6,286 through 6,300

-0.0179	-0.0431	0.0222	-0.0058	0.0199	0.0207	-0.0035	-0.0233
-0.0143	0.0250	-0.0194	0.0067	0.0187	-0.0120	0.0415	
-0.0156	-0.0179	0.0632	-0.0042	-0.0027	0.0363	0.0090	-0.0207
-0.0077	-0.0006	0.0008	0.0200	-0.0121	0.0184	0.0148	
-0.0040	0.0054	0.0479	-0.0062	-0.0132	0.0317	0.0029	0.0126
0.0117	-0.0170	0.0262	0.0312	-0.0316	0.0400	-0.0215	

Columns 6,301 through 6,315

-0.0268	-0.0472	0.0170	0.0273	0.0260	-0.0236	0.0322	-0.0013
0.0285	0.0073	-0.0103	-0.0099	0.0130	0.0262	0.0118	
-0.0393	-0.0038	-0.0325	0.0282	-0.0024	-0.0036	-0.0222	0.0127
-0.0072	0.0060	-0.0161	0.0101	0.0524	0.0158	0.0228	
-0.0347	0.0319	-0.0594	0.0124	-0.0265	0.0018	-0.0564	0.0109
-0.0374	0.0060	-0.0164	0.0166	0.0554	-0.0126	0.0332	

Columns 6,316 through 6,330

-0.0220	0.0070	-0.0314	0.0152	-0.0416	0.0102	0.0160	-0.0017
0.0010	0.0060	-0.0162	-0.0056	0.0697	-0.0148	0.0059	
-0.0196	0.0088	-0.0174	-0.0095	0.0108	0.0104	0.0149	-0.0133
-0.0034	0.0153	-0.0169	-0.0202	0.0434	-0.0259	-0.0054	
-0.0020	0.0090	0.0168	-0.0325	0.0441	0.0125	-0.0103	-0.0147
-0.0167	0.0180	0.0108	-0.0244	-0.0033	-0.0139	-0.0135	

Columns 6,331 through 6,345

0.0052	-0.0167	-0.0122	-0.0093	0.0074	0.0028	0.0057	-0.0026
-0.0183	-0.0255	0.0127	0.0050	0.0088	0.0192	-0.0239	
-0.0091	-0.0367	-0.0164	0.0235	0.0023	0.0114	-0.0038	-0.0048
0.0172	-0.0389	-0.0131	0.0236	0.0438	-0.0101	0.0002	
-0.0036	-0.0368	-0.0019	0.0396	-0.0029	0.0125	-0.0020	-0.0045
0.0358	-0.0263	-0.0235	0.0215	0.0446	-0.0219	0.0154	

Columns 6,346 through 6,360

0.0297	0.0128	0.0083	0.0066	0.0209	0.0204	0.0033	0.0136
-0.0081	-0.0197	-0.0273	-0.0150	-0.0115	-0.0226	0.0010	
-0.0200	0.0256	-0.0065	-0.0112	0.0273	0.0218	0.0020	-0.0167
-0.0275	-0.0283	0.0018	-0.0074	-0.0248	-0.0006	-0.0167	
-0.0445	0.0251	-0.0241	-0.0085	0.0235	-0.0025	0.0039	-0.0288
-0.0242	-0.0118	0.0229	-0.0067	-0.0222	0.0061	-0.0128	

Columns 6,361 through 6,375

-0.0159	-0.0053	-0.0422	0.0052	0.0093	0.0196	-0.0152	0.0096
-0.0024	0.0217	-0.0383	-0.0280	-0.0069	0.0128	-0.0126	
0.0447	-0.0468	-0.0124	0.0191	0.0032	-0.0081	-0.0129	0.0477
-0.0007	0.0192	0.0186	-0.0178	0.0302	0.0139	-0.0344	
0.0751	-0.0453	0.0229	0.0177	-0.0031	-0.0368	-0.0003	0.0461
0.0103	0.0027	0.0510	-0.0008	0.0381	0.0060	-0.0260	

Columns 6,376 through 6,390

0.0158	-0.0177	0.0233	0.0058	-0.0249	-0.0515	-0.0138	0.0050
-0.0011	0.0263	0.0116	-0.0124	0.0161	-0.0030	-0.0227	
0.0027	0.0048	0.0116	0.0191	0.0177	-0.0386	-0.0415	0.0414
0.0200	0.0091	0.0281	0.0263	-0.0104	-0.0019	-0.0007	
-0.0008	0.0302	-0.0130	0.0180	0.0463	0.0036	-0.0383	0.0506
0.0245	-0.0164	0.0133	0.0276	-0.0213	-0.0016	0.0126	

Columns 6,391 through 6,405

0.0014	0.0294	0.0128	-0.0032	-0.0212	-0.0086	0.0236	0.0178
0.0294	-0.0032	-0.0294	0.0066	0.0160	-0.0173	-0.0158	
0.0212	0.0069	0.0074	0.0132	-0.0497	-0.0014	-0.0017	-0.0037
0.0175	-0.0003	-0.0163	0.0102	-0.0276	-0.0270	-0.0105	
0.0386	-0.0198	-0.0019	0.0077	-0.0225	0.0059	-0.0220	-0.0157
0.0028	-0.0082	0.0026	0.0134	-0.0378	-0.0140	0.0024	

Columns 6,406 through 6,420

0.0546	0.0032	-0.0287	-0.0013	-0.0011	0.0045	-0.0244	0.0180
-0.0111	-0.0115	-0.0013	0.0216	0.0054	-0.0071	-0.0119	
0.0031	-0.0229	-0.0073	0.0190	-0.0149	0.0257	0.0080	-0.0128
-0.0440	-0.0112	-0.0062	0.0268	0.0168	-0.0132	0.0064	
-0.0449	-0.0275	0.0379	0.0269	-0.0315	0.0190	0.0295	-0.0200
-0.0319	-0.0137	-0.0065	0.0207	0.0097	-0.0152	0.0217	

Columns 6,421 through 6,435

-0.0036	0.0178	-0.0103	0.0183	0.0383	-0.0231	0.0074	-0.0039
-0.0467	-0.0150	-0.0049	-0.0024	0.0134	0.0204	0.0059	

Assignment 1

Sai Rohith Tanuku

0.0020	0.0273	-0.0113	-0.0010	0.0117	0.0449	0.0210	0.0028
0.0010	-0.0002	0.0044	-0.0063	0.0430	-0.0060	-0.0061	
0.0222	0.0126	-0.0134	-0.0095	-0.0056	0.0761	0.0243	0.0010
0.0418	0.0055	0.0041	-0.0104	0.0379	-0.0275	-0.0010	

Columns 6,436 through 6,450

-0.0341	0.0493	-0.0376	-0.0268	-0.0173	-0.0058	-0.0042	-0.0152
0.0063	0.0612	-0.0096	0.0025	-0.0173	0.0458	0.0316	
-0.0052	0.0239	-0.0003	0.0137	0.0049	0.0052	-0.0365	0.0221
-0.0118	0.0012	0.0137	-0.0128	0.0153	-0.0041	-0.0033	
0.0320	-0.0255	0.0212	0.0305	0.0314	0.0131	-0.0321	0.0403
-0.0276	-0.0600	0.0165	-0.0226	0.0392	-0.0394	-0.0276	

Columns 6,451 through 6,465

0.0149	-0.0066	-0.0246	-0.0097	-0.0248	-0.0058	0.0031	-0.0185
0.0231	0.0288	-0.0348	-0.0233	-0.0112	0.0042	-0.0014	
0.0252	-0.0047	-0.0396	-0.0113	0.0523	0.0053	0.0070	-0.0104
-0.0197	-0.0055	-0.0578	-0.0230	-0.0353	-0.0075	0.0254	
0.0246	0.0015	-0.0229	-0.0020	0.0705	0.0064	0.0065	0.0060
-0.0257	-0.0426	-0.0185	-0.0039	-0.0298	-0.0149	0.0305	

Columns 6,466 through 6,480

-0.0377	-0.0219	-0.0284	0.0140	-0.0028	0.0270	-0.0036	0.0310
-0.0110	-0.0248	0.0504	0.0246	-0.0477	0.0124	-0.0382	
-0.0070	-0.0081	-0.0396	-0.0161	-0.0143	0.0254	-0.0288	0.0227
-0.0007	-0.0299	0.0080	0.0156	-0.0190	0.0154	-0.0058	
0.0133	0.0147	-0.0179	-0.0353	-0.0019	0.0152	-0.0422	-0.0143
0.0120	-0.0043	-0.0361	-0.0078	0.0198	0.0060	0.0197	

Columns 6,481 through 6,495

0.0076	-0.0130	0.0072	-0.0011	0.0292	0.0249	-0.0102	0.0051
0.0033	-0.0049	-0.0525	0.0224	0.0160	0.0198	-0.0169	
0.0031	0.0043	-0.0071	0.0075	0.0047	-0.0271	0.0070	-0.0223
0.0093	-0.0173	0.0142	0.0219	-0.0236	0.0475	0.0329	
-0.0091	0.0282	-0.0188	0.0188	-0.0172	-0.0496	0.0246	-0.0257
0.0127	-0.0062	0.0533	0.0048	-0.0523	0.0335	0.0596	

Columns 6,496 through 6,510

0.0206	-0.0134	-0.0348	-0.0387	-0.0245	0.0150	-0.0114	-0.0058
-0.0447	0.0290	-0.0129	-0.0199	-0.0116	0.0013	-0.0226	
0.0158	-0.0533	-0.0411	-0.0069	-0.0242	-0.0241	0.0078	-0.0123
-0.0074	-0.0136	0.0147	0.0366	-0.0267	-0.0114	-0.0114	
-0.0063	-0.0512	-0.0219	0.0390	-0.0172	-0.0366	0.0138	-0.0082
0.0331	-0.0452	0.0440	0.0655	-0.0048	-0.0047	0.0092	

Columns 6,511 through 6,525

0.0283	0.0188	-0.0464	-0.0105	0.0224	-0.0068	0.0170	0.0283
-0.0509	0.0149	-0.0330	0.0295	-0.0010	-0.0443	-0.0035	
0.0025	-0.0156	-0.0348	0.0306	-0.0220	0.0295	0.0126	0.0073
-0.0177	-0.0131	-0.0485	-0.0041	0.0162	0.0134	-0.0024	
-0.0346	-0.0292	-0.0125	0.0574	-0.0415	0.0447	0.0012	-0.0252

Assignment 1

Sai Rohith Tanuku

0.0157 -0.0208 -0.0316 -0.0409 0.0190 0.0564 0.0005

Columns 6,526 through 6,540

-0.0062	0.0091	-0.0095	0.0107	-0.0047	0.0033	-0.0194	-0.0162
0.0194	-0.0047	0.0077	-0.0484	0.0060	-0.0096	-0.0104	
0.0519	-0.0002	0.0022	0.0061	-0.0022	0.0150	0.0196	0.0171
0.0086	-0.0293	-0.0168	-0.0216	0.0060	0.0241	0.0186	
0.0766	-0.0134	0.0220	-0.0007	0.0127	0.0129	0.0272	0.0294
-0.0071	-0.0264	-0.0284	-0.0029	0.0075	0.0298	0.0343	

Columns 6,541 through 6,555

-0.0115	-0.0044	-0.0032	0.0263	-0.0335	-0.0555	-0.0571	0.0411
-0.0014	-0.0007	0.0207	-0.0273	-0.0125	0.0446	-0.0187	
-0.0241	0.0170	0.0254	0.0463	0.0098	-0.0155	-0.0388	-0.0007
-0.0267	-0.0102	-0.0103	-0.0242	-0.0058	-0.0137	0.0213	
-0.0077	0.0255	0.0405	0.0310	0.0514	0.0192	0.0114	-0.0331
-0.0217	-0.0167	-0.0256	0.0050	0.0011	-0.0549	0.0356	

Columns 6,556 through 6,570

0.0243	-0.0222	0.0251	-0.0144	0.0230	-0.0025	-0.0061	0.0208
0.0131	-0.0444	-0.0135	0.0247	0.0041	-0.0294	0.0043	
0.0486	0.0119	0.0047	-0.0476	0.0510	-0.0192	0.0137	-0.0023
0.0217	-0.0063	0.0032	-0.0078	-0.0006	-0.0395	-0.0013	
0.0278	0.0428	-0.0214	-0.0411	0.0486	-0.0233	0.0255	-0.0213
0.0233	0.0337	0.0173	-0.0188	-0.0081	-0.0195	-0.0047	

Columns 6,571 through 6,585

-0.0280	-0.0088	0.0222	-0.0230	0.0180	-0.0285	0.0149	-0.0209
0.0072	-0.0244	-0.0233	0.0127	0.0099	0.0270	0.0029	
0.0064	0.0006	0.0228	0.0145	-0.0445	-0.0301	-0.0042	-0.0047
0.0030	-0.0256	0.0244	0.0458	-0.0069	-0.0059	-0.0374	
0.0371	0.0157	0.0168	0.0341	-0.0747	-0.0022	-0.0107	0.0028
-0.0082	-0.0197	0.0605	0.0369	-0.0018	-0.0216	-0.0407	

Columns 6,586 through 6,600

-0.0229	-0.0012	-0.0281	-0.0220	-0.0027	0.0375	0.0263	-0.0152
0.0082	-0.0204	-0.0004	-0.0151	-0.0160	0.0168	-0.0299	
-0.0159	0.0168	-0.0108	0.0261	0.0115	0.0411	0.0434	0.0259
-0.0011	0.0163	-0.0280	-0.0041	-0.0005	0.0071	-0.0179	
-0.0116	0.0188	0.0139	0.0521	0.0304	0.0399	0.0401	0.0551
-0.0168	0.0242	-0.0371	0.0164	0.0091	0.0047	0.0055	

Columns 6,601 through 6,615

-0.0130	-0.0112	0.0475	0.0196	0.0191	-0.0109	0.0060	0.0602
0.0107	0.0230	0.0160	-0.0125	-0.0406	0.0321	-0.0132	
0.0213	-0.0162	0.0123	0.0008	-0.0133	-0.0026	-0.0025	-0.0281
-0.0035	-0.0303	0.0120	-0.0242	-0.0068	0.0304	0.0181	
0.0411	-0.0108	-0.0309	-0.0143	-0.0367	-0.0035	-0.0169	-0.0765
-0.0108	-0.0617	0.0057	-0.0213	0.0274	0.0034	0.0149	

Columns 6,616 through 6,630

Assignment 1

Sai Rohith Tanuku

-0.0383	0.0027	-0.0238	-0.0108	0.0026	0.0133	-0.0242	0.0021
-0.0256	0.0140	0.0163	-0.0057	-0.0373	-0.0063	-0.0068	
0.0053	-0.0336	0.0345	0.0109	-0.0126	0.0515	-0.0111	0.0294
-0.0184	-0.0064	-0.0146	0.0088	-0.0127	0.0037	-0.0446	
0.0328	-0.0376	0.0630	0.0108	-0.0330	0.0405	0.0113	0.0204
0.0111	-0.0187	-0.0218	0.0119	0.0045	0.0268	-0.0540	

Columns 6,631 through 6,645

-0.0291	0.0075	-0.0179	0.0054	-0.0023	0.0473	0.0151	-0.0086
-0.0211	-0.0260	0.0070	0.0179	-0.0413	0.0382	0.0174	
-0.0548	-0.0221	-0.0243	0.0087	0.0165	-0.0378	-0.0170	-0.0249
0.0101	0.0247	0.0428	0.0015	-0.0244	-0.0152	0.0172	
-0.0259	-0.0324	-0.0017	-0.0014	0.0136	-0.0823	-0.0136	-0.0315
0.0221	0.0500	0.0488	-0.0068	0.0058	-0.0476	0.0058	

Columns 6,646 through 6,660

-0.0290	-0.0004	-0.0004	0.0236	0.0050	0.0069	0.0079	0.0126
-0.0267	0.0423	-0.0093	0.0404	0.0092	-0.0149	-0.0080	
0.0095	-0.0466	0.0138	-0.0050	0.0126	0.0172	0.0176	0.0130
-0.0202	-0.0023	-0.0285	0.0352	-0.0152	-0.0561	-0.0003	
0.0325	-0.0618	0.0308	-0.0228	0.0080	0.0044	0.0029	0.0036
-0.0051	-0.0372	-0.0240	0.0064	-0.0213	-0.0580	0.0242	

Columns 6,661 through 6,675

0.0112	-0.0046	-0.0248	0.0136	0.0397	-0.0252	0.0175	-0.0279
0.0136	0.0082	0.0078	-0.0086	0.0035	0.0072	0.0207	
0.0181	-0.0047	-0.0098	-0.0064	0.0109	-0.0054	0.0045	0.0522
0.0144	-0.0412	-0.0041	-0.0093	0.0103	-0.0206	0.0086	
-0.0042	-0.0100	0.0127	-0.0305	-0.0258	0.0056	-0.0049	0.0860
-0.0063	-0.0406	0.0034	-0.0094	0.0071	-0.0425	-0.0026	

Columns 6,676 through 6,690

0.0043	-0.0029	0.0027	-0.0121	-0.0384	-0.0432	0.0193	-0.0019
0.0164	0.0308	-0.0116	-0.0231	-0.0168	0.0035	0.0289	
0.0119	-0.0074	0.0488	-0.0088	0.0199	-0.0206	0.0023	-0.0301
-0.0255	0.0308	0.0065	-0.0310	-0.0027	0.0035	0.0263	
0.0260	0.0147	0.0517	-0.0014	0.0311	0.0201	-0.0094	-0.0319
-0.0500	0.0124	0.0093	-0.0211	0.0083	0.0125	0.0069	

Columns 6,691 through 6,705

-0.0217	-0.0053	-0.0086	0.0657	0.0226	0.0255	0.0158	0.0240
-0.0028	-0.0048	0.0229	-0.0102	0.0097	0.0119	0.0129	
-0.0249	0.0162	-0.0463	0.0256	-0.0293	-0.0264	-0.0131	0.0365
-0.0152	0.0071	-0.0343	-0.0146	0.0352	0.0063	0.0222	
-0.0126	0.0062	-0.0525	-0.0205	-0.0507	-0.0637	-0.0202	0.0177
-0.0243	0.0124	-0.0623	0.0004	0.0537	0.0027	0.0183	

Columns 6,706 through 6,720

0.0041	-0.0180	-0.0110	-0.0033	0.0145	-0.0085	0.0165	0.0173
-0.0100	0.0087	-0.0165	0.0156	-0.0174	0.0107	-0.0175	
0.0240	-0.0245	-0.0289	-0.0093	-0.0040	-0.0181	-0.0135	-0.0108
0.0020	0.0280	-0.0062	0.0320	0.0179	0.0241	0.0267	

Assignment 1

Sai Rohith Tanuku

0.0206	-0.0124	-0.0272	-0.0245	-0.0201	-0.0280	-0.0256	-0.0197
0.0050	0.0158	0.0112	0.0259	0.0255	0.0158	0.0403	

Columns 6,721 through 6,735

0.0027	0.0125	-0.0035	-0.0443	-0.0225	-0.0247	-0.0063	0.0141
0.0140	-0.0081	-0.0280	-0.0131	-0.0389	0.0213	0.0441	
-0.0159	-0.0511	-0.0350	-0.0021	-0.0182	-0.0207	0.0157	-0.0112
0.0131	0.0025	0.0396	-0.0048	0.0031	-0.0271	-0.0183	
-0.0418	-0.0820	-0.0498	0.0431	0.0156	-0.0062	0.0120	-0.0207
0.0081	0.0075	0.0699	0.0085	0.0320	-0.0507	-0.0629	

Columns 6,736 through 6,750

0.0198	0.0301	-0.0066	0.0172	-0.0044	-0.0047	-0.0256	0.0109
-0.0383	0.0276	0.0111	0.0388	0.0295	-0.0205	0.0101	
0.0192	0.0156	-0.0112	-0.0049	-0.0092	-0.0031	-0.0335	0.0126
-0.0031	0.0343	-0.0179	0.0138	-0.0386	0.0086	0.0191	
0.0120	-0.0095	-0.0064	-0.0325	-0.0004	-0.0131	-0.0271	0.0093
0.0249	0.0120	-0.0245	-0.0155	-0.0717	0.0351	0.0123	

Columns 6,751 through 6,765

0.0208	0.0218	-0.0112	-0.0025	-0.0007	0.0262	0.0048	-0.0378
0.0014	-0.0041	-0.0006	-0.0267	0.0464	-0.0236	0.0165	
0.0007	0.0048	0.0199	0.0271	0.0023	0.0377	-0.0052	-0.0253
0.0145	-0.0355	-0.0348	-0.0344	0.0314	0.0008	0.0522	
0.0021	-0.0080	0.0261	0.0232	0.0053	0.0190	-0.0121	0.0048
0.0296	-0.0315	-0.0523	-0.0296	-0.0115	0.0207	0.0465	

Columns 6,766 through 6,780

0.0009	-0.0405	-0.0019	-0.0298	-0.0190	0.0108	0.0088	0.0181
0.0120	-0.0019	0.0352	-0.0086	0.0111	0.0332	-0.0061	
0.0107	0.0096	0.0052	-0.0249	0.0042	-0.0038	-0.0239	0.0294
0.0012	-0.0013	-0.0131	0.0065	-0.0041	0.0078	-0.0041	
0.0115	0.0526	0.0167	-0.0019	0.0240	-0.0109	-0.0250	0.0303
-0.0062	-0.0059	-0.0509	0.0077	-0.0072	-0.0248	-0.0156	

