

---

```
lengths = [5, 10 ,20 ,50 ,100];
n=[];
ti = [];
for i = 1: length(lengths)
    time_start = tic();
    curr_len = lengths(i);
    fprintf('matrix dimension is %d' , lengths(i))
    x = rand(curr_len,curr_len)
    det(x)
    if det(x) ~=0
        inv(x)

    else
        fprintf('no inverse')
    end

    time_stop = 1000000*toc(time_start);
    n= [n;lengths(i)];
    ti = [ti;time_stop];

end
n
ti
```

#### % LU DECOMPOSITION

```
lengths = [5, 10 ,20 ,50 ,100];
n1=[];
til = [];
for i = 1: length(lengths)
    time_start = tic();
    curr_len = lengths(i);
    fprintf('matrix dimension is %d' , lengths(i))
    x = rand(curr_len,curr_len)
    %det(x)
    [L,U] =lu(x)

    time_stop = 1000000*toc(time_start);
    n1= [n1;lengths(i)];
    til = [til;time_stop];

end
n1
til
```

*matrix dimension is 5*

---

x =

0.8646	0.4050	0.1826	0.7992	0.0869
0.0788	0.4657	0.6729	0.3114	0.5078
0.4326	0.3686	0.6424	0.7153	0.7762
0.8048	0.5620	0.8163	0.9133	0.5033
0.5096	0.5524	0.2650	0.7036	0.0585

ans =

0.0098

ans =

5.1396	3.0547	-1.5608	-1.0729	-4.2107
4.1949	4.9957	-1.1377	-3.9269	-0.7224
-3.3253	-1.5770	-1.3534	4.2076	0.3895
-6.0524	-5.7511	2.3996	2.5562	5.0844
3.4731	2.5303	1.6073	-3.3753	-2.3179

matrix dimension is 10

x =

Columns 1 through 7

0.6680	0.3543	0.2924	0.6668	0.0968	0.9537	0.0732
0.4097	0.1354	0.4870	0.4894	0.5570	0.9516	0.9798
0.0010	0.2167	0.1762	0.4699	0.8315	0.5999	0.7197
0.6743	0.6061	0.4961	0.3849	0.6770	0.7166	0.9665
0.4614	0.4438	0.6218	0.1474	0.2552	0.8968	0.3480
0.9577	0.4804	0.7320	0.8172	0.2735	0.1142	0.5979
0.3866	0.8870	0.9879	0.1103	0.2768	0.4348	0.4832
0.2602	0.0126	0.4020	0.8155	0.7263	0.8443	0.8307
0.2081	0.5785	0.8846	0.8204	0.7500	0.6297	0.0714
0.6347	0.0664	0.1904	0.2682	0.3519	0.8202	0.4643

Columns 8 through 10

0.2084	0.8101	0.5012
0.6988	0.4439	0.1661
0.7319	0.9101	0.1924
0.0805	0.4453	0.5285
0.3988	0.4141	0.9142
0.9225	0.5904	0.0358
0.4365	0.4439	0.1638
0.2373	0.0730	0.1559
0.2288	0.4483	0.4884
0.2714	0.9077	0.3810

ans =

---

-0.0102

ans =

Columns 1 through 7

0.0206	9.2065	-3.0614	3.5464	-2.8150	-0.2846	-4.2420
1.6160	6.0961	-0.8489	3.0978	-2.1151	-0.7729	-2.1415
-1.4841	-8.1481	1.1767	-3.7180	2.4693	0.7629	4.1433
0.6785	-6.5232	1.8011	-2.0846	1.6216	0.8772	2.2490
-0.5943	11.7446	-2.8561	4.4364	-3.6905	-1.0851	-5.4479
1.0184	6.8500	-1.7382	1.7471	-1.9405	-1.2327	-2.1605
-0.4498	-9.9429	2.6825	-2.8962	2.9369	0.9049	4.3566
0.2991	7.1802	-1.1379	1.7952	-1.2638	-0.1335	-3.1008
-0.3491	-8.2769	2.3163	-2.9381	1.8775	0.6085	3.6458
-0.5290	-6.6076	1.7947	-1.7305	3.1169	0.8087	1.6825

Columns 8 through 10

-8.1960	4.4809	-1.2011
-5.8725	2.4409	-3.3103
7.5043	-3.1480	3.2556
5.9208	-2.9738	0.3837
-10.5094	6.5669	-1.8706
-5.1011	2.7091	-1.5573
9.0005	-5.4686	1.9134
-6.1426	2.9129	-2.2830
6.6001	-3.6414	2.8124
5.1293	-2.8558	0.9803

matrix dimension is 20

x =

Columns 1 through 7

0.7710	0.7200	0.0677	0.6652	0.3210	0.2300	0.8382
0.1409	0.5941	0.2011	0.1961	0.2701	0.6834	0.0196
0.6703	0.7228	0.9083	0.9936	0.0047	0.3645	0.3312
0.5751	0.9088	0.1926	0.7562	0.3129	0.1927	0.0563
0.8190	0.1271	0.1311	0.3285	0.6611	0.1206	0.6726
0.6073	0.7600	0.7750	0.5412	0.5069	0.6517	0.2381
0.7308	0.0886	0.7137	0.4783	0.8781	0.3121	0.4749
0.7438	0.6827	0.4691	0.2168	0.0761	0.0703	0.0551
0.6193	0.9091	0.3572	0.7935	0.9644	0.6500	0.8405
0.2481	0.1542	0.1351	0.6382	0.1329	0.8489	0.5999
0.1448	0.9392	0.1121	0.7646	0.5969	0.1013	0.2795
0.4856	0.9415	0.4826	0.7398	0.3787	0.3424	0.9650
0.3848	0.4365	0.9259	0.1272	0.3981	0.2116	0.0877
0.0476	0.2459	0.2262	0.6840	0.7883	0.0912	0.0469
0.0332	0.0715	0.0895	0.7473	0.5383	0.2526	0.6176
0.6312	0.8537	0.5071	0.3581	0.4534	0.2070	0.9685
0.3094	0.5947	0.3010	0.1906	0.0142	0.6161	0.1263
0.1877	0.5758	0.7750	0.5744	0.3182	0.8918	0.3714

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0.7659	0.3520	0.0074	0.2623	0.2730	0.7164	0.2737
0.6108	0.8646	0.2511	0.3917	0.4019	0.8652	0.1291

Columns 8 through 14

0.3860	0.5274	0.2433	0.1777	0.1767	0.3734	0.6842
0.3132	0.0339	0.2795	0.5559	0.5963	0.2879	0.3964
0.8546	0.1576	0.0945	0.6647	0.4594	0.9372	0.9909
0.7932	0.6039	0.6803	0.5438	0.7804	0.9831	0.9099
0.6237	0.5792	0.9311	0.8780	0.7679	0.9148	0.1461
0.5521	0.5404	0.5728	0.0811	0.5599	0.2659	0.4342
0.2364	0.9562	0.9107	0.0272	0.8698	0.0699	0.4075
0.2372	0.6309	0.6379	0.6572	0.2212	0.3364	0.9396
0.3058	0.6001	0.9721	0.1706	0.8095	0.8844	0.3938
0.2236	0.0480	0.6374	0.4864	0.1442	0.0081	0.7988
0.1609	0.2257	0.8008	0.5873	0.5748	0.1474	0.0027
0.8905	0.3583	0.8794	0.3140	0.3838	0.2885	0.5212
0.7762	0.7359	0.9568	0.3582	0.6506	0.1327	0.7114
0.8794	0.5280	0.3106	0.9729	0.5472	0.0410	0.2222
0.8005	0.7096	0.6044	0.1155	0.3829	0.9021	0.2887
0.0834	0.4956	0.2742	0.8954	0.1528	0.9650	0.8036
0.1630	0.7941	0.0730	0.8445	0.2268	0.4243	0.8944
0.0262	0.2067	0.1452	0.1216	0.3148	0.1544	0.8116
0.3224	0.9418	0.3255	0.1521	0.1089	0.9894	0.6586
0.2047	0.6564	0.5521	0.7523	0.3495	0.6986	0.9872

Columns 15 through 20

0.6732	0.5262	0.6758	0.9971	0.2258	0.0833
0.2023	0.2191	0.6074	0.6790	0.4762	0.2544
0.1446	0.6670	0.8802	0.4421	0.0436	0.3481
0.2012	0.4521	0.8057	0.1527	0.8135	0.8966
0.0991	0.4904	0.5990	0.3113	0.1998	0.7189
0.6233	0.4678	0.1851	0.5339	0.5231	0.2609
0.6796	0.7739	0.9317	0.4315	0.7284	0.1282
0.3198	0.3626	0.6598	0.8914	0.0582	0.7592
0.1823	0.7154	0.6941	0.1524	0.4210	0.8048
0.9132	0.1573	0.8042	0.5080	0.0796	0.2640
0.1164	0.4986	0.3797	0.7253	0.5135	0.8000
0.9747	0.1966	0.2499	0.7274	0.5660	0.4295
0.2068	0.1831	0.3285	0.8068	0.2936	0.8882
0.9164	0.6772	0.9782	0.6920	0.8686	0.7784
0.6691	0.8971	0.2453	0.5420	0.7362	0.2649
0.2245	0.6023	0.3927	0.1315	0.6634	0.2091
0.1511	0.2599	0.0265	0.4456	0.9620	0.3760
0.7174	0.5824	0.7755	0.4916	0.8879	0.7992
0.0983	0.4770	0.4444	0.6989	0.9284	0.2429
0.5605	0.8683	0.1169	0.5274	0.7127	0.7789

ans =

0.0846

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ans =

Columns 1 through 7

0.5733	-0.7157	0.0665	0.3952	0.8311	0.5301	0.1180
-0.9190	0.8251	0.6024	-0.8143	-1.0837	-1.5311	0.6017
-0.5338	-0.1537	0.0050	-0.2005	0.1310	1.1729	-0.2534
1.0097	-1.3937	-0.5560	1.1758	0.5807	2.8162	-1.0823
2.1176	-0.9464	-1.7852	1.6820	0.3833	3.8004	-1.8819
-0.8594	0.4355	0.7429	-1.0926	-0.3641	-1.1503	0.3938
-0.0449	0.2176	0.6129	-0.8873	-0.0062	-2.1576	0.6653
-0.7697	0.3592	1.4425	-1.0030	-0.8846	-2.9405	0.9929
-0.7475	0.0134	0.2474	-0.9363	-0.5448	-0.5503	0.3428
-1.3560	0.2272	0.5062	-0.4182	-0.6620	-1.4534	0.9427
-0.3945	0.0467	0.1608	-0.3187	0.2068	0.0674	-0.0165
1.2413	0.5896	-0.7770	0.9843	1.1692	1.3627	-0.2461
0.4039	0.0740	-1.3651	1.1400	0.8946	3.2764	-1.6156
1.7038	-0.5481	-0.7221	1.4754	-0.0351	0.9152	-0.5612
0.2228	0.0670	-1.1908	0.6736	0.6630	2.3534	-0.8391
-1.3770	0.7236	2.1006	-1.9340	-1.1387	-4.6695	2.2304
-1.1943	0.7750	0.7910	-0.8451	-0.8163	-2.0453	0.9256
1.1093	0.0661	-0.7576	0.4501	0.5983	1.6705	-0.8918
-0.1987	-0.1011	0.0339	0.3571	0.0231	-0.5726	0.4616
0.1845	-0.5073	-0.1835	0.0496	0.5919	-0.1326	-0.4826

Columns 8 through 14

-0.9305	-1.0782	0.0688	0.4045	-0.1476	0.1560	-0.1671
1.2757	1.6236	-1.1232	-0.6700	1.9573	-1.0319	0.4216
0.5342	-0.2320	0.0903	0.0885	-0.4141	0.0044	-0.0926
-0.9324	-1.2103	1.5437	1.3749	-2.4167	0.4679	-0.3592
-2.3206	-1.6148	1.9650	0.9828	-4.0133	2.4062	0.2093
0.2239	1.2442	-0.2668	-0.5345	1.2211	-0.5152	0.2977
-0.1317	0.8450	-0.7449	-0.4255	1.5967	-0.1489	-0.0632
-0.5146	1.0672	-1.0494	-0.7724	2.5345	0.1876	0.7894
1.8605	1.9507	-0.6252	-0.9361	0.8934	-1.1426	0.4944
0.4268	0.2157	0.0318	0.2820	1.3938	-0.1705	-0.1538
0.2131	-0.0539	0.2193	0.1323	0.0258	-0.2901	0.2747
-0.2454	-0.6515	-0.0069	-0.0692	-1.3088	-0.0510	-0.8692
0.7238	-0.9143	0.8738	0.1206	-2.3213	-0.1260	-0.5324
-1.9555	-1.4320	1.2406	0.5117	-2.1095	1.9859	-0.4634
1.1955	-0.4686	0.4111	-0.5050	-0.9348	-0.8502	-0.0894
0.4140	1.4433	-1.9626	-0.6223	3.3768	-0.8664	0.3984
1.3130	1.4199	-0.7140	-0.7490	1.7228	-0.9887	0.5980
-0.3446	-1.2484	0.5865	0.7880	-1.6652	0.7431	-0.4530
-0.8950	-0.9402	-0.1475	0.5494	0.4705	0.2209	-0.1187
0.1126	0.1606	-0.2544	-0.0645	-0.0008	0.0960	0.0657

Columns 15 through 20

-0.9647	0.0524	-0.6342	0.2582	0.5244	0.5681
-0.3172	-0.7043	0.4390	-0.6340	0.0577	0.4523
0.3064	0.5177	-0.0089	0.3961	-0.0913	-0.8398

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0.3882	0.7140	0.1006	0.2790	-0.2441	-1.2592
-0.0256	2.5532	-1.6665	0.0617	-0.0511	-0.7774
-0.4123	-0.9849	0.5361	-0.3168	0.5318	0.5892
-0.2463	-0.6075	0.6263	0.1197	-0.0730	0.4419
-0.8894	-1.0641	-0.1434	-0.8588	0.8670	1.5286
0.4001	-1.1012	1.7878	-0.5715	-0.2221	-0.7138
-0.1229	-0.1927	-0.4895	-0.6608	0.6747	0.7064
-0.1022	0.1845	0.4400	-0.3531	-0.1315	-0.0328
0.7078	-0.2023	0.8175	0.6368	-1.6126	-0.7034
1.3533	1.2611	-0.3801	0.6271	-0.4929	-1.7570
-0.0430	1.3187	-0.8432	0.0707	-0.3538	0.3463
0.9343	0.3801	0.0775	0.5652	-0.9896	-1.0071
-0.5570	-1.6813	0.0168	-0.6307	0.5147	2.7030
-0.3321	-0.7435	0.1712	-0.3105	0.5681	-0.0043
0.5674	0.6468	-0.3809	0.4741	-0.0977	-0.7822
-0.3839	0.2812	-0.3818	0.3550	0.6748	0.3241
-0.1024	-0.4366	0.1259	0.8097	-0.1512	0.0420

matrix dimension is 50

x =

Columns 1 through 7

0.2788	0.4057	0.6477	0.7910	0.4673	0.5453	0.0336
0.5178	0.0995	0.9192	0.8528	0.8822	0.7089	0.5314
0.2640	0.0402	0.6461	0.0051	0.2751	0.9290	0.7377
0.6188	0.3951	0.1835	0.8233	0.7136	0.0341	0.6935
0.4159	0.5979	0.8500	0.2835	0.1332	0.9151	0.5463
0.3185	0.0110	0.9784	0.1100	0.3433	0.5781	0.3251
0.3005	0.3004	0.3249	0.4187	0.5217	0.1404	0.5789
0.4633	0.3475	0.2544	0.1605	0.3307	0.3090	0.8974
0.8224	0.6882	0.5686	0.0555	0.6948	0.2479	0.8902
0.4493	0.3368	0.7329	0.7654	0.8591	0.0473	0.3038
0.9577	0.1268	0.6293	0.8608	0.9135	0.1986	0.2644
0.4484	0.5330	0.0275	0.7920	0.8704	0.2981	0.6676
0.0692	0.9042	0.2958	0.2972	0.7704	0.9896	0.3079
0.1911	0.2827	0.1209	0.8636	0.7473	0.9734	0.6345
0.5572	0.5276	0.1437	0.7322	0.7042	0.5002	0.5603
0.9471	0.7948	0.7329	0.0609	0.5986	0.5895	0.0997
0.6150	0.3045	0.4611	0.6673	0.6792	0.7323	0.3814
0.8137	0.0146	0.5336	0.0726	0.2997	0.9955	0.5676
0.5646	0.7450	0.2892	0.0970	0.5404	0.9520	0.0502
0.5378	0.2848	0.8404	0.5162	0.9266	0.0046	0.4800
0.0090	0.9280	0.1585	0.7319	0.7055	0.8903	0.0233
0.2888	0.0058	0.0229	0.2842	0.7713	0.2439	0.4398
0.6550	0.4718	0.5994	0.9849	0.5766	0.0869	0.2423
0.8718	0.1377	0.6485	0.5794	0.9629	0.8975	0.8114
0.7129	0.2857	0.4890	0.9373	0.0307	0.8991	0.4393
0.7340	0.5382	0.9933	0.2386	0.5285	0.2602	0.8878
0.7539	0.3375	0.5131	0.8449	0.2678	0.7456	0.1043
0.0626	0.8137	0.3829	0.4518	0.1930	0.3984	0.9369
0.7784	0.5233	0.5461	0.0624	0.1739	0.6881	0.3735
0.0166	0.1861	0.0740	0.0758	0.1839	0.0023	0.1615
0.3495	0.8805	0.8329	0.7874	0.2959	0.8404	0.0148

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0.6679	0.0556	0.2539	0.1073	0.3776	0.7917	0.3663
0.5826	0.5375	0.1702	0.9895	0.6343	0.2742	0.4299
0.7936	0.6315	0.4714	0.4993	0.3800	0.8475	0.4266
0.0801	0.8805	0.2317	0.7409	0.4639	0.3018	0.0171
0.0759	0.7542	0.3048	0.3527	0.7557	0.1424	0.3075
0.4994	0.3740	0.4978	0.0731	0.2556	0.6970	0.2703
0.1749	0.8469	0.8435	0.8236	0.6816	0.2073	0.8672
0.0883	0.4936	0.8238	0.2419	0.0406	0.1873	0.7181
0.2123	0.1319	0.0571	0.0565	0.4541	0.3729	0.2299
0.5524	0.4610	0.1436	0.0585	0.7970	0.7149	0.3139
0.0887	0.1153	0.2569	0.7091	0.5658	0.4245	0.9790
0.0761	0.2877	0.8895	0.4274	0.6074	0.2988	0.9415
0.9399	0.4052	0.2484	0.6982	0.7519	0.6776	0.7730
0.5081	0.0701	0.3728	0.8403	0.6743	0.3351	0.8311
0.9834	0.3907	0.3086	0.3770	0.7316	0.9481	0.0558
0.7191	0.7649	0.4257	0.5328	0.3620	0.1147	0.1423
0.7132	0.9348	0.1272	0.7469	0.8953	0.9133	0.5043
0.2939	0.9387	0.7771	0.3997	0.9717	0.9219	0.6743
0.9451	0.3101	0.2081	0.7657	0.0113	0.0138	0.1758