Columns 6,781 through 6,795

0.0323	0.0006	0.0354	-0.0087	0.0019	-0.0051	-0.0049	0.0169
-0.0134	0.0429	0.0021	0.0012	0.0180	-0.0160	0.0354	
0.0028	-0.0145	0.0190	0.0215	-0.0453	0.0072	0.0127	0.0017
-0.0244	0.0155	-0.0268	0.0065	0.0296	-0.0006	-0.0111	
-0.0242	-0.0109	-0.0022	0.0298	-0.0485	0.0173	0.0273	-0.0205
-0.0278	-0.0188	-0.0445	0.0068	0.0179	0.0166	-0.0358	

Columns 6,796 through 6,810

0.0111	-0.0346	-0.0179	0.0310	0.0123	-0.0021	0.0280	-0.0383
0.0336	-0.0077	-0.0207	0.0075	-0.0037	-0.0077	0.0177	
-0.0045	0.0051	-0.0078	0.0261	0.0019	-0.0087	0.0371	0.0064
0.0305	0.0348	-0.0134	0.0143	0.0175	-0.0123	0.0021	
-0.0179	0.0361	0.0079	-0.0124	0.0004	-0.0068	0.0133	0.0450
0.0166	0.0503	0.0073	0.0249	0.0212	-0.0009	-0.0184	

Columns 6,811 through 6,825

0.0225	-0.0031	0.0600	0.0172	-0.0409	-0.0001	0.0006	0.0095
-0.0043	0.0060	-0.0502	0.0134	-0.0082	0.0135	0.0236	
-0.0217	0.0007	0.0590	0.0059	0.0001	0.0405	-0.0126	-0.0022
-0.0071	0.0036	-0.0445	-0.0136	0.0044	-0.0085	-0.0281	
-0.0423	-0.0057	0.0129	-0.0021	0.0492	0.0474	-0.0069	-0.0063
-0.0092	-0.0110	-0.0167	-0.0210	0.0108	-0.0266	-0.0460	

Columns 6,826 through 6,840

0.0456	-0.0037	0.0119	-0.0054	0.0266	-0.0157	-0.0298	-0.0293
-0.0065	-0.0472	0.0096	0.0038	-0.0104	-0.0394	0.0043	
-0.0016	-0.0521	-0.0178	0.0025	0.0106	-0.0356	-0.0605	-0.0033
0.0100	-0.0123	-0.0155	-0.0196	0.0512	-0.0138	0.0056	
-0.0139	-0.0654	-0.0479	0.0013	-0.0188	-0.0339	-0.0505	0.0108
0.0282	0.0230	-0.0324	-0.0366	0.0745	0.0149	-0.0034	

Columns 6,841 through 6,855

-0.0094	0.0144	0.0244	-0.0055	0.0153	-0.0563	0.0240	0.0021
0.0093	-0.0132	-0.0217	-0.0221	-0.0296	-0.0104	-0.0347	
-0.0671	-0.0260	-0.0208	0.0026	0.0359	0.0412	-0.0190	-0.0361
0.0111	-0.0251	0.0030	0.0040	0.0026	0.0168	-0.0007	
-0.0808	-0.0363	-0.0501	0.0077	0.0492	0.0879	-0.0264	-0.0394
0.0186	-0.0194	0.0487	0.0108	0.0434	0.0345	0.0292	

Columns 6,856 through 6,870

0.0250	-0.0101	0.0180	-0.0152	0.0316	-0.0681	-0.0250	0.0003
-0.0099	-0.0072	-0.0027	-0.0141	0.0046	0.0240	0.0028	
-0.0273	0.0364	-0.0050	-0.0019	0.0050	-0.0047	0.0115	0.0072
-0.0481	0.0111	-0.0111	0.0258	0.0237	0.0159	-0.0125	
-0.0471	0.0675	-0.0228	0.0249	-0.0186	0.0507	0.0256	0.0121
-0.0514	0.0124	-0.0084	0.0284	0.0304	-0.0055	-0.0209	

Columns 6,871 through 6,885

-0.0087	-0.0062	0.0088	0.0030	-0.0400	-0.0113	0.0184	-0.0152
0.0037	0.0175	-0.0373	-0.0327	0.0165	-0.0256	0.0414	
-0.0166	-0.0200	-0.0254	0.0006	0.0022	-0.0301	-0.0029	0.0378
-0.0115	0.0013	0.0122	-0.0069	0.0076	0.0018	0.0039	
-0.0074	-0.0190	-0.0333	0.0149	0.0205	-0.0367	-0.0229	0.0592
-0.0167	-0.0107	0.0477	0.0149	-0.0107	0.0369	-0.0300	

Columns 6,886 through 6,900

-0.0096	-0.0296	0.0082	0.0307	0.0059	0.0051	0.0088	0.0138
0.0058	-0.0065	0.0155	0.0044	-0.0028	0.0053	0.0205	
0.0350	0.0325	0.0026	-0.0175	-0.0090	-0.0178	0.0073	-0.0270
-0.0252	0.0124	-0.0106	0.0147	-0.0459	-0.0405	0.0068	
0.0469	0.0537	-0.0024	-0.0500	-0.0220	-0.0291	0.0204	-0.0278
-0.0248	0.0318	-0.0237	-0.0017	-0.0516	-0.0675	-0.0170	

Columns 6,901 through 6,915

0.0118	0.0091	0.0121	0.0110	-0.0315	-0.0382	-0.0120	0.0004
0.0051	0.0251	0.0167	-0.0120	-0.0183	-0.0071	0.0022	
0.0165	-0.0152	-0.0256	-0.0447	-0.0153	-0.0036	-0.0096	-0.0230

Assignment 1

Sai Rohith Tanuku

0.0091	0.0193	-0.0007	0.0121	0.0024	0.0135	0.0102	
0.0116	-0.0307	-0.0429	-0.0525	0.0105	0.0216	-0.0048	-0.0186
-0.0063	-0.0014	-0.0143	0.0346	0.0216	0.0306	0.0027	

Columns 6,916 through 6,930

-0.0100	0.0030	0.0062	-0.0105	0.0123	0.0016	0.0181	-0.0189
0.0281	-0.0110	0.0031	-0.0273	-0.0183	-0.0029	-0.0250	
0.0027	0.0360	-0.0395	0.0046	-0.0176	-0.0239	-0.0273	0.0282
0.0049	-0.0074	0.0086	-0.0278	-0.0138	0.0358	-0.0050	
0.0226	0.0368	-0.0620	0.0263	-0.0313	-0.0359	-0.0392	0.0516
-0.0200	-0.0012	0.0121	-0.0139	-0.0018	0.0563	0.0162	

Columns 6,931 through 6,945

0.0204	-0.0188	-0.0077	-0.0279	-0.0276	-0.0234	0.0216	-0.0141
-0.0121	0.0002	0.0174	0.0114	-0.0260	-0.0289	-0.0009	
0.0230	0.0163	0.0153	-0.0140	-0.0153	0.0026	-0.0043	0.0148
-0.0325	0.0266	0.0372	-0.0131	-0.0024	0.0087	0.0060	
0.0153	0.0381	0.0175	0.0108	0.0120	0.0209	-0.0112	0.0199
-0.0311	0.0310	0.0242	-0.0115	-0.0027	0.0359	0.0104	

Columns 6,946 through 6,960

0.0258	0.0123	0.0018	0.0299	0.0094	-0.0372	-0.0060	0.0102
0.0018	0.0190	0.0058	-0.0080	-0.0210	0.0378	-0.0145	
-0.0141	-0.0095	0.0249	-0.0068	-0.0095	0.0477	0.0386	0.0244
0.0362	0.0065	-0.0483	0.0025	0.0145	0.0130	0.0329	
-0.0491	-0.0276	0.0302	-0.0305	-0.0161	0.0700	0.0509	0.0165
0.0512	-0.0055	-0.0671	0.0169	0.0346	-0.0254	0.0478	

Columns 6,961 through 6,975

0.0286	-0.0119	-0.0414	-0.0219	-0.0100	-0.0074	0.0367	0.0252
-0.0200	0.0050	-0.0157	-0.0022	0.0090	-0.0403	-0.0117	
0.0222	0.0050	-0.0192	-0.0230	0.0177	-0.0291	0.0086	0.0231
-0.0049	-0.0364	-0.0408	0.0048	-0.0237	-0.0313	-0.0052	
-0.0090	0.0127	0.0143	-0.0185	0.0351	-0.0412	-0.0106	-0.0085
0.0129	-0.0457	-0.0215	0.0068	-0.0467	-0.0143	0.0041	

Columns 6,976 through 6,990

-0.0030	0.0317	0.0226	-0.0177	-0.0094	-0.0573	-0.0148	0.0015
0.0196	0.0075	-0.0452	0.0136	-0.0118	-0.0271	0.0293	
-0.0007	-0.0059	-0.0048	-0.0417	-0.0127	-0.0222	0.0130	0.0042
0.0135	0.0328	0.0041	0.0057	0.0078	0.0321	0.0345	
0.0009	-0.0229	-0.0316	-0.0212	0.0029	0.0210	0.0352	0.0013
-0.0182	0.0240	0.0443	0.0145	0.0167	0.0660	0.0170	

Columns 6,991 through 7,005

0.0236	0.0085	-0.0310	-0.0535	-0.0233	0.0357	-0.0121	-0.0014
0.0142	0.0054	-0.0030	0.0198	0.0020	-0.0254	0.0539	
0.0160	-0.0443	-0.0328	-0.0244	0.0098	-0.0034	-0.0288	0.0159
0.0091	0.0141	0.0232	-0.0263	0.0110	0.0215	0.0192	
0.0063	-0.0677	-0.0085	0.0122	0.0323	-0.0304	-0.0137	0.0065
0.0132	0.0026	0.0405	-0.0461	0.0190	0.0548	-0.0016	

Columns 7,006 through 7,020

-0.0261	0.0199	0.0388	-0.0197	0.0041	-0.0370	-0.0134	-0.0158
0.0276	0.0022	-0.0346	-0.0216	0.0215	-0.0014	0.0363	
-0.0127	-0.0002	-0.0082	-0.0170	0.0228	-0.0096	0.0070	-0.0061
-0.0226	-0.0208	-0.0037	-0.0051	-0.0190	-0.0114	-0.0396	
0.0148	-0.0268	-0.0343	-0.0005	0.0146	0.0248	0.0183	0.0135
-0.0415	-0.0341	0.0385	0.0073	-0.0493	-0.0417	-0.0739	

Columns 7,021 through 7,035

0.0142	-0.0527	0.0379	-0.0029	-0.0316	-0.0119	-0.0409	0.0353
-0.0131	0.0202	-0.0029	-0.0316	0.0015	-0.0004	-0.0372	
0.0169	-0.0100	0.0204	0.0013	0.0401	-0.0005	-0.0032	0.0097
0.0067	-0.0178	-0.0672	-0.0094	-0.0054	0.0362	-0.0182	
0.0117	0.0435	-0.0166	0.0041	0.0788	0.0192	0.0410	-0.0256
0.0051	-0.0314	-0.0779	0.0166	-0.0174	0.0419	0.0060	

Columns 7,036 through 7,050

-0.0128	-0.0239	0.0227	-0.0252	0.0318	-0.0171	-0.0209	0.0161
-0.0082	0.0568	-0.0435	0.0295	-0.0204	-0.0090	0.0367	
-0.0003	0.0182	-0.0023	-0.0272	-0.0033	-0.0427	-0.0022	-0.0130
-0.0274	0.0101	0.0032	0.0058	-0.0010	0.0186	0.0177	
0.0103	0.0467	-0.0149	-0.0087	-0.0338	-0.0323	0.0062	-0.0210
-0.0151	-0.0376	0.0401	-0.0131	0.0077	0.0309	-0.0152	

Columns 7,051 through 7,065

-0.0076	0.0410	0.0005	0.0108	-0.0249	0.0228	-0.0214	-0.0141
-0.0034	-0.0189	0.0285	0.0328	0.0125	0.0220	0.0077	
-0.0214	0.0132	0.0050	0.0430	-0.0150	-0.0205	-0.0160	-0.0231
-0.0323	-0.0222	0.0328	0.0229	-0.0144	0.0256	-0.0217	
-0.0309	-0.0201	0.0207	0.0445	0.0095	-0.0405	0.0020	-0.0181
-0.0354	0.0004	0.0021	0.0117	-0.0225	0.0077	-0.0318	

Columns 7,066 through 7,080

-0.0466	-0.0207	0.0074	-0.0142	0.0014	-0.0087	0.0021	0.0115
0.0273	-0.0130	0.0334	-0.0103	-0.0224	0.0181	-0.0047	
0.0303	-0.0152	-0.0028	0.0164	-0.0151	-0.0064	0.0307	0.0147
-0.0155	-0.0429	-0.0118	0.0088	0.0140	0.0135	0.0236	
0.0762	-0.0038	0.0026	0.0203	-0.0204	-0.0042	0.0445	0.0121
-0.0453	-0.0302	-0.0412	0.0140	0.0287	0.0039	0.0331	

Columns 7,081 through 7,095

-0.0305	0.0103	-0.0084	-0.0191	0.0238	-0.0189	-0.0367	-0.0054
-0.0049	0.0125	-0.0213	-0.0309	-0.0102	0.0001	-0.0394	
0.0111	0.0420	0.0194	-0.0059	0.0120	0.0268	0.0276	0.0021
-0.0030	-0.0083	-0.0500	-0.0065	-0.0215	0.0009	-0.0067	
0.0461	0.0442	0.0169	0.0191	-0.0001	0.0603	0.0659	0.0066
0.0093	-0.0285	-0.0516	0.0286	-0.0154	-0.0021	0.0309	

Columns 7,096 through 7,110

0.0104	0.0061	-0.0099	-0.0341	-0.0233	0.0095	-0.0258	-0.0011
-0.0423	0.0454	-0.0180	-0.0241	-0.0055	0.0314	-0.0122	

Assignment 1

Sai Rohith Tanuku

0.0249	0.0088	-0.0332	0.0056	-0.0291	0.0050	0.0388	-0.0200
-0.0005	0.0233	-0.0301	0.0237	-0.0129	0.0243	-0.0042	
0.0163	0.0076	-0.0337	0.0365	-0.0148	-0.0037	0.0539	-0.0301
0.0372	-0.0220	-0.0216	0.0461	-0.0122	0.0003	0.0147	

Columns 7,111 through 7,125

0.0229	-0.0311	-0.0091	0.0076	-0.0026	-0.0172	0.0185	-0.0490
-0.0407	-0.0163	0.0081	0.0039	0.0230	-0.0319	-0.0211	
0.0475	0.0080	-0.0281	0.0567	-0.0120	0.0172	0.0099	-0.0009
0.0262	-0.0318	-0.0356	0.0360	-0.0274	0.0200	0.0204	
0.0370	0.0230	-0.0333	0.0687	-0.0157	0.0353	-0.0023	0.0472
0.0520	-0.0163	-0.0487	0.0516	-0.0339	0.0553	0.0354	

Columns 7,126 through 7,140

-0.0270	0.0060	-0.0012	0.0041	0.0070	0.0002	-0.0367	0.0314
-0.0056	-0.0187	0.0183	-0.0226	-0.0191	0.0216	0.0067	
-0.0290	0.0017	-0.0229	0.0282	-0.0145	0.0021	-0.0255	0.0330
0.0067	-0.0095	-0.0279	0.0020	-0.0610	0.0212	0.0127	
-0.0010	-0.0018	-0.0325	0.0334	-0.0233	-0.0123	0.0013	0.0128
0.0115	0.0237	-0.0508	0.0255	-0.0628	0.0024	-0.0112	

Columns 7,141 through 7,155

-0.0228	-0.0556	0.0015	0.0067	-0.0423	0.0262	0.0082	-0.0196
0.0422	0.0139	0.0011	-0.0110	0.0207	0.0112	-0.0116	
0.0028	-0.0196	0.0214	0.0437	0.0254	0.0230	0.0193	0.0262
0.0024	-0.0093	-0.0009	0.0007	-0.0035	0.0001	-0.0275	
0.0151	0.0396	0.0364	0.0354	0.0677	0.0089	0.0127	0.0447
-0.0413	-0.0303	0.0026	0.0093	-0.0230	0.0045	-0.0247	

Columns 7,156 through 7,170

-0.0063	-0.0138	0.0111	-0.0049	0.0290	0.0126	-0.0104	0.0730
0.0012	0.0083	0.0106	-0.0142	-0.0177	-0.0019	-0.0101	
0.0067	-0.0071	-0.0149	-0.0252	-0.0099	0.0045	-0.0097	0.0066
0.0164	-0.0092	0.0336	0.0510	-0.0025	-0.0037	-0.0149	
0.0075	0.0111	-0.0218	-0.0179	-0.0212	-0.0176	-0.0017	-0.0724
0.0069	-0.0214	0.0419	0.0575	0.0195	-0.0145	-0.0134	

Columns 7,171 through 7,185

0.0170	-0.0406	-0.0006	0.0124	-0.0217	0.0184	0.0153	0.0123
0.0181	-0.0042	-0.0108	-0.0098	-0.0320	0.0037	-0.0079	
0.0316	-0.0137	-0.0116	0.0076	0.0108	-0.0316	-0.0416	-0.0352
-0.0060	-0.0004	0.0321	0.0070	0.0412	-0.0108	-0.0018	
0.0235	0.0214	-0.0143	-0.0107	0.0437	-0.0677	-0.0547	-0.0542
-0.0192	-0.0124	0.0609	0.0127	0.0936	-0.0212	-0.0033	

Columns 7,186 through 7,200

0.0039	-0.0346	-0.0015	0.0056	0.0074	-0.0260	-0.0093	-0.0020
-0.0089	-0.0286	-0.0518	-0.0021	0.0088	-0.0059	0.0132	
0.0018	-0.0009	-0.0007	0.0253	-0.0274	0.0488	-0.0059	-0.0325
-0.0298	0.0154	0.0052	-0.0289	0.0116	-0.0122	0.0143	
0.0009	0.0237	0.0038	0.0242	-0.0306	0.0757	0.0030	-0.0381
-0.0275	0.0602	0.0359	-0.0366	0.0059	-0.0019	-0.0039	

Columns 7,201 through 7,215

0.0079	0.0194	0.0471	0.0126	-0.0027	-0.0333	0.0061	0.0559
-0.0074	0.0121	0.0416	-0.0254	0.0078	0.0017	0.0034	
-0.0083	-0.0189	0.0533	0.0097	0.0214	-0.0033	0.0084	0.0480
0.0027	0.0081	-0.0150	-0.0234	0.0327	-0.0044	-0.0015	
-0.0133	-0.0412	0.0155	0.0011	0.0190	0.0073	0.0064	0.0127
0.0151	-0.0070	-0.0401	0.0033	0.0422	-0.0033	0.0018	

Columns 7,216 through 7,230

-0.0176	0.0182	0.0364	0.0207	-0.0347	0.0013	-0.0142	0.0210
0.0173	-0.0013	-0.0117	0.0120	0.0285	0.0188	0.0079	
0.0243	-0.0454	0.0174	-0.0341	-0.0031	0.0127	-0.0359	-0.0015
0.0052	0.0135	-0.0134	-0.0229	-0.0116	0.0097	0.0198	
0.0585	-0.0559	0.0056	-0.0671	0.0190	0.0235	-0.0266	-0.0219
-0.0024	0.0177	-0.0024	-0.0306	-0.0501	-0.0096	0.0245	

Columns 7,231 through 7,245

0.0072	-0.0045	0.0484	0.0468	-0.0036	0.0143	-0.0290	0.0023
-0.0059	0.0354	0.0037	-0.0241	0.0027	-0.0046	0.0055	
0.0168	0.0080	-0.0051	0.0040	0.0147	-0.0066	0.0004	0.0358
0.0037	0.0054	0.0094	0.0352	0.0389	-0.0212	-0.0359	
0.0130	0.0394	-0.0414	-0.0253	0.0205	-0.0331	0.0227	0.0487
-0.0004	-0.0210	0.0119	0.0494	0.0460	-0.0287	-0.0396	

Columns 7,246 through 7,260

-0.0344	-0.0177	-0.0124	0.0122	0.0633	0.0290	0.0232	0.0060
-0.0064	-0.0212	0.0167	-0.0324	0.0020	0.0003	0.0519	
-0.0168	0.0055	-0.0416	0.0116	0.0394	0.0107	-0.0037	0.0119
-0.0041	-0.0113	-0.0082	0.0065	0.0372	-0.0280	0.0464	
0.0087	0.0259	-0.0304	-0.0154	-0.0132	-0.0074	-0.0226	0.0026
-0.0167	0.0012	-0.0220	0.0402	0.0348	-0.0268	0.0062	

Columns 7,261 through 7,275

0.0271	0.0338	0.0084	-0.0342	-0.0078	0.0487	0.0547	-0.0048
0.0045	0.0162	-0.0023	-0.0012	-0.0238	0.0175	0.0335	
-0.0275	-0.0333	0.0117	0.0022	0.0026	0.0121	-0.0039	-0.0282
0.0304	-0.0133	0.0107	0.0390	-0.0088	0.0085	0.0308	
-0.0450	-0.0834	0.0033	0.0161	0.0305	-0.0208	-0.0460	-0.0205
0.0332	-0.0331	0.0231	0.0364	-0.0007	0.0001	0.0134	

Columns 7,276 through 7,290

-0.0137	-0.0491	-0.0195	0.0321	-0.0106	0.0088	0.0229	-0.0178
0.0086	-0.0191	0.0532	0.0273	-0.0032	0.0025	0.0190	
0.0106	-0.0512	0.0243	0.0231	-0.0225	0.0311	0.0148	-0.0208
-0.0306	-0.0101	0.0407	-0.0075	0.0021	-0.0055	0.0005	
0.0300	-0.0290	0.0533	0.0140	-0.0325	0.0380	0.0028	-0.0127
-0.0454	-0.0142	0.0121	-0.0463	0.0056	-0.0117	-0.0155	

Columns 7,291 through 7,305

0.0028	-0.0068	-0.0262	0.0084	-0.0288	0.0183	0.0102	0.0256
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Assignment 1

Sai Rohith Tanuku

-0.0116	-0.0140	-0.0453	-0.0396	-0.0305	-0.0018	-0.0242	
-0.0035	0.0149	0.0234	-0.0075	0.0112	-0.0088	-0.0219	-0.0145
0.0008	-0.0180	-0.0421	0.0233	-0.0123	0.0054	0.0083	
-0.0056	0.0076	0.0496	-0.0159	0.0361	-0.0241	-0.0396	-0.0522
0.0089	-0.0106	-0.0099	0.0701	0.0149	0.0122	0.0290	

Columns 7,306 through 7,320

0.0021	0.0090	0.0123	-0.0269	-0.0095	0.0118	-0.0064	-0.0237
-0.0072	0.0033	0.0005	0.0037	0.0149	-0.0238	-0.0212	
0.0059	0.0068	0.0078	-0.0012	-0.0147	-0.0031	0.0171	0.0030
-0.0381	0.0291	-0.0118	0.0277	-0.0136	0.0009	0.0213	
0.0080	0.0041	-0.0040	0.0134	-0.0082	-0.0251	0.0285	0.0226
-0.0381	0.0316	-0.0031	0.0123	-0.0287	0.0300	0.0416	

Columns 7,321 through 7,335

-0.0059	0.0105	-0.0152	-0.0313	-0.0247	0.0092	0.0042	-0.0396
0.0118	0.0257	-0.0022	0.0499	-0.0230	0.0389	-0.0036	
-0.0089	0.0067	0.0209	-0.0012	-0.0217	0.0136	-0.0132	0.0090
0.0106	-0.0012	-0.0222	0.0187	-0.0182	0.0050	-0.0502	
0.0155	-0.0065	0.0422	0.0179	-0.0040	0.0088	-0.0109	0.0515
0.0206	-0.0320	-0.0256	-0.0209	-0.0034	-0.0117	-0.0523	

Columns 7,336 through 7,350

-0.0118	0.0052	0.0210	0.0232	0.0284	-0.0002	-0.0312	-0.0022
0.0242	-0.0204	0.0073	-0.0155	-0.0007	0.0019	-0.0265	
0.0065	0.0465	-0.0191	0.0385	0.0042	-0.0272	0.0100	-0.0048
0.0085	-0.0237	0.0028	0.0083	-0.0057	0.0090	-0.0098	
0.0152	0.0526	-0.0480	0.0247	-0.0162	-0.0377	0.0495	0.0008
-0.0213	-0.0096	-0.0043	0.0262	-0.0133	0.0102	0.0154	

Columns 7,351 through 7,365

-0.0150	-0.0376	-0.0017	-0.0053	0.0022	-0.0031	-0.0059	-0.0063
-0.0021	0.0237	0.0040	-0.0029	-0.0277	-0.0100	-0.0021	
-0.0383	-0.0033	-0.0248	0.0145	0.0045	0.0061	0.0362	-0.0017
-0.0219	0.0262	0.0016	-0.0081	-0.0117	-0.0245	0.0384	
-0.0317	0.0241	-0.0287	0.0117	0.0131	-0.0022	0.0435	0.0098
-0.0295	0.0062	-0.0072	-0.0140	0.0013	-0.0239	0.0577	

Columns 7,366 through 7,380

-0.0005	-0.0156	-0.0282	-0.0038	0.0061	-0.0152	0.0190	0.0092
-0.0009	-0.0211	0.0398	-0.0040	0.0217	0.0343	0.0108	
-0.0250	0.0159	-0.0214	0.0371	-0.0032	-0.0672	0.0035	0.0348
-0.0174	-0.0151	0.0129	0.0295	0.0337	0.0153	0.0238	
-0.0402	0.0250	-0.0047	0.0485	-0.0185	-0.0564	-0.0083	0.0349
-0.0275	0.0041	-0.0232	0.0334	0.0307	-0.0061	0.0263	

Columns 7,381 through 7,395

-0.0128	-0.0247	0.0368	-0.0162	-0.0188	0.0500	-0.0307	-0.0141
0.0013	-0.0338	0.0051	0.0564	0.0222	-0.0314	0.0140	
-0.0101	-0.0072	0.0056	-0.0111	0.0063	0.0198	-0.0429	0.0007
-0.0082	0.0021	-0.0281	0.0137	0.0222	0.0048	0.0371	
-0.0179	0.0141	-0.0336	-0.0058	0.0171	-0.0229	-0.0261	0.0265

0.0071 0.0360 -0.0152 -0.0266 0.0008 0.0322 0.0316

Columns 7,396 through 7,410

0.0154 0.0410 0.0363 0.0041 -0.0187 -0.0037 -0.0519 -0.0111
 0.0144 -0.0034 -0.0092 -0.0148 0.0240 0.0104 -0.0006
 -0.0069 -0.0126 -0.0251 0.0432 -0.0011 0.0303 -0.0076 0.0015
 -0.0074 -0.0526 -0.0219 -0.0125 -0.0139 0.0101 0.0013
 -0.0290 -0.0554 -0.0494 0.0290 0.0106 0.0428 0.0259 0.0219
 -0.0228 -0.0506 -0.0142 -0.0015 -0.0385 -0.0049 -0.0059

Columns 7,411 through 7,425

0.0123 -0.0358 -0.0033 0.0258 -0.0039 -0.0041 0.0072 -0.0318
 -0.0346 -0.0137 -0.0055 0.0257 -0.0069 0.0346 -0.0073
 -0.0001 -0.0240 0.0204 0.0040 0.0050 0.0034 0.0019 0.0115
 0.0098 -0.0100 -0.0213 0.0020 0.0324 0.0092 0.0058
 -0.0023 0.0117 0.0283 -0.0161 0.0072 0.0039 -0.0010 0.0402
 0.0496 -0.0071 -0.0154 -0.0226 0.0531 -0.0079 0.0109

Columns 7,426 through 7,440

-0.0123 -0.0074 -0.0155 -0.0014 -0.0563 -0.0352 -0.0384 -0.0056
 0.0076 -0.0103 -0.0241 -0.0225 0.0098 -0.0060 0.0101
 0.0061 0.0569 -0.0203 -0.0041 -0.0212 -0.0358 0.0092 0.0208
 0.0025 -0.0073 -0.0221 -0.0101 -0.0138 -0.0141 -0.0246
 0.0117 0.0538 -0.0105 -0.0027 0.0227 -0.0053 0.0531 0.0407
 0.0048 -0.0033 -0.0180 0.0084 -0.0200 -0.0076 -0.0408

Columns 7,441 through 7,455

-0.0262 0.0144 0.0407 0.0119 -0.0113 0.0090 0.0010 -0.0219
 0.0153 0.0354 -0.0290 -0.0056 -0.0344 0.0200 -0.0029
 0.0085 0.0039 0.0205 -0.0079 -0.0658 -0.0074 0.0019 0.0140
 -0.0230 0.0096 0.0034 -0.0003 -0.0213 0.0364 -0.0295
 0.0291 -0.0060 -0.0063 -0.0135 -0.0764 -0.0248 -0.0099 0.0269
 -0.0244 -0.0222 0.0327 0.0042 -0.0058 0.0135 -0.0327

Columns 7,456 through 7,470

-0.0249 0.0147 -0.0020 -0.0361 0.0169 0.0475 0.0411 0.0021
 -0.0191 0.0160 -0.0083 0.0216 0.0069 -0.0056 -0.0121
 0.0024 0.0010 -0.0334 0.0056 0.0320 -0.0000 -0.0056 -0.0292
 0.0153 0.0303 -0.0381 -0.0401 0.0015 -0.0008 0.0244
 0.0257 -0.0217 -0.0247 0.0384 0.0177 -0.0417 -0.0463 -0.0309
 0.0435 0.0235 -0.0425 -0.0745 0.0081 0.0020 0.0381

Columns 7,471 through 7,485

0.0166 -0.0322 0.0044 0.0300 0.0150 -0.0224 -0.0174 0.0434
 -0.0490 -0.0232 -0.0137 -0.0015 0.0091 0.0142 0.0147
 0.0137 -0.0041 -0.0158 -0.0027 0.0217 -0.0089 -0.0029 0.0121
 0.0137 0.0198 -0.0497 0.0201 -0.0081 -0.0173 -0.0180
 -0.0006 0.0256 -0.0188 -0.0366 0.0175 0.0192 0.0068 -0.0246
 0.0496 0.0313 -0.0480 0.0195 -0.0122 -0.0222 -0.0384

Columns 7,486 through 7,500

Assignment 1

Sai Rohith Tanuku

-0.0315	0.0037	-0.0138	-0.0240	-0.0065	-0.0081	0.0137	-0.0129
-0.0388	-0.0085	-0.0250	-0.0089	0.0182	0.0164	0.0163	
-0.0177	0.0081	0.0020	-0.0388	-0.0112	-0.0378	0.0276	-0.0154
0.0088	0.0299	-0.0314	-0.0299	-0.0132	0.0128	-0.0004	
0.0057	0.0061	0.0223	-0.0262	-0.0088	-0.0289	0.0094	-0.0048
0.0424	0.0547	-0.0246	-0.0200	-0.0135	-0.0070	-0.0146	

Columns 7,501 through 7,515

-0.0024	-0.0069	-0.0351	-0.0059	-0.0202	-0.0176	-0.0219	0.0579
-0.0100	0.0578	-0.0163	0.0011	-0.0331	-0.0144	0.0151	
0.0013	-0.0257	-0.0740	-0.0063	0.0238	-0.0010	0.0405	0.0261
-0.0449	0.0550	0.0299	-0.0418	-0.0078	0.0026	-0.0093	
-0.0166	-0.0351	-0.0536	0.0153	0.0518	0.0113	0.0650	-0.0128
-0.0436	0.0020	0.0542	-0.0552	0.0130	0.0204	-0.0183	

Columns 7,516 through 7,530

0.0030	0.0170	-0.0000	-0.0211	0.0077	0.0040	0.0192	0.0165
0.0147	-0.0101	0.0049	0.0102	0.0085	-0.0015	-0.0277	
-0.0510	-0.0084	0.0013	-0.0296	-0.0151	0.0139	0.0501	0.0190
0.0231	-0.0245	-0.0400	-0.0233	0.0229	0.0061	-0.0149	
-0.0683	-0.0146	-0.0029	-0.0269	-0.0205	0.0229	0.0282	0.0166
0.0159	-0.0280	-0.0534	-0.0339	0.0264	0.0127	-0.0013	

Columns 7,531 through 7,545

0.0174	-0.0113	0.0003	0.0027	-0.0005	-0.0238	0.0573	-0.0440
-0.0130	0.0182	-0.0456	-0.0043	-0.0253	-0.0564	0.0071	
0.0312	0.0440	0.0282	-0.0126	-0.0040	0.0093	0.0123	0.0095
0.0252	0.0063	-0.0360	-0.0299	-0.0232	0.0236	-0.0077	
0.0276	0.0572	0.0365	-0.0212	-0.0137	0.0234	-0.0341	0.0332
0.0385	-0.0177	0.0051	-0.0313	-0.0007	0.0825	-0.0220	

Columns 7,546 through 7,560

-0.0125	0.0457	0.0107	0.0249	-0.0239	-0.0052	-0.0124	0.0080
-0.0155	-0.0534	-0.0015	0.0316	0.0037	0.0028	-0.0060	
0.0291	-0.0173	-0.0110	0.0089	0.0215	0.0054	-0.0051	-0.0071
-0.0087	-0.0067	0.0103	0.0338	0.0261	0.0130	-0.0404	
0.0321	-0.0780	-0.0324	-0.0026	0.0409	-0.0053	-0.0016	-0.0120
0.0056	0.0474	0.0082	0.0155	0.0153	0.0022	-0.0529	

Columns 7,561 through 7,575

-0.0444	-0.0037	0.0033	0.0117	-0.0006	-0.0351	0.0268	-0.0126
0.0187	0.0154	-0.0456	0.0072	-0.0581	-0.0101	0.0397	
0.0188	-0.0008	-0.0089	-0.0096	-0.0146	-0.0197	0.0314	0.0011
0.0115	0.0290	0.0146	0.0210	-0.0028	0.0409	0.0028	
0.0617	-0.0004	-0.0068	-0.0269	-0.0256	-0.0044	0.0332	0.0175
0.0133	0.0177	0.0456	0.0238	0.0511	0.0632	-0.0265	

Columns 7,576 through 7,590

0.0295	0.0229	0.0057	0.0183	-0.0161	-0.0422	-0.0166	-0.0001
0.0082	-0.0190	-0.0090	-0.0021	-0.0190	0.0223	-0.0185	
0.0006	0.0047	0.0181	0.0163	0.0098	-0.0143	-0.0081	-0.0386

Assignment 1

Sai Rohith Tanuku

0.0200	0.0042	-0.0248	-0.0437	0.0432	0.0004	0.0116	
-0.0222	-0.0147	0.0104	0.0164	0.0246	0.0157	-0.0041	-0.0370
0.0036	0.0071	-0.0192	-0.0352	0.0718	-0.0227	0.0228	

Columns 7,591 through 7,605

0.0232	-0.0402	-0.0511	-0.0273	0.0194	-0.0077	0.0054	0.0309
0.0181	0.0518	0.0092	-0.0166	-0.0189	0.0379	-0.0425	
0.0070	-0.0065	0.0259	0.0019	-0.0409	0.0090	-0.0096	0.0076
0.0039	0.0191	-0.0152	-0.0061	-0.0330	0.0102	-0.0173	
-0.0211	0.0189	0.0792	0.0214	-0.0667	0.0120	-0.0178	-0.0196
-0.0147	-0.0204	-0.0282	0.0160	-0.0254	-0.0398	0.0061	

Columns 7,606 through 7,620

-0.0235	0.0240	0.0118	-0.0038	0.0300	0.0110	0.0370	0.0005
0.0059	0.0092	0.0382	0.0138	0.0307	-0.0355	0.0518	
0.0038	0.0204	-0.0260	-0.0194	-0.0008	0.0033	-0.0015	-0.0045
0.0179	0.0026	0.0257	0.0208	0.0328	-0.0426	0.0151	
0.0219	-0.0042	-0.0404	-0.0121	-0.0280	-0.0184	-0.0224	0.0058
0.0190	-0.0104	0.0020	0.0138	0.0137	-0.0146	-0.0246	

Columns 7,621 through 7,635

0.0107	0.0202	-0.0364	-0.0214	0.0009	0.0025	-0.0189	0.0040
0.0704	0.0349	0.0089	-0.0331	0.0015	0.0072	0.0018	
0.0055	-0.0416	-0.0082	0.0144	-0.0469	-0.0052	-0.0213	0.0233
-0.0075	-0.0282	0.0248	0.0004	0.0381	0.0039	0.0262	
-0.0072	-0.0690	0.0180	0.0285	-0.0639	-0.0138	-0.0120	0.0282
-0.0626	-0.0684	0.0145	0.0242	0.0470	-0.0171	0.0381	

Columns 7,636 through 7,650

0.0204	0.0047	-0.0073	0.0047	0.0088	0.0322	-0.0009	0.0089
-0.0041	-0.0254	0.0114	0.0182	-0.0212	0.0197	-0.0173	
0.0089	-0.0458	-0.0056	0.0001	0.0155	-0.0061	0.0012	0.0290
-0.0371	-0.0040	0.0148	-0.0260	0.0132	0.0081	-0.0635	
-0.0051	-0.0697	-0.0038	-0.0086	0.0120	-0.0258	0.0014	0.0143
-0.0590	0.0153	0.0145	-0.0515	0.0403	-0.0078	-0.0616	

Columns 7,651 through 7,665

0.0202	-0.0311	-0.0347	0.0068	0.0150	-0.0292	-0.0024	0.0034
-0.0353	-0.0399	-0.0033	-0.0208	0.0165	-0.0033	0.0018	
0.0424	0.0363	0.0293	0.0237	-0.0064	-0.0336	-0.0048	0.0120
0.0358	-0.0357	0.0380	-0.0299	0.0325	0.0031	-0.0214	
0.0198	0.0758	0.0688	0.0234	-0.0209	-0.0137	0.0023	0.0104
0.0684	-0.0112	0.0415	-0.0176	0.0321	0.0110	-0.0051	

Columns 7,666 through 7,680

-0.0223	0.0147	-0.0082	-0.0194	0.0224	0.0162	0.0016	0.0131
-0.0064	0.0295	-0.0301	-0.0001	-0.0415	-0.0038	0.0052	
0.0516	-0.0273	-0.0202	-0.0149	-0.0116	0.0183	-0.0049	0.0495
0.0277	0.0344	-0.0270	0.0248	-0.0143	-0.0112	0.0107	
0.0750	-0.0449	-0.0178	-0.0013	-0.0379	0.0161	-0.0181	0.0436
0.0330	0.0199	-0.0105	0.0280	0.0170	-0.0127	0.0052	

Columns 7,681 through 7,695

-0.0095	-0.0077	-0.0226	0.0251	-0.0257	0.0235	-0.0193	0.0230
-0.0004	-0.0230	-0.0020	0.0257	0.0231	-0.0155	-0.0223	
-0.0292	-0.0450	-0.0082	-0.0138	0.0027	-0.0088	0.0239	-0.0110
0.0120	0.0180	0.0091	-0.0075	0.0128	-0.0167	-0.0233	
-0.0246	-0.0336	0.0145	-0.0357	0.0138	-0.0359	0.0380	-0.0343
0.0118	0.0491	0.0123	-0.0211	0.0013	-0.0154	-0.0127	

Columns 7,696 through 7,710

0.0068	-0.0070	0.0022	0.0018	-0.0015	0.0047	-0.0030	-0.0001
0.0037	0.0495	-0.0176	0.0345	-0.0270	0.0060	-0.0212	
-0.0143	-0.0080	-0.0184	-0.0151	-0.0208	-0.0145	-0.0101	0.0368
-0.0147	0.0386	-0.0330	0.0505	-0.0155	-0.0489	0.0143	
-0.0294	0.0007	-0.0327	-0.0145	-0.0154	-0.0207	-0.0113	0.0534
-0.0212	-0.0039	-0.0209	0.0282	-0.0076	-0.0600	0.0356	

Columns 7,711 through 7,725

0.0101	0.0445	-0.0097	0.0088	0.0079	0.0090	0.0086	-0.0083
0.0281	-0.0664	-0.0008	-0.0053	-0.0040	-0.0181	-0.0026	
-0.0650	0.0379	0.0433	0.0188	0.0164	0.0126	-0.0224	0.0113
-0.0052	-0.0025	-0.0259	0.0073	0.0020	-0.0170	-0.0104	
-0.0950	0.0243	0.0508	0.0322	0.0150	0.0025	-0.0458	0.0143
-0.0309	0.0436	-0.0308	0.0184	0.0138	-0.0002	-0.0199	

Columns 7,726 through 7,740

-0.0481	-0.0044	-0.0027	0.0127	-0.0185	-0.0239	0.0041	0.0378
0.0117	0.0446	0.0270	-0.0057	0.0213	-0.0361	-0.0229	
-0.0432	-0.0327	-0.0279	0.0016	0.0216	0.0014	0.0263	0.0174
-0.0160	-0.0181	-0.0012	-0.0045	0.0281	-0.0236	0.0218	
-0.0084	-0.0278	-0.0236	0.0068	0.0446	0.0256	0.0232	-0.0229
-0.0340	-0.0533	-0.0300	0.0038	0.0101	0.0037	0.0344	

Columns 7,741 through 7,755

0.0078	-0.0210	-0.0130	0.0027	0.0275	-0.0494	0.0069	-0.0507
-0.0307	-0.0062	-0.0116	0.0244	-0.0287	-0.0286	-0.0157	
-0.0003	-0.0124	-0.0085	-0.0126	0.0098	-0.0155	-0.0179	-0.0126
-0.0221	0.0063	0.0027	-0.0330	-0.0146	-0.0064	-0.0605	
-0.0136	-0.0132	0.0104	-0.0074	-0.0044	0.0179	-0.0131	0.0233
0.0022	0.0103	-0.0027	-0.0521	0.0141	0.0214	-0.0597	

Columns 7,756 through 7,770

0.0162	-0.0069	0.0294	0.0216	0.0047	-0.0006	0.0131	-0.0084
0.0184	-0.0005	-0.0145	0.0014	-0.0108	0.0112	-0.0046	
-0.0476	-0.0384	0.0327	0.0466	-0.0142	-0.0073	0.0155	0.0297
0.0188	0.0740	0.0179	-0.0106	0.0423	-0.0345	-0.0035	
-0.0588	-0.0357	0.0179	0.0388	-0.0202	-0.0048	0.0143	0.0514
0.0015	0.0979	0.0408	0.0010	0.0485	-0.0601	0.0120	

Columns 7,771 through 7,785

0.0049	0.0156	-0.0211	-0.0201	-0.0312	-0.0082	0.0475	0.0236
0.0448	0.0083	-0.0133	-0.0170	0.0305	0.0251	0.0438	

Assignment 1

Sai Rohith Tanuku

0.0245	0.0107	-0.0069	-0.0060	-0.0161	-0.0301	-0.0185	0.0074
0.0014	-0.0525	-0.0148	-0.0030	-0.0081	0.0162	0.0201	
0.0258	0.0023	0.0061	0.0080	0.0261	-0.0260	-0.0505	-0.0240
-0.0239	-0.0782	-0.0258	0.0161	-0.0203	0.0013	-0.0126	