Columns 8 through 14

0.3902	0.4665	0.6545	0.8364	0.3673	0.1771	0.6687
0.9185	0.2558	0.2767	0.0844	0.5408	0.2728	0.1402
0.9623	0.8368	0.8586	0.6950	0.5488	0.6778	0.0966
0.7601	0.2913	0.3912	0.3430	0.1065	0.4476	0.9741
0.0730	0.1161	0.7252	0.7530	0.4854	0.8972	0.1483
0.4230	0.3825	0.2825	0.1313	0.3752	0.2837	0.3561
0.1779	0.2128	0.3918	0.7210	0.5343	0.5580	0.1702
0.2600	0.5086	0.2797	0.0250	0.7620	0.2979	0.7734
0.4167	0.5200	0.5657	0.4046	0.5708	0.9450	0.7536
0.2326	0.9190	0.3770	0.8582	0.1620	0.7563	0.2008
0.1711	0.9452	0.1294	0.8215	0.1965	0.5761	0.8866
0.4347	0.9503	0.1526	0.3335	0.0303	0.4360	0.4401
0.2250	0.4964	0.7074	0.6521	0.4912	0.8101	0.4387
0.9474	0.5764	0.2677	0.3905	0.1170	0.6218	0.6839
0.3775	0.9901	0.8351	0.4421	0.5537	0.3617	0.1116
0.3593	0.5690	0.1707	0.6011	0.3691	0.0586	0.5538
0.9912	0.6140	0.6771	0.9889	0.4138	0.7488	0.9701
0.3259	0.1500	0.2430	0.0746	0.3054	0.9990	0.6033
0.8923	0.3071	0.6474	0.3563	0.3697	0.5843	0.6539
0.3700	0.7262	0.3343	0.2061	0.2917	0.2045	0.6686
0.0024	0.5641	0.4617	0.4032	0.8736	0.7666	0.4341
0.7609	0.1457	0.7065	0.3612	0.6431	0.9940	0.5100
0.4267	0.5516	0.3567	0.7868	0.7513	0.3246	0.2300
0.1302	0.6252	0.3076	0.5454	0.8187	0.7406	0.5514
0.8520	0.6835	0.7408	0.7097	0.8100	0.7513	0.5903
0.4705	0.6736	0.7839	0.5250	0.3898	0.7352	0.8129
0.0130	0.2939	0.5356	0.5840	0.0442	0.6745	0.8159
0.9390	0.1421	0.2139	0.2203	0.0241	0.9903	0.2150
0.3774	0.9633	0.3835	0.6826	0.8719	0.4399	0.7021
0.8673	0.5705	0.6013	0.3342	0.9060	0.7040	0.8802
0.8729	0.2049	0.8087	0.6895	0.3169	0.8693	0.2652
0.0217	0.2638	0.0951	0.9751	0.7609	0.0642	0.8423

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0.8739	0.0908	0.7677	0.7057	0.6489	0.1863	0.8050
0.8703	0.6785	0.8734	0.5990	0.8230	0.0056	0.3658
0.1072	0.9415	0.8310	0.1713	0.8515	0.8651	0.7320
0.9592	0.1532	0.9171	0.8430	0.2773	0.5605	0.5689
0.4147	0.6673	0.4092	0.4900	0.1145	0.0894	0.3170
0.9172	0.7816	0.8835	0.2596	0.6093	0.4241	0.3267
0.5358	0.9012	0.4776	0.2040	0.1562	0.0510	0.3972
0.2485	0.5092	0.0313	0.9173	0.0533	0.2014	0.1013
0.7819	0.3836	0.9578	0.7741	0.3755	0.1444	0.2712
0.6009	0.7518	0.5529	0.8009	0.9358	0.4606	0.0306
0.2036	0.4533	0.2841	0.1287	0.2033	0.8012	0.6619
0.3763	0.5704	0.3991	0.3334	0.4296	0.1117	0.9065
0.0654	0.3234	0.3199	0.3391	0.5034	0.3835	0.3757
0.9875	0.2684	0.7840	0.2256	0.2003	0.8431	0.2578
0.5163	0.7309	0.0057	0.9966	0.6276	0.4336	0.8756
0.9458	0.0073	0.7348	0.2276	0.0187	0.9913	0.7462
0.2170	0.6483	0.6060	0.2722	0.8178	0.3634	0.2665
0.6867	0.2045	0.6659	0.3484	0.3378	0.7710	0.3634

Columns 15 through 21

0.7745	0.4473	0.1669	0.7813	0.9905	0.9114	0.6834
0.8502	0.1586	0.5316	0.5966	0.0393	0.7073	0.2062
0.6682	0.5832	0.2013	0.1745	0.7413	0.1207	0.8884
0.2766	0.9546	0.1572	0.0805	0.5869	0.6404	0.6186
0.2148	0.8472	0.7569	0.8288	0.9566	0.1489	0.0357
0.5359	0.0863	0.9147	0.1535	0.3999	0.0815	0.8494
0.6382	0.8574	0.2198	0.0615	0.5136	0.7448	0.1399
0.0400	0.9427	0.1687	0.5899	0.7933	0.1929	0.2307
0.9373	0.9913	0.7992	0.4656	0.3954	0.0007	0.3756
0.7697	0.8105	0.6114	0.4624	0.1607	0.0216	0.2031
0.3936	0.2480	0.7735	0.9093	0.5695	0.4022	0.6674
0.6377	0.2663	0.5539	0.1594	0.5972	0.5911	0.1253
0.5645	0.1055	0.2936	0.7940	0.8209	0.0471	0.8374
0.3518	0.2897	0.5906	0.6727	0.9934	0.0032	0.7028
0.2149	0.1613	0.1637	0.9190	0.3426	0.5764	0.2941
0.9961	0.7347	0.3714	0.5617	0.0006	0.3505	0.7530
0.7046	0.4427	0.9020	0.2014	0.0630	0.1623	0.8356
0.5253	0.7415	0.4105	0.2551	0.4660	0.6232	0.2716
0.4140	0.9992	0.8301	0.6222	0.9872	0.5510	0.5248
0.2096	0.8247	0.9734	0.3760	0.0395	0.8494	0.0100
0.8053	0.5769	0.5610	0.3590	0.3666	0.4014	0.7423
0.4037	0.4926	0.6838	0.0287	0.1700	0.0540	0.9675
0.1029	0.2337	0.5458	0.7674	0.8667	0.9981	0.9761
0.8733	0.1537	0.7491	0.2374	0.6382	0.0433	0.6635
0.6159	0.7182	0.6434	0.6659	0.8871	0.1260	0.4198
0.6239	0.6006	0.1459	0.7485	0.7649	0.4581	0.0085
0.2970	0.5142	0.8380	0.7284	0.4853	0.8023	0.3629
0.6840	0.8416	0.1301	0.8143	0.0685	0.4037	0.6896
0.4248	0.2837	0.6866	0.7401	0.5179	0.7548	0.4046
0.7309	0.5010	0.9403	0.6445	0.4062	0.3398	0.2369
0.6329	0.1069	0.4554	0.0990	0.5817	0.3439	0.9567
0.9148	0.3279	0.1114	0.9994	0.9664	0.6121	0.2465
0.2658	0.6567	0.0616	0.4181	0.9626	0.9406	0.0381

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0.0082	0.8768	0.7762	0.0760	0.9984	0.1772	0.2633
0.7279	0.7621	0.0027	0.7413	0.5135	0.1176	0.8071
0.8097	0.8119	0.6068	0.9997	0.7220	0.4587	0.7966
0.3766	0.4783	0.3569	0.5490	0.1458	0.9764	0.1268
0.3197	0.2848	0.3946	0.5931	0.1868	0.7935	0.1283
0.8933	0.4535	0.3966	0.1544	0.2377	0.1570	0.0652
0.4677	0.2873	0.4193	0.6367	0.9196	0.7900	0.8300
0.9221	0.3574	0.8270	0.5461	0.0817	0.7172	0.5866
0.6723	0.6131	0.7261	0.2844	0.6959	0.3056	0.3393
0.1247	0.4145	0.9052	0.6577	0.1887	0.1436	0.7577
0.4556	0.9214	0.7826	0.9942	0.8171	0.9929	0.6781
0.3372	0.3211	0.3269	0.5099	0.3244	0.7731	0.2704
0.8050	0.7510	0.2017	0.2052	0.8004	0.5132	0.6137
0.5262	0.2054	0.6550	0.6324	0.8159	0.3782	0.4762
0.0976	0.3037	0.1089	0.6831	0.3170	0.2663	0.2008
0.4545	0.2687	0.8860	0.4551	0.2033	0.5968	0.5885
0.9618	0.6931	0.5873	0.0844	0.1615	0.1079	0.8599

Columns 22 through 28

0.7396	0.9984	0.6269	0.4621	0.2010	0.6354	0.4176
0.8484	0.7268	0.5122	0.9421	0.2571	0.1530	0.8162
0.5146	0.2866	0.8445	0.3305	0.0096	0.1633	0.8410
0.3411	0.5916	0.8010	0.8889	0.3393	0.8113	0.0841
0.1812	0.7491	0.4957	0.0318	0.7494	0.8229	0.9698
0.0818	0.4502	0.8671	0.7122	0.2816	0.8776	0.1511
0.4631	0.0411	0.4971	0.8561	0.0039	0.1190	0.7760
0.0913	0.9557	0.9618	0.2891	0.0305	0.6412	0.5024
0.5895	0.4831	0.0728	0.6205	0.6915	0.5624	0.7252
0.8403	0.0832	0.3774	0.9803	0.2722	0.8570	0.7815
0.0406	0.0532	0.5909	0.5076	0.0987	0.7477	0.9521
0.3848	0.6309	0.2159	0.8116	0.3815	0.0308	0.6086
0.5299	0.3049	0.6764	0.6891	0.6333	0.8535	0.3043
0.6483	0.7402	0.6671	0.0366	0.3410	0.4687	0.8954
0.1093	0.5629	0.7549	0.1127	0.6309	0.4859	0.3578
0.7577	0.7125	0.7812	0.9870	0.6531	0.5158	0.1184
0.3941	0.6457	0.6158	0.2596	0.9167	0.3885	0.3612
0.0353	0.3069	0.8099	0.0718	0.7182	0.3843	0.4366
0.0626	0.5436	0.2901	0.0159	0.1129	0.2048	0.7065
0.0100	0.7975	0.2602	0.4993	0.6850	0.1088	0.8945
0.5759	0.6781	0.0602	0.2128	0.2378	0.7150	0.1099
0.7613	0.9739	0.7219	0.8027	0.8782	0.0223	0.8723
0.0871	0.6602	0.4461	0.5695	0.6296	0.9977	0.0873
0.0629	0.2466	0.1239	0.3298	0.0565	0.0759	0.2157
0.6401	0.4508	0.7085	0.5162	0.6997	0.3923	0.0075
0.9049	0.2519	0.9819	0.4134	0.4305	0.3321	0.3948
0.4100	0.7605	0.4392	0.5430	0.2346	0.6536	0.6740
0.7817	0.5222	0.1717	0.9695	0.6637	0.4933	0.7896
0.5060	0.1086	0.0080	0.0748	0.5914	0.0233	0.5192
0.2624	0.6863	0.2772	0.0472	0.7556	0.0407	0.5555
0.3792	0.6626	0.4472	0.2751	0.3270	0.4039	0.4935
0.4725	0.9057	0.0403	0.6171	0.7325	0.4691	0.9353
0.7198	0.4898	0.0571	0.3972	0.0294	0.9538	0.8918
0.5795	0.4633	0.0439	0.7068	0.1086	0.2890	0.5836

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0.4676	0.6634	0.6554	0.3875	0.8783	0.6584	0.5146
0.2588	0.9375	0.0314	0.1256	0.3284	0.6672	0.3504
0.6434	0.3269	0.8612	0.3560	0.9815	0.0100	0.1690
0.0383	0.0232	0.1961	0.8380	0.5922	0.7161	0.6473
0.0606	0.7731	0.2310	0.7190	0.2595	0.4718	0.1508
0.7397	0.0849	0.0937	0.5666	0.3523	0.0881	0.1324
0.0218	0.5356	0.9155	0.2797	0.4874	0.4547	0.1039
0.6491	0.7984	0.1629	0.5853	0.2767	0.3696	0.8206
0.8880	0.5475	0.3534	0.3892	0.8021	0.9457	0.1069
0.8998	0.8028	0.0814	0.1732	0.2659	0.2459	0.3604
0.2941	0.3156	0.5966	0.0242	0.1904	0.7934	0.7578
0.8128	0.3965	0.3863	0.9146	0.7432	0.9038	0.8680
0.5675	0.4707	0.4711	0.8462	0.6795	0.9074	0.0767
0.9330	0.2640	0.9867	0.8708	0.7009	0.2256	0.5666
0.7985	0.7773	0.1638	0.7523	0.1640	0.3341	0.3459
0.2767	0.4941	0.9447	0.6121	0.3853	0.0169	0.1715

Columns 29 through 35

0.8278	0.4658	0.0864	0.6045	0.5670	0.1043	0.1488
0.5924	0.1493	0.7771	0.6172	0.0122	0.9563	0.9958
0.8151	0.3727	0.1283	0.7827	0.3121	0.1749	0.2721
0.3415	0.4035	0.1145	0.5450	0.8728	0.5092	0.1506
0.9019	0.5587	0.5651	0.4740	0.1672	0.4229	0.7470
0.1163	0.7948	0.9682	0.3317	0.8644	0.6344	0.1667
0.5915	0.2663	0.4237	0.2805	0.6608	0.5468	0.7986
0.6453	0.3632	0.4989	0.8504	0.1092	0.1291	0.7638
0.0605	0.1206	0.7864	0.2113	0.9738	0.4952	0.0868
0.8133	0.5172	0.5840	0.1352	0.2044	0.5004	0.9828
0.9586	0.7952	0.4699	0.5628	0.5428	0.4275	0.6731
0.7587	0.9033	0.4731	0.6869	0.0191	0.6037	0.2863
0.4919	0.1405	0.3394	0.3626	0.5787	0.0876	0.2694
0.5930	0.2266	0.6278	0.6869	0.4358	0.2154	0.5062
0.3728	0.3066	0.1254	0.3446	0.1918	0.3624	0.5721
0.1481	0.5037	0.5577	0.8291	0.9305	0.2302	0.1918
0.2918	0.2206	0.9179	0.6609	0.8077	0.1402	0.5924
0.6369	0.3736	0.3373	0.3553	0.6674	0.7179	0.4330
0.4493	0.3819	0.3277	0.0816	0.3010	0.2840	0.1271
0.8669	0.7361	0.5766	0.6007	0.0569	0.5674	0.1596
0.6937	0.8104	0.6882	0.8972	0.0702	0.1015	0.2169
0.6038	0.7512	0.6261	0.9530	0.6720	0.9459	0.2940
0.3906	0.2026	0.9298	0.4309	0.5452	0.3649	0.7806
0.4719	0.0520	0.3314	0.9217	0.4850	0.6351	0.3238
0.2889	0.9712	0.4169	0.5602	0.5643	0.9659	0.5711
0.9746	0.0108	0.3358	0.9354	0.8088	0.5343	0.6243
0.0812	0.5114	0.2378	0.0005	0.7955	0.0326	0.3374
0.4280	0.1455	0.4002	0.4324	0.1122	0.3340	0.9971
0.0816	0.5375	0.9539	0.6052	0.5011	0.0839	0.7143
0.8528	0.8955	0.1932	0.7902	0.0698	0.7880	0.6060
0.8839	0.4539	0.6082	0.9733	0.8669	0.4029	0.3545
0.2263	0.1687	0.1546	0.8469	0.8788	0.1303	0.1937
0.4789	0.3759	0.2567	0.9977	0.8912	0.7086	0.2203
0.6386	0.2676	0.7996	0.6473	0.6370	0.6615	0.0608
0.4062	0.9861	0.2338	0.1565	0.7008	0.2788	0.7833

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0.0910	0.8990	0.3699	0.0277	0.3976	0.4935	0.1742
0.7014	0.6307	0.3174	0.9474	0.7800	0.7419	0.2021
0.7838	0.3103	0.8857	0.1042	0.2790	0.4692	0.0672
0.6851	0.5589	0.0279	0.5611	0.1268	0.8873	0.7868
0.6995	0.7742	0.6302	0.7653	0.8599	0.3593	0.2138
0.3308	0.0822	0.2323	0.5397	0.9895	0.7591	0.2276
0.6733	0.7278	0.7130	0.4719	0.6543	0.0740	0.7292
0.8209	0.4527	0.0759	0.7076	0.0500	0.0108	0.7127
0.8842	0.1448	0.9703	0.2753	0.8284	0.5855	0.2290
0.7827	0.0879	0.4041	0.4698	0.9197	0.8570	0.3995
0.4662	0.8970	0.8307	0.8645	0.0857	0.5797	0.5873
0.7880	0.4540	0.2858	0.5883	0.9262	0.9533	0.4951
0.2741	0.8887	0.0150	0.9867	0.8879	0.3382	0.9570
0.0674	0.4053	0.5761	0.9406	0.2427	0.3167	0.8918
0.9844	0.5513	0.0576	0.9472	0.3998	0.7385	0.7238