Columns 7,786 through 7,800

-0.0109	-0.0002	0.0099	-0.0122	0.0259	-0.0160	-0.0382	-0.0122
-0.0046	0.0050	0.0052	-0.0489	0.0212	0.0131	-0.0162	
0.0080	-0.0104	-0.0042	-0.0211	0.0196	0.0065	0.0379	-0.0159
0.0059	0.0117	0.0307	-0.0120	0.0060	-0.0119	-0.0060	
0.0166	-0.0082	-0.0113	-0.0213	0.0098	0.0187	0.0808	-0.0072
0.0290	0.0220	0.0327	0.0330	-0.0281	-0.0219	0.0216	

Columns 7,801 through 7,815

0.0037	-0.0254	0.0290	-0.0417	-0.0020	0.0184	0.0081	0.0136
-0.0095	0.0436	-0.0126	0.0390	0.0517	-0.0051	-0.0239	
0.0353	0.0028	0.0317	-0.0124	0.0038	0.0314	0.0255	-0.0345
-0.0192	-0.0116	0.0353	0.0134	0.0356	-0.0224	0.0120	
0.0303	0.0136	0.0230	0.0168	0.0218	0.0207	0.0199	-0.0470
-0.0056	-0.0594	0.0532	-0.0202	-0.0069	-0.0280	0.0383	

Columns 7,816 through 7,830

-0.0350	-0.0084	0.0110	-0.0122	0.0052	0.0402	-0.0098	0.0318
0.0342	0.0567	0.0134	-0.0386	0.0290	-0.0476	0.0143	
-0.0139	-0.0187	-0.0114	0.0074	-0.0212	-0.0217	-0.0026	0.0200
-0.0122	0.0340	0.0009	-0.0169	-0.0180	-0.0272	-0.0103	
0.0198	0.0090	-0.0401	0.0261	-0.0321	-0.0724	0.0203	-0.0023
-0.0376	-0.0006	-0.0057	0.0097	-0.0472	0.0102	-0.0213	

Columns 7,831 through 7,845

0.0033	-0.0045	-0.0245	0.0334	-0.0428	-0.0040	0.0168	0.0406
0.0248	0.0044	-0.0389	0.0493	-0.0749	0.0589	-0.0044	
-0.0195	-0.0087	-0.0051	-0.0145	-0.0408	-0.0566	-0.0002	-0.0092
0.0142	-0.0155	0.0170	0.0266	0.0155	0.0080	0.0010	
-0.0238	0.0013	0.0272	-0.0316	-0.0035	-0.0458	-0.0282	-0.0393
-0.0009	-0.0275	0.0559	-0.0037	0.0760	-0.0477	-0.0046	

Columns 7,846 through 7,860

-0.0010	0.0032	-0.0033	0.0283	0.0056	0.0218	0.0093	-0.0402
-0.0172	0.0360	-0.0296	0.0001	0.0005	-0.0231	-0.0114	
-0.0163	-0.0099	-0.0295	-0.0174	0.0496	-0.0391	0.0024	-0.0083
0.0156	0.0105	-0.0043	0.0092	-0.0050	-0.0086	0.0207	
-0.0241	-0.0045	-0.0209	-0.0354	0.0580	-0.0738	-0.0148	0.0223
0.0344	-0.0104	0.0264	0.0055	-0.0042	0.0010	0.0242	

Columns 7,861 through 7,875

-0.0461	-0.0124	-0.0151	0.0279	0.0353	-0.0172	-0.0205	-0.0150
-0.0210	-0.0320	0.0321	-0.0048	-0.0107	0.0113	-0.0092	
0.0131	-0.0230	-0.0179	0.0508	-0.0297	-0.0030	0.0220	-0.0037
-0.0044	0.0078	0.0632	0.0258	-0.0100	0.0024	-0.0237	
0.0599	-0.0217	-0.0152	0.0450	-0.0586	0.0048	0.0332	0.0074
0.0081	0.0280	0.0476	0.0371	0.0022	-0.0065	-0.0242	

Columns 7,876 through 7,890

0.0098	-0.0063	-0.0021	-0.0280	-0.0237	0.0128	0.0088	0.0664
0.0003	0.0082	-0.0058	0.0314	-0.0075	0.0064	-0.0020	
-0.0064	-0.0478	-0.0293	0.0220	-0.0046	-0.0203	0.0045	0.0167
0.0259	-0.0036	-0.0202	-0.0170	-0.0167	-0.0023	0.0233	
-0.0228	-0.0400	-0.0362	0.0607	0.0048	-0.0264	-0.0101	-0.0371
0.0305	-0.0194	-0.0155	-0.0474	-0.0009	-0.0157	0.0315	

Columns 7,891 through 7,905

0.0120	0.0088	-0.0148	0.0178	-0.0154	-0.0313	0.0286	-0.0167
-0.0215	-0.0252	-0.0017	-0.0492	0.0006	0.0299	-0.0203	
-0.0121	0.0009	-0.0015	-0.0254	-0.0344	-0.0145	0.0262	-0.0245
-0.0246	-0.0245	0.0272	0.0104	-0.0222	0.0287	0.0029	
-0.0275	-0.0006	0.0229	-0.0240	-0.0279	0.0108	0.0173	-0.0153
-0.0031	-0.0015	0.0400	0.0645	-0.0478	0.0117	0.0088	

Columns 7,906 through 7,920

0.0105	-0.0066	0.0327	0.0130	-0.0346	0.0264	0.0138	0.0580
0.0115	-0.0148	-0.0325	-0.0288	0.0056	0.0111	0.0239	
-0.0113	-0.0315	-0.0245	0.0328	-0.0078	-0.0222	-0.0015	0.0160
-0.0029	-0.0099	-0.0232	0.0189	0.0006	-0.0203	-0.0447	
-0.0205	-0.0216	-0.0523	0.0344	0.0095	-0.0426	-0.0084	-0.0248
-0.0197	-0.0037	0.0028	0.0442	0.0058	-0.0325	-0.0736	

Columns 7,921 through 7,935

-0.0164	-0.0150	0.0106	0.0142	-0.0088	0.0058	0.0206	0.0023
0.0147	-0.0135	-0.0019	-0.0272	-0.0634	-0.0031	0.0082	
-0.0263	0.0484	-0.0128	0.0393	-0.0179	0.0111	-0.0051	-0.0178
0.0104	0.0177	0.0169	-0.0258	-0.0086	-0.0247	0.0189	
-0.0103	0.0561	-0.0241	0.0343	-0.0165	-0.0044	-0.0188	-0.0236
-0.0010	0.0457	0.0216	-0.0141	0.0348	-0.0322	0.0130	

Columns 7,936 through 7,950

0.0181	-0.0196	0.0098	0.0167	0.0055	0.0294	0.0490	-0.0350
-0.0500	-0.0159	0.0296	0.0074	-0.0378	-0.0137	-0.0055	
0.0050	-0.0041	-0.0214	-0.0319	0.0065	0.0041	-0.0341	0.0092
0.0096	-0.0119	-0.0104	-0.0216	0.0071	-0.0150	0.0009	
-0.0216	0.0054	-0.0312	-0.0471	0.0197	-0.0238	-0.0861	0.0430
0.0365	0.0017	-0.0476	-0.0297	0.0532	0.0015	-0.0136	

Columns 7,951 through 7,965

-0.0023	-0.0216	0.0008	0.0043	-0.0461	-0.0295	-0.0152	-0.0211
0.0346	0.0175	0.0192	0.0132	-0.0168	0.0268	-0.0219	
0.0020	-0.0242	-0.0111	0.0175	-0.0495	-0.0027	0.0061	0.0107
0.0423	0.0026	0.0225	0.0172	-0.0213	0.0483	-0.0320	
-0.0093	-0.0315	-0.0172	-0.0024	-0.0091	0.0170	0.0138	0.0416
0.0233	0.0035	0.0246	-0.0064	-0.0077	0.0443	-0.0063	

Columns 7,966 through 7,980

-0.0341	0.0114	-0.0372	-0.0062	-0.0028	-0.0128	-0.0055	0.0401
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Assignment 1

Sai Rohith Tanuku

-0.0066	-0.0242	-0.0273	0.0297	-0.0011	-0.0324	-0.0272	
-0.0247	0.0287	0.0028	0.0171	0.0206	-0.0134	-0.0435	-0.0318
0.0191	-0.0453	0.0011	-0.0281	-0.0027	-0.0106	-0.0090	
-0.0106	0.0171	0.0317	0.0405	0.0388	0.0043	-0.0512	-0.0614
0.0325	-0.0275	0.0215	-0.0492	-0.0145	0.0057	0.0058	

Columns 7,981 through 7,995

-0.0202	0.0226	-0.0371	-0.0080	-0.0272	0.0554	0.0204	-0.0289
-0.0131	0.0344	0.0044	0.0537	0.0108	-0.0029	-0.0022	
-0.0106	0.0304	-0.0033	-0.0250	-0.0231	0.0141	-0.0056	0.0239
-0.0161	0.0110	0.0042	0.0131	0.0197	-0.0327	0.0175	
0.0066	0.0128	0.0135	-0.0171	-0.0085	-0.0356	-0.0239	0.0550
0.0064	-0.0229	-0.0107	-0.0345	0.0236	-0.0351	0.0034	

Columns 7,996 through 8,010

0.0130	0.0427	0.0325	0.0184	-0.0166	-0.0123	-0.0323	-0.0070
0.0105	-0.0061	0.0165	0.0272	0.0121	0.0054	0.0281	
-0.0077	-0.0003	-0.0232	-0.0395	-0.0257	0.0045	-0.0165	0.0074
0.0241	-0.0261	0.0044	0.0107	0.0026	0.0048	-0.0121	
-0.0256	-0.0177	-0.0589	-0.0682	-0.0160	0.0090	0.0059	0.0180
0.0215	-0.0326	-0.0231	-0.0021	-0.0009	-0.0024	-0.0488	

Columns 8,011 through 8,025

0.0153	0.0249	-0.0006	-0.0112	0.0259	0.0149	0.0357	0.0511
-0.0275	0.0160	0.0440	-0.0115	-0.0235	0.0264	0.0177	
-0.0134	0.0372	0.0071	-0.0123	0.0067	-0.0360	0.0405	-0.0140
0.0024	-0.0026	0.0172	-0.0244	-0.0286	-0.0029	0.0149	
-0.0305	0.0151	0.0139	-0.0139	-0.0044	-0.0571	0.0200	-0.0597
0.0299	-0.0222	-0.0329	-0.0321	-0.0171	-0.0206	0.0093	

Columns 8,026 through 8,040

-0.0024	-0.0074	-0.0179	0.0394	-0.0389	-0.0208	-0.0097	0.0189
0.0251	0.0069	0.0066	0.0025	-0.0156	-0.0072	-0.0192	
-0.0044	-0.0355	0.0258	-0.0006	0.0372	0.0082	-0.0038	0.0021
0.0051	0.0082	0.0510	-0.0310	-0.0173	-0.0017	0.0075	
-0.0025	-0.0338	0.0486	-0.0309	0.0623	0.0376	0.0071	-0.0165
-0.0194	-0.0015	0.0424	-0.0251	0.0016	0.0177	0.0280	

Columns 8,041 through 8,055

-0.0130	0.0091	-0.0085	-0.0210	0.0165	-0.0025	-0.0123	0.0419
0.0082	-0.0051	-0.0169	-0.0165	0.0036	-0.0194	-0.0058	
-0.0216	0.0175	-0.0335	0.0114	0.0016	0.0177	-0.0382	-0.0060
-0.0008	-0.0190	0.0085	-0.0169	-0.0051	0.0055	-0.0193	
-0.0225	0.0145	-0.0304	0.0205	-0.0186	0.0313	-0.0393	-0.0418
-0.0131	-0.0175	0.0174	-0.0044	0.0021	0.0210	-0.0148	

Columns 8,056 through 8,070

-0.0042	-0.0317	-0.0032	0.0066	0.0238	-0.0231	0.0133	-0.0088
0.0238	0.0103	-0.0010	-0.0127	0.0311	0.0073	-0.0202	
0.0071	-0.0410	-0.0170	0.0462	-0.0168	-0.0163	0.0034	0.0158
0.0571	0.0432	-0.0193	-0.0010	0.0316	-0.0050	-0.0500	

Assignment 1

Sai Rohith Tanuku

-0.0012	-0.0196	-0.0160	0.0446	-0.0402	-0.0001	-0.0120	0.0332
0.0312	0.0479	-0.0274	-0.0029	0.0034	-0.0163	-0.0307	

Columns 8,071 through 8,085

-0.0455	0.0020	0.0267	0.0120	0.0019	0.0062	-0.0420	0.0132
-0.0358	-0.0020	-0.0060	-0.0340	0.0315	0.0303	0.0161	
-0.0052	-0.0103	0.0012	0.0004	0.0316	-0.0282	0.0229	-0.0115
0.0207	0.0074	0.0196	-0.0259	0.0247	0.0082	-0.0467	
0.0413	0.0037	-0.0362	-0.0090	0.0400	-0.0421	0.0645	-0.0128
0.0466	0.0132	0.0211	0.0111	0.0004	-0.0018	-0.0783	

Columns 8,086 through 8,100

-0.0032	-0.0110	-0.0136	-0.0253	0.0130	-0.0287	0.0425	-0.0126
0.0648	-0.0326	-0.0041	-0.0097	-0.0263	-0.0417	0.0134	
0.0279	0.0060	-0.0060	0.0007	-0.0227	-0.0274	-0.0375	-0.0364
0.0163	-0.0027	-0.0013	0.0173	-0.0218	-0.0094	0.0179	
0.0335	0.0147	0.0048	0.0222	-0.0487	0.0014	-0.0747	-0.0255
-0.0227	0.0136	0.0037	0.0416	-0.0082	0.0166	0.0059	

Columns 8,101 through 8,115

0.0257	0.0327	-0.0540	-0.0178	-0.0297	-0.0124	0.0053	-0.0040
-0.0040	0.0032	0.0101	-0.0407	0.0165	-0.0082	0.0042	
-0.0214	-0.0334	-0.0021	-0.0079	-0.0591	0.0032	-0.0024	0.0130
-0.0019	0.0107	0.0012	0.0483	-0.0077	0.0005	0.0456	
-0.0535	-0.0739	0.0388	0.0149	-0.0437	0.0138	-0.0222	0.0158
-0.0072	0.0199	-0.0102	0.0981	-0.0328	0.0163	0.0589	

Columns 8,116 through 8,130

-0.0141	-0.0651	0.0093	-0.0082	-0.0231	-0.0358	0.0485	-0.0325
-0.0109	-0.0163	-0.0127	0.0186	0.0235	0.0246	-0.0033	
0.0036	0.0312	0.0200	0.0005	0.0491	-0.0049	0.0126	-0.0262
0.0327	0.0422	-0.0034	-0.0199	-0.0285	-0.0173	-0.0143	
-0.0021	0.0930	0.0112	-0.0021	0.0931	0.0292	-0.0174	-0.0037
0.0413	0.0531	-0.0147	-0.0465	-0.0561	-0.0410	-0.0266	

Columns 8,131 through 8,145

0.0248	-0.0137	-0.0016	-0.0044	0.0285	-0.0088	0.0464	0.0149
-0.0003	-0.0540	0.0180	-0.0136	-0.0260	0.0177	0.0180	
-0.0250	-0.0247	-0.0272	0.0092	-0.0373	0.0159	0.0043	-0.0195
-0.0074	-0.0253	-0.0032	0.0211	0.0165	-0.0121	0.0140	
-0.0488	-0.0044	-0.0222	0.0137	-0.0619	0.0306	-0.0464	-0.0324
0.0046	0.0150	-0.0116	0.0386	0.0618	-0.0247	-0.0001	

Columns 8,146 through 8,160

-0.0527	0.0158	-0.0292	-0.0123	-0.0181	-0.0128	-0.0198	0.0577
0.0070	0.0269	0.0140	0.0123	0.0217	0.0206	0.0073	
0.0138	-0.0168	0.0181	-0.0269	-0.0423	0.0019	0.0119	0.0262
-0.0117	0.0317	-0.0063	-0.0073	0.0347	0.0011	0.0277	
0.0605	-0.0144	0.0411	-0.0207	-0.0272	0.0152	0.0207	-0.0301
-0.0224	0.0225	-0.0240	-0.0230	0.0244	-0.0232	0.0286	

Columns 8,161 through 8,175

0.0162	0.0021	0.0280	-0.0180	0.0416	0.0028	0.0029	-0.0029
0.0048	-0.0210	-0.0245	-0.0035	-0.0002	-0.0122	-0.0026	
0.0101	-0.0263	0.0062	-0.0034	-0.0204	0.0230	0.0027	-0.0007
-0.0059	-0.0273	0.0330	-0.0312	-0.0280	0.0097	-0.0208	
-0.0058	-0.0417	-0.0267	0.0143	-0.0577	0.0390	0.0026	0.0121
-0.0191	-0.0165	0.0519	-0.0267	-0.0247	0.0103	-0.0235	

Columns 8,176 through 8,190

0.0188	0.0126	0.0441	-0.0349	0.0122	-0.0136	0.0025	-0.0109
-0.0159	0.0411	0.0028	-0.0007	0.0127	0.0207	0.0088	
0.0091	-0.0075	0.0273	-0.0110	0.0093	-0.0532	-0.0369	0.0063
-0.0237	0.0354	0.0151	0.0176	-0.0508	0.0242	0.0154	
0.0124	-0.0148	-0.0077	0.0105	-0.0036	-0.0552	-0.0402	0.0191
0.0066	-0.0087	0.0209	0.0094	-0.0784	0.0170	0.0122	

Columns 8,191 through 8,205

-0.0353	0.0326	-0.0538	0.0060	-0.0166	0.0111	0.0224	-0.0249
-0.0078	-0.0251	0.0036	-0.0316	-0.0037	-0.0524	0.0014	
0.0328	-0.0040	-0.0426	-0.0080	-0.0105	-0.0041	-0.0032	-0.0065
0.0506	-0.0235	-0.0147	0.0239	0.0422	-0.0407	-0.0344	
0.0778	-0.0335	-0.0036	-0.0074	0.0063	-0.0128	-0.0245	0.0068
0.0664	-0.0050	-0.0195	0.0439	0.0382	-0.0141	-0.0315	

Columns 8,206 through 8,220

0.0019	0.0383	-0.0574	-0.0198	-0.0011	-0.0104	0.0059	0.0141
0.0184	0.0465	-0.0163	-0.0172	0.0040	0.0106	-0.0186	
0.0070	-0.0100	-0.0127	-0.0074	-0.0029	-0.0328	0.0043	-0.0070
-0.0283	0.0122	-0.0098	0.0582	0.0011	0.0009	-0.0030	
0.0019	-0.0441	0.0336	0.0072	-0.0113	-0.0287	-0.0021	-0.0197
-0.0448	-0.0193	0.0179	0.0757	-0.0028	-0.0068	0.0173	

Columns 8,221 through 8,235

0.0472	0.0713	0.0208	0.0255	-0.0305	-0.0040	0.0357	0.0111
0.0054	0.0062	0.0629	-0.0026	0.0112	-0.0250	-0.0527	
0.0075	0.0384	-0.0246	-0.0095	0.0184	-0.0117	-0.0028	0.0077
-0.0065	0.0395	0.0109	0.0230	0.0124	0.0117	-0.0283	
-0.0297	-0.0192	-0.0419	-0.0289	0.0467	-0.0289	-0.0374	-0.0231
-0.0165	0.0536	-0.0410	0.0125	-0.0031	0.0352	0.0135	

Columns 8,236 through 8,250

-0.0105	-0.0129	0.0067	0.0173	0.0065	-0.0083	-0.0438	-0.0092
0.0284	0.0175	0.0235	-0.0064	-0.0019	0.0043	-0.0124	
-0.0085	0.0098	-0.0004	-0.0323	0.0103	0.0140	-0.0349	-0.0271
0.0382	-0.0132	-0.0221	-0.0008	0.0310	0.0159	-0.0482	
0.0024	0.0247	-0.0133	-0.0530	0.0086	0.0292	0.0097	-0.0217
0.0185	-0.0328	-0.0447	0.0122	0.0387	0.0189	-0.0385	

Columns 8,251 through 8,265

0.0191	0.0102	-0.0102	-0.0123	0.0105	0.0441	0.0183	0.0330
0.0027	-0.0210	0.0016	-0.0211	-0.0447	0.0091	0.0189	
0.0061	-0.0328	-0.0137	-0.0389	0.0032	0.0179	0.0222	0.0299

Assignment 1

Sai Rohith Tanuku

0.0097	-0.0178	-0.0240	-0.0514	-0.0266	-0.0093	-0.0277	
0.0042	-0.0437	-0.0048	-0.0271	-0.0175	-0.0290	0.0089	0.0066
-0.0085	0.0019	-0.0393	-0.0536	0.0313	-0.0089	-0.0478	

Columns 8,266 through 8,280

0.0134	0.0290	0.0203	0.0168	-0.0042	-0.0416	0.0031	0.0032
-0.0178	0.0178	-0.0047	0.0007	-0.0179	0.0089	0.0204	
0.0189	-0.0076	0.0138	-0.0131	0.0029	-0.0133	-0.0269	-0.0403
-0.0604	-0.0197	0.0052	-0.0016	-0.0281	-0.0068	-0.0439	
0.0233	-0.0367	-0.0016	-0.0241	0.0031	0.0110	-0.0237	-0.0443
-0.0558	-0.0439	0.0135	-0.0143	-0.0182	-0.0140	-0.0622	

Columns 8,281 through 8,295

0.0279	-0.0047	-0.0032	-0.0018	0.0295	0.0254	-0.0268	0.0112
-0.0086	-0.0024	-0.0261	0.0158	0.0064	-0.0431	-0.0083	
0.0292	-0.0174	0.0138	-0.0459	-0.0080	0.0213	-0.0306	0.0064
-0.0268	0.0103	0.0040	0.0021	0.0431	-0.0407	0.0174	
-0.0056	-0.0141	0.0232	-0.0577	-0.0355	-0.0022	-0.0098	-0.0085
-0.0211	0.0100	0.0241	-0.0090	0.0435	-0.0057	0.0323	

Columns 8,296 through 8,310

-0.0600	-0.0071	-0.0107	-0.0331	-0.0100	0.0121	0.0276	0.0033
0.0237	-0.0340	0.0252	-0.0292	-0.0082	-0.0229	0.0189	
0.0202	0.0039	0.0175	-0.0145	0.0275	-0.0431	-0.0368	-0.0069
-0.0167	0.0574	0.0712	-0.0276	0.0154	-0.0331	-0.0015	
0.0644	0.0086	0.0315	0.0079	0.0472	-0.0619	-0.0782	0.0048
-0.0338	0.1004	0.0822	-0.0133	0.0301	-0.0098	-0.0075	

Columns 8,311 through 8,325

0.0152	0.0081	-0.0176	-0.0217	0.0025	-0.0154	0.0046	0.0382
-0.0217	0.0114	0.0139	0.0021	0.0281	0.0370	-0.0296	
0.0079	0.0188	0.0281	0.0007	-0.0085	0.0290	0.0065	0.0312
0.0201	-0.0352	-0.0068	-0.0057	-0.0421	0.0282	-0.0106	
0.0066	0.0232	0.0495	0.0106	-0.0190	0.0482	0.0122	0.0110
0.0207	-0.0580	-0.0218	0.0063	-0.0806	-0.0007	0.0176	

Columns 8,326 through 8,340

0.0097	-0.0078	-0.0245	-0.0271	0.0032	-0.0077	0.0180	0.0237
0.0007	0.0337	0.0020	-0.0134	0.0202	-0.0030	0.0028	
-0.0162	-0.0155	0.0166	0.0113	0.0116	-0.0227	-0.0077	-0.0017
0.0211	0.0065	0.0086	0.0300	0.0426	0.0127	-0.0313	
-0.0076	-0.0025	0.0377	0.0366	0.0176	-0.0056	-0.0229	-0.0077
0.0145	-0.0073	-0.0019	0.0391	0.0380	0.0158	-0.0393	

Columns 8,341 through 8,355

0.0006	-0.0264	0.0458	-0.0380	-0.0234	-0.0277	-0.0173	0.0246
0.0054	0.0043	0.0309	-0.0392	0.0311	0.0024	-0.0265	
0.0489	-0.0338	-0.0028	-0.0108	0.0033	0.0065	-0.0122	-0.0206
-0.0276	-0.0129	-0.0039	-0.0098	0.0164	0.0077	-0.0107	
0.0502	-0.0145	-0.0375	0.0167	0.0148	0.0353	0.0092	-0.0458
-0.0302	-0.0224	-0.0329	0.0224	0.0093	0.0029	0.0080	

Columns 8,356 through 8,370

0.0055	0.0087	0.0006	-0.0082	0.0052	-0.0150	0.0030	0.0215
0.0434	-0.0482	0.0073	-0.0315	-0.0220	-0.0164	-0.0090	
-0.0090	0.0006	0.0431	0.0064	0.0431	-0.0108	0.0057	0.0417
0.0203	-0.0207	0.0231	-0.0044	0.0079	0.0008	0.0016	
-0.0117	-0.0020	0.0524	0.0198	0.0596	0.0011	0.0225	0.0336
-0.0152	0.0191	0.0111	0.0274	0.0391	0.0191	0.0154	

Columns 8,371 through 8,385

-0.0078	0.0062	-0.0001	0.0093	0.0248	-0.0296	0.0229	0.0099
0.0022	-0.0198	0.0081	0.0312	-0.0371	-0.0199	-0.0309	
0.0020	-0.0263	0.0023	-0.0533	0.0127	-0.0180	-0.0094	-0.0147
0.0118	-0.0156	-0.0057	0.0173	-0.0184	0.0014	-0.0364	
0.0060	-0.0300	-0.0065	-0.0661	0.0008	0.0163	-0.0509	-0.0188
0.0037	0.0028	-0.0004	-0.0022	0.0076	0.0335	-0.0306	

Columns 8,386 through 8,400

0.0001	-0.0019	-0.0057	-0.0103	0.0424	-0.0440	0.0011	0.0135
0.0158	-0.0066	-0.0206	-0.0232	0.0171	-0.0221	-0.0049	
0.0197	-0.0042	-0.0171	0.0057	0.0014	-0.0301	-0.0042	0.0023
0.0362	0.0054	-0.0029	-0.0071	0.0213	-0.0105	0.0017	
0.0220	0.0035	-0.0263	0.0338	-0.0361	-0.0003	-0.0199	-0.0143
0.0395	0.0123	0.0082	0.0051	-0.0058	0.0036	0.0154	

Columns 8,401 through 8,415

-0.0091	-0.0127	-0.0114	0.0212	-0.0013	-0.0294	0.0274	0.0058
0.0266	-0.0159	0.0136	-0.0182	0.0148	-0.0006	-0.0263	
0.0108	-0.0172	-0.0322	-0.0079	-0.0128	-0.0037	0.0080	-0.0063
0.0046	-0.0069	0.0209	0.0018	0.0214	0.0281	-0.0253	
0.0250	-0.0136	-0.0262	-0.0249	-0.0130	0.0124	-0.0221	-0.0142
-0.0221	0.0201	0.0301	0.0280	0.0139	0.0394	-0.0131	

Columns 8,416 through 8,430

-0.0120	-0.0075	-0.0090	0.0174	-0.0084	0.0096	0.0099	0.0342
0.0091	0.0062	0.0048	-0.0011	0.0080	-0.0233	0.0182	
-0.0303	-0.0013	0.0253	0.0070	0.0290	0.0197	-0.0227	-0.0248
0.0204	0.0047	-0.0122	0.0261	0.0298	0.0036	0.0147	
-0.0095	0.0037	0.0359	-0.0260	0.0538	0.0097	-0.0364	-0.0584
0.0224	0.0063	-0.0051	0.0391	0.0238	0.0253	0.0056	

Columns 8,431 through 8,445

0.0211	0.0050	0.0212	0.0031	-0.0049	0.0201	-0.0134	0.0086
-0.0105	-0.0126	-0.0138	0.0234	0.0008	-0.0182	0.0251	
-0.0007	-0.0177	0.0076	0.0236	-0.0194	0.0166	0.0180	-0.0035
0.0055	0.0004	-0.0059	0.0222	-0.0074	-0.0241	0.0012	
-0.0251	-0.0260	-0.0064	0.0269	-0.0107	-0.0061	0.0239	-0.0138
0.0237	-0.0144	-0.0077	0.0119	-0.0126	-0.0135	-0.0137	

Columns 8,446 through 8,460

0.0124	0.0126	0.0295	-0.0148	-0.0003	-0.0102	0.0103	-0.0280
0.0059	-0.0298	-0.0187	-0.0171	-0.0378	0.0262	0.0026	

Assignment 1

Sai Rohith Tanuku

-0.0070	-0.0258	0.0017	-0.0201	-0.0233	0.0376	0.0121	-0.0252
0.0175	-0.0158	0.0023	-0.0045	0.0071	0.0050	-0.0019	
-0.0349	-0.0456	-0.0255	-0.0105	-0.0192	0.0525	-0.0036	-0.0183
0.0058	-0.0036	0.0138	-0.0006	0.0459	-0.0164	-0.0062	

Columns 8,461 through 8,475

-0.0005	0.0036	-0.0212	-0.0175	0.0090	0.0008	0.0398	0.0271
-0.0036	0.0051	0.0085	0.0209	0.0084	-0.0230	-0.0124	
-0.0150	0.0312	-0.0122	0.0106	-0.0262	0.0047	0.0295	-0.0287
0.0137	-0.0250	0.0067	0.0203	0.0032	-0.0243	0.0296	
-0.0149	0.0350	0.0028	0.0395	-0.0396	0.0080	-0.0111	-0.0619
0.0164	-0.0254	-0.0059	-0.0114	-0.0044	-0.0021	0.0369	

Columns 8,476 through 8,490

0.0083	0.0010	-0.0168	0.0143	0.0570	0.0168	-0.0181	0.0050
0.0287	-0.0113	-0.0218	-0.0044	-0.0062	-0.0047	-0.0146	
-0.0298	-0.0135	0.0139	0.0357	0.0094	0.0266	0.0067	-0.0016
0.0110	-0.0157	-0.0234	-0.0243	-0.0110	-0.0254	-0.0198	
-0.0466	-0.0143	0.0357	0.0496	-0.0367	0.0314	0.0227	-0.0049
-0.0121	-0.0125	-0.0145	-0.0338	-0.0174	-0.0256	-0.0108	

Columns 8,491 through 8,505

-0.0014	-0.0140	-0.0061	0.0038	-0.0128	-0.0287	0.0181	-0.0005
-0.0218	0.0234	-0.0232	-0.0078	0.0245	0.0055	-0.0263	
0.0033	0.0061	-0.0162	-0.0137	-0.0092	-0.0461	-0.0123	-0.0027
0.0200	0.0309	0.0152	0.0200	-0.0020	0.0003	0.0142	
0.0105	0.0189	-0.0222	-0.0312	0.0071	-0.0327	-0.0305	0.0072
0.0329	0.0178	0.0433	0.0231	-0.0302	0.0066	0.0373	

Columns 8,506 through 8,520

-0.0032	-0.0157	-0.0225	-0.0146	-0.0028	0.0057	-0.0112	-0.0007
0.0045	0.0132	-0.0112	-0.0083	-0.0134	-0.0273	0.0017	
-0.0316	-0.0365	0.0161	-0.0106	-0.0289	-0.0186	-0.0153	-0.0187
-0.0042	0.0095	0.0342	-0.0100	0.0283	0.0360	-0.0015	
-0.0463	-0.0415	0.0436	0.0053	-0.0338	-0.0270	-0.0065	-0.0090
0.0021	-0.0049	0.0358	0.0003	0.0578	0.0634	-0.0044	

Columns 8,521 through 8,535

0.0045	-0.0073	-0.0384	-0.0187	-0.0660	-0.0192	-0.0122	0.0321
0.0238	-0.0021	0.0071	0.0326	0.0118	-0.0329	0.0148	
-0.0088	-0.0094	0.0045	-0.0133	-0.0271	-0.0283	-0.0190	0.0005
0.0162	0.0128	-0.0116	0.0151	0.0293	-0.0150	-0.0028	
-0.0143	-0.0159	0.0433	0.0088	0.0095	-0.0255	-0.0036	-0.0335
-0.0097	0.0156	-0.0303	-0.0165	0.0249	0.0058	-0.0138	

Columns 8,536 through 8,550

-0.0016	-0.0396	-0.0279	0.0279	0.0062	0.0431	-0.0043	0.0020
-0.0085	-0.0180	-0.0019	0.0194	0.0347	-0.0037	0.0297	
0.0077	0.0060	0.0447	-0.0139	-0.0238	-0.0235	0.0087	0.0027
-0.0057	0.0280	0.0066	0.0014	0.0349	0.0235	0.0072	
0.0026	0.0519	0.0795	-0.0294	-0.0235	-0.0687	0.0190	0.0046
0.0020	0.0552	0.0181	-0.0270	0.0023	0.0272	-0.0055	

Columns 8,551 through 8,565

0.0079	0.0396	-0.0040	-0.0348	0.0366	0.0015	0.0264	-0.0100
0.0033	-0.0367	-0.0009	0.0128	-0.0018	0.0275	-0.0071	
0.0338	0.0140	-0.0142	-0.0392	0.0579	-0.0009	0.0113	-0.0049
0.0051	0.0329	0.0047	0.0186	0.0334	-0.0149	-0.0223	
0.0148	-0.0314	-0.0290	-0.0220	0.0446	-0.0010	-0.0016	-0.0003
0.0023	0.0576	-0.0171	0.0259	0.0365	-0.0502	-0.0160	

Columns 8,566 through 8,580

0.0384	0.0281	0.0183	-0.0260	-0.0179	-0.0156	-0.0117	0.0081
0.0041	-0.0184	0.0219	0.0266	-0.0005	0.0023	-0.0054	
0.0079	-0.0113	0.0142	-0.0036	0.0089	0.0005	0.0002	0.0020
0.0248	0.0365	0.0109	0.0284	-0.0166	0.0057	-0.0151	
-0.0133	-0.0384	0.0125	0.0201	0.0189	0.0308	-0.0082	0.0022
0.0351	0.0543	-0.0028	0.0200	-0.0186	0.0043	-0.0089	

Columns 8,581 through 8,595

-0.0139	0.0323	-0.0058	-0.0029	0.0236	0.0089	0.0515	-0.0192
-0.0298	0.0212	0.0157	-0.0449	0.0025	0.0279	-0.0177	
-0.0092	0.0105	0.0003	-0.0031	0.0167	0.0037	-0.0223	-0.0331
-0.0400	-0.0077	0.0056	0.0065	-0.0179	-0.0405	-0.0029	
-0.0012	0.0029	0.0046	0.0145	-0.0075	-0.0068	-0.0702	-0.0074
-0.0198	-0.0176	-0.0043	0.0502	-0.0139	-0.0726	0.0220	

Columns 8,596 through 8,610

-0.0247	-0.0229	-0.0249	0.0539	0.0205	-0.0519	0.0090	0.0089
-0.0052	-0.0295	0.0043	-0.0471	0.0121	0.0217	-0.0044	
-0.0507	-0.0030	-0.0218	0.0154	0.0025	-0.0023	-0.0100	0.0328
-0.0019	-0.0087	-0.0242	-0.0085	-0.0263	-0.0283	-0.0336	
-0.0421	0.0219	0.0046	-0.0321	-0.0026	0.0459	-0.0095	0.0215
-0.0004	0.0176	-0.0259	0.0231	-0.0425	-0.0547	-0.0485	

Columns 8,611 through 8,625

0.0237	-0.0100	-0.0439	0.0441	0.0400	0.0134	0.0276	0.0127
-0.0103	0.0161	-0.0100	0.0209	0.0072	-0.0135	0.0078	
-0.0011	-0.0184	0.0287	0.0305	0.0303	-0.0571	-0.0114	0.0131
-0.0187	0.0311	-0.0090	-0.0243	0.0085	-0.0333	0.0363	
-0.0125	-0.0142	0.0676	0.0038	-0.0068	-0.0734	-0.0449	0.0165
-0.0206	0.0128	0.0024	-0.0532	0.0034	-0.0280	0.0320	

Columns 8,626 through 8,640

-0.0026	0.0167	0.0128	-0.0043	-0.0017	0.0094	0.0126	-0.0136
0.0420	0.0038	-0.0006	-0.0102	-0.0577	-0.0107	-0.0121	
0.0195	0.0550	0.0121	-0.0057	0.0237	0.0008	0.0137	-0.0154
-0.0177	-0.0068	0.0145	0.0081	-0.0334	-0.0022	-0.0186	
0.0211	0.0462	0.0003	-0.0113	0.0240	-0.0106	0.0153	0.0020
-0.0616	-0.0165	0.0162	0.0066	0.0041	0.0158	-0.0073	

Columns 8,641 through 8,655

0.0057	0.0406	-0.0018	0.0017	0.0379	0.0549	-0.0051	0.0043
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Assignment 1

Sai Rohith Tanuku

0.0014	0.0079	0.0109	0.0222	-0.0266	0.0331	-0.0072	
-0.0048	0.0257	0.0054	0.0224	-0.0104	0.0291	-0.0004	0.0003
0.0258	-0.0026	-0.0056	-0.0419	-0.0278	-0.0081	0.0012	
0.0100	0.0048	0.0187	0.0162	-0.0500	-0.0143	0.0146	-0.0128
0.0253	-0.0094	-0.0266	-0.0527	-0.0194	-0.0534	0.0074	

Columns 8,656 through 8,670

0.0193	-0.0303	0.0116	0.0007	0.0106	0.0235	-0.0280	0.0021
-0.0411	-0.0191	-0.0079	-0.0249	0.0146	0.0146	-0.0352	
0.0346	-0.0051	0.0105	0.0082	-0.0352	-0.0086	0.0048	-0.0238
-0.0688	0.0167	-0.0337	-0.0403	0.0152	-0.0009	-0.0249	
0.0163	0.0133	0.0094	0.0051	-0.0548	-0.0313	0.0276	-0.0450
-0.0480	0.0379	-0.0319	-0.0300	0.0073	-0.0115	0.0011	

Columns 8,671 through 8,685

0.0646	0.0019	0.0037	0.0130	-0.0244	0.0134	-0.0075	0.0121
-0.0049	0.0417	-0.0276	-0.0268	0.0246	-0.0212	-0.0329	
-0.0206	-0.0189	-0.0452	0.0044	0.0019	-0.0139	-0.0008	0.0622
0.0059	0.0003	0.0300	-0.0043	0.0101	-0.0006	-0.0061	
-0.0738	-0.0272	-0.0498	-0.0114	0.0298	-0.0149	0.0098	0.0528
0.0122	-0.0491	0.0550	0.0103	-0.0047	0.0186	0.0143	

Columns 8,686 through 8,700

0.0326	-0.0106	-0.0003	0.0121	-0.0085	-0.0530	-0.0009	0.0227
-0.0237	-0.0165	0.0089	0.0080	-0.0111	-0.0283	0.0037	
0.0290	0.0090	0.0294	-0.0008	0.0064	-0.0261	0.0127	-0.0154
-0.0207	-0.0058	0.0442	-0.0171	-0.0144	0.0111	-0.0253	
0.0036	0.0225	0.0353	-0.0116	0.0046	0.0114	0.0091	-0.0297
-0.0085	0.0152	0.0431	-0.0217	0.0073	0.0451	-0.0299	

Columns 8,701 through 8,715

-0.0262	0.0154	0.0133	0.0016	0.0322	0.0120	0.0152	0.0088
-0.0396	-0.0021	-0.0260	0.0021	-0.0406	-0.0050	-0.0091	
-0.0328	-0.0133	0.0049	0.0155	0.0119	0.0419	0.0145	0.0210
-0.0145	-0.0424	-0.0160	0.0032	0.0007	-0.0020	0.0148	
-0.0182	-0.0515	-0.0093	0.0023	-0.0160	0.0427	-0.0025	0.0003
0.0079	-0.0406	0.0070	0.0093	0.0381	0.0105	0.0279	

Columns 8,716 through 8,730

-0.0062	0.0239	0.0099	-0.0189	-0.0370	0.0067	-0.0036	-0.0082
-0.0087	-0.0186	0.0515	-0.0124	0.0069	0.0078	-0.0359	
0.0177	0.0457	-0.0371	0.0029	-0.0261	0.0159	0.0051	0.0079
0.0008	0.0068	0.0527	-0.0072	-0.0094	0.0132	-0.0437	
0.0366	0.0281	-0.0583	0.0246	-0.0079	-0.0006	0.0029	0.0076
0.0125	0.0137	0.0231	0.0121	-0.0075	0.0172	-0.0375	

Columns 8,731 through 8,745

-0.0089	0.0058	0.0262	0.0248	0.0121	-0.0155	-0.0354	0.0168
-0.0193	-0.0184	-0.0204	-0.0207	-0.0154	-0.0072	0.0264	
0.0201	-0.0053	-0.0163	0.0205	-0.0122	-0.0284	0.0211	-0.0087
0.0054	0.0140	-0.0182	-0.0184	0.0008	0.0130	0.0089	
0.0242	-0.0108	-0.0364	0.0146	-0.0207	-0.0116	0.0696	-0.0228

Assignment 1

Sai Rohith Tanuku

0.0224 0.0227 -0.0151 -0.0033 0.0103 0.0153 -0.0171

Columns 8,746 through 8,760

0.0268 -0.0349 -0.0304 -0.0103 -0.0349 0.0076 0.0092 0.0321
 0.0008 0.0079 0.0352 0.0002 -0.0179 0.0014 -0.0128
 0.0103 -0.0083 -0.0347 -0.0035 -0.0091 0.0289 0.0266 0.0304
 -0.0258 -0.0217 0.0066 -0.0099 0.0128 -0.0496 0.0033
 -0.0054 0.0196 -0.0185 0.0060 0.0176 0.0379 0.0282 0.0243
 -0.0361 -0.0233 -0.0239 -0.0156 0.0405 -0.0531 0.0068

Columns 8,761 through 8,775

-0.0028 -0.0530 0.0140 0.0260 -0.0131 -0.0239 -0.0042 0.0220
 0.0181 0.0174 -0.0199 0.0049 0.0643 0.0130 0.0231
 0.0090 -0.0104 -0.0151 0.0105 0.0043 -0.0218 -0.0149 -0.0158
 -0.0015 0.0339 -0.0477 -0.0157 0.0507 0.0174 0.0113
 0.0146 0.0339 -0.0363 -0.0169 0.0172 -0.0052 -0.0259 -0.0343
 -0.0053 0.0195 -0.0376 -0.0117 -0.0165 0.0199 -0.0086

Columns 8,776 through 8,790

0.0012 -0.0100 0.0267 0.0394 -0.0021 0.0174 0.0046 0.0197
 -0.0343 0.0239 0.0002 0.0308 -0.0065 -0.0132 -0.0010
 0.0135 -0.0448 0.0498 0.0338 -0.0273 -0.0032 0.0047 -0.0317
 -0.0293 0.0087 -0.0005 -0.0067 0.0025 0.0145 0.0253
 -0.0016 -0.0403 0.0373 0.0068 -0.0313 -0.0182 -0.0041 -0.0655
 -0.0112 0.0040 0.0018 -0.0310 -0.0007 0.0404 0.0237