Columns 36 through 42

0.0911	0.0850	0.0875	0.6486	0.1434	0.3262	0.9127
0.3156	0.1765	0.2679	0.0304	0.9215	0.7714	0.4717
0.1807	0.6423	0.0998	0.9947	0.4231	0.9074	0.9861
0.1046	0.9293	0.3973	0.5715	0.1286	0.3516	0.0873
0.2804	0.8360	0.6504	0.8153	0.0734	0.3883	0.6037
0.9920	0.3397	0.9437	0.3158	0.5700	0.1588	0.0383
0.4391	0.0271	0.2498	0.1127	0.1381	0.8469	0.2939
0.2030	0.2299	0.3104	0.0586	0.1207	0.2131	0.4853
0.7412	0.6426	0.6130	0.8789	0.3801	0.0005	0.1687
0.9762	0.5442	0.7022	0.0765	0.9952	0.9615	0.6089
0.5044	0.2809	0.2876	0.5051	0.3508	0.9761	0.5046
0.9581	0.3642	0.1871	0.1711	0.9075	0.7928	0.7856
0.9241	0.5964	0.5285	0.0910	0.4696	0.1848	0.1409
0.5143	0.8324	0.2784	0.0827	0.2644	0.1490	0.3442
0.3523	0.7174	0.4489	0.2545	0.2543	0.2586	0.1453
0.6353	0.1323	0.0394	0.5910	0.1596	0.6162	0.4884
0.2747	0.2236	0.9376	0.2784	0.5601	0.9444	0.4699
0.3395	0.2168	0.1181	0.2332	0.1938	0.4537	0.8405
0.7991	0.2573	0.5240	0.2057	0.0985	0.2820	0.5326
0.2379	0.8900	0.7827	0.3168	0.3003	0.0118	0.8173
0.1902	0.7352	0.3255	0.9408	0.2313	0.1034	0.7545
0.8732	0.5103	0.6189	0.3672	0.6059	0.8682	0.0390
0.0107	0.4643	0.0756	0.0362	0.4782	0.1462	0.1044
0.8127	0.0289	0.0391	0.2925	0.9290	0.7011	0.2901
0.4648	0.4250	0.0744	0.8495	0.4319	0.6468	0.5447
0.3963	0.2618	0.8505	0.4735	0.6113	0.2081	0.1215
0.4155	0.3675	0.8101	0.5127	0.0762	0.3836	0.6057
0.3052	0.1694	0.3177	0.2143	0.0251	0.7938	0.6601
0.4785	0.7329	0.7228	0.9237	0.1336	0.7729	0.3606
0.3045	0.3149	0.8482	0.1655	0.1480	0.7817	0.2666
0.3026	0.6564	0.0616	0.2861	0.4761	0.5098	0.8889
0.8302	0.6628	0.6634	0.0040	0.4109	0.2569	0.3751
0.4977	0.5259	0.8229	0.4362	0.7793	0.5998	0.6744
0.6175	0.5708	0.1044	0.3845	0.5893	0.5646	0.3238
0.6739	0.7754	0.0937	0.9920	0.2193	0.3545	0.8092
0.1978	0.9375	0.5976	0.2629	0.8883	0.1611	0.0892

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0.4135	0.9631	0.6444	0.2056	0.9173	0.5233	0.3407
0.5948	0.0138	0.0711	0.0948	0.6447	0.1548	0.5008
0.3864	0.0373	0.9567	0.1389	0.3887	0.9051	0.1318
0.6103	0.9546	0.1134	0.9295	0.9429	0.7005	0.9656
0.0162	0.3735	0.0043	0.8094	0.6120	0.9339	0.4086
0.5168	0.5843	0.6308	0.8709	0.8469	0.5262	0.9712
0.5405	0.5759	0.8519	0.8620	0.1779	0.2747	0.6371
0.9376	0.4125	0.4461	0.2243	0.9126	0.2306	0.4606
0.9394	0.5298	0.8742	0.6874	0.1626	0.3116	0.2516
0.4176	0.3707	0.8192	0.2998	0.1313	0.3657	0.1780
0.2932	0.8390	0.1774	0.7690	0.2764	0.9945	0.5890
0.0061	0.5780	0.1138	0.8295	0.3463	0.1530	0.1595
0.3508	0.1191	0.4534	0.7926	0.0884	0.8324	0.4017
0.5014	0.7180	0.9326	0.6102	0.1920	0.2738	0.6382

Columns 43 through 49

0.7007	0.0481	0.3757	0.1799	0.3609	0.4890	0.2288
0.4479	0.2024	0.0887	0.7814	0.9241	0.1545	0.9059
0.2752	0.8305	0.9795	0.6762	0.4391	0.8755	0.9535
0.0671	0.3234	0.6772	0.5396	0.3771	0.8848	0.5015
0.5191	0.8883	0.8288	0.6213	0.4748	0.6593	0.3321
0.5559	0.1321	0.9626	0.2623	0.0846	0.0270	0.1945
0.8087	0.9538	0.6312	0.3122	0.4779	0.9580	0.0791
0.6083	0.2311	0.0285	0.8537	0.7713	0.6460	0.1636
0.5073	0.0540	0.4957	0.0591	0.1498	0.0900	0.6329
0.5421	0.5938	0.1837	0.3364	0.3036	0.2820	0.7584
0.4537	0.9056	0.6144	0.9425	0.9849	0.7670	0.4861
0.2713	0.8288	0.3784	0.1302	0.3962	0.1959	0.2674
0.8292	0.9246	0.6330	0.7564	0.6637	0.0249	0.6215
0.4728	0.4110	0.8471	0.0666	0.7719	0.1317	0.8400
0.6436	0.5624	0.7514	0.9480	0.6138	0.3490	0.1982
0.5967	0.6617	0.3755	0.6537	0.1780	0.6895	0.7870
0.1359	0.1582	0.6880	0.1032	0.0195	0.0956	0.5384
0.2486	0.8625	0.0527	0.4003	0.1978	0.4992	0.5090
0.3288	0.4072	0.8051	0.5702	0.5494	0.1320	0.5570
0.0549	0.8019	0.7252	0.6320	0.3105	0.6268	0.3190
0.7206	0.1832	0.0356	0.2698	0.2018	0.5439	0.4113
0.7914	0.9877	0.5017	0.7401	0.4994	0.6038	0.9045
0.9782	0.8599	0.9281	0.3738	0.6092	0.8045	0.8663
0.0992	0.8238	0.2480	0.7730	0.8078	0.5224	0.9225
0.6991	0.4056	0.9211	0.7427	0.6154	0.1010	0.5637
0.1358	0.0686	0.1519	0.9440	0.4056	0.6784	0.1863
0.3156	0.6107	0.2299	0.0978	0.4711	0.8185	0.6766
0.4129	0.9910	0.8359	0.3194	0.0073	0.3760	0.3573
0.0257	0.4366	0.7824	0.0006	0.4366	0.0001	0.1802
0.6190	0.1586	0.6999	0.4979	0.1604	0.0163	0.4135
0.5009	0.8868	0.8479	0.9684	0.4692	0.2595	0.8010
0.3448	0.1637	0.1296	0.0240	0.8164	0.9428	0.2513
0.0078	0.0017	0.1615	0.4999	0.5471	0.4009	0.6650
0.6879	0.8644	0.2017	0.4162	0.0414	0.1499	0.1770
0.3500	0.9740	0.5321	0.8272	0.2798	0.3050	0.4321
0.9821	0.7216	0.8775	0.7187	0.0527	0.1657	0.0958
0.8166	0.7207	0.5879	0.0420	0.3516	0.3741	0.3010

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0.4366	0.5499	0.3259	0.7646	0.1404	0.6642	0.7197
0.5726	0.6020	0.6857	0.1830	0.3598	0.7317	0.3835
0.9713	0.1061	0.0755	0.5961	0.2021	0.1350	0.4384
0.9351	0.6886	0.2872	0.5995	0.2913	0.2484	0.0091
0.5381	0.8256	0.5927	0.8473	0.7497	0.9764	0.1725
0.9178	0.7880	0.1732	0.8594	0.7900	0.7038	0.0832
0.7612	0.1003	0.2110	0.1531	0.9941	0.4276	0.6551
0.9787	0.9155	0.8915	0.7355	0.8769	0.1438	0.4349
0.4192	0.3620	0.8780	0.8636	0.2067	0.4585	0.6425
0.1847	0.3247	0.1856	0.9494	0.2103	0.6003	0.5179
0.8873	0.9567	0.3018	0.3832	0.9426	0.7541	0.1316
0.9736	0.0908	0.3493	0.0935	0.6669	0.1862	0.4293
0.8539	0.7538	0.1770	0.1990	0.0898	0.8230	0.9934

Column 50

0.3807
0.8389
0.0487
0.1798
0.7032
0.2979
0.4232
0.5338
0.7716
0.2380
0.6256
0.7180
0.2189
0.4893
0.8859
0.9996
0.7866
0.1628
0.6269
0.3264
0.5995
0.7486
0.8625
0.0615
0.6073
0.4151
0.4141
0.3730
0.2426
0.5076
0.9781
0.4579
0.9763
0.0436
0.5522
0.8754
0.2995
0.0629

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0.5940  
0.1907  
0.2957  
0.2354  
0.6308  
0.0378  
0.4491  
0.2137  
0.3878  
0.0337  
0.9445  
0.4594

ans =

5.0583e+05

ans =

Columns 1 through 7

1.5976	0.3278	-0.4157	-0.5899	0.2900	0.6711	1.1353
-1.1478	-0.4858	0.2722	0.2510	-0.0926	-0.8235	-1.0942
4.9527	1.0063	-2.2314	-1.3931	0.6048	1.6585	3.4678
4.3654	0.9598	-2.3129	-1.2252	0.6112	1.3773	3.3355
7.9281	1.5676	-3.3768	-2.6979	1.0853	3.1878	6.4505
-6.4740	-1.0262	2.9403	2.2583	-0.7219	-2.2968	-5.0563
-6.8802	-1.5836	2.9140	2.7676	-0.7006	-2.8626	-5.7130
3.1789	0.6928	-1.4385	-0.8928	0.0938	1.1502	2.0405
-1.6680	-0.6313	0.6460	0.3974	-0.9013	-0.9223	-1.7625
-0.5838	-0.2372	0.4348	0.0809	0.1552	0.1361	0.1429
-12.7062	-3.0706	5.5237	4.4966	-1.7796	-5.4013	-10.7746
1.5113	0.4925	-0.4429	-0.3824	0.1904	0.7159	1.1256
5.6426	1.0056	-2.4094	-1.8973	0.3989	2.2256	4.2370
-4.9987	-0.6393	2.7696	1.2030	-0.6698	-1.5838	-2.9394
1.2623	0.4389	-0.7844	-0.2633	0.1664	0.2799	1.1619
-0.9955	-0.3311	0.0037	0.8446	-0.1608	-0.7747	-1.2056
-5.6412	-1.1925	2.1711	1.9420	-0.5888	-2.0195	-4.2479
8.6055	1.7992	-3.8318	-3.0660	1.2769	3.7122	6.8171
7.7599	1.5929	-3.5714	-2.7034	1.1100	2.7614	6.2976
-7.9074	-1.5721	3.4089	3.1483	-1.1848	-3.2484	-6.6011
-7.6371	-1.8183	3.2001	2.7936	-1.2588	-3.2151	-6.6670
-1.5878	-0.3867	0.9435	0.1854	-0.3495	-0.5773	-0.8872
0.8388	0.0773	-0.2110	-0.0499	0.1068	0.2287	-0.0976
0.0331	0.0210	0.0041	0.0062	0.0636	-0.0396	-0.0171
-1.7891	0.0101	0.9124	0.8861	-0.2334	-0.3709	-1.3545
1.0172	0.1275	-0.7980	-0.2188	0.3163	-0.1491	0.5162
-3.6091	-0.8906	1.6634	1.3011	-0.4658	-1.2102	-3.0747
-7.3630	-1.5191	3.2059	2.3712	-1.0219	-3.2436	-6.1842
-4.9162	-0.7326	2.3527	2.3825	-0.1877	-1.7724	-4.3649
-5.2849	-1.3818	2.0304	2.4039	-0.5749	-2.2415	-4.9384
7.5524	1.6390	-3.4489	-3.0183	1.0528	3.1298	6.6245

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1.3172	-0.0643	-0.8447	-0.5193	0.0800	0.5567	0.9437
2.3611	0.3122	-1.4139	-0.4751	0.2049	1.0064	1.6101
-2.5536	-0.8334	1.0902	0.1148	-0.6733	-0.8871	-1.8024
-11.1823	-2.1451	4.9399	3.7327	-1.2641	-3.9607	-8.5516
-2.0434	-0.5614	0.9218	0.7190	-0.1276	-0.3495	-1.4189
2.5641	0.8399	-1.0630	-0.6187	0.5019	1.2744	2.5981
6.9903	1.4148	-3.2572	-2.6087	0.6948	2.4860	5.3469
-1.4706	-0.0334	0.8884	0.5684	0.0318	-0.6343	-1.5032
-3.2758	-0.3024	1.8147	0.8014	-0.2884	-1.0112	-2.4851
13.9460	3.0199	-6.1217	-4.5199	2.1350	5.3037	11.3790
8.2807	1.4998	-3.2402	-3.8288	0.8152	3.5771	7.3732
5.5844	1.2408	-2.1885	-2.3694	0.5576	2.0339	4.8828
1.0697	0.2520	-0.5468	-0.4800	0.0302	0.2885	0.7990
1.6722	0.4403	-0.0763	-0.9501	0.4789	1.3302	2.2046
-2.8489	-0.4187	1.1056	0.8443	-0.4203	-1.2085	-2.0063
2.0335	0.2522	-1.2752	-0.4297	-0.0242	0.2548	1.0833
4.9718	0.9876	-1.9219	-2.3442	0.7296	2.3977	5.0071
-2.5322	-0.4365	1.2063	0.9842	-0.1402	-1.2066	-2.1663
-2.1923	-0.1207	0.9843	0.6945	-0.1703	-0.6163	-1.3613

Columns 8 through 14

0.5270	1.1586	-0.1138	-0.6597	-0.6455	-0.1208	-0.0448
0.0829	-0.6649	-0.2116	0.8639	0.7809	-0.0526	-0.2297
1.3739	2.6874	-0.1408	-2.0040	-2.9960	-0.3707	1.3345
1.3030	2.4338	-0.5626	-1.6209	-2.5872	-0.3536	1.4472
1.9016	4.5429	-0.3524	-3.8485	-4.7645	0.0708	2.2607
-2.1267	-3.8879	0.2694	2.9534	3.6819	0.2191	-1.9089
-2.0555	-4.1470	0.1929	3.6195	4.2130	0.4634	-1.7765
0.7299	1.7133	0.0915	-1.4879	-1.9175	-0.2729	0.9431
-0.4255	-0.8488	0.3394	1.0461	0.8678	-0.1331	-0.2455
-0.3696	-0.3362	0.2124	-0.2290	0.2521	0.3474	-0.1453
-3.8366	-8.1230	1.4131	6.1068	7.6279	0.3675	-3.6088
0.3149	0.8888	-0.1988	-0.5570	-0.9067	0.2017	0.0163
1.7147	3.5703	0.1042	-2.8200	-3.2457	-0.3147	1.2218
-1.0224	-2.7267	0.0849	1.4565	3.1326	-0.0221	-1.5122
0.3497	0.8682	-0.2944	-0.4114	-0.6399	0.0998	0.6708
-0.2688	-0.6508	0.2855	0.9554	0.2667	-0.0452	-0.2513
-1.6965	-3.1789	0.2346	2.6930	3.3166	0.0419	-1.1517
2.1991	5.0487	-0.5340	-3.8839	-5.4329	0.1570	2.4362
2.3390	4.6408	-0.9742	-3.4585	-4.4294	-0.0016	2.5160
-2.3782	-4.9313	0.6581	3.6188	4.9830	-0.0714	-2.3755
-2.3248	-4.7926	0.2191	4.5688	4.3944	0.2368	-2.1096
-0.6045	-0.9724	0.0689	0.5220	1.0084	0.1000	-0.2060
0.2959	0.2265	0.3696	-0.7597	-0.1441	-0.2886	-0.1220
0.3483	-0.1720	-0.1247	0.1413	0.2285	0.0442	0.2406
-0.7424	-0.8157	0.0699	0.8503	1.1346	0.6759	-1.0105
0.2907	0.6202	-0.3992	-0.0928	-0.5527	-0.0661	0.3976
-1.0350	-2.0939	0.5928	1.6248	2.2116	0.0539	-1.0182
-1.8066	-4.2093	0.1848	4.1190	4.4459	-0.3140	-1.8518
-2.1863	-3.0378	0.3919	2.7446	3.1704	0.5931	-1.9649
-1.8903	-3.5711	0.4363	3.3224	3.1931	0.4045	-1.4956
2.5238	4.5590	-0.5452	-3.9302	-4.6489	0.0065	2.3854
0.6168	0.7083	0.0979	-0.7430	-0.8982	-0.2876	0.6530

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0.2752	1.5204	-0.1203	-0.7059	-1.8171	0.1501	0.7324
-0.7303	-1.5906	0.1775	1.1122	1.1968	-0.0005	-0.3870
-3.3457	-6.7862	1.0922	4.5137	6.5431	-0.1147	-3.0610
-0.6289	-1.5327	0.7353	0.0731	1.4591	-0.5968	-0.5461
0.8232	1.7384	-0.0290	-1.6569	-1.6886	-0.1067	0.8893
2.0939	4.1342	-0.8111	-2.8429	-4.4081	0.3744	1.8789
-0.5271	-0.8181	-0.0033	0.5374	1.1502	-0.2693	-0.7080
-0.5930	-1.5687	0.0354	1.2826	2.2345	-0.3133	-1.3796
4.2840	8.3097	-1.0891	-6.3821	-8.2571	-0.3721	3.8071
2.7695	5.1180	-0.5899	-4.4952	-5.0128	0.0329	2.3357
2.1934	3.6485	-0.5046	-2.9674	-3.2976	-0.5192	1.4677
0.1157	0.4936	-0.1366	-0.4443	-0.5740	0.4644	0.4145
0.5407	1.3278	-0.2231	-1.5763	-0.8440	-0.2054	0.1569
-0.4443	-1.6364	-0.0408	1.1240	1.4930	-0.1361	-0.7703
0.7051	1.2075	0.0525	-0.2424	-1.3496	0.4174	0.5796
1.6075	3.0910	-0.4855	-3.0009	-3.1965	-0.7224	1.6488
-0.7760	-1.4655	0.2079	1.0002	1.3551	0.3078	-0.5430
-0.9285	-0.9987	-0.1034	1.0940	1.3614	0.2160	-0.6486