Columns 8,791 through 8,805

-0.0316 -0.0271 -0.0091 -0.0004 0.0175 -0.0250 -0.0257 0.0327
 -0.0315 -0.0004 -0.0064 -0.0110 -0.0213 0.0171 0.0139
 -0.0242 0.0039 0.0053 0.0129 0.0100 -0.0069 -0.0418 0.0297
 -0.0073 0.0082 0.0234 -0.0058 0.0074 -0.0109 0.0338
 -0.0015 0.0153 0.0089 0.0133 0.0042 0.0128 -0.0308 0.0029
 0.0209 0.0089 0.0381 0.0045 0.0328 -0.0301 0.0300

Columns 8,806 through 8,820

0.0025 -0.0585 -0.0475 0.0043 0.0095 0.0457 -0.0019 0.0358
 0.0007 -0.0317 0.0018 -0.0116 -0.0236 0.0234 0.0379
 -0.0222 -0.0024 0.0205 0.0269 0.0242 0.0468 -0.0055 0.0138
 0.0014 0.0183 -0.0073 -0.0050 -0.0088 -0.0000 -0.0376
 -0.0284 0.0273 0.0673 0.0196 0.0331 0.0185 -0.0080 -0.0049
 0.0107 0.0590 -0.0080 0.0028 0.0112 -0.0191 -0.0700

Columns 8,821 through 8,835

0.0046 0.0230 -0.0363 -0.0405 0.0084 -0.0340 0.0336 -0.0160
 0.0046 0.0175 0.0025 0.0266 0.0057 -0.0135 0.0029
 -0.0009 -0.0289 -0.0026 0.0034 -0.0193 0.0060 0.0158 -0.0079
 0.0413 0.0326 -0.0095 0.0200 0.0126 0.0307 -0.0187
 -0.0016 -0.0464 0.0246 0.0323 -0.0330 0.0319 -0.0108 -0.0002
 0.0425 0.0321 -0.0208 -0.0008 0.0064 0.0410 -0.0122

Columns 8,836 through 8,850

Assignment 1

Sai Rohith Tanuku

-0.0208	0.0119	0.0287	-0.0051	0.0009	-0.0145	0.0438	0.0127
-0.0057	-0.0105	0.0394	-0.0048	-0.0076	-0.0230	-0.0209	
0.0149	0.0033	-0.0083	-0.0351	-0.0260	0.0026	0.0228	0.0160
-0.0102	-0.0267	0.0331	0.0337	0.0347	-0.0272	-0.0324	
0.0358	-0.0095	-0.0270	-0.0316	-0.0350	0.0217	-0.0064	0.0055
-0.0084	-0.0381	0.0133	0.0553	0.0527	0.0070	-0.0195	

Columns 8,851 through 8,865

0.0136	0.0056	0.0045	-0.0271	0.0109	0.0365	0.0363	-0.0057
0.0096	-0.0102	-0.0099	0.0412	-0.0090	0.0198	0.0107	
0.0082	0.0213	-0.0064	-0.0092	-0.0022	0.0013	0.0068	0.0227
-0.0217	0.0495	-0.0288	0.0330	0.0396	-0.0088	0.0127	
-0.0030	0.0157	0.0009	0.0146	-0.0060	-0.0326	-0.0135	0.0357
-0.0216	0.0683	-0.0202	0.0045	0.0649	-0.0340	0.0110	

Columns 8,866 through 8,880

-0.0105	-0.0190	-0.0333	-0.0138	0.0350	0.0194	-0.0255	-0.0069
-0.0074	0.0003	-0.0083	0.0195	-0.0379	-0.0070	0.0146	
-0.0170	0.0054	0.0022	0.0120	0.0325	-0.0017	0.0194	0.0053
0.0103	0.0009	0.0141	0.0138	0.0174	-0.0164	0.0382	
-0.0143	0.0139	0.0314	0.0331	0.0126	-0.0210	0.0400	0.0180
0.0139	0.0001	0.0261	0.0044	0.0607	-0.0173	0.0376	

Columns 8,881 through 8,895

0.0093	0.0029	-0.0070	0.0151	-0.0343	0.0121	0.0400	-0.0059
0.0325	0.0101	0.0296	0.0072	-0.0056	0.0028	-0.0119	
-0.0050	0.0150	-0.0271	0.0247	0.0016	-0.0077	0.0042	-0.0040
0.0307	0.0129	0.0138	-0.0168	0.0078	-0.0050	-0.0253	
-0.0125	0.0197	-0.0242	0.0065	0.0203	-0.0214	-0.0136	0.0055
0.0212	0.0070	-0.0156	-0.0297	0.0204	-0.0095	-0.0263	

Columns 8,896 through 8,910

0.0245	0.0544	0.0189	0.0095	0.0165	-0.0467	0.0031	-0.0462
-0.0569	0.0041	0.0108	-0.0011	0.0066	0.0096	-0.0109	
0.0213	0.0277	-0.0048	-0.0094	0.0070	-0.0393	-0.0211	-0.0215
-0.0343	0.0012	0.0092	0.0365	-0.0184	0.0429	0.0062	
0.0011	-0.0063	-0.0216	-0.0202	-0.0018	-0.0179	-0.0272	0.0047
-0.0037	0.0042	-0.0015	0.0387	-0.0269	0.0384	0.0205	

Columns 8,911 through 8,925

-0.0063	0.0295	0.0211	-0.0173	0.0171	0.0121	-0.0262	-0.0044
-0.0197	0.0039	-0.0311	0.0122	0.0170	0.0221	0.0123	
-0.0042	0.0166	0.0064	-0.0029	0.0096	-0.0281	-0.0474	0.0174
-0.0167	0.0064	0.0140	0.0238	0.0324	0.0204	0.0099	
0.0115	-0.0093	-0.0162	0.0225	-0.0004	-0.0393	-0.0167	0.0332
0.0083	-0.0040	0.0469	0.0148	0.0348	0.0032	0.0131	

Columns 8,926 through 8,940

-0.0104	-0.0133	0.0208	0.0312	0.0177	0.0111	0.0298	0.0241
0.0253	0.0249	0.0429	0.0377	-0.0193	0.0181	-0.0034	
0.0291	0.0015	0.0057	0.0346	-0.0221	0.0572	-0.0121	0.0417
0.0199	-0.0067	-0.0389	-0.0137	-0.0075	0.0043	0.0003	

Assignment 1

Sai Rohith Tanuku

0.0232	0.0109	-0.0175	0.0114	-0.0408	0.0419	-0.0293	0.0305
-0.0125	-0.0247	-0.0809	-0.0466	0.0011	-0.0189	-0.0025	

Columns 8,941 through 8,955

0.0049	-0.0067	0.0511	0.0111	-0.0300	0.0006	-0.0177	0.0136
-0.0505	-0.0174	-0.0005	-0.0277	-0.0084	0.0130	0.0116	
-0.0195	0.0084	0.0400	0.0201	-0.0030	0.0193	0.0152	-0.0011
0.0347	-0.0356	0.0059	-0.0092	-0.0505	0.0425	0.0294	
-0.0344	0.0246	-0.0074	0.0204	0.0282	0.0375	0.0287	-0.0093
0.1030	-0.0375	0.0267	0.0254	-0.0558	0.0430	0.0221	

Columns 8,956 through 8,970

0.0177	-0.0124	0.0129	0.0286	0.0062	-0.0329	0.0262	-0.0024
0.0037	0.0413	0.0084	0.0113	0.0396	0.0476	0.0021	
-0.0166	0.0130	0.0386	-0.0269	-0.0145	-0.0191	0.0420	0.0122
-0.0030	0.0224	-0.0245	-0.0141	0.0094	0.0167	0.0236	
-0.0370	0.0277	0.0370	-0.0651	-0.0154	0.0032	0.0380	0.0210
-0.0064	-0.0187	-0.0351	-0.0182	-0.0211	-0.0217	0.0388	

Columns 8,971 through 8,985

-0.0202	0.0130	0.0355	-0.0343	-0.0126	0.0083	-0.0072	0.0056
-0.0022	-0.0264	-0.0334	0.0059	-0.0310	-0.0283	0.0299	
-0.0315	-0.0111	-0.0040	-0.0087	0.0098	0.0007	-0.0237	0.0266
0.0138	-0.0272	-0.0025	0.0160	-0.0222	0.0251	-0.0012	
-0.0236	-0.0268	-0.0383	0.0130	0.0292	-0.0114	-0.0252	0.0363
0.0085	-0.0240	0.0353	0.0160	0.0033	0.0434	-0.0163	

Columns 8,986 through 9,000

-0.0447	-0.0015	-0.0336	0.0022	0.0017	-0.0211	-0.0126	0.0037
-0.0254	-0.0009	-0.0169	0.0067	0.0251	0.0004	-0.0292	
-0.0187	-0.0297	-0.0338	-0.0015	0.0151	-0.0066	-0.0030	-0.0027
0.0159	-0.0287	0.0094	0.0083	-0.0419	0.0081	-0.0070	
0.0068	-0.0421	-0.0249	-0.0021	0.0080	0.0161	0.0072	-0.0059
0.0330	-0.0158	0.0243	0.0084	-0.0793	0.0151	0.0167	

Columns 9,001 through 9,015

0.0284	0.0023	-0.0136	-0.0207	-0.0136	0.0115	-0.0277	0.0344
0.0172	-0.0545	-0.0020	-0.0175	0.0159	0.0141	-0.0483	
0.0188	0.0021	-0.0152	0.0038	0.0280	0.0171	0.0006	-0.0066
0.0265	-0.0120	0.0262	0.0210	0.0125	0.0189	-0.0245	
0.0097	-0.0106	-0.0172	0.0144	0.0348	0.0087	0.0313	-0.0333
-0.0016	0.0381	0.0331	0.0422	-0.0046	0.0159	0.0108	

Columns 9,016 through 9,030

-0.0136	0.0210	-0.0165	0.0321	-0.0123	0.0143	0.0194	0.0250
0.0012	0.0176	0.0764	0.0035	0.0069	0.0266	0.0024	
0.0004	0.0081	-0.0149	-0.0134	-0.0033	-0.0212	-0.0094	0.0402
0.0352	0.0028	0.0487	-0.0040	-0.0280	0.0107	-0.0276	
-0.0012	-0.0024	-0.0136	-0.0582	0.0148	-0.0327	-0.0297	0.0303
0.0287	-0.0113	0.0082	-0.0203	-0.0295	-0.0090	-0.0393	

Columns 9,031 through 9,045

0.0107	-0.0100	0.0031	0.0161	0.0142	0.0419	-0.0238	0.0107
-0.0200	-0.0001	-0.0141	-0.0138	0.0109	-0.0061	-0.0156	
-0.0285	-0.0212	0.0386	0.0055	-0.0314	0.0315	-0.0060	-0.0052
0.0035	0.0051	-0.0211	-0.0266	0.0022	-0.0242	-0.0203	
-0.0354	-0.0181	0.0401	-0.0068	-0.0553	0.0067	0.0019	-0.0148
0.0158	0.0160	-0.0022	-0.0140	-0.0037	-0.0229	-0.0144	

Columns 9,046 through 9,060

0.0077	0.0152	0.0099	-0.0332	-0.0052	0.0376	-0.0099	-0.0067
-0.0299	-0.0179	0.0004	0.0282	-0.0238	0.0275	-0.0245	
0.0070	-0.0022	-0.0313	0.0096	-0.0158	0.0272	0.0101	-0.0411
0.0153	-0.0028	0.0366	0.0190	-0.0187	-0.0298	-0.0203	
0.0053	-0.0225	-0.0408	0.0460	-0.0245	0.0037	0.0127	-0.0489
0.0475	0.0091	0.0465	0.0059	0.0013	-0.0458	0.0044	

Columns 9,061 through 9,075

0.0309	-0.0328	-0.0007	0.0226	-0.0019	-0.0149	-0.0058	-0.0346
0.0109	-0.0050	-0.0304	0.0160	0.0270	0.0019	0.0040	
-0.0379	0.0004	-0.0422	-0.0094	-0.0019	0.0299	-0.0175	-0.0343
-0.0377	-0.0179	-0.0081	0.0178	0.0225	0.0278	0.0150	
-0.0823	0.0304	-0.0564	-0.0131	-0.0048	0.0362	-0.0116	-0.0017
-0.0394	-0.0128	0.0032	0.0231	0.0175	0.0399	-0.0036	

Columns 9,076 through 9,090

-0.0008	-0.0074	-0.0177	-0.0233	0.0058	0.0209	0.0032	0.0121
0.0380	-0.0061	-0.0139	0.0287	0.0553	0.0081	-0.0217	
-0.0475	-0.0059	-0.0318	-0.0241	-0.0565	-0.0221	0.0282	0.0218
0.0106	0.0077	-0.0433	-0.0056	0.0057	0.0126	0.0411	
-0.0553	0.0043	-0.0312	-0.0112	-0.0667	-0.0386	0.0288	0.0177
-0.0186	0.0072	-0.0448	-0.0368	-0.0363	0.0020	0.0740	

Columns 9,091 through 9,105

-0.0210	-0.0293	0.0273	0.0106	0.0284	-0.0211	0.0206	-0.0129
0.0011	0.0394	-0.0303	0.0095	0.0189	-0.0039	0.0202	
-0.0302	0.0330	0.0086	0.0381	0.0257	-0.0056	0.0347	-0.0384
0.0153	0.0502	-0.0373	-0.0106	-0.0156	0.0017	0.0275	
-0.0217	0.0733	-0.0113	0.0397	0.0030	0.0287	0.0102	-0.0348
0.0251	0.0289	-0.0139	-0.0240	-0.0423	0.0042	0.0230	

Columns 9,106 through 9,120

-0.0151	0.0098	-0.0285	-0.0091	-0.0149	0.0269	-0.0232	0.0021
-0.0305	0.0247	0.0053	0.0580	0.0215	-0.0093	-0.0070	
-0.0200	0.0092	0.0375	0.0239	0.0323	0.0083	-0.0136	-0.0013
0.0079	0.0237	0.0228	-0.0039	-0.0173	-0.0211	-0.0128	
-0.0191	-0.0002	0.0596	0.0254	0.0446	-0.0213	0.0099	-0.0123
0.0326	0.0019	0.0250	-0.0537	-0.0300	-0.0054	-0.0075	

Columns 9,121 through 9,135

-0.0367	0.0021	0.0269	-0.0117	-0.0036	-0.0361	-0.0033	-0.0014
0.0036	0.0109	-0.0139	-0.0157	-0.0147	-0.0005	0.0295	

Assignment 1

Sai Rohith Tanuku

-0.0031	0.0431	-0.0001	0.0156	-0.0293	0.0273	0.0090	0.0436
0.0263	-0.0111	-0.0191	-0.0464	0.0018	-0.0082	-0.0071	
0.0202	0.0528	-0.0251	0.0243	-0.0301	0.0636	0.0197	0.0635
0.0362	-0.0201	-0.0047	-0.0304	0.0206	-0.0128	-0.0358	

Columns 9,136 through 9,150

-0.0184	0.0049	-0.0310	0.0177	-0.0215	-0.0378	0.0314	-0.0114
-0.0176	-0.0005	0.0140	0.0201	-0.0133	-0.0076	0.0356	
0.0129	-0.0059	0.0076	0.0231	0.0122	-0.0196	0.0229	-0.0086
-0.0270	0.0261	0.0448	-0.0231	0.0117	0.0248	-0.0394	
0.0258	-0.0164	0.0323	0.0131	0.0404	0.0165	0.0027	0.0028
-0.0070	0.0329	0.0262	-0.0500	0.0365	0.0323	-0.0712	

Columns 9,151 through 9,165

0.0319	-0.0272	0.0061	-0.0175	-0.0242	0.0025	-0.0130	-0.0206
0.0418	-0.0176	-0.0188	-0.0177	0.0030	-0.0078	0.0204	
-0.0297	-0.0116	0.0148	0.0706	0.0605	0.0072	0.0228	-0.0162
-0.0253	-0.0131	0.0012	0.0033	0.0277	0.0134	0.0264	
-0.0524	0.0091	0.0023	0.0902	0.0803	-0.0086	0.0457	-0.0001
-0.0564	-0.0065	0.0177	0.0223	0.0188	0.0323	0.0001	

Columns 9,166 through 9,180

-0.0016	0.0074	-0.0202	-0.0001	-0.0257	-0.0154	0.0069	0.0203
-0.0262	-0.0185	0.0144	0.0212	-0.0042	0.0097	0.0187	
-0.0063	0.0264	-0.0518	0.0071	0.0066	-0.0134	0.0023	0.0174
0.0112	0.0066	0.0284	-0.0034	0.0115	-0.0006	0.0165	
-0.0266	0.0292	-0.0550	-0.0019	0.0255	0.0027	-0.0100	0.0054
0.0375	0.0171	0.0188	-0.0296	0.0162	-0.0112	-0.0057	

Columns 9,181 through 9,195

0.0249	-0.0087	-0.0031	0.0136	0.0067	-0.0029	0.0108	-0.0136
0.0242	-0.0240	-0.0124	0.0014	-0.0434	0.0317	-0.0142	
0.0107	0.0125	-0.0255	0.0187	0.0061	0.0044	0.0021	-0.0144
0.0233	0.0205	0.0166	-0.0076	0.0129	0.0020	0.0009	
0.0086	0.0125	-0.0234	0.0058	0.0082	0.0054	0.0003	-0.0126
0.0161	0.0475	0.0276	-0.0237	0.0438	-0.0353	-0.0087	

Columns 9,196 through 9,210

-0.0169	-0.0461	0.0240	-0.0236	-0.0373	-0.0169	0.0006	-0.0157
-0.0304	-0.0381	-0.0295	-0.0015	-0.0362	-0.0171	-0.0167	
0.0378	-0.0345	-0.0109	0.0437	-0.0091	0.0117	0.0287	-0.0276
-0.0136	-0.0083	-0.0193	0.0129	0.0054	-0.0326	-0.0199	
0.0540	0.0009	-0.0230	0.0858	0.0222	0.0307	0.0251	-0.0266
0.0229	0.0198	-0.0129	0.0167	0.0369	-0.0193	-0.0190	

Columns 9,211 through 9,225

-0.0014	-0.0149	0.0065	0.0014	0.0216	0.0087	-0.0137	-0.0050
0.0225	0.0127	-0.0115	-0.0061	-0.0330	-0.0102	-0.0024	
-0.0026	-0.0513	-0.0319	0.0085	-0.0163	0.0207	-0.0529	0.0106
0.0158	0.0210	-0.0007	-0.0198	0.0124	0.0103	-0.0013	
0.0012	-0.0404	-0.0438	-0.0000	-0.0319	0.0278	-0.0565	0.0202
-0.0087	0.0063	0.0188	-0.0137	0.0419	0.0316	-0.0015	

Columns 9,226 through 9,240

-0.0131	0.0227	-0.0018	0.0151	-0.0026	-0.0027	-0.0001	-0.0092
0.0063	-0.0125	0.0310	-0.0028	0.0002	-0.0194	-0.0114	
0.0224	0.0582	-0.0256	-0.0141	0.0119	0.0254	0.0227	-0.0006
0.0019	0.0244	0.0173	-0.0083	0.0234	-0.0039	0.0415	
0.0330	0.0567	-0.0317	-0.0334	0.0247	0.0398	0.0183	-0.0034
0.0062	0.0411	-0.0083	-0.0106	0.0345	0.0075	0.0575	

Columns 9,241 through 9,255

-0.0081	-0.0016	0.0246	-0.0194	0.0006	-0.0138	-0.0148	0.0034
0.0041	-0.0098	-0.0065	0.0433	-0.0086	0.0216	-0.0073	
-0.0071	0.0180	0.0371	-0.0033	0.0276	0.0235	0.0465	-0.0203
-0.0185	-0.0017	-0.0416	-0.0232	-0.0277	0.0017	-0.0223	
-0.0010	0.0119	0.0256	0.0236	0.0409	0.0425	0.0747	-0.0177
-0.0247	0.0032	-0.0289	-0.0589	-0.0102	-0.0323	-0.0245	

Columns 9,256 through 9,270

0.0208	0.0430	0.0128	-0.0078	-0.0031	0.0319	0.0335	-0.0257
-0.0061	0.0100	-0.0019	-0.0046	0.0072	-0.0101	0.0242	
0.0769	0.0202	0.0201	-0.0010	0.0074	0.0290	0.0310	0.0313
0.0234	0.0195	-0.0088	-0.0177	-0.0049	0.0006	-0.0011	
0.0723	-0.0191	0.0109	0.0091	0.0243	0.0095	0.0046	0.0587
0.0251	0.0069	-0.0151	-0.0302	0.0008	0.0141	-0.0344	

Columns 9,271 through 9,285

0.0378	0.0191	0.0095	0.0041	0.0093	0.0130	0.0343	-0.0197
-0.0208	0.0112	-0.0134	-0.0136	0.0325	0.0068	0.0068	
-0.0299	0.0099	-0.0067	0.0343	-0.0018	0.0007	-0.0133	-0.0136
-0.0245	0.0107	-0.0121	-0.0367	-0.0143	-0.0097	0.0066	
-0.0695	0.0090	-0.0146	0.0626	-0.0063	-0.0050	-0.0344	0.0159
-0.0021	0.0040	-0.0196	-0.0219	-0.0384	-0.0187	-0.0045	

Columns 9,286 through 9,300

-0.0147	-0.0442	0.0236	0.0477	-0.0322	-0.0003	-0.0330	0.0153
0.0183	-0.0129	0.0129	-0.0246	-0.0174	0.0160	0.0296	
-0.0128	0.0239	-0.0294	0.0040	-0.0265	0.0004	-0.0368	0.0088
-0.0308	-0.0080	-0.0398	-0.0117	-0.0079	0.0148	0.0227	
-0.0152	0.0747	-0.0549	-0.0264	0.0064	-0.0007	-0.0242	-0.0131
-0.0457	-0.0046	-0.0488	0.0196	0.0031	0.0056	0.0092	

Columns 9,301 through 9,315

0.0123	-0.0172	-0.0208	-0.0090	0.0152	0.0019	-0.0260	0.0364
-0.0249	0.0259	-0.0092	0.0011	-0.0456	0.0110	-0.0315	
-0.0312	0.0067	0.0075	-0.0090	0.0127	-0.0170	-0.0203	0.0102
-0.0024	0.0146	0.0138	0.0065	-0.0162	0.0209	-0.0055	
-0.0390	0.0210	0.0196	0.0072	-0.0103	-0.0246	0.0025	-0.0197
0.0068	-0.0061	0.0309	-0.0000	0.0194	0.0170	0.0080	

Columns 9,316 through 9,330

0.0162	0.0150	-0.0109	0.0538	0.0106	0.0166	0.0117	-0.0064
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Assignment 1

Sai Rohith Tanuku

-0.0216	0.0386	-0.0058	0.0048	0.0111	-0.0063	0.0096	
-0.0381	-0.0048	0.0153	-0.0052	-0.0015	-0.0032	0.0214	-0.0278
0.0316	0.0305	-0.0021	-0.0197	-0.0209	0.0188	0.0334	
-0.0608	-0.0129	0.0223	-0.0568	-0.0011	-0.0179	0.0124	-0.0237
0.0689	0.0063	-0.0087	-0.0311	-0.0300	0.0254	0.0489	

Columns 9,331 through 9,345

0.0054	0.0120	-0.0015	-0.0057	0.0045	0.0025	-0.0261	-0.0212
0.0393	-0.0222	0.0115	-0.0179	0.0274	-0.0052	0.0189	
0.0095	-0.0046	-0.0082	0.0178	0.0265	0.0229	-0.0050	0.0127
0.0470	-0.0000	0.0210	-0.0281	0.0382	-0.0101	-0.0139	
0.0112	-0.0247	-0.0231	0.0340	0.0242	0.0300	0.0144	0.0268
0.0163	0.0171	0.0104	-0.0162	0.0257	-0.0036	-0.0399	

Columns 9,346 through 9,360

-0.0297	0.0182	0.0364	0.0301	0.0052	-0.0215	0.0218	-0.0030
0.0113	-0.0030	-0.0042	-0.0425	-0.0088	0.0338	0.0364	
0.0153	-0.0197	-0.0374	-0.0314	-0.0238	0.0070	0.0117	-0.0044
-0.0302	0.0278	0.0010	-0.0134	-0.0153	-0.0301	0.0028	
0.0465	-0.0493	-0.0671	-0.0527	-0.0248	0.0245	0.0117	0.0009
-0.0501	0.0207	0.0111	0.0320	-0.0269	-0.0621	-0.0202	

Columns 9,361 through 9,375

0.0029	-0.0000	-0.0168	-0.0205	-0.0003	-0.0035	-0.0052	-0.0142
-0.0382	0.0142	0.0264	-0.0227	-0.0071	0.0061	-0.0167	
0.0149	0.0635	0.0158	0.0082	0.0217	0.0423	-0.0014	0.0010
-0.0529	0.0047	-0.0125	-0.0254	-0.0117	-0.0254	0.0322	
0.0249	0.0847	0.0423	0.0306	0.0278	0.0670	0.0131	0.0090
-0.0334	-0.0144	-0.0284	-0.0249	-0.0205	-0.0398	0.0553	

Columns 9,376 through 9,390

0.0188	-0.0046	0.0391	-0.0324	0.0295	0.0559	0.0223	0.0115
-0.0142	-0.0043	0.0211	-0.0067	0.0131	0.0181	-0.0310	
0.0002	-0.0027	0.0175	0.0113	0.0216	-0.0110	0.0309	-0.0091
-0.0343	-0.0161	0.0416	0.0387	0.0123	0.0185	-0.0502	
-0.0080	0.0121	-0.0178	0.0284	0.0100	-0.0566	0.0184	-0.0145
-0.0135	-0.0078	0.0309	0.0424	0.0072	0.0171	-0.0334	

Columns 9,391 through 9,405

-0.0184	0.0271	-0.0377	-0.0242	-0.0007	0.0176	0.0059	0.0224
0.0445	0.0086	-0.0036	-0.0031	-0.0340	-0.0353	-0.0417	
-0.0408	0.0109	-0.0170	-0.0198	-0.0135	-0.0100	-0.0008	0.0045
0.0187	0.0060	0.0133	-0.0009	0.0176	-0.0174	0.0044	
-0.0268	-0.0205	0.0088	0.0003	-0.0156	-0.0281	-0.0051	0.0088
-0.0113	-0.0023	0.0134	0.0115	0.0370	0.0071	0.0396	

Columns 9,406 through 9,420

0.0224	0.0224	-0.0253	0.0249	0.0087	-0.0333	0.0188	-0.0031
-0.0079	0.0330	-0.0238	0.0397	0.0034	-0.0019	0.0009	
-0.0044	0.0358	-0.0080	0.0138	-0.0151	0.0074	0.0089	0.0088
0.0069	-0.0008	-0.0108	-0.0047	-0.0479	-0.0080	0.0008	
-0.0220	0.0147	0.0190	-0.0160	-0.0316	0.0289	-0.0231	0.0239

Assignment 1

Sai Rohith Tanuku

0.0285 -0.0232 0.0061 -0.0404 -0.0612 -0.0085 -0.0053

Columns 9,421 through 9,435

-0.0091 -0.0167 -0.0212 0.0231 0.0016 -0.0139 -0.0253 -0.0230
 0.0160 -0.0245 -0.0491 0.0254 -0.0024 -0.0214 -0.0060
 -0.0173 -0.0265 -0.0160 -0.0015 -0.0249 -0.0106 0.0151 -0.0291
 0.0267 -0.0190 0.0332 0.0006 0.0261 0.0196 0.0025
 -0.0103 -0.0233 0.0015 -0.0252 -0.0349 0.0180 0.0244 -0.0239
 0.0265 0.0102 0.0755 -0.0244 0.0310 0.0450 0.0111

Columns 9,436 through 9,450

0.0546 0.0199 -0.0003 -0.0023 -0.0227 -0.0381 -0.0091 -0.0013
 -0.0145 0.0197 0.0219 -0.0149 0.0021 0.0162 -0.0135
 0.0069 -0.0083 -0.0073 0.0099 -0.0079 -0.0085 -0.0036 0.0328
 -0.0095 -0.0119 0.0021 -0.0175 0.0269 0.0140 -0.0193
 -0.0471 -0.0239 -0.0165 0.0047 0.0177 0.0325 0.0060 0.0515
 0.0155 -0.0222 -0.0118 -0.0147 0.0378 -0.0101 -0.0035

Columns 9,451 through 9,465

0.0035 -0.0027 -0.0314 0.0026 0.0149 0.0161 0.0208 -0.0088
 0.0323 0.0042 0.0634 -0.0214 0.0164 -0.0045 0.0261
 -0.0393 -0.0465 -0.0349 -0.0213 0.0064 0.0012 0.0462 0.0263
 -0.0040 -0.0305 0.0273 0.0051 -0.0029 -0.0286 -0.0141
 -0.0436 -0.0585 -0.0142 -0.0190 -0.0003 -0.0053 0.0392 0.0466
 -0.0399 -0.0402 -0.0120 0.0246 -0.0313 -0.0453 -0.0341

Columns 9,466 through 9,480

-0.0099 0.0081 0.0044 0.0051 -0.0181 0.0384 0.0285 -0.0041
 0.0420 -0.0013 0.0102 -0.0404 -0.0234 0.0043 0.0111
 0.0430 -0.0043 0.0004 0.0072 -0.0007 -0.0054 0.0481 -0.0484
 0.0187 0.0295 -0.0021 -0.0074 -0.0130 0.0538 0.0508
 0.0641 -0.0056 -0.0043 -0.0047 0.0162 -0.0337 0.0347 -0.0362
 -0.0142 0.0298 -0.0117 0.0278 0.0099 0.0541 0.0577

Columns 9,481 through 9,495

0.0115 -0.0479 -0.0023 0.0485 0.0250 0.0172 0.0405 -0.0044
 -0.0453 0.0127 0.0157 0.0157 -0.0001 -0.0050 0.0485
 0.0056 0.0106 -0.0227 0.0390 -0.0194 -0.0095 -0.0005 -0.0208
 -0.0419 0.0166 -0.0118 -0.0090 0.0014 -0.0097 -0.0102
 0.0003 0.0742 -0.0267 -0.0017 -0.0314 -0.0186 -0.0327 -0.0151
 -0.0139 0.0062 -0.0380 -0.0239 0.0080 -0.0123 -0.0497

Columns 9,496 through 9,510

-0.0058 -0.0213 0.0445 -0.0099 -0.0349 -0.0160 0.0099 -0.0217
 0.0270 0.0529 -0.0221 -0.0032 -0.0159 0.0071 -0.0332
 0.0012 -0.0269 0.0244 0.0034 -0.0267 0.0021 -0.0158 -0.0157
 -0.0120 0.0172 -0.0007 -0.0420 -0.0219 -0.0208 -0.0050
 0.0126 -0.0152 -0.0121 0.0067 -0.0114 0.0135 -0.0243 0.0026
 -0.0385 -0.0226 0.0197 -0.0398 -0.0082 -0.0389 0.0275

Columns 9,511 through 9,525

0.0201	-0.0168	0.0152	0.0157	0.0251	0.0050	-0.0032	-0.0243
-0.0238	-0.0110	-0.0093	0.0062	0.0024	0.0042	-0.0124	
-0.0022	0.0098	0.0187	0.0160	0.0146	0.0212	0.0297	0.0074
0.0367	-0.0040	0.0096	-0.0082	-0.0225	-0.0172	-0.0169	
-0.0141	0.0232	-0.0040	-0.0041	-0.0037	0.0155	0.0388	0.0280
0.0568	0.0081	0.0214	-0.0134	-0.0346	-0.0188	-0.0061	

Columns 9,526 through 9,540

0.0038	-0.0216	-0.0458	-0.0245	-0.0002	0.0236	0.0497	0.0161
0.0359	0.0008	-0.0343	0.0051	0.0118	0.0058	0.0089	
-0.0342	0.0060	-0.0283	0.0228	0.0210	-0.0331	0.0242	-0.0110
-0.0235	0.0271	0.0234	0.0169	0.0117	-0.0307	-0.0052	
-0.0462	0.0398	0.0034	0.0385	0.0315	-0.0507	-0.0250	-0.0273
-0.0509	0.0426	0.0562	0.0228	0.0034	-0.0511	-0.0162	

Columns 9,541 through 9,555

-0.0176	-0.0071	-0.0390	0.0181	0.0660	-0.0107	0.0246	-0.0239
0.0042	-0.0297	0.0301	-0.0166	-0.0012	0.0376	-0.0089	
-0.0055	-0.0124	0.0138	-0.0151	0.0051	-0.0168	0.0123	0.0123
0.0432	0.0433	-0.0273	-0.0223	0.0521	0.0189	0.0013	
0.0087	-0.0130	0.0517	-0.0326	-0.0493	-0.0140	-0.0085	0.0229
0.0462	0.0741	-0.0644	-0.0131	0.0661	-0.0073	0.0227	

Columns 9,556 through 9,570

-0.0495	0.0027	-0.0220	0.0018	0.0385	0.0094	0.0104	0.0049
-0.0205	-0.0185	0.0404	-0.0378	-0.0122	-0.0207	-0.0362	
0.0236	-0.0248	-0.0104	-0.0133	0.0306	0.0605	0.0151	0.0284
0.0209	0.0115	-0.0033	0.0134	0.0084	-0.0482	-0.0281	
0.0684	-0.0207	0.0106	-0.0094	-0.0000	0.0721	0.0048	0.0215
0.0307	0.0274	-0.0367	0.0462	0.0224	-0.0530	-0.0086	

Columns 9,571 through 9,585

0.0237	0.0128	-0.0243	0.0109	-0.0176	0.0015	0.0013	0.0109
0.0236	-0.0175	-0.0203	0.0042	-0.0036	0.0396	0.0411	
0.0346	-0.0095	-0.0000	-0.0118	-0.0113	-0.0362	-0.0183	0.0095
0.0018	0.0436	0.0004	-0.0141	-0.0010	-0.0398	0.0043	
0.0151	-0.0084	0.0177	-0.0191	-0.0163	-0.0539	-0.0125	0.0036
-0.0021	0.0782	0.0106	-0.0254	0.0086	-0.0788	-0.0322	

Columns 9,586 through 9,600

0.0166	0.0217	0.0136	-0.0114	0.0016	0.0263	0.0025	-0.0293
0.0241	0.0638	0.0314	0.0318	-0.0150	0.0147	0.0026	
0.0483	0.0078	-0.0162	0.0124	0.0230	-0.0374	0.0064	0.0371
0.0133	0.0014	-0.0333	0.0082	-0.0215	-0.0047	-0.0012	
0.0358	-0.0124	-0.0253	0.0295	0.0297	-0.0745	-0.0004	0.0745
-0.0020	-0.0549	-0.0775	-0.0167	-0.0075	-0.0174	0.0035	

Columns 9,601 through 9,615

0.0082	0.0033	-0.0159	0.0158	0.0178	0.0047	-0.0123	-0.0415
0.0163	0.0044	0.0133	-0.0028	0.0559	0.0271	0.0262	
0.0034	0.0032	0.0053	-0.0124	-0.0444	0.0186	-0.0138	-0.0242

Assignment 1

Sai Rohith Tanuku

-0.0211	0.0338	-0.0195	-0.0083	0.0045	-0.0030	0.0075	
-0.0005	-0.0063	0.0349	-0.0419	-0.0719	0.0123	0.0048	-0.0012
-0.0620	0.0451	-0.0361	-0.0144	-0.0351	-0.0110	-0.0105	

Columns 9,616 through 9,630

0.0241	-0.0241	-0.0175	-0.0139	0.0245	0.0238	-0.0042	0.0443
0.0023	0.0072	-0.0102	0.0216	-0.0044	0.0347	-0.0060	
0.0049	0.0042	-0.0151	-0.0136	0.0067	0.0128	-0.0038	0.0450
-0.0203	-0.0355	0.0302	-0.0216	-0.0120	-0.0217	-0.0284	
-0.0108	0.0333	0.0082	-0.0029	-0.0179	-0.0123	0.0021	0.0053
-0.0223	-0.0510	0.0376	-0.0460	-0.0158	-0.0580	-0.0270	

Columns 9,631 through 9,645

-0.0051	0.0493	0.0050	-0.0206	0.0212	-0.0170	0.0181	0.0456
-0.0035	0.0401	0.0194	0.0187	-0.0236	0.0258	0.0141	
-0.0255	0.0108	-0.0081	-0.0010	-0.0054	0.0249	-0.0125	-0.0240
-0.0053	0.0470	0.0002	0.0128	-0.0121	-0.0149	-0.0138	
-0.0303	-0.0244	-0.0122	0.0009	-0.0236	0.0412	-0.0265	-0.0621
-0.0130	0.0272	-0.0144	-0.0180	0.0042	-0.0428	-0.0166	

Columns 9,646 through 9,660

0.0204	-0.0086	0.0243	-0.0184	-0.0149	-0.0207	0.0104	0.0044
-0.0090	-0.0389	-0.0107	0.0442	-0.0153	-0.0205	0.0430	
0.0361	-0.0241	-0.0023	-0.0262	-0.0124	-0.0314	0.0044	0.0181
-0.0284	0.0059	0.0022	-0.0004	-0.0060	-0.0315	0.0273	
0.0301	-0.0135	-0.0223	-0.0182	0.0058	-0.0364	-0.0044	0.0270
-0.0307	0.0439	0.0047	-0.0422	0.0079	-0.0181	0.0054	

Columns 9,661 through 9,675

0.0084	-0.0362	0.0167	0.0026	-0.0132	0.0381	-0.0217	-0.0043
-0.0425	-0.0353	0.0236	0.0014	0.0123	-0.0285	0.0399	
0.0283	-0.0048	-0.0057	0.0025	-0.0050	0.0261	-0.0146	-0.0053
0.0248	-0.0241	0.0239	0.0348	0.0290	-0.0104	0.0213	
0.0150	0.0114	-0.0257	-0.0092	-0.0006	0.0024	-0.0099	-0.0065
0.0599	-0.0154	0.0113	0.0525	0.0189	0.0107	-0.0099	

Columns 9,676 through 9,690

-0.0191	-0.0094	-0.0022	-0.0122	-0.0066	0.0144	0.0004	0.0284
-0.0139	0.0136	-0.0204	-0.0166	0.0344	0.0288	0.0207	
0.0032	-0.0109	0.0079	-0.0085	-0.0069	0.0449	0.0448	0.0002
-0.0058	0.0214	0.0035	0.0260	0.0135	0.0351	-0.0168	
0.0242	-0.0026	0.0201	-0.0170	0.0080	0.0433	0.0512	-0.0132
0.0093	0.0199	0.0193	0.0406	-0.0059	0.0092	-0.0374	

Columns 9,691 through 9,705

0.0230	0.0219	0.0219	-0.0123	0.0019	-0.0514	0.0052	-0.0232
-0.0083	-0.0250	-0.0143	0.0278	0.0492	0.0033	0.0068	
0.0058	0.0065	-0.0147	-0.0126	-0.0184	-0.0147	0.0228	0.0372
0.0208	-0.0099	-0.0416	0.0056	0.0193	0.0499	0.0049	
-0.0132	-0.0156	-0.0317	-0.0141	-0.0334	0.0046	0.0293	0.0601
0.0297	0.0030	-0.0301	-0.0139	0.0050	0.0481	0.0014	

Columns 9,706 through 9,720

-0.0127	-0.0001	0.0237	-0.0155	-0.0043	-0.0578	-0.0426	-0.0168
0.0008	0.0210	0.0374	-0.0313	-0.0200	-0.0371	-0.0214	
0.0117	0.0019	0.0000	-0.0456	0.0433	-0.0004	-0.0306	-0.0095
0.0546	0.0192	0.0056	-0.0156	-0.0483	-0.0193	-0.0187	
0.0285	-0.0040	-0.0214	-0.0386	0.0485	0.0497	-0.0025	0.0024
0.0762	0.0142	-0.0297	0.0070	-0.0457	0.0129	0.0017	

Columns 9,721 through 9,735

-0.0223	0.0128	-0.0031	0.0136	0.0034	0.0050	-0.0217	-0.0447
0.0065	-0.0088	-0.0258	0.0228	-0.0212	0.0225	-0.0059	
-0.0038	0.0090	0.0110	0.0204	0.0018	0.0084	-0.0327	-0.0172
-0.0023	-0.0002	0.0046	0.0153	-0.0363	-0.0163	0.0122	
0.0133	0.0020	0.0287	0.0124	0.0072	0.0071	-0.0261	0.0301
-0.0052	-0.0082	0.0312	0.0017	-0.0370	-0.0412	0.0186	

Columns 9,736 through 9,750

-0.0033	0.0076	0.0010	-0.0128	0.0104	0.0447	-0.0124	-0.0240
-0.0189	-0.0142	0.0164	0.0020	0.0212	-0.0342	0.0125	
0.0161	-0.0078	-0.0294	0.0201	-0.0000	0.0066	-0.0160	-0.0100
0.0157	0.0138	-0.0275	0.0094	-0.0015	-0.0139	0.0270	
0.0265	0.0037	-0.0295	0.0325	-0.0099	-0.0283	-0.0272	0.0062
0.0461	0.0323	-0.0388	0.0164	-0.0235	-0.0018	0.0353	

Columns 9,751 through 9,765

0.0253	-0.0058	-0.0395	0.0426	0.0106	0.0343	0.0224	0.0342
0.0039	0.0196	0.0092	-0.0159	0.0028	-0.0126	0.0095	
-0.0306	-0.0094	-0.0267	-0.0050	-0.0005	0.0219	0.0107	0.0063
-0.0174	0.0030	0.0349	-0.0460	0.0057	-0.0497	-0.0009	
-0.0613	-0.0157	0.0063	-0.0453	-0.0137	-0.0098	-0.0105	-0.0271
-0.0100	-0.0159	0.0369	-0.0333	-0.0008	-0.0371	-0.0052	

Columns 9,766 through 9,780

0.0090	-0.0011	-0.0248	0.0250	-0.0228	0.0096	0.0316	-0.0236
0.0425	0.0470	-0.0023	0.0165	0.0134	0.0156	-0.0168	
0.0113	-0.0288	0.0103	0.0222	0.0298	-0.0057	-0.0203	-0.0124
-0.0047	-0.0496	0.0013	0.0256	0.0136	0.0106	-0.0100	
0.0055	-0.0219	0.0301	0.0153	0.0630	-0.0308	-0.0631	-0.0079
-0.0515	-0.1081	-0.0019	0.0279	0.0051	0.0034	-0.0009	

Columns 9,781 through 9,795

0.0182	0.0092	0.0017	0.0053	-0.0401	-0.0291	-0.0123	-0.0143
-0.0277	0.0521	0.0507	-0.0178	-0.0141	0.0399	-0.0218	
-0.0458	0.0430	-0.0255	-0.0190	0.0121	-0.0026	-0.0288	0.0148
-0.0076	-0.0026	0.0353	-0.0001	-0.0289	-0.0166	-0.0144	
-0.0554	0.0453	-0.0339	-0.0288	0.0475	0.0353	-0.0252	0.0308
0.0177	-0.0346	-0.0135	0.0238	-0.0280	-0.0457	-0.0005	