Columns 15 through 21

2.0933	0.3783	-0.1560	-0.2678	-0.3678	0.0064	-0.1791
-2.0668	-0.5694	0.3223	-0.1243	0.5030	-0.5136	-0.4385
4.8174	0.6142	-0.8350	-0.8735	-0.2300	0.4337	-0.0215
4.4365	0.4128	-0.4861	-1.2788	-0.3432	0.1711	0.0978
9.2637	1.6375	-1.2344	-1.3069	-0.8420	1.4137	0.5176
-6.7575	-0.9672	1.3620	1.6122	0.7125	-0.8209	0.0635
-7.8557	-1.0879	1.1333	2.0352	0.1664	-1.0851	-0.8452
3.4970	0.6076	-0.6533	-0.3578	0.2577	0.2171	0.3196
-1.8561	-0.5803	0.0991	0.5211	0.4866	-0.1130	0.1470
0.1886	0.1519	-0.1610	0.0990	-0.7183	0.4333	-0.0564
-14.8840	-2.2045	2.2845	3.1482	1.5304	-1.3657	-0.6763
1.7237	0.3023	-0.2071	-0.0682	-0.1681	-0.0060	0.1627
6.5613	0.6098	-1.1688	-1.0533	-0.2416	0.6493	0.8219
-5.2424	-0.6766	1.4294	0.4277	0.1288	-0.2402	-0.0399
1.0229	0.2937	-0.3898	-0.3159	-0.3655	-0.0930	-0.0507
-1.6204	-0.2718	0.0912	0.3477	0.6205	-0.2006	0.0091
-6.3705	-0.9042	0.6650	0.9477	0.5325	-0.7533	-0.5320
10.3678	1.8377	-1.8436	-1.7254	-1.1318	1.3843	0.8025
8.1756	1.0374	-1.3233	-1.7208	-0.6808	0.7469	-0.0032
-9.1893	-1.4547	1.1711	1.8620	1.0886	-1.2395	-0.4218
-9.3062	-1.8804	1.3620	1.9445	0.9792	-1.1645	-0.7296
-1.7329	-0.0098	0.1054	0.3094	-0.2628	-0.1434	-0.1894
0.8198	0.1734	-0.1525	-0.0809	0.0719	0.1000	0.1353
-0.5335	-0.1156	0.0700	-0.1649	0.1374	-0.2286	-0.2383
-1.5630	-0.2119	0.2358	0.4074	0.0069	0.1429	0.1872
0.4095	-0.1681	0.1845	-0.2626	0.1091	-0.1629	-0.4988
-4.0108	-0.4870	0.3613	0.9307	0.1859	-0.5852	-0.0545
-9.1863	-1.8617	1.4380	1.2290	1.0157	-1.3388	-0.8560
-5.2026	-0.4720	0.8701	1.6782	0.3452	-0.8019	0.0353
-6.3646	-0.6709	0.6015	2.0619	0.2969	-0.9522	-0.5973
8.7812	1.4747	-1.2937	-1.8200	-1.1299	1.3599	0.8067
1.3952	0.2696	-0.5067	-0.6299	-0.1690	0.3743	0.2314
2.8939	0.6103	-0.6344	0.0804	-0.3423	0.2361	0.0505

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-2.8528	-0.8429	0.2295	0.6955	0.2636	0.3759	0.0723
-11.9934	-1.6501	2.0232	2.4034	1.0739	-1.2149	-0.6435
-1.8116	-0.0185	0.2254	0.1021	0.6010	-0.3279	0.0145
3.6496	0.5043	-0.6372	-0.6906	-0.6119	0.3977	0.2497
7.5654	0.8788	-0.9403	-1.3648	-0.5122	0.9667	0.3407
-1.9835	-0.2738	0.4738	-0.0531	0.5615	-0.3344	0.1820
-3.7478	-0.8314	1.0040	-0.0363	0.5263	-0.7158	-0.1272
15.7039	2.3003	-2.1884	-3.2900	-1.5415	1.2066	0.5112
9.8052	1.3916	-1.2676	-1.9059	-1.1557	1.8914	0.4322
6.2106	0.7364	-0.5301	-1.7577	-0.4960	0.4865	0.2393
1.0795	0.4866	-0.4365	0.1531	-0.3159	0.3573	0.1418
2.6890	0.5751	0.0070	-1.1474	-0.4295	0.5668	0.2222
-3.0449	-0.4520	0.6336	0.1771	0.3507	-0.3723	-0.3097
1.5304	-0.0989	-0.7675	-0.2069	0.1531	0.2873	-0.0138
6.3594	0.9577	-0.7684	-1.6761	-0.4948	0.7640	0.5984
-2.8918	-0.0287	0.4009	0.6813	0.0951	-0.3214	-0.3155
-1.7672	-0.0334	0.3851	0.6778	0.1329	-0.2575	0.1535

Columns 22 through 28

0.0381	-0.5805	1.4357	-0.9873	-1.7179	0.0908	-0.0259
-0.3281	0.0968	-0.8948	0.4774	1.0721	-0.2245	-0.0219
1.1337	-1.8311	4.2811	-2.2356	-4.2130	0.1846	0.0590
0.8262	-1.8433	4.1268	-1.9147	-3.9768	0.4823	0.2803
1.7709	-2.8293	7.1080	-4.1108	-7.4030	0.2760	0.1422
-1.5951	2.2755	-5.7424	3.0443	5.8838	-0.4480	-0.2032
-1.6602	2.1513	-6.3396	3.4427	6.4506	-0.8378	-0.2809
0.9105	-0.9676	2.4706	-1.4839	-2.7720	-0.0605	0.1673
-0.0908	0.8362	-1.7161	1.0736	1.9810	-0.0265	0.0565
-0.0808	0.1335	-0.5469	0.3306	0.3507	0.1457	-0.2351
-2.4002	4.8242	-12.0133	6.8988	12.4782	-1.4509	-0.5869
0.1777	-0.4581	1.2783	-0.8602	-1.5307	-0.1754	0.0456
1.6386	-1.7720	5.0240	-2.6053	-4.9581	0.6975	0.5137
-1.4761	1.7977	-4.0500	2.1986	4.0968	0.1161	-0.5260
-0.0385	-0.7470	1.2128	-0.6185	-1.1605	0.0961	-0.1048
-0.0568	0.3892	-0.9749	0.8384	1.2124	-0.3657	0.2254
-1.4775	1.9845	-4.7118	2.6500	5.1490	-0.1391	-0.2172
2.0170	-3.1354	7.7414	-4.1639	-7.9718	0.7568	0.8574
1.5859	-2.8076	7.0848	-3.7945	-7.0689	0.6951	0.1149
-1.7614	3.1709	-7.2723	3.8214	7.7266	-0.4928	-0.3316
-1.4271	2.7172	-7.1903	3.9489	7.4761	-1.1091	-0.0400
-0.3962	0.4734	-1.4977	0.8151	1.5423	0.0226	-0.1336
0.4789	0.0068	0.4768	-0.4261	-0.4236	0.2034	0.0979
0.0240	-0.1387	-0.0871	0.1159	0.2097	0.0322	-0.1191
-0.4539	0.8705	-1.8697	0.9281	1.6010	-0.0427	0.1691
0.2455	-0.4350	0.8815	-0.3252	-0.9267	-0.2192	-0.0965
-0.9010	1.5327	-3.3550	1.6999	3.2317	-0.3158	-0.1173
-1.6619	2.4864	-6.6228	3.4907	7.0103	-0.5222	-0.2463
-1.2966	2.0076	-5.0667	2.0262	4.8282	-0.9287	-0.2107
-1.0852	1.6763	-5.3022	2.8056	5.1421	-0.9079	-0.4134
2.0273	-2.8390	6.7893	-3.5984	-7.2481	0.7603	0.2416
0.4191	-0.3758	1.5870	-0.4931	-1.0527	0.1704	0.3565
0.5377	-0.8713	1.9415	-1.3235	-2.0442	0.0886	0.2368
-0.0188	0.8950	-2.3508	1.8155	2.5157	-0.3769	0.0964

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-2.7743	4.4049	-9.7863	5.0818	10.3210	-0.9202	-0.5440
-0.2871	0.7846	-1.5701	0.9025	1.8627	-0.1367	-0.1535
0.4091	-1.2336	2.5194	-1.6014	-2.9436	0.3319	-0.0834
1.6952	-2.7444	6.1237	-3.3706	-6.4059	0.5616	0.3790
-0.2653	0.8363	-1.3565	0.6764	1.5872	-0.0673	-0.1012
-1.0521	1.4447	-2.3483	1.2179	2.8139	0.0207	-0.0819
3.0585	-5.5339	12.8201	-7.1220	-13.4766	1.3204	0.5322
1.6528	-3.1603	7.5864	-3.8626	-8.3139	0.8342	0.3983
0.9687	-2.0804	5.2908	-2.8555	-5.6553	0.8215	-0.0133
0.3868	-0.2022	0.8416	-0.5091	-0.9077	0.1099	0.1026
-0.1338	-0.4484	2.0559	-1.0961	-2.1572	0.4159	0.1660
-0.7439	0.7611	-2.1000	1.3038	2.5396	0.1124	-0.1685
0.9407	-0.7790	1.2752	-0.3149	-1.7323	-0.2915	-0.0043
1.1680	-1.9048	5.0849	-2.7641	-5.0909	0.7807	0.1273
-0.5997	1.0241	-2.1190	1.0967	2.1746	-0.0178	-0.3326
-0.5048	0.9096	-2.1330	0.9437	1.9366	-0.2349	-0.1388

Columns 29 through 35

0.9465	0.1520	-0.0166	-1.3232	0.8542	-0.0349	-0.5792
-0.9679	-0.6011	0.1258	0.8926	-0.9646	-0.2347	0.6109
3.0889	-0.4356	-0.3017	-3.7462	2.4259	-0.4482	-1.1413
2.4290	-0.3675	-0.5090	-3.5672	2.2739	-0.3509	-0.7996
4.9820	0.0145	-1.0347	-6.7578	4.9320	-0.8270	-2.2251
-4.2729	0.2120	0.4748	5.4436	-3.8287	0.9941	1.6235
-4.4190	0.0541	0.5964	5.7529	-4.1112	0.6195	1.6548
2.2950	-0.1066	-0.2907	-2.4443	1.7670	-0.1952	-1.1575
-1.0643	-0.3189	0.1739	1.5009	-1.2600	0.2826	0.4623
0.0445	0.4298	0.3898	0.2924	0.3022	0.0933	0.0704
-7.9915	-0.3660	1.2494	11.2724	-7.9362	1.1347	2.9801
0.8764	0.3403	-0.3285	-1.1764	0.9540	0.0412	-0.3970
3.7247	0.0022	-0.2018	-4.6201	3.0912	-0.6682	-1.8880
-3.0232	0.4897	0.4361	4.0303	-2.7565	0.6166	1.5071
0.9096	0.0318	-0.0385	-1.0067	0.5828	-0.3299	-0.1808
-0.8042	-0.2720	-0.0444	0.9434	-0.7309	0.2096	0.4063
-3.7097	0.4463	0.5506	4.4382	-3.2334	0.5734	1.5031
5.7029	0.2379	-1.0500	-7.3918	5.5838	-0.8173	-2.6107
4.7833	-0.3403	-1.0100	-6.6175	4.5646	-0.7856	-1.7451
-4.9039	0.2344	0.8663	6.8649	-4.9969	0.7834	2.1139
-5.1485	-0.6506	0.6492	6.7485	-4.8099	0.7163	2.3990
-1.0141	0.1276	0.1465	1.0777	-0.7261	0.1198	0.3898
0.4478	0.1012	0.1840	-0.3291	-0.0355	0.0140	-0.3365
-0.1059	-0.3405	-0.2672	-0.0814	-0.1971	-0.2724	0.1705
-1.1515	0.3999	0.1440	1.5323	-0.8930	0.5222	0.2025
0.2969	-0.3998	-0.2814	-0.5908	0.2580	-0.2842	0.2256
-2.2442	0.2579	0.4517	3.0485	-1.8673	0.3537	0.8230
-5.2210	-0.3377	0.6151	6.5346	-4.8365	0.7578	2.5330
-3.3102	0.8898	0.6065	4.2111	-3.0038	0.9627	1.0250
-3.3557	0.1503	0.5490	4.5640	-3.2594	0.4446	1.2745
5.5090	-0.3900	-0.6604	-6.7300	4.7619	-0.9508	-2.2697
0.9682	0.0579	0.0546	-1.0319	1.0017	-0.1600	-0.4367
1.3859	0.2897	0.0474	-2.0646	1.5678	-0.0582	-0.6816
-1.6037	-0.7541	0.0688	2.1346	-1.1979	-0.0236	0.6350
-6.9514	0.5962	1.1287	9.3416	-6.4980	1.2421	3.1865

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-0.9549	0.2014	0.3662	2.0225	-1.2551	0.2033	0.5375
2.0729	0.2048	0.0359	-2.2427	1.6565	-0.1567	-0.7775
4.4067	-0.5967	-1.0398	-6.0391	4.2656	-0.8237	-1.9422
-0.9154	-0.0887	-0.1995	1.2868	-1.1007	0.2474	0.5945
-2.5206	0.1538	0.1573	2.5958	-1.9188	0.3675	1.2405
8.9425	-0.0652	-1.3218	-11.9315	8.2537	-1.4389	-3.5914
5.2962	-0.2876	-0.6912	-7.2165	5.5894	-1.2088	-2.2854
3.2049	-0.0351	-0.5299	-4.6593	2.9232	-0.4883	-1.3614
1.0674	-0.0676	-0.2500	-1.1199	0.8703	0.1080	-0.4075
0.8799	0.6878	-0.0486	-1.7322	1.2925	-0.2513	-0.4561
-1.9572	0.0448	0.3844	2.1909	-1.8582	0.2785	0.9201
1.6383	-0.7387	0.1130	-1.4446	1.1182	-0.6826	-0.7196
3.2027	-0.1547	-0.6010	-4.3734	3.2593	-0.7308	-1.3061
-1.5992	0.3473	0.1103	1.8290	-1.3585	0.1394	0.6166
-1.3376	0.2251	0.1793	1.6279	-0.8336	0.3897	0.4373

Columns 36 through 42

-0.5103	0.0288	-0.3624	0.4477	0.3281	-0.4110	-0.4037
0.9540	1.2122	0.6387	-0.9730	-1.0043	-0.0533	0.7163
-1.4935	0.5673	-0.2230	2.1389	1.5646	-0.7410	-1.0418
-1.4855	0.9235	-0.1149	1.6616	1.3817	-0.6202	-0.7152
-3.1332	-0.4931	-1.1399	3.8939	3.1463	-0.8842	-2.0267
2.3580	-0.3471	0.5579	-2.7961	-2.1380	0.4430	1.4027
3.1846	0.0405	1.1129	-3.5440	-2.7642	0.4345	2.1683
-1.2187	-0.1970	-0.2214	1.6734	1.1178	-0.2675	-0.4979
0.5199	0.2053	0.1535	-0.4650	-0.6528	0.2971	0.6524
-0.1928	-1.1871	-0.1022	0.1298	0.1048	0.5830	-0.5543
5.4656	-0.5845	1.6667	-6.1487	-4.9008	1.3652	3.3582
-0.5017	0.2070	-0.2189	0.3052	0.1586	-0.5340	-0.0383
-2.4450	-0.1525	-0.8418	2.7345	2.1483	-0.5403	-1.4948
1.8398	-0.8222	0.4374	-2.0146	-1.4189	0.4565	-0.0765
-0.2545	0.3180	0.0137	0.4945	0.2330	0.1148	-0.0171
0.4016	0.5501	0.1262	-0.5517	-0.4424	0.1701	0.6693
2.0596	0.2656	0.6782	-3.0459	-2.2502	0.9114	1.6369
-3.6819	-0.4602	-1.2493	4.3303	3.5244	-0.7507	-2.2908
-2.8425	0.6209	-0.7934	3.5638	2.9018	-0.8736	-1.6493
3.1990	0.0067	1.0854	-4.0265	-2.9738	0.9276	2.0159
3.5378	0.6135	1.0834	-4.0638	-3.2921	0.6916	2.3664
0.7870	0.0496	-0.0146	-1.0306	-0.9344	0.0564	0.4027
-0.2744	-0.4654	-0.3015	0.5011	0.2305	-0.0407	-0.1169
0.2478	0.7118	0.2568	-0.5444	-0.4150	0.0998	0.1988
0.1453	-0.7898	-0.1864	-0.5301	-0.2457	0.1934	0.2069
-0.2310	1.0263	0.3601	0.1402	0.1216	-0.1499	0.1977
1.2741	-0.2656	0.3421	-1.6857	-1.5570	0.6745	0.8473
3.3675	1.1069	1.3257	-4.1369	-3.2047	0.6569	2.1688
1.6016	-0.7982	0.2363	-2.2102	-1.7738	0.2023	1.3929
2.6808	0.1241	0.8768	-2.7768	-2.3130	0.1220	2.1388
-3.2340	-0.5172	-0.8614	4.0777	3.1774	-0.4848	-2.2805
-0.8399	0.0905	-0.1820	0.6411	0.6717	0.2658	-0.5054
-1.1789	-0.0265	-0.4747	1.3139	1.0397	-0.3210	0.0251
1.0910	-0.2234	0.2092	-0.8155	-1.0116	0.5533	0.2568
4.0917	-1.1189	0.9843	-4.9637	-3.6349	1.2151	2.2958
0.4720	-0.7939	0.3977	-0.9058	-0.4475	0.3898	-0.1254

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-1.1044	-0.1983	-0.4155	1.2966	1.2352	-0.2676	-1.0953
-2.5177	0.6671	-0.8377	3.4775	2.4797	-0.9987	-1.1949
0.4249	-0.2557	0.1517	-0.5573	-0.3025	0.2665	0.2057
1.2864	0.6115	0.2641	-1.7305	-1.1811	0.2204	0.5824
-5.4490	0.8264	-1.4484	6.5122	5.1475	-1.5166	-3.4614
-3.5414	-0.3438	-1.1890	4.1313	3.3353	-0.6785	-2.5170
-2.0128	0.5224	-0.4180	2.6327	2.3203	-0.7619	-1.7891
-0.3433	-0.2785	-0.3602	0.7534	0.2982	0.0095	-0.1392
-1.1236	-0.4027	-0.6390	0.8973	0.8829	-0.2782	-1.1603
1.2126	0.1780	0.4666	-1.4454	-0.8045	0.2123	0.6800
-0.8031	0.4436	-0.1314	1.0788	0.2558	0.1433	0.1406
-2.2196	-0.0556	-0.4872	2.6888	2.0647	-0.4604	-1.7934
0.9774	-0.1572	0.4216	-1.0458	-0.6907	0.0159	0.6229
0.6238	-0.4773	-0.0812	-0.7530	-0.5717	0.0989	0.3064