Columns 9,796 through 9,810

-0.0133	-0.0527	0.0005	-0.0051	0.0130	0.0497	0.0147	-0.0077
0.0087	-0.0223	0.0185	-0.0368	-0.0255	0.0125	0.0548	

Assignment 1

Sai Rohith Tanuku

0.0328	-0.0018	-0.0247	-0.0134	0.0075	0.0291	-0.0022	-0.0013
-0.0073	-0.0405	0.0064	-0.0266	-0.0123	-0.0452	0.0142	
0.0476	0.0363	-0.0291	-0.0176	-0.0155	-0.0230	-0.0165	0.0216
-0.0291	-0.0358	-0.0235	0.0026	0.0135	-0.0626	-0.0071	

Columns 9,811 through 9,825

-0.0202	-0.0172	-0.0242	0.0040	-0.0081	-0.0275	0.0021	-0.0172
0.0220	0.0273	0.0053	-0.0153	0.0333	0.0329	0.0006	
0.0045	0.0285	0.0167	-0.0280	-0.0091	-0.0182	-0.0069	0.0267
0.0068	0.0019	0.0011	-0.0277	-0.0024	0.0260	-0.0387	
0.0240	0.0500	0.0351	-0.0275	-0.0028	-0.0088	-0.0155	0.0661
-0.0120	-0.0130	0.0016	-0.0261	-0.0242	0.0002	-0.0535	

Columns 9,826 through 9,840

-0.0014	-0.0061	0.0143	0.0143	0.0195	0.0287	-0.0398	-0.0152
-0.0119	-0.0135	-0.0286	0.0083	-0.0178	0.0143	0.0168	
-0.0162	-0.0305	0.0011	-0.0220	-0.0245	-0.0189	-0.0087	0.0384
-0.0306	0.0351	0.0275	0.0301	0.0356	-0.0022	0.0283	
-0.0236	-0.0310	-0.0251	-0.0362	-0.0341	-0.0404	0.0114	0.0488
-0.0376	0.0671	0.0508	0.0273	0.0563	-0.0067	0.0187	

Columns 9,841 through 9,855

0.0073	-0.0277	-0.0295	-0.0398	0.0183	-0.0342	0.0090	0.0055
0.0020	0.0112	0.0086	0.0074	0.0119	-0.0126	-0.0270	
-0.0147	-0.0307	-0.0056	-0.0110	0.0527	0.0112	0.0120	0.0297
-0.0091	-0.0241	0.0003	-0.0114	0.0112	-0.0122	0.0022	
-0.0319	-0.0038	0.0256	0.0107	0.0499	0.0384	0.0099	0.0339
-0.0097	-0.0329	0.0060	-0.0061	-0.0092	-0.0091	0.0554	

Columns 9,856 through 9,870

-0.0162	-0.0402	-0.0107	0.0066	0.0072	0.0246	0.0168	-0.0178
-0.0037	0.0226	-0.0660	-0.0346	0.0086	0.0068	-0.0094	
-0.0104	-0.0278	-0.0112	0.0277	0.0332	-0.0191	-0.0064	0.0076
0.0101	0.0087	0.0106	-0.0279	0.0596	-0.0033	0.0122	
-0.0004	0.0018	-0.0054	0.0199	0.0290	-0.0478	-0.0221	0.0245
0.0217	0.0051	0.0665	0.0076	0.0590	-0.0061	0.0257	

Columns 9,871 through 9,885

0.0193	-0.0173	-0.0152	-0.0248	0.0218	0.0122	-0.0114	0.0280
0.0194	0.0079	-0.0033	-0.0065	0.0351	-0.0083	0.0427	
-0.0057	-0.0160	0.0126	-0.0140	0.0024	0.0179	0.0094	0.0357
0.0084	-0.0007	0.0365	0.0262	-0.0242	-0.0111	-0.0229	
-0.0165	0.0059	0.0174	-0.0040	-0.0217	0.0210	0.0160	0.0082
-0.0160	-0.0233	0.0513	0.0406	-0.0602	-0.0086	-0.0557	

Columns 9,886 through 9,900

-0.0140	-0.0113	0.0454	-0.0344	0.0002	0.0342	-0.0379	-0.0337
-0.0101	0.0056	-0.0289	0.0018	0.0468	0.0140	0.0361	
-0.0018	0.0352	0.0377	0.0110	-0.0201	-0.0050	0.0149	0.0023
0.0152	0.0282	-0.0139	0.0182	0.0201	0.0054	-0.0270	
-0.0013	0.0433	-0.0021	0.0378	-0.0215	-0.0293	0.0640	0.0410
0.0230	0.0243	0.0061	0.0360	-0.0288	-0.0130	-0.0561	

Columns 9,901 through 9,915

0.0090	-0.0150	0.0249	0.0218	-0.0075	0.0625	-0.0337	0.0213
-0.0108	0.0098	-0.0112	-0.0360	0.0376	-0.0297	0.0115	
-0.0179	-0.0079	-0.0322	0.0092	0.0087	0.0300	0.0106	0.0025
-0.0284	0.0115	0.0247	-0.0353	0.0198	0.0208	-0.0102	
-0.0284	0.0144	-0.0625	0.0002	0.0223	-0.0306	0.0406	-0.0399
-0.0308	0.0067	0.0274	-0.0215	-0.0115	0.0456	-0.0109	

Columns 9,916 through 9,930

0.0049	0.0221	-0.0050	-0.0155	0.0079	-0.0083	0.0371	0.0505
0.0149	0.0280	0.0093	0.0026	0.0007	0.0317	0.0158	
0.0183	-0.0203	-0.0156	-0.0220	-0.0001	-0.0050	-0.0046	-0.0077
0.0231	0.0393	-0.0242	0.0044	-0.0216	0.0054	0.0156	
0.0219	-0.0442	-0.0166	-0.0150	0.0021	0.0046	-0.0293	-0.0532
0.0212	0.0168	-0.0264	0.0117	-0.0508	-0.0307	-0.0039	

Columns 9,931 through 9,945

0.0057	0.0036	-0.0006	-0.0079	-0.0019	-0.0321	0.0222	0.0232
-0.0277	0.0000	0.0305	-0.0045	-0.0255	-0.0104	0.0184	
-0.0093	-0.0361	0.0071	0.0308	-0.0160	-0.0236	0.0050	-0.0065
-0.0324	0.0092	-0.0261	-0.0026	0.0133	0.0066	-0.0040	
-0.0269	-0.0407	0.0014	0.0513	-0.0190	-0.0088	-0.0004	-0.0329
-0.0182	-0.0056	-0.0581	0.0070	0.0253	0.0159	-0.0191	

Columns 9,946 through 9,960

0.0187	0.0106	-0.0081	0.0082	0.0079	-0.0011	0.0028	-0.0026
0.0287	0.0141	0.0251	0.0220	-0.0223	0.0019	0.0158	
0.0105	0.0025	0.0125	0.0136	0.0569	-0.0255	-0.0106	-0.0395
0.0109	0.0246	0.0030	-0.0229	-0.0422	0.0434	-0.0185	
0.0109	-0.0134	0.0148	0.0043	0.0707	-0.0295	-0.0203	-0.0355
-0.0151	0.0202	-0.0207	-0.0337	-0.0203	0.0480	-0.0275	

Columns 9,961 through 9,975

-0.0088	0.0098	0.0186	0.0195	-0.0256	0.0073	-0.0436	0.0129
-0.0393	-0.0131	-0.0052	0.0317	0.0097	0.0013	-0.0108	
0.0181	0.0121	0.0088	-0.0183	0.0221	0.0052	-0.0320	0.0057
-0.0147	-0.0037	0.0036	0.0076	-0.0561	-0.0218	0.0067	
0.0260	0.0179	0.0006	-0.0438	0.0583	0.0062	0.0012	0.0047
0.0102	0.0083	0.0035	-0.0247	-0.0710	-0.0288	0.0265	

Columns 9,976 through 9,990

-0.0175	0.0016	0.0093	0.0020	0.0053	-0.0272	0.0180	0.0331
0.0181	0.0347	-0.0044	-0.0238	0.0182	0.0328	0.0117	
0.0105	0.0210	0.0186	0.0047	0.0235	-0.0229	-0.0263	0.0119
0.0351	0.0242	0.0125	0.0192	-0.0069	0.0305	0.0342	
0.0289	0.0265	0.0171	0.0151	0.0125	-0.0021	-0.0409	-0.0179
0.0325	-0.0060	0.0187	0.0445	-0.0352	-0.0035	0.0292	

Columns 9,991 through 10,000

0.0067	-0.0265	0.0112	-0.0272	0.0083	0.0011	-0.0094	-0.0077
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Assignment 1

Sai Rohith Tanuku

-0.0013	0.0120						
0.0068	0.0128	0.0402	0.0118	-0.0100	0.0262	0.0341	0.0261
0.0178	0.0034						
0.0051	0.0363	0.0466	0.0204	-0.0257	0.0259	0.0554	0.0402
0.0125	-0.0030						

The responses we get:

-0.0171
2.0001
2.0173

-2.0020
0.0152
2.0152

1.0039
1.0002
0.9963

Given Target Values:

0
2
2

-2
0
2

1
1
1

Similarity between response and corresponding targets:

1.0000

1.0000

1.0000

Screenshots:

```
s1_new=randn(1,10000)';
s2_new=randn(1,10000)';
s3_new=randn(1,10000)';
T1 = [0, 2, 2]';
T2 = [-2, 0, 2]';
T3 = [1, 1, 1]';
disp('The input signal vectors:');
disp(s1_new);
disp(s2_new);
disp(s3_new);
disp('Normalized input signal vectors:');
s1_new_norm=s1_new/norm(s1_new);
s2_new_norm=s2_new/norm(s2_new);
s3_new_norm=s3_new/norm(s3_new);
disp(s1_new_norm);
disp(s2_new_norm);
disp(s3_new_norm);
disp('The cosine matrix:');
cosine_matrix = [dot(s1_new_norm, s1_new_norm), dot(s1_new_norm, s2_new_norm), dot(s1_new_norm, s3_new_norm);
                 dot(s2_new_norm, s1_new_norm), dot(s2_new_norm, s2_new_norm), dot(s2_new_norm, s3_new_norm);
                 dot(s3_new_norm, s1_new_norm), dot(s3_new_norm, s2_new_norm), dot(s3_new_norm, s3_new_norm)];
disp(cosine_matrix);
disp('The associative weight matrix:');
w1 = T1 * s1_new_norm';
w2 = T2 * s2_new_norm';
w3 = T3 * s3_new_norm';

w=w1+w2+w3;
disp(w)

response_s1 = w * s1_new_norm;
response_s2 = w * s2_new_norm;
response_s3 = w * s3_new_norm;
disp('The responses we get:')
disp(response_s1);
disp(response_s2);
disp(response_s3);
disp('Given Target Values:')
disp(T1);
disp(T2);
disp(T3);
```

```
cosine_sim1 = dot(T1, response_s1) / (norm(T1) * norm(response_s1));
cosine_sim2 = dot(T2, response_s2) / (norm(T2) * norm(response_s2));
cosine_sim3 = dot(T3, response_s3) / (norm(T3) * norm(response_s3));

disp('Similarity between response and corresponding targets:')
disp(cosine_sim1);
disp(cosine_sim2);
disp(cosine_sim3);
```

Sai Rohith Tanuku

```
Command Window
cross1 cross2 cross3 cross4 cross5
The responses we get:
-0.0171
2.0001
2.0173

-2.0020
0.0152
2.0152

1.0039
1.0002
0.9963

Given Target Values:
0
2
2

-2
0
2

1
1
1

Similarity between response and corresponding targets:
1.0000

1.0000

1.0000
```

Question 4:

```
theta = linspace(0, 2*pi, 100); % Angles for circle points
radius = 1; % Radius of the cylinder
height = 1; % Height of the cylinder

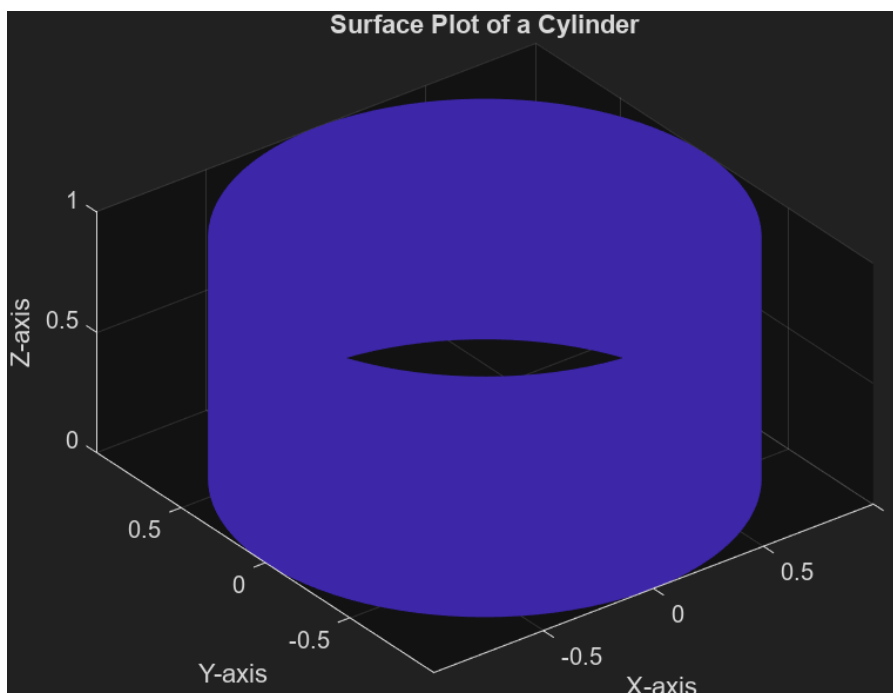
% Create circle points at z=0
x_circle = radius * cos(theta);
y_circle = radius * sin(theta);
z_circle = zeros(size(theta));

% Create circle points at z=1
z_top_circle = ones(size(theta));

% Combine points for the surface plot
x_surface = [x_circle; x_circle];
y_surface = [y_circle; y_circle];
z_surface = [z_circle; z_top_circle];

% Create the surface plot
figure;
surf(x_surface, y_surface, z_surface, 'EdgeColor', 'none');
title('Surface Plot of a Cylinder');
xlabel('X-axis');
ylabel('Y-axis');
zlabel('Z-axis');
axis equal;
```

Output:



Code Screenshot:

```
theta = linspace(0, 2*pi, 100); % Angles for circle points
radius = 1; % Radius of the cylinder
height = 1; % Height of the cylinder

% Create circle points at z=0
x_circle = radius * cos(theta);
y_circle = radius * sin(theta);
z_circle = zeros(size(theta));

% Create circle points at z=1
z_top_circle = ones(size(theta));

% Combine points for the surface plot
x_surface = [x_circle; x_circle];
y_surface = [y_circle; y_circle];
z_surface = [z_circle; z_top_circle];

% Create the surface plot
figure;
surf(x_surface, y_surface, z_surface, 'EdgeColor', 'none');
title('Surface Plot of a Cylinder');
xlabel('X-axis');
ylabel('Y-axis');
zlabel('Z-axis');
axis equal;
```


Question 5:

```
% Define parameters
theta = linspace(0, 2*pi, 100); % Angles for circle points
radius = 1; % Radius of the cylinder
height = 10; % Height of the cylinder

% Create circle points at z=0
x_circle = radius * cos(theta);
y_circle = radius * sin(theta);
z_circle = zeros(size(theta));

% Create circle points at x=0
x_circle1 = zeros(size(theta));
y_circle1 = radius * cos(theta);
z_circle1 = radius * sin(theta);

% Create circle points at y=0
x_circle2 = radius * sin(theta);
y_circle2 = zeros(size(theta));
z_circle2 = radius * cos(theta);

% Create circle points at z=height
z_top_circle = height.*ones(size(theta));
x_top_circle = height.*ones(size(theta));
y_top_circle = height.*ones(size(theta));

% Translate the blue cylinder along the negative x-axis by height/2 units
z_circle = z_circle - height/2;
z_top_circle = z_top_circle - height/2;

% Translate the green cylinder along the negative y-axis by height/2 units
y_circle2 = y_circle2 - height/2;
y_top_circle = y_top_circle - height/2;

% Translate the red cylinder along the negative x-axis by height/2 units
x_circle1 = x_circle1 - height/2;
x_top_circle = x_top_circle - height/2;

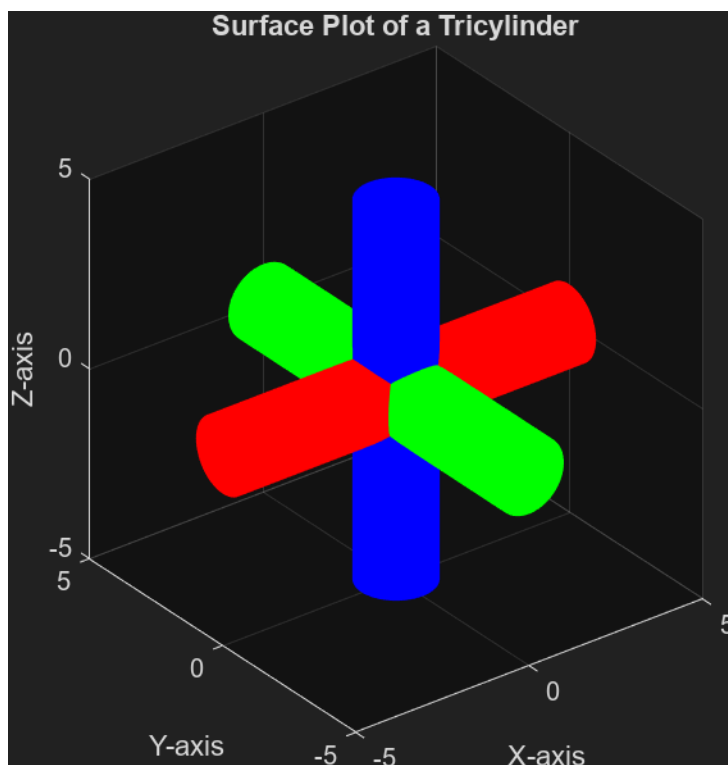
% Combine points for the surface plot
x_surface = [x_circle; x_circle];
y_surface = [y_circle; y_circle];
z_surface = [z_circle; z_top_circle];

% Combine points for the surface plot
x_surface1 = [x_circle1; x_top_circle];
y_surface1 = [y_circle1; y_circle1];
z_surface1 = [z_circle1; z_circle1];
```

```
% Combine points for the surface plot
x_surface2 = [x_circle2; x_circle2];
y_surface2 = [y_circle2; y_top_circle];
z_surface2 = [z_circle2; z_circle2];

% Create the surface plot
figure;
surf(x_surface, y_surface, z_surface, 'EdgeColor', 'none', 'FaceColor',
'blue');
hold on; % Fix: Add hold on to keep all surfaces on the same plot
surf(x_surface1, y_surface1, z_surface1, 'EdgeColor', 'none', 'FaceColor',
'red');
surf(x_surface2, y_surface2, z_surface2, 'EdgeColor', 'none', 'FaceColor',
'green');
hold off; % Fix: Add hold off to release the hold
title('Surface Plot of a Tricylinder'); % Fix: Update the title
xlabel('X-axis');
ylabel('Y-axis');
zlabel('Z-axis');
axis equal;
```

Output:



Code Screenshot:

```
% Define parameters
theta = linspace(0, 2*pi, 100); % Angles for circle points
radius = 1; % Radius of the cylinder
height = 10; % Height of the cylinder

% Create circle points at z=0
x_circle = radius * cos(theta);
y_circle = radius * sin(theta);
z_circle = zeros(size(theta));

% Create circle points at x=0
x_circle1 = zeros(size(theta));
y_circle1 = radius * cos(theta);
z_circle1 = radius * sin(theta);

% Create circle points at y=0
x_circle2 = radius * sin(theta);
y_circle2 = zeros(size(theta));
z_circle2 = radius * cos(theta);

% Create circle points at z=height
z_top_circle = height.*ones(size(theta));
x_top_circle = height.*ones(size(theta));
y_top_circle = height.*ones(size(theta));

% Translate the blue cylinder along the negative x-axis by height/2 units
z_circle = z_circle - height/2;
z_top_circle = z_top_circle - height/2;

% Translate the green cylinder along the negative y-axis by height/2 units
y_circle2 = y_circle2 - height/2;
y_top_circle = y_top_circle - height/2;
```

```
% Translate the red cylinder along the negative x-axis by height/2 units
x_circle1 = x_circle1 - height/2;
x_top_circle = x_top_circle - height/2;

% Combine points for the surface plot
x_surface = [x_circle; x_circle];
y_surface = [y_circle; y_circle];
z_surface = [z_circle; z_top_circle];

% Combine points for the surface plot
x_surface1 = [x_circle1; x_top_circle];
y_surface1 = [y_circle1; y_circle1];
z_surface1 = [z_circle1; z_circle1];

% Combine points for the surface plot
x_surface2 = [x_circle2; x_circle2];
y_surface2 = [y_circle2; y_top_circle];
z_surface2 = [z_circle2; z_circle2];

% Create the surface plot
figure;
surf(x_surface, y_surface, z_surface, 'EdgeColor', 'none','FaceColor', 'blue');
hold on; % Fix: Add hold on to keep all surfaces on the same plot
surf(x_surface1, y_surface1, z_surface1, 'EdgeColor', 'none','FaceColor', 'red');
surf(x_surface2, y_surface2, z_surface2, 'EdgeColor', 'none','FaceColor', 'green');
hold off; % Fix: Add hold off to release the hold
title('Surface Plot of a Tricylinder'); % Fix: Update the title
xlabel('X-axis');
ylabel('Y-axis');
zlabel('Z-axis');
axis equal;
```