Columns 43 through 49

0.5461	0.2439	-1.0009	0.0621	0.3534	0.7013	-1.9342
-0.6434	-0.0348	0.9826	0.5107	0.6925	-0.7259	2.4371
1.6929	-0.7141	-3.0226	-0.4614	0.5025	1.3063	-5.3107
1.4597	-0.6410	-2.6863	-0.2007	0.5251	0.9615	-4.9146
2.6974	-0.4232	-5.4836	-0.9488	0.6845	2.9255	-9.8518
-2.3049	0.5262	4.3652	0.4828	-0.7964	-1.8323	7.7406
-2.5889	0.6506	4.6748	0.6677	-0.7245	-2.6209	9.4752
1.1230	-0.5290	-2.0000	-0.5263	0.2269	1.2326	-4.0667
-0.7541	-0.2309	1.2251	0.2371	-0.1494	-0.7750	2.2763
0.0573	0.6648	-0.3307	-0.0834	-0.7053	0.0816	0.0482
-4.9265	0.7179	9.1807	1.0933	-1.2169	-4.2830	16.6829
0.3952	-0.0791	-0.9671	-0.3802	0.2784	0.4958	-1.6184
1.8805	-0.6421	-3.7276	-0.7647	0.4603	2.0841	-7.3707
-1.1622	0.6746	3.4572	0.3970	-0.3173	-0.9324	4.9019
0.4696	-0.1959	-0.9042	0.1912	0.0640	-0.0010	-1.4790
-0.5585	-0.2126	0.7041	0.0882	-0.5100	-0.7485	1.6920
-1.6965	0.3685	3.3968	0.6563	-0.4823	-2.1067	7.1282
2.8532	-0.3614	-6.3587	-1.3702	0.4234	3.0451	-11.3443
2.7630	-0.8398	-5.3896	-0.3996	0.9951	2.1202	-9.2851
-2.8134	0.3452	5.7486	0.8493	-0.9599	-2.7826	10.2154
-2.8934	0.5583	5.2066	1.0156	-0.5781	-3.2109	10.8763
-0.2900	0.4945	0.9486	0.3664	0.1660	-0.5864	2.0114
-0.0500	0.0088	-0.0478	-0.2260	0.0625	0.4513	-0.8705
-0.1252	-0.2619	0.1330	0.1178	0.3147	-0.3482	0.4605
-0.7193	0.1836	0.8599	-0.2108	-0.6221	-0.2469	1.6874
0.4539	-0.3180	-0.5854	0.3922	0.3497	-0.1635	-0.4800
-1.0841	0.3184	2.4706	0.4472	-0.4243	-1.1419	4.3021
-2.7803	0.0948	5.4683	1.2853	-0.2841	-2.9075	10.2072
-1.9738	0.8851	3.3544	-0.0311	-1.0203	-1.3303	6.0303
-2.3630	0.4476	3.5561	0.5282	-0.7642	-1.9875	7.8110
2.7039	-0.3044	-5.4502	-0.7708	0.6498	2.6147	-10.4146
0.5130	-0.4229	-0.9539	-0.0579	-0.2106	0.4112	-1.7896
0.4702	-0.1159	-1.8002	-0.5365	-0.0983	0.8148	-2.7457
-1.0510	0.3256	1.6587	0.3113	0.2705	-0.8862	3.2657
-3.7620	0.9953	7.5341	0.9558	-1.2892	-3.0272	13.4395
-0.3646	0.1962	1.6115	-0.0367	-0.3793	-0.2939	1.9089
1.2102	-0.0907	-2.1136	-0.4342	0.2567	1.0042	-3.8881

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2.2396	-0.7100	-4.6551	-0.5258	0.9302	1.9866	-8.3379
-0.4832	-0.1286	1.5311	0.0531	-0.2022	-0.2065	1.5624
-0.9503	0.2496	2.3025	0.4086	-0.1184	-0.7673	3.5215
5.0210	-0.9804	-9.6230	-1.2345	1.5922	4.3079	-17.3743
3.2126	-0.2120	-6.0172	-0.8338	1.1840	3.0190	-10.9593
2.2548	-0.5689	-3.3055	-0.2490	0.9069	2.0453	-7.1577
0.4030	-0.1953	-0.7509	-0.3023	-0.1568	0.3522	-1.6554
0.8645	0.3923	-1.1995	-0.1913	0.2544	1.2127	-3.1976
-0.8154	0.0259	2.0916	0.6299	0.0111	-1.0295	3.3065
0.5744	-0.1636	-1.4686	-0.1413	0.0698	0.2724	-1.8920
2.2337	-0.1177	-3.8399	-0.4220	0.9210	2.0374	-7.2316
-1.0863	0.1955	1.7884	0.2088	-0.3484	-0.7829	3.1987
-0.5388	0.1842	1.0738	-0.1584	-0.5462	-0.6063	2.1720

Column 50

-0.0568
0.6071
-0.6251
-0.3334
-1.3753
0.7479
1.4195
-0.4706
0.0832
-0.0586
2.1238
-0.1074
-1.2280
0.3292
0.0923
0.2321
0.9872
-1.4496
-0.9642
1.1632
1.7556
0.1629
-0.3923
0.3425
0.1026
0.1322
0.3328
1.4368
0.7181
1.1621
-1.3873
-0.2760
-0.4634
0.4156
1.5496
0.1266
-0.4501
-0.7172

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0.1288  
0.2822  
-2.1998  
-1.3368  
-0.9167  
-0.1421  
-0.7773  
0.3137  
-0.1224  
-0.9924  
0.4458  
0.2171

matrix dimension is 100  
x =

Columns 1 through 7

0.7905	0.4821	0.9006	0.4231	0.6325	0.4451	0.7163
0.1069	0.5664	0.5300	0.4964	0.5516	0.2320	0.7166
0.7605	0.5698	0.8192	0.7245	0.2528	0.5839	0.3791
0.9727	0.8013	0.7507	0.9219	0.3969	0.0142	0.1543
0.0921	0.8172	0.8882	0.6913	0.1744	0.4085	0.1575
0.3757	0.5061	0.8134	0.7963	0.7625	0.3834	0.4626
0.5158	0.5031	0.2228	0.8372	0.7930	0.1437	0.0350
0.0040	0.7061	0.1517	0.0470	0.4784	0.7399	0.7265
0.9474	0.5364	0.7631	0.8565	0.0856	0.3248	0.7519
0.4515	0.9066	0.9676	0.4030	0.6182	0.3829	0.4506
0.9831	0.9491	0.9052	0.5632	0.9715	0.9890	0.2869
0.2331	0.5987	0.1947	0.0127	0.5011	0.6230	0.1423
0.3674	0.7264	0.1516	0.7854	0.4758	0.4040	0.4937
0.2628	0.4273	0.4684	0.4855	0.9992	0.2323	0.3651
0.0132	0.0087	0.9097	0.3318	0.7171	0.9656	0.7809
0.0704	0.5310	0.1902	0.5243	0.4698	0.1448	0.1394
0.3783	0.2148	0.6688	0.7963	0.0190	0.4010	0.7464
0.5599	0.1833	0.4499	0.6686	0.5153	0.5321	0.6206
0.2360	0.9535	0.8011	0.8146	0.6973	0.1009	0.9078
0.5909	0.7444	0.6105	0.9396	0.0747	0.5808	0.7179
0.8935	0.2454	0.4237	0.6043	0.0819	0.1045	0.1176
0.6510	0.1061	0.4626	0.4403	0.6236	0.5959	0.8707
0.5039	0.9992	0.9377	0.7399	0.4131	0.4781	0.0660
0.6444	0.6638	0.9126	0.2543	0.4187	0.8163	0.0013
0.7593	0.4696	0.6056	0.4002	0.5401	0.5737	0.3067
0.3289	0.0674	0.8794	0.7832	0.0748	0.2106	0.3963
0.5482	0.5093	0.3231	0.7146	0.5704	0.4311	0.2859
0.7617	0.5529	0.7720	0.6666	0.8309	0.4328	0.6491
0.1515	0.3129	0.3520	0.3672	0.2963	0.8712	0.2602
0.9155	0.3624	0.3118	0.1793	0.6441	0.7470	0.9860
0.7363	0.7492	0.8093	0.4427	0.1378	0.3966	0.6729
0.9086	0.8017	0.5249	0.8136	0.8445	0.1665	0.6672
0.6089	0.6007	0.3636	0.1508	0.8241	0.5418	0.7894
0.6256	0.2960	0.6391	0.0207	0.7527	0.0203	0.0694
0.3577	0.6774	0.1940	0.8086	0.9168	0.1203	0.2432
0.8856	0.4002	0.7318	0.3526	0.4514	0.6341	0.5099

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0.2639	0.5465	0.2629	0.2211	0.7059	0.4848	0.8657
0.1046	0.6459	0.2381	0.8111	0.6764	0.9948	0.9974
0.3248	0.6889	0.5224	0.1044	0.4071	0.6590	0.6098
0.5253	0.6557	0.8095	0.2532	0.9096	0.9723	0.0232
0.1810	0.2093	0.4231	0.8053	0.8614	0.8807	0.9056
0.5410	0.9546	0.6271	0.3047	0.2348	0.7046	0.7874
0.2931	0.4784	0.1802	0.7021	0.5646	0.0834	0.5086
0.9650	0.4615	0.6575	0.6790	0.5004	0.4418	0.7546
0.3511	0.4812	0.2968	0.2813	0.9476	0.0005	0.6110
0.4333	0.1498	0.9893	0.1949	0.0163	0.6786	0.4222
0.8451	0.1162	0.4502	0.2695	0.3096	0.7748	0.2466
0.3403	0.6836	0.3514	0.1594	0.9664	0.9119	0.2063
0.6516	0.8555	0.5850	0.2608	0.8484	0.3542	0.3235
0.5274	0.1447	0.8836	0.1155	0.0993	0.5438	0.3568
0.0675	0.4432	0.8124	0.5479	0.0415	0.6532	0.4080
0.3026	0.0174	0.6828	0.6601	0.9091	0.1775	0.5144
0.4940	0.0915	0.9942	0.4414	0.5538	0.9848	0.9088
0.6684	0.6802	0.2205	0.4892	0.8423	0.0027	0.1169
0.9963	0.9426	0.9191	0.9523	0.3135	0.1958	0.1800
0.6354	0.4639	0.8951	0.1978	0.5200	0.4683	0.4691
0.7711	0.9587	0.8909	0.8371	0.1954	0.5569	0.3121
0.2585	0.4987	0.2827	0.2990	0.0131	0.2541	0.9320
0.1989	0.7836	0.3128	0.6431	0.9466	0.9950	0.8778
0.2386	0.6682	0.5161	0.4806	0.5340	0.4466	0.9894
0.5192	0.3750	0.9259	0.0613	0.1004	0.0553	0.1944
0.6187	0.0678	0.5342	0.4832	0.4514	0.6964	0.8194
0.0999	0.6470	0.6796	0.6381	0.7486	0.2377	0.6142
0.4062	0.4434	0.1125	0.3852	0.5321	0.2997	0.2352
0.9712	0.1501	0.6066	0.2620	0.9285	0.2560	0.7921
0.6505	0.0724	0.2797	0.6078	0.3949	0.0871	0.4334
0.7829	0.7683	0.1153	0.4169	0.1602	0.5674	0.1297
0.0800	0.1778	0.8732	0.3642	0.8465	0.2661	0.5703
0.4806	0.2153	0.6692	0.0501	0.1637	0.0320	0.1278
0.0665	0.5732	0.1441	0.5048	0.8541	0.6401	0.2179
0.4346	0.6365	0.7802	0.6204	0.8432	0.6009	0.4678
0.5461	0.2197	0.3891	0.9467	0.4845	0.1911	0.4897
0.8573	0.4466	0.3149	0.7465	0.7740	0.6879	0.1935
0.3922	0.7092	0.8611	0.8853	0.8454	0.3105	0.1201
0.8294	0.0182	0.9152	0.4504	0.3997	0.4265	0.6756
0.2586	0.5575	0.2723	0.5773	0.5599	0.3815	0.9902
0.0507	0.5483	0.8544	0.6225	0.5173	0.6247	0.6572
0.9140	0.0097	0.0662	0.2394	0.2922	0.7845	0.2264
0.7087	0.4523	0.6342	0.1302	0.9216	0.5946	0.8280
0.6836	0.3361	0.8788	0.2535	0.4030	0.6516	0.3727
0.7603	0.3474	0.1168	0.2323	0.9094	0.5894	0.6975
0.0308	0.4363	0.9216	0.2502	0.4836	0.1592	0.6450
0.6201	0.3856	0.6049	0.2051	0.4091	0.0421	0.0253
0.5167	0.6275	0.0451	0.7891	0.6991	0.1370	0.2977
0.5710	0.7069	0.0347	0.4650	0.8401	0.2827	0.9056
0.5799	0.2399	0.1269	0.0798	0.1908	0.7569	0.6582
0.2100	0.6933	0.8654	0.0565	0.8664	0.4150	0.3020
0.8270	0.1951	0.5241	0.6484	0.6168	0.1457	0.5808
0.3184	0.4378	0.1882	0.1189	0.4423	0.7340	0.3707
0.4425	0.6543	0.0833	0.4984	0.6540	0.6695	0.1691

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0.1839	0.1953	0.2766	0.6188	0.1184	0.6355	0.0414
0.2643	0.7745	0.1006	0.2270	0.7120	0.5428	0.9824
0.0733	0.0648	0.8913	0.9623	0.1029	0.2521	0.5849
0.7495	0.0305	0.8652	0.7500	0.5672	0.0739	0.6181
0.3909	0.9982	0.2883	0.3884	0.7373	0.3872	0.2800
0.6233	0.6938	0.1218	0.2940	0.9190	0.9547	0.9022
0.1461	0.9484	0.7323	0.8982	0.8796	0.0242	0.4400
0.3722	0.8879	0.2415	0.3860	0.3703	0.5913	0.2427
0.1476	0.9624	0.0692	0.0121	0.7090	0.8844	0.0435
0.3559	0.1007	0.3545	0.1336	0.3808	0.5819	0.1219

Columns 8 through 14

0.4974	0.6630	0.6292	0.7340	0.4123	0.0097	0.8366
0.7009	0.4101	0.6316	0.1002	0.9098	0.5631	0.9303
0.3231	0.2598	0.3427	0.1728	0.1207	0.8541	0.8864
0.0129	0.7636	0.9567	0.9251	0.8725	0.4519	0.7646
0.6508	0.8807	0.3333	0.7884	0.6514	0.3383	0.6079
0.1899	0.5484	0.6710	0.7788	0.4315	0.0852	0.7477
0.5202	0.4515	0.0262	0.8773	0.1372	0.8949	0.2982
0.9264	0.9353	0.8618	0.9097	0.0184	0.4447	0.7213
0.4675	0.0834	0.3352	0.9304	0.3657	0.8936	0.9015
0.8679	0.3680	0.9201	0.4040	0.0173	0.5272	0.0441
0.4219	0.0331	0.2461	0.2891	0.4714	0.4530	0.3425
0.8876	0.0460	0.0777	0.7687	0.1317	0.0141	0.2384
0.3715	0.6406	0.2834	0.9439	0.8449	0.2678	0.0707
0.1324	0.5102	0.3029	0.2794	0.9574	0.7987	0.4484
0.4294	0.5618	0.6222	0.3711	0.1961	0.2054	0.0706
0.3900	0.2814	0.5818	0.2732	0.7377	0.6428	0.9040
0.9825	0.6787	0.6923	0.4735	0.0556	0.6937	0.4511
0.9796	0.6269	0.1436	0.9605	0.5145	0.0971	0.5278
0.3075	0.7089	0.3480	0.1018	0.1188	0.7393	0.9714
0.9319	0.6154	0.6234	0.5406	0.6427	0.9761	0.7987
0.7995	0.4496	0.8590	0.3075	0.1627	0.7574	0.5245
0.9374	0.7275	0.4716	0.1517	0.0617	0.2065	0.3196
0.6193	0.9848	0.6907	0.4226	0.5585	0.1750	0.8382
0.3678	0.5345	0.0938	0.3242	0.1444	0.9108	0.0611
0.4093	0.7799	0.0576	0.5564	0.3683	0.2696	0.2053
0.7196	0.9915	0.8252	0.1844	0.2012	0.1894	0.2842
0.6333	0.6366	0.0908	0.2149	0.0002	0.4354	0.7330
0.5736	0.2733	0.2064	0.5653	0.8100	0.9124	0.5704
0.8144	0.6031	0.7932	0.9086	0.9031	0.1901	0.6239
0.1464	0.6360	0.6817	0.6999	0.4407	0.7090	0.2567
0.2664	0.9111	0.4700	0.8855	0.3658	0.7636	0.1696
0.3745	0.6156	0.8978	0.7432	0.3648	0.2721	0.2393
0.1031	0.9437	0.4085	0.4447	0.2879	0.2951	0.0910
0.7394	0.2557	0.6585	0.1186	0.8351	0.9612	0.8548
0.3260	0.1982	0.9584	0.9393	0.9759	0.2134	0.8795
0.5954	0.4439	0.3018	0.5965	0.2143	0.3806	0.6914
0.8919	0.8772	0.7249	0.3310	0.6660	0.6677	0.2364
0.2879	0.3484	0.7519	0.2930	0.4407	0.3742	0.6158
0.7415	0.1075	0.1856	0.5041	0.4128	0.6831	0.3114
0.4766	0.7647	0.5684	0.8448	0.8466	0.9753	0.4519
0.4147	0.8963	0.0611	0.9457	0.5024	0.6689	0.1634

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0.8277	0.1886	0.6833	0.8483	0.2290	0.6974	0.2272
0.5244	0.6735	0.6687	0.5440	0.7120	0.2475	0.0431
0.4762	0.5159	0.1342	0.5208	0.4322	0.8725	0.2982
0.8608	0.8620	0.8931	0.5262	0.4159	0.7766	0.4734
0.1307	0.2982	0.1697	0.6251	0.9313	0.1401	0.3437
0.1246	0.3033	0.5441	0.2788	0.1471	0.2528	0.8288
0.1322	0.2211	0.0346	0.5219	0.0198	0.5571	0.1427
0.6527	0.1398	0.8146	0.3302	0.4240	0.5098	0.0874
0.9782	0.9590	0.5951	0.2751	0.9468	0.9760	0.9064
0.5886	0.6807	0.4058	0.3729	0.7308	0.7799	0.9038
0.4172	0.8048	0.6440	0.9863	0.3119	0.2429	0.2346
0.0090	0.5362	0.3663	0.7534	0.1551	0.0887	0.5078
0.8958	0.8215	1.0000	0.4460	0.9891	0.8034	0.5506
0.9753	0.2624	0.7060	0.8458	0.8529	0.7032	0.6383
0.9914	0.6957	0.1968	0.5014	0.6736	0.9257	0.5728
0.9223	0.8510	0.8296	0.5519	0.2695	0.4025	0.5315
0.1822	0.0872	0.3025	0.7428	0.9025	0.2552	0.9191
0.5621	0.9658	0.5230	0.2724	0.2657	0.7399	0.0159
0.4999	0.7009	0.6249	0.3863	0.8537	0.4056	0.2073
0.8644	0.0755	0.0048	0.7536	0.4191	0.5392	0.5828
0.3686	0.9428	0.7754	0.4935	0.0857	0.1588	0.7412
0.9035	0.9625	0.2124	0.6652	0.9355	0.9696	0.5264
0.6153	0.3888	0.2040	0.9019	0.8236	0.5656	0.9578
0.7721	0.5769	0.7948	0.3343	0.9325	0.1301	0.9860
0.7316	0.8172	0.2699	0.2956	0.6370	0.5310	0.7984
0.9736	0.0765	0.8308	0.6181	0.9865	0.2374	0.7273
0.7914	0.8653	0.9973	0.1825	0.6293	0.8600	0.1564
0.4602	0.1814	0.3954	0.2121	0.4291	0.9199	0.8490
0.7649	0.8347	0.8996	0.8064	0.2770	0.5850	0.0516
0.9721	0.8410	0.5308	0.1087	0.8293	0.3410	0.6443
0.2560	0.5086	0.0823	0.6773	0.9295	0.9942	0.4419
0.9157	0.5200	0.4185	0.1949	0.9546	0.6811	0.0133
0.3346	0.3669	0.0189	0.3718	0.1669	0.1789	0.1480
0.1815	0.9236	0.9015	0.5397	0.1804	0.2358	0.6179
0.4343	0.7002	0.3750	0.2511	0.9477	0.7364	0.9336
0.7606	0.9907	0.0118	0.7191	0.6321	0.5555	0.6386
0.9164	0.9690	0.5011	0.3212	0.5464	0.0396	0.9199
0.5018	0.0927	0.4434	0.0376	0.6466	0.5572	0.7408
0.3747	0.3706	0.8524	0.8119	0.9902	0.9752	0.3787
0.7716	0.5302	0.5009	0.0453	0.8131	0.7088	0.3614
0.1898	0.0806	0.1122	0.2975	0.9134	0.9664	0.9267
0.4770	0.7043	0.7914	0.3039	0.5591	0.8996	0.4079
0.5812	0.3470	0.9348	0.5364	0.3129	0.5802	0.0161
0.8574	0.1123	0.8559	0.1202	0.4440	0.7133	0.0880
0.6715	0.9419	0.1550	0.7953	0.2660	0.8437	0.7059
0.1934	0.2073	0.0813	0.5026	0.1427	0.6883	0.8994
0.9335	0.0098	0.6283	0.2280	0.7671	0.1625	0.8299
0.5989	0.8686	0.0970	0.8313	0.6090	0.1404	0.4850
0.6539	0.6786	0.0334	0.1134	0.2178	0.3456	0.2749
0.3754	0.1717	0.3236	0.9993	0.4694	0.8127	0.4646
0.3281	0.1767	0.6451	0.7583	0.7947	0.0050	0.7030
0.0321	0.8959	0.5843	0.5185	0.5861	0.2377	0.7630
0.4384	0.0810	0.6722	0.4766	0.9136	0.0319	0.9916
0.8211	0.0718	0.7927	0.2725	0.7520	0.6769	0.7198

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0.6523	0.0234	0.3802	0.9632	0.8093	0.8516	0.4570
0.9945	0.5725	0.0793	0.3194	0.7270	0.7694	0.5139
0.5999	0.3254	0.4342	0.4530	0.8454	0.5764	0.3552
0.5187	0.5249	0.7855	0.5332	0.6159	0.2688	0.4846
0.0722	0.4019	0.3049	0.7834	0.6135	0.9161	0.7112

Columns 15 through 21

0.8182	0.6660	0.9710	0.9852	0.7030	0.7364	0.1491
0.7375	0.0747	0.5808	0.8391	0.9227	0.3652	0.8678
0.9481	0.0549	0.3694	0.0346	0.3052	0.9391	0.7474
0.3511	0.8670	0.9133	0.0718	0.5364	0.6796	0.7702
0.6679	0.8881	0.6376	0.0842	0.6749	0.0623	0.2403
0.8882	0.9814	0.4703	0.3206	0.8150	0.9191	0.1364
0.6893	0.8982	0.8901	0.1617	0.7113	0.1843	0.7880
0.7628	0.1278	0.1793	0.0529	0.7748	0.4688	0.8875
0.5523	0.1551	0.8003	0.9817	0.8593	0.3627	0.3534
0.0675	0.8135	0.9123	0.6956	0.2758	0.4805	0.5380
0.5749	0.5201	0.7909	0.7108	0.1821	0.0232	0.4018
0.1994	0.7922	0.8125	0.2347	0.3493	0.1679	0.0978
0.5182	0.6084	0.6095	0.7854	0.9253	0.7786	0.7918
0.9514	0.7671	0.9003	0.7985	0.3802	0.5214	0.2484
0.1183	0.9413	0.0275	0.1690	0.5103	0.7019	0.4620
0.9686	0.6640	0.2315	0.3817	0.4143	0.6913	0.2854
0.8606	0.7362	0.9444	0.3732	0.2878	0.7874	0.1003
0.0564	0.2512	0.6401	0.7977	0.7244	0.3535	0.5859
0.8102	0.0965	0.5095	0.3604	0.7323	0.2099	0.0055
0.2743	0.7751	0.6217	0.5560	0.4694	0.6673	0.2374
0.0182	0.7070	0.4972	0.4080	0.3609	0.6537	0.9934
0.3544	0.7020	0.6113	0.9681	0.8403	0.9432	0.7472
0.6326	0.2274	0.1110	0.6978	0.1617	0.6069	0.0891
0.3620	0.9184	0.2365	0.7549	0.3728	0.5434	0.0691
0.5133	0.4680	0.0175	0.1433	0.6177	0.5999	0.7934
0.9987	0.5645	0.8268	0.8298	0.1933	0.2910	0.0045
0.7186	0.6368	0.4926	0.3144	0.4587	0.4738	0.2150
0.8749	0.6874	0.5126	0.5408	0.7446	0.6102	0.2735
0.4265	0.0719	0.2262	0.0651	0.8024	0.7595	0.7036
0.4646	0.9800	0.1824	0.2678	0.6881	0.3505	0.8061
0.1341	0.0617	0.9219	0.3558	0.3515	0.9384	0.6596
0.0917	0.2816	0.9453	0.0537	0.5345	0.1424	0.4694
0.4818	0.4605	0.5560	0.4436	0.3009	0.3516	0.7633
0.9303	0.8179	0.6246	0.5620	0.9775	0.5534	0.5896
0.4471	0.1758	0.6257	0.9702	0.4427	0.9494	0.7425
0.3107	0.0261	0.2923	0.0903	0.2838	0.6792	0.6157
0.2442	0.9428	0.9011	0.0172	0.6764	0.2197	0.2852
0.9403	0.3883	0.0201	0.2312	0.4712	0.6552	0.1227
0.3427	0.1321	0.1683	0.0641	0.7522	0.6803	0.4788
0.8690	0.8253	0.5427	0.5041	0.2900	0.0691	0.5034
0.9302	0.8580	0.1053	0.2338	0.7593	0.1086	0.2272
0.3375	0.7685	0.0391	0.9850	0.7016	0.5039	0.5797
0.2712	0.8894	0.3226	0.6056	0.5890	0.6042	0.2610
0.5261	0.6976	0.9209	0.4787	0.2904	0.0726	0.0523
0.5987	0.6513	0.7047	0.7996	0.0874	0.6223	0.2809
0.5646	0.4368	0.6388	0.3689	0.2239	0.2887	0.7660

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0.1241	0.4965	0.0864	0.6516	0.8686	0.0389	0.3668
0.5670	0.4729	0.2304	0.0726	0.2021	0.4348	0.1720
0.4728	0.5832	0.3212	0.1250	0.0340	0.1655	0.4964
0.2697	0.7214	0.4094	0.1776	0.8322	0.2113	0.6377
0.9839	0.5237	0.1066	0.2998	0.1195	0.6749	0.3386
0.2130	0.3021	0.7162	0.8226	0.7527	0.6586	0.9974
0.2500	0.4025	0.8340	0.6877	0.7262	0.5399	0.8835
0.9511	0.3389	0.7066	0.9470	0.4401	0.4912	0.9455
0.7431	0.2676	0.7447	0.7314	0.3664	0.0197	0.9514
0.5117	0.4388	0.7365	0.0405	0.2039	0.8819	0.0231
0.4551	0.1034	0.0124	0.9450	0.8318	0.3214	0.4623
0.3085	0.1447	0.5836	0.9441	0.5579	0.6489	0.7088
0.7133	0.8605	0.6957	0.0902	0.9212	0.8099	0.8825
0.9081	0.5647	0.0060	0.1370	0.7553	0.9215	0.1276
0.4446	0.1006	0.5215	0.3657	0.8087	0.8017	0.3328
0.7745	0.6307	0.8373	0.1339	0.6167	0.3782	0.2852
0.5681	0.4815	0.0576	0.5022	0.6783	0.8089	0.2287
0.1055	0.8550	0.3816	0.7162	0.9869	0.0392	0.5555
0.4054	0.9213	0.5198	0.6247	0.0145	0.2048	0.4698
0.3360	0.3256	0.8279	0.1083	0.2306	0.6814	0.2646
0.2591	0.9526	0.9260	0.3664	0.3310	0.6205	0.9355
0.4660	0.7334	0.5392	0.0985	0.2474	0.8625	0.9689
0.5758	0.0899	0.4693	0.8140	0.4664	0.4569	0.2157
0.8544	0.3634	0.5118	0.9991	0.1716	0.9022	0.1619
0.0287	0.4247	0.9416	0.6386	0.9469	0.1334	0.4561
0.7341	0.9858	0.0677	0.3051	0.3623	0.2043	0.2548
0.2314	0.7802	0.1624	0.8541	0.0858	0.8875	0.2659
0.7809	0.5554	0.7738	0.9367	0.9675	0.3274	0.9908
0.6782	0.6327	0.7213	0.0661	0.2576	0.1983	0.5591
0.1626	0.0906	0.7142	0.7297	0.0490	0.2693	0.8478
0.2500	0.6709	0.6853	0.8035	0.0969	0.5414	0.3259
0.9754	0.0308	0.3629	0.0787	0.4416	0.0736	0.2354
0.7719	0.5579	0.0339	0.4681	0.6137	0.6972	0.7265
0.8479	0.9908	0.8981	0.6877	0.1564	0.6390	0.1377
0.3696	0.2654	0.0011	0.0843	0.4543	0.6667	0.5890
0.6768	0.3287	0.9184	0.9442	0.5531	0.6034	0.6854
0.4317	0.9984	0.3441	0.1216	0.8564	0.3702	0.9406
0.6539	0.6618	0.2265	0.7045	0.2387	0.5330	0.7909
0.6791	0.2194	0.3654	0.8080	0.3615	0.3118	0.1462
0.9475	0.5685	0.5803	0.5210	0.4507	0.1883	0.7588
0.5064	0.3519	0.4427	0.5597	0.8893	0.8594	0.4074
0.4432	0.0437	0.5747	0.9215	0.2810	0.4519	0.3622
0.0964	0.9028	0.5439	0.9635	0.3201	0.5600	0.8994
0.4479	0.2488	0.6304	0.0559	0.7173	0.6888	0.4573
0.8170	0.0345	0.8892	0.2939	0.5725	0.7874	0.1669
0.4129	0.1373	0.5417	0.9844	0.8055	0.7995	0.3445
0.6000	0.2502	0.9764	0.2901	0.5683	0.9341	0.0504
0.0867	0.3802	0.3924	0.0774	0.8583	0.7008	0.0936
0.1173	0.9379	0.3301	0.3593	0.4701	0.7242	0.1637
0.9915	0.0347	0.5027	0.3294	0.7821	0.1945	0.6318
0.6539	0.3782	0.7712	0.6294	0.9944	0.8863	0.7433
0.6362	0.1783	0.5873	0.4136	0.5481	0.4694	0.7792
0.8667	0.0348	0.6887	0.5784	0.4557	0.9074	0.5208
0.2762	0.8756	0.1345	0.4775	0.8612	0.5413	0.0224

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Columns 22 through 28

0.5995	0.0168	0.6711	0.7170	0.4360	0.5342	0.9540
0.3382	0.5744	0.7765	0.2134	0.8932	0.5494	0.8781
0.7844	0.4046	0.1402	0.7099	0.3029	0.8357	0.5617
0.8959	0.9179	0.0319	0.7314	0.3375	0.4570	0.1462
0.4259	0.1163	0.5656	0.4445	0.4993	0.6548	0.7232
0.9981	0.5526	0.6950	0.8658	0.3030	0.9750	0.0958
0.8308	0.2451	0.7509	0.7724	0.1894	0.7220	0.5243
0.6288	0.1760	0.6863	0.1943	0.6389	0.6467	0.0183
0.7878	0.9275	0.4980	0.4290	0.6465	0.0435	0.1223
0.9828	0.1235	0.4408	0.0763	0.0301	0.5972	0.0984
0.1793	0.8021	0.9231	0.1725	0.5877	0.4917	0.1446
0.4333	0.3398	0.3287	0.5843	0.6588	0.1822	0.3223
0.4158	0.1064	0.5396	0.3271	0.0707	0.8938	0.8014
0.9639	0.3562	0.5651	0.8251	0.8823	0.1531	0.9742
0.1076	0.8642	0.3485	0.7427	0.7089	0.4592	0.3674
0.8113	0.3602	0.9658	0.0075	0.5097	0.9509	0.9110
0.4595	0.9320	0.4970	0.7688	0.8181	0.5929	0.6407
0.6256	0.7528	0.8815	0.1592	0.0568	0.2523	0.0861
0.7872	0.6439	0.4918	0.5840	0.2647	0.7703	0.5233
0.9247	0.9079	0.7136	0.9859	0.2395	0.9129	0.1280
0.9278	0.3343	0.3792	0.0098	0.7911	0.4021	0.0481
0.9901	0.3994	0.8865	0.4300	0.1940	0.9317	0.2221
0.9203	0.6967	0.7444	0.4494	0.8519	0.6725	0.2148
0.4311	0.2442	0.8680	0.0718	0.9991	0.9300	0.5715
0.7777	0.3162	0.2487	0.4891	0.5612	0.7299	0.4319
0.4192	0.7073	0.9327	0.0870	0.3723	0.5918	0.2191
0.6639	0.5293	0.0244	0.7293	0.9942	0.1107	0.4855
0.1954	0.9801	0.7835	0.3323	0.6389	0.7858	0.2824
0.1736	0.3655	0.1547	0.4567	0.4502	0.6133	0.4801
0.9565	0.6198	0.0733	0.4754	0.7443	0.3526	0.6842
0.9850	0.8803	0.8556	0.4770	0.2479	0.6233	0.1980
0.9414	0.5329	0.5423	0.3777	0.8125	0.4745	0.1593
0.3015	0.1247	0.5191	0.9993	0.4602	0.6259	0.8750
0.9266	0.8104	0.1416	0.6494	0.7389	0.6412	0.6475
0.5306	0.4423	0.0669	0.0600	0.5485	0.8877	0.5775
0.8603	0.4290	0.2083	0.1807	0.5674	0.0742	0.5747
0.2729	0.1455	0.3445	0.3825	0.8882	0.6484	0.3781
0.9426	0.2214	0.5710	0.5059	0.2167	0.6191	0.7639
0.5199	0.3787	0.8336	0.8960	0.6125	0.4304	0.0554
0.4815	0.6287	0.9480	0.2846	0.2188	0.2070	0.3823
0.2693	0.6931	0.5462	0.5790	0.7649	0.6400	0.5772
0.6237	0.3470	0.8928	0.9927	0.7306	0.0559	0.6928
0.9554	0.7124	0.8028	0.9338	0.6768	0.7183	0.5684
0.4377	0.2160	0.1434	0.5418	0.4667	0.6905	0.4114
0.8724	0.6143	0.4094	0.7334	0.2539	0.0617	0.2883
0.7014	0.4755	0.1752	0.9076	0.2064	0.6250	0.7193
0.4773	0.3408	0.5167	0.9318	0.5596	0.7828	0.7892
0.3894	0.7449	0.0256	0.2805	0.7724	0.4504	0.8787
0.3926	0.6697	0.7826	0.7363	0.5690	0.1581	0.6686
0.1667	0.5572	0.6379	0.3916	0.5071	0.9240	0.3149
0.3851	0.7278	0.5308	0.7827	0.9354	0.9517	0.3681

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0.2449	0.9352	0.1331	0.0213	0.4361	0.3862	0.4518
0.8106	0.2635	0.2736	0.0850	0.7567	0.8705	0.9150
0.3172	0.1893	0.9665	0.2427	0.4138	0.7389	0.6873
0.5613	0.2704	0.5177	0.2806	0.7772	0.9611	0.7899
0.2927	0.1483	0.4982	0.2803	0.4073	0.8346	0.6662
0.8060	0.1644	0.2853	0.3272	0.3510	0.4011	0.0570
0.1845	0.7994	0.3208	0.6984	0.8889	0.5052	0.0646
0.0209	0.2262	0.9269	0.3154	0.0504	0.6464	0.2061
0.3811	0.0668	0.8158	0.8975	0.4845	0.7740	0.5179
0.1285	0.2002	0.8313	0.6105	0.8100	0.9138	0.0886
0.0257	0.9172	0.9274	0.2054	0.4447	0.7031	0.5884
0.4221	0.3002	0.7632	0.9474	0.5440	0.6236	0.6518
0.8524	0.5195	0.7119	0.5755	0.4674	0.9681	0.3605
0.1775	0.9826	0.0117	0.1413	0.1244	0.0788	0.6667
0.1132	0.5211	0.3758	0.3268	0.2501	0.1952	0.4276
0.1340	0.5676	0.9382	0.3526	0.4457	0.7526	0.8451
0.1528	0.2230	0.5117	0.5716	0.1885	0.5306	0.0153
0.5238	0.3706	0.3768	0.6937	0.6465	0.9022	0.7501
0.4984	0.5058	0.5817	0.4585	0.2329	0.4846	0.8200
0.5656	0.4561	0.0771	0.2955	0.1383	0.9767	0.1118
0.4430	0.9270	0.4235	0.7571	0.0517	0.2264	0.9601
0.4184	0.7136	0.7532	0.9844	0.7723	0.7157	0.4192
0.7982	0.6710	0.5558	0.4514	0.7070	0.6134	0.5364
0.3877	0.1645	0.1462	0.2123	0.6179	0.5143	0.4670
0.5779	0.1413	0.1945	0.6586	0.5439	0.6704	0.2800
0.3555	0.3412	0.9455	0.1609	0.0322	0.9200	0.7448
0.4556	0.0145	0.7735	0.7026	0.5715	0.1656	0.0463
0.3969	0.5451	0.7789	0.5777	0.9596	0.2329	0.5174
0.1480	0.3720	0.5488	0.2843	0.8297	0.7842	0.1646
0.1592	0.9469	0.6910	0.0342	0.3920	0.2711	0.8211
0.0207	0.7432	0.4173	0.2451	0.8114	0.7196	0.7664
0.4664	0.1145	0.7083	0.6570	0.9109	0.5819	0.1535
0.5308	0.3245	0.6630	0.2525	0.8106	0.8937	0.8498
0.5468	0.6125	0.0539	0.4676	0.3222	0.6131	0.2918
0.0422	0.4808	0.7896	0.8130	0.6575	0.8340	0.7230
0.8116	0.1814	0.2907	0.3115	0.1100	0.7647	0.5038
0.6537	0.2107	0.1101	0.1842	0.8273	0.2899	0.7422
0.5930	0.1783	0.8846	0.5599	0.5718	0.7680	0.1987
0.7207	0.9890	0.5820	0.2205	0.2732	0.2011	0.8109
0.3970	0.5112	0.6248	0.1952	0.0950	0.8671	0.8482
0.2149	0.9999	0.1162	0.3114	0.2250	0.6023	0.1559
0.6267	0.2295	0.2369	0.6528	0.1379	0.4332	0.6952
0.8201	0.9951	0.9928	0.3737	0.1879	0.3445	0.6236
0.5703	0.8154	0.8544	0.8254	0.1529	0.0534	0.0004
0.7045	0.1693	0.9102	0.4846	0.2779	0.3186	0.4954
0.7234	0.7943	0.6685	0.8690	0.6713	0.3033	0.4143
0.6391	0.3763	0.7816	0.6088	0.1068	0.7718	0.0548
0.5459	0.5040	0.9123	0.8460	0.4938	0.9689	0.5685
0.1275	0.1892	0.1978	0.0361	0.0628	0.1006	0.8669

Columns 29 through 35

0.9551	0.9559	0.6993	0.9564	0.6060	0.0340	0.1972
0.5241	0.5714	0.7934	0.1842	0.6326	0.4904	0.6405

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0.7812	0.0367	0.5104	0.2770	0.5257	0.7470	0.3203
0.0379	0.8035	0.0865	0.1815	0.4041	0.7667	0.1030
0.1378	0.3370	0.6715	0.9357	0.6896	0.3065	0.5605
0.0287	0.3106	0.3046	0.6793	0.4252	0.1970	0.4288
0.8130	0.5210	0.9513	0.3439	0.2387	0.5014	0.7101
0.3251	0.5817	0.5413	0.4808	0.7744	0.0294	0.6575
0.9100	0.6410	0.1405	0.4943	0.1999	0.4288	0.9498
0.9247	0.5527	0.9135	0.3781	0.3334	0.5823	0.5550
0.9420	0.0238	0.0572	0.4334	0.3461	0.0706	0.0947
0.4534	0.4372	0.3130	0.8977	0.4393	0.6821	0.4293
0.1929	0.2209	0.2283	0.3164	0.8405	0.8722	0.3100
0.1382	0.6931	0.8664	0.7098	0.7981	0.0488	0.7297
0.4806	0.6467	0.8712	0.7983	0.6658	0.0704	0.1973
0.0649	0.4193	0.8622	0.9701	0.2534	0.3703	0.1571
0.8665	0.8888	0.2349	0.5319	0.3493	0.1822	0.2272
0.1630	0.5747	0.3591	0.4010	0.4552	0.0632	0.2099
0.4012	0.2494	0.5015	0.8407	0.7067	0.3266	0.3972
0.7074	0.4387	0.5478	0.1663	0.4991	0.8606	0.0033
0.4066	0.4007	0.4801	0.4743	0.3484	0.5952	0.6441
0.7559	0.4942	0.8361	0.1680	0.8065	0.4204	0.5549
0.8589	0.4081	0.1981	0.2136	0.1731	0.5020	0.9193
0.8385	0.8613	0.1363	0.4453	0.2149	0.3502	0.5341
0.6763	0.9088	0.0335	0.4895	0.8454	0.1289	0.1555
0.5207	0.6761	0.7838	0.9728	0.4332	0.5352	0.1839
0.9523	0.3835	0.7939	0.6463	0.9400	0.3975	0.9949
0.7443	0.8717	0.6533	0.9624	0.7824	0.5974	0.7918
0.7224	0.1779	0.6920	0.7722	0.8281	0.3432	0.4088
0.1256	0.1055	0.0421	0.9049	0.2753	0.1914	0.2247
0.5880	0.1454	0.9346	0.0247	0.3882	0.0051	0.3901
0.2167	0.3283	0.5988	0.9317	0.9336	0.1331	0.4309
0.0345	0.8162	0.1394	0.2404	0.4459	0.5367	0.0732
0.9988	0.6605	0.7671	0.1613	0.2632	0.1570	0.8077
0.3776	0.2371	0.6159	0.9613	0.7371	0.4276	0.0854
0.9598	0.7048	0.5774	0.4638	0.5555	0.9216	0.8955
0.4235	0.7662	0.5070	0.0814	0.5077	0.8270	0.8794
0.1648	0.5374	0.8314	0.8622	0.3467	0.9861	0.1094
0.2616	0.1569	0.3422	0.0263	0.0045	0.8562	0.0726
0.3128	0.2372	0.8785	0.8900	0.2827	0.2011	0.4377
0.1946	0.1930	0.3101	0.8060	0.8453	0.3261	0.8890
0.1168	0.7790	0.6828	0.3865	0.3148	0.8430	0.5791
0.9461	0.9703	0.0050	0.6568	0.9413	0.0674	0.9721
0.4401	0.3586	0.3370	0.3420	0.6683	0.7971	0.5719
0.9970	0.8737	0.4574	0.2176	0.0103	0.7112	0.3156
0.4147	0.1581	0.2895	0.8485	0.7366	0.3569	0.8065
0.5127	0.8151	0.7690	0.0861	0.3808	0.4098	0.4777
0.1519	0.2885	0.1350	0.9027	0.9990	0.0660	0.6264
0.4538	0.0518	0.8520	0.6667	0.2027	0.8369	0.2117
0.9628	0.1884	0.7884	0.1764	0.1498	0.2970	0.0420
0.0248	0.6756	0.6820	0.6115	0.8011	0.8969	0.0916
0.0011	0.6739	0.3886	0.9941	0.9654	0.3065	0.6035
0.5316	0.5821	0.8672	0.3334	0.9214	0.4066	0.6354
0.7876	0.1326	0.1814	0.4481	0.7691	0.8568	0.4102
0.2432	0.6908	0.2125	0.5033	0.4331	0.4767	0.6950
0.9167	0.0189	0.9624	0.0550	0.0529	0.5039	0.2153

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0.5785	0.1118	0.4338	0.5521	0.9600	0.6818	0.0768
0.8407	0.9505	0.5956	0.4473	0.1558	0.2788	0.2356
0.0044	0.2556	0.7545	0.1850	0.1404	0.8206	0.1591
0.6506	0.9534	0.6923	0.1154	0.7151	0.9979	0.7171
0.2596	0.5075	0.4439	0.1355	0.9456	0.7518	0.9988
0.7294	0.4384	0.6158	0.9494	0.7449	0.9326	0.3936
0.3392	0.2465	0.1672	0.5479	0.5611	0.7120	0.0201
0.1489	0.8675	0.6488	0.0900	0.1454	0.6439	0.6295
0.3608	0.3893	0.2478	0.8265	0.6341	0.9260	0.1771
0.0128	0.0908	0.5157	0.4760	0.6276	0.7607	0.5888
0.0089	0.3314	0.5663	0.9089	0.8483	0.1580	0.5302
0.3886	0.7763	0.7216	0.1950	0.9028	0.8470	0.3434
0.8870	0.8278	0.3312	0.4351	0.1214	0.9814	0.7154
0.9427	0.0560	0.9906	0.6883	0.0796	0.4868	0.3506
0.3309	0.3058	0.3186	0.8828	0.5416	0.9326	0.5432
0.3840	0.8215	0.1715	0.4657	0.8434	0.5327	0.4687
0.4876	0.5203	0.7920	0.0817	0.0549	0.6998	0.0130
0.6155	0.7359	0.0520	0.6807	0.7977	0.6844	0.1311
0.1135	0.4145	0.7919	0.0911	0.0119	0.9619	0.6970
0.3075	0.2334	0.8616	0.0562	0.2954	0.7145	0.3996
0.7952	0.1451	0.1064	0.9878	0.2198	0.7420	0.2208
0.4734	0.2784	0.1739	0.2338	0.9801	0.2822	0.1119
0.2551	0.2814	0.0148	0.8123	0.0927	0.8702	0.4317
0.5554	0.4184	0.2856	0.1417	0.7216	0.1227	0.2990
0.9633	0.0317	0.0074	0.7880	0.8058	0.3914	0.6392
0.1627	0.4269	0.7620	0.5372	0.3444	0.7725	0.0826
0.5695	0.0535	0.8799	0.2356	0.9610	0.8342	0.0823
0.7005	0.9376	0.7954	0.4092	0.7875	0.5084	0.8025
0.6915	0.9436	0.2657	0.1634	0.4632	0.9983	0.7404
0.8692	0.5715	0.6234	0.4411	0.4124	0.6643	0.3861
0.0317	0.7705	0.0527	0.4268	0.0110	0.0954	0.9860
0.0605	0.2909	0.7371	0.3141	0.3819	0.6949	0.6050
0.5258	0.0933	0.3376	0.9419	0.0449	0.6075	0.3618
0.3640	0.8714	0.6818	0.2462	0.8425	0.3717	0.7610
0.5346	0.3498	0.3220	0.9981	0.0606	0.0193	0.7192
0.7013	0.6621	0.2137	0.0562	0.1731	0.9314	0.5181
0.3383	0.3593	0.6627	0.8636	0.9888	0.2206	0.1091
0.9766	0.1650	0.0012	0.5862	0.3420	0.0903	0.1085
0.6497	0.6129	0.7517	0.5868	0.5339	0.5466	0.2028
0.9458	0.0812	0.7372	0.3938	0.9408	0.4331	0.7049
0.6397	0.9478	0.5546	0.4855	0.0383	0.5293	0.6880
0.0579	0.6254	0.9961	0.4968	0.1741	0.8955	0.8477
0.4254	0.2796	0.3818	0.8012	0.1699	0.0701	0.6176
0.4728	0.4995	0.8516	0.4290	0.7772	0.0771	0.7883

Columns 36 through 42

0.6273	0.7633	0.4663	0.7462	0.1433	0.2307	0.7196
0.1157	0.0347	0.8711	0.6582	0.2759	0.0128	0.0477
0.2305	0.8977	0.9536	0.9906	0.5210	0.1086	0.8617
0.3140	0.7072	0.5642	0.6881	0.8042	0.6474	0.0503
0.3131	0.0895	0.9447	0.5950	0.9886	0.3601	0.8130
0.9205	0.3338	0.8326	0.7572	0.6791	0.8583	0.3079
0.0582	0.1384	0.2709	0.5732	0.1972	0.4810	0.8769

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0.6994	0.2392	0.3374	0.7981	0.1381	0.1564	0.5218
0.5013	0.9711	0.1675	0.9233	0.5722	0.3233	0.4785
0.5152	0.9710	0.9655	0.7712	0.1035	0.5926	0.4518
0.4509	0.8069	0.4113	0.2694	0.8298	0.8988	0.3396
0.8343	0.9231	0.8659	0.9476	0.8186	0.7510	0.3947
0.4730	0.6822	0.9207	0.8634	0.7767	0.7201	0.3896
0.7288	0.6440	0.7872	0.5892	0.7662	0.1337	0.5922
0.4028	0.4967	0.3450	0.1514	0.7545	0.7758	0.0933
0.1160	0.9919	0.0693	0.7462	0.2528	0.5954	0.3927
0.3902	0.7241	0.7634	0.5861	0.8119	0.9902	0.8956
0.5191	0.3799	0.5950	0.7562	0.4263	0.0156	0.5006
0.7047	0.0796	0.5643	0.0631	0.8692	0.8332	0.9132
0.0438	0.7326	0.6841	0.4135	0.1446	0.1414	0.1604
0.2280	0.5137	0.6260	0.8899	0.9514	0.9457	0.2933
0.8297	0.5223	0.7413	0.8761	0.1529	0.3428	0.8365
0.4730	0.8144	0.7257	0.9399	0.0399	0.6046	0.7864
0.3764	0.8346	0.3364	0.3355	0.3872	0.0674	0.9226
0.4256	0.9469	0.2569	0.0935	0.2890	0.7952	0.2118
0.5615	0.4866	0.2329	0.4963	0.3399	0.2766	0.3562
0.4739	0.1802	0.9324	0.0942	0.6587	0.0335	0.6922
0.1968	0.1786	0.4463	0.8697	0.3718	0.8188	0.9312
0.8426	0.5977	0.7586	0.1070	0.7497	0.7746	0.4327
0.5714	0.9747	0.4114	0.6398	0.7385	0.1313	0.6099
0.3748	0.9275	0.7083	0.3366	0.3325	0.1222	0.6878
0.0957	0.5539	0.6672	0.3157	0.7678	0.3396	0.7948
0.3781	0.2890	0.9153	0.8536	0.2687	0.3895	0.8666
0.0761	0.2255	0.7378	0.5691	0.1937	0.2671	0.4450
0.1927	0.7667	0.3187	0.4807	0.0396	0.0358	0.7194
0.9469	0.2182	0.8881	0.6363	0.3932	0.3819	0.7754
0.8077	0.4450	0.2901	0.2551	0.7421	0.5600	0.4686
0.1245	0.3512	0.9188	0.1042	0.7291	0.2920	0.6212
0.9662	0.4210	0.9871	0.3604	0.4856	0.0216	0.6873
0.6030	0.8066	0.4641	0.5184	0.1308	0.2781	0.1659
0.6766	0.0306	0.8516	0.1530	0.6872	0.6251	0.2700
0.2427	0.2331	0.3344	0.1248	0.2648	0.2383	0.5042
0.9348	0.9080	0.0833	0.8632	0.3655	0.1846	0.2060
0.5331	0.8410	0.9967	0.2672	0.9672	0.7763	0.4525
0.0088	0.8315	0.2712	0.3298	0.0034	0.8421	0.8042
0.9705	0.1555	0.6134	0.2821	0.4214	0.6561	0.6728
0.8802	0.3056	0.9225	0.7110	0.7651	0.2225	0.2646
0.6473	0.7372	0.2606	0.0246	0.3324	0.5812	0.0175
0.0892	0.6012	0.3508	0.0054	0.0096	0.9583	0.6245
0.6419	0.5913	0.7690	0.0821	0.8835	0.3237	0.6730
0.0732	0.9118	0.5212	0.2914	0.8975	0.1304	0.4009
0.2997	0.5044	0.3543	0.8598	0.0807	0.7402	0.8860
0.6253	0.7924	0.3566	0.0891	0.7478	0.9285	0.4823
0.0288	0.8047	0.7708	0.9101	0.0182	0.3673	0.4806
0.1586	0.6510	0.1055	0.1444	0.0808	0.1214	0.9091
0.7286	0.5990	0.0798	0.6747	0.2772	0.1587	0.3141
0.5323	0.2980	0.9583	0.2128	0.6773	0.8675	0.2784
0.1967	0.9658	0.9084	0.3241	0.3200	0.4867	0.8612
0.9183	0.9224	0.3706	0.5043	0.0415	0.2004	0.8468
0.2153	0.6503	0.0976	0.0039	0.6684	0.2530	0.8225
0.3529	0.1758	0.3677	0.0454	0.5731	0.7032	0.5879

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0.1582	0.1788	0.6904	0.8829	0.1783	0.7669	0.9842
0.3701	0.3253	0.9161	0.0697	0.5285	0.4855	0.2506
0.7371	0.6335	0.5617	0.5946	0.9496	0.9239	0.7496
0.0300	0.2835	0.5907	0.3407	0.9514	0.6218	0.3084
0.5609	0.3034	0.3495	0.9141	0.0951	0.2245	0.0212
0.2182	0.8913	0.3190	0.6639	0.7712	0.8212	0.2743
0.9182	0.9788	0.0156	0.2734	0.4266	0.1697	0.9914
0.5181	0.8520	0.4156	0.3936	0.3866	0.9209	0.3788
0.1568	0.4961	0.9296	0.1569	0.9192	0.7758	0.9921
0.8303	0.8755	0.3339	0.7487	0.5307	0.9201	0.2618
0.7515	0.7096	0.3025	0.0361	0.2186	0.2252	0.6503
0.3437	0.9533	0.1370	0.9798	0.2857	0.4373	0.7170
0.6214	0.2590	0.6177	0.5056	0.2799	0.6545	0.7172
0.6114	0.9238	0.5457	0.6653	0.0997	0.9983	0.7364
0.6090	0.7556	0.9241	0.5404	0.3766	0.0513	0.1103
0.5960	0.6590	0.2115	0.4391	0.7306	0.2871	0.1353
0.0293	0.2245	0.8320	0.3986	0.4132	0.1598	0.5856
0.3873	0.8196	0.3840	0.2275	0.2405	0.9205	0.5144
0.9439	0.4332	0.7714	0.3247	0.5555	0.1111	0.6351
0.6598	0.3898	0.2165	0.6438	0.0621	0.0725	0.9137
0.9313	0.4769	0.8836	0.7253	0.1065	0.6447	0.3583
0.8859	0.2696	0.4471	0.0262	0.3755	0.4652	0.4281
0.7084	0.5888	0.8942	0.3530	0.9515	0.4014	0.7965
0.4425	0.9697	0.3593	0.3714	0.0879	0.8103	0.2966
0.8136	0.8807	0.6944	0.1183	0.9051	0.0610	0.5969
0.8553	0.9634	0.5886	0.1727	0.5024	0.0667	0.8339
0.1860	0.5150	0.8184	0.4395	0.2546	0.9501	0.0873
0.3532	0.5099	0.1648	0.2145	0.2981	0.5772	0.5874
0.5661	0.5556	0.1666	0.3607	0.6055	0.9922	0.7917
0.1848	0.8497	0.5643	0.6865	0.1439	0.1885	0.0536
0.4656	0.8394	0.5726	0.7711	0.1199	0.9512	0.3037
0.1833	0.1284	0.8745	0.3396	0.1163	0.6456	0.0549
0.5914	0.2528	0.5980	0.0181	0.0334	0.4189	0.2683
0.7810	0.3359	0.5017	0.1601	0.0597	0.1177	0.3032
0.6555	0.7308	0.3038	0.2889	0.7744	0.2730	0.4786
0.0600	0.6812	0.3628	0.4193	0.7253	0.0550	0.7309
0.6875	0.3271	0.8271	0.3093	0.8986	0.0225	0.3992
0.6619	0.3604	0.5224	0.4561	0.1932	0.6100	0.5200
0.0533	0.3299	0.5626	0.3339	0.3099	0.9353	0.1247

Columns 43 through 49

0.6601	0.3368	0.5596	0.9759	0.4387	0.0128	0.8043
0.4247	0.6305	0.0477	0.0474	0.8119	0.4604	0.6714
0.8576	0.8650	0.1955	0.4526	0.8961	0.0262	0.4182
0.9586	0.2222	0.5086	0.7922	0.8300	0.7689	0.3601
0.2445	0.3805	0.4240	0.8346	0.4900	0.4319	0.1136
0.7571	0.2163	0.9291	0.1819	0.7674	0.9616	0.0891
0.9708	0.4423	0.6073	0.4119	0.0133	0.5671	0.1889
0.6874	0.4941	0.3806	0.9006	0.3485	0.8731	0.9184
0.5982	0.7637	0.0588	0.3939	0.2142	0.5730	0.7751
0.4732	0.1534	0.5432	0.5878	0.6296	0.4765	0.8489
0.1252	0.8883	0.5264	0.3262	0.3312	0.5932	0.9965
0.4734	0.9620	0.8965	0.2755	0.2000	0.9376	0.7485

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0.6847	0.9471	0.7350	0.3593	0.8628	0.0126	0.0518
0.4188	0.3949	0.5972	0.6311	0.7177	0.2811	0.0205
0.3508	0.7807	0.8556	0.4440	0.3304	0.0757	0.8094
0.2042	0.8388	0.1013	0.6623	0.9460	0.6693	0.6855
0.1954	0.7625	0.5562	0.4807	0.5900	0.6280	0.9235
0.2079	0.3892	0.3027	0.3856	0.4324	0.0934	0.8414
0.1188	0.3449	0.9369	0.3747	0.2049	0.6689	0.5796
0.6288	0.9773	0.4197	0.9567	0.1890	0.1084	0.7682
0.9630	0.8036	0.0254	0.1625	0.0108	0.6332	0.8582
0.9740	0.0704	0.2357	0.4780	0.8469	0.1718	0.3945
0.8844	0.6650	0.7491	0.9662	0.2805	0.3084	0.1198
0.7409	0.7946	0.8950	0.9275	0.4018	0.3400	0.4443
0.7590	0.7450	0.7308	0.0134	0.7169	0.8487	0.2196
0.8408	0.5006	0.2875	0.0199	0.8508	0.2209	0.1199
0.2666	0.7600	0.7933	0.4371	0.4454	0.8151	0.0676
0.3232	0.5653	0.2279	0.0526	0.7133	0.5704	0.4987
0.9639	0.7739	0.5467	0.8565	0.8883	0.5877	0.3796
0.3307	0.6256	0.3296	0.8225	0.6313	0.6653	0.1657
0.8441	0.8043	0.6721	0.4801	0.9867	0.1676	0.8022
0.8450	0.5455	0.6996	0.6524	0.1739	0.4563	0.0011
0.4442	0.2492	0.5742	0.2557	0.6281	0.3599	0.5114
0.9309	0.8951	0.6991	0.6760	0.6846	0.1175	0.2828
0.1601	0.8551	0.9023	0.2662	0.1675	0.2656	0.3058
0.0097	0.5888	0.4898	0.8594	0.1491	0.7468	0.6514
0.8370	0.0526	0.2645	0.4368	0.1424	0.6091	0.4569
0.3435	0.4963	0.6888	0.8991	0.0926	0.3346	0.6234
0.1259	0.7551	0.8384	0.9165	0.9173	0.3503	0.3882
0.5592	0.8974	0.9738	0.8948	0.8533	0.4752	0.2783
0.2129	0.0848	0.8740	0.5182	0.3571	0.3645	0.1467
0.6536	0.5075	0.3886	0.6255	0.0921	0.7292	0.5169
0.4154	0.0169	0.0686	0.1091	0.3322	0.4912	0.5188
0.4172	0.1985	0.5887	0.0142	0.0675	0.0581	0.5504
0.7114	0.3743	0.6660	0.4934	0.0880	0.9834	0.4685
0.9192	0.7265	0.2688	0.4051	0.7230	0.0726	0.6412
0.6420	0.6399	0.6333	0.9970	0.4107	0.3944	0.3831
0.3303	0.9809	0.7754	1.0000	0.5201	0.7410	0.2056
0.7193	0.3885	0.6459	0.2968	0.2702	0.6948	0.0381
0.2165	0.1231	0.6465	0.5087	0.7238	0.0118	0.8990
0.3180	0.8710	0.2897	0.8449	0.8688	0.5445	0.0509
0.1645	0.7922	0.7885	0.5770	0.1767	0.3993	0.2920
0.1924	0.8534	0.2907	0.5140	0.3958	0.3091	0.0624
0.8560	0.8274	0.9604	0.0263	0.4024	0.4856	0.0946
0.1739	0.9838	0.4210	0.0131	0.5226	0.9985	0.9583
0.2139	0.3243	0.4469	0.6738	0.1748	0.9556	0.5301
0.7531	0.2465	0.3553	0.8541	0.4157	0.8160	0.8553
0.8503	0.1894	0.2763	0.8572	0.0046	0.9668	0.6173
0.3225	0.0214	0.9525	0.7569	0.9154	0.3394	0.7656
0.4405	0.2661	0.3153	0.2313	0.4317	0.8830	0.0913
0.7965	0.2660	0.2581	0.5237	0.7364	0.3732	0.4073
0.9334	0.9163	0.0481	0.5162	0.1003	0.1847	0.9760
0.4395	0.4841	0.2951	0.6245	0.0840	0.2535	0.0290
0.1595	0.9986	0.1139	0.5047	0.7825	0.5807	0.1280
0.7995	0.0277	0.7450	0.3145	0.9232	0.4690	0.0317
0.2301	0.8887	0.2637	0.0309	0.2293	0.7310	0.2248

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0.0300	0.4709	0.8413	0.0463	0.4525	0.8238	0.1365
0.7396	0.1553	0.7598	0.4972	0.2072	0.7924	0.7608
0.3273	0.6508	0.2553	0.0537	0.1069	0.3549	0.0471
0.0921	0.3510	0.6922	0.8687	0.0859	0.1456	0.2102
0.2322	0.1011	0.0957	0.3344	0.9929	0.1540	0.9749
0.0578	0.3560	0.7166	0.4234	0.4408	0.3614	0.2689
0.7994	0.6630	0.6437	0.0029	0.2541	0.4939	0.3860
0.4480	0.1488	0.8847	0.4098	0.7294	0.4953	0.0606
0.0666	0.7302	0.3670	0.6939	0.3861	0.4287	0.2059
0.9753	0.4965	0.1646	0.4276	0.5881	0.0868	0.8438
0.3050	0.4697	0.1794	0.2223	0.7776	0.7672	0.6172
0.2084	0.5714	0.4397	0.8756	0.7114	0.5064	0.7333
0.6156	0.6413	0.3364	0.8528	0.9471	0.9293	0.1405
0.7937	0.2665	0.3240	0.3213	0.7601	0.5528	0.9859
0.6722	0.4954	0.0974	0.3819	0.1747	0.2241	0.6718
0.2152	0.8613	0.5146	0.2362	0.5007	0.6871	0.8922
0.6780	0.6931	0.0449	0.9356	0.2978	0.2817	0.2445
0.1042	0.5167	0.5147	0.1653	0.8625	0.8635	0.6163
0.6942	0.7592	0.0380	0.6276	0.6633	0.2779	0.4249
0.8108	0.0984	0.3809	0.1401	0.6868	0.6421	0.3862
0.9657	0.4659	0.5841	0.1565	0.1161	0.5199	0.8989
0.8292	0.7429	0.9358	0.8623	0.6100	0.7158	0.8445
0.8811	0.8987	0.0169	0.1975	0.3625	0.4892	0.5453
0.5704	0.1009	0.3127	0.9608	0.4053	0.2259	0.7991
0.9193	0.3028	0.6590	0.3642	0.1919	0.4119	0.0959
0.0974	0.1254	0.3312	0.0045	0.8305	0.2786	0.3435
0.0920	0.4997	0.3399	0.8557	0.9453	0.3384	0.5404
0.7022	0.7616	0.7857	0.8478	0.9025	0.6921	0.4446
0.1277	0.6666	0.2280	0.5407	0.6006	0.7250	0.0984
0.6336	0.6214	0.0628	0.4758	0.4241	0.5905	0.6123
0.9782	0.1896	0.9366	0.0850	0.0083	0.0655	0.6443
0.3171	0.4237	0.0586	0.3796	0.0492	0.2380	0.5803
0.5703	0.9547	0.0597	0.5235	0.5200	0.1400	0.4344
0.3029	0.1351	0.5220	0.9708	0.4824	0.8036	0.6780

Columns 50 through 56

0.1908	0.6183	0.8347	0.3283	0.3660	0.0507	0.9163
0.9063	0.5350	0.1745	0.1313	0.5726	0.1927	0.2166
0.9868	0.0214	0.7882	0.5280	0.3360	0.8941	0.9446
0.9437	0.5363	0.3073	0.2132	0.2516	0.7763	0.5344
0.3204	0.0186	0.9315	0.9057	0.5640	0.1342	0.8393
0.0781	0.8224	0.8808	0.4227	0.8064	0.3569	0.9675
0.0130	0.7513	0.2049	0.4868	0.9310	0.5466	0.9885
0.7153	0.4709	0.5393	0.0808	0.8349	0.1359	0.3684
0.9000	0.7703	0.7302	0.9628	0.9061	0.5612	0.5249
0.6306	0.5791	0.8006	0.4793	0.5750	0.4216	0.6519
0.2709	0.3194	0.8500	0.1717	0.9468	0.3771	0.1532
0.1906	0.3643	0.4708	0.0590	0.0412	0.5754	0.0878
0.9827	0.1673	0.8644	0.8071	0.7220	0.8544	0.2471
0.4103	0.3659	0.6342	0.0115	0.6347	0.8455	0.1379
0.6212	0.8613	0.2208	0.1975	0.1983	0.7892	0.7176
0.9255	0.0446	0.1401	0.7112	0.7070	0.1502	0.0137
0.6320	0.9620	0.1449	0.5017	0.8886	0.6161	0.6184

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0.1536	0.0176	0.7741	0.8242	0.0723	0.1760	0.9739
0.2318	0.4879	0.5011	0.1670	0.9402	0.4634	0.5863
0.9386	0.3820	0.3309	0.8450	0.6249	0.0442	0.5048
0.4925	0.6866	0.8307	0.2989	0.3152	0.8438	0.1538
0.4854	0.5574	0.7303	0.5831	0.5612	0.5352	0.6631
0.5341	0.8885	0.0350	0.9721	0.0861	0.9223	0.7092
0.8981	0.5694	0.7973	0.8593	0.2465	0.7318	0.5825
0.4831	0.7071	0.7571	0.7213	0.3477	0.3933	0.5996
0.0730	0.5065	0.6933	0.6719	0.8646	0.6141	0.0231
0.7650	0.6476	0.4999	0.7990	0.0994	0.6084	0.7493
0.4830	0.1944	0.1948	0.8045	0.7383	0.8962	0.6679
0.1687	0.4753	0.6648	0.3499	0.2821	0.9700	0.0086
0.2938	0.0992	0.1638	0.0218	0.1202	0.5746	0.6491
0.2746	0.9511	0.3888	0.5562	0.8342	0.3399	0.1438
0.2923	0.3675	0.1531	0.2375	0.7642	0.8797	0.6522
0.9412	0.8568	0.0527	0.3635	0.7657	0.9568	0.3318
0.4087	0.9791	0.6923	0.4225	0.0948	0.7435	0.6456
0.4175	0.3072	0.0683	0.6349	0.7107	0.9197	0.6107
0.4659	0.8378	0.5710	0.8469	0.4631	0.6739	0.8094
0.3128	0.0461	0.9497	0.8714	0.0942	0.9375	0.8854
0.8614	0.8685	0.1088	0.9483	0.5846	0.1393	0.7245
0.5561	0.3356	0.5664	0.8918	0.8208	0.5184	0.5551
0.5530	0.3013	0.1321	0.1170	0.1455	0.4830	0.6947
0.0802	0.8953	0.1113	0.7169	0.8669	0.4588	0.5493
0.3529	0.5194	0.8034	0.6434	0.9696	0.7437	0.4082
0.3338	0.2605	0.8955	0.0689	0.0956	0.4985	0.1653
0.8409	0.9409	0.2901	0.7761	0.3879	0.1557	0.2289
0.3036	0.8077	0.5656	0.3134	0.7694	0.6713	0.1237
0.3335	0.1010	0.0198	0.3566	0.2949	0.8081	0.1996
0.7988	0.9859	0.3049	0.1213	0.8759	0.6417	0.0622
0.6005	0.1159	0.9091	0.2570	0.1529	0.4405	0.8908
0.0984	0.5239	0.5936	0.3929	0.9505	0.2595	0.7306
0.7454	0.1032	0.5815	0.9765	0.5462	0.5870	0.1220
0.3462	0.0861	0.8672	0.3324	0.8410	0.3120	0.1938
0.2703	0.5575	0.8343	0.5573	0.8305	0.8234	0.3966
0.2385	0.9183	0.1445	0.7699	0.3913	0.3292	0.7260
0.8464	0.0612	0.0531	0.5508	0.2631	0.5592	0.3740
0.5656	0.8795	0.8775	0.2881	0.7736	0.9067	0.2853
0.2334	0.4915	0.4198	0.4827	0.8332	0.0575	0.1057
0.2728	0.3414	0.1473	0.6654	0.2693	0.6794	0.7967
0.8911	0.8232	0.2256	0.9513	0.7474	0.7080	0.5118
0.5126	0.9467	0.3074	0.9079	0.6162	0.9489	0.6035
0.8068	0.6495	0.7633	0.8484	0.4066	0.9572	0.0477
0.9038	0.9778	0.3136	0.7660	0.6551	0.8158	0.4205
0.7000	0.5058	0.0203	0.1330	0.4570	0.8639	0.8391
0.4918	0.9046	0.8300	0.6612	0.7492	0.1676	0.3939
0.4113	0.5446	0.9918	0.5958	0.1034	0.3270	0.4109
0.4930	0.8193	0.9793	0.4314	0.1604	0.7731	0.2808
0.5669	0.8720	0.6054	0.7245	0.5560	0.0346	0.2381
0.8234	0.8212	0.5790	0.9607	0.4151	0.0384	0.8834
0.5133	0.7807	0.3595	0.0617	0.3318	0.9962	0.0319
0.2048	0.8832	0.8723	0.2739	0.2147	0.2202	0.7294
0.4880	0.0316	0.8239	0.5671	0.7719	0.6666	0.2885
0.0357	0.9821	0.2758	0.7734	0.7275	0.4555	0.6058

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0.0309	0.8783	0.4750	0.2286	0.8417	0.2728	0.7723
0.5901	0.6478	0.0669	0.4966	0.1523	0.2932	0.9486
0.2075	0.7065	0.0113	0.2133	0.8162	0.9327	0.2552
0.6077	0.9487	0.8399	0.9726	0.0936	0.8657	0.4149
0.1015	0.4321	0.0971	0.2968	0.5277	0.0978	0.0250
0.2382	0.9112	0.5045	0.6859	0.1709	0.1338	0.4691
0.8369	0.9832	0.8351	0.3709	0.6357	0.6733	0.6301
0.9143	0.4410	0.6530	0.3861	0.1465	0.4151	0.6423
0.1146	0.2498	0.6201	0.3802	0.9214	0.5102	0.5032
0.1754	0.6295	0.6758	0.5553	0.7573	0.0048	0.4044
0.9275	0.5984	0.8292	0.3295	0.9290	0.7829	0.5662
0.8899	0.0101	0.4384	0.2553	0.8373	0.0123	0.5764
0.9837	0.5364	0.0542	0.8655	0.0130	0.6812	0.7545
0.6936	0.5193	0.2209	0.0760	0.3232	0.8984	0.1211
0.7311	0.9220	0.8817	0.8653	0.2908	0.9618	0.6730
0.9342	0.1756	0.5648	0.8365	0.1151	0.2341	0.8478
0.7176	0.5970	0.1928	0.4673	0.8503	0.3827	0.2821
0.4764	0.0060	0.0781	0.7715	0.9789	0.5775	0.7650
0.5893	0.8090	0.1898	0.7603	0.5311	0.8165	0.4772
0.7138	0.5861	0.9654	0.1727	0.5519	0.8793	0.1674
0.1113	0.2831	0.3791	0.9638	0.5366	0.1630	0.7671
0.8148	0.2309	0.7316	0.8806	0.3261	0.5465	0.9608
0.4823	0.0968	0.1224	0.6014	0.5520	0.0310	0.2379
0.6836	0.5318	0.6114	0.0216	0.1793	0.5954	0.0513
0.8935	0.1376	0.2372	0.1818	0.5337	0.8899	0.1100
0.6917	0.7673	0.7808	0.2988	0.2355	0.4809	0.8020
0.0096	0.0464	0.3080	0.5433	0.4514	0.2619	0.3899
0.3026	0.0124	0.2930	0.7058	0.2435	0.1824	0.5716
0.5475	0.8248	0.8863	0.0349	0.8555	0.8678	0.1465

Columns 57 through 63

0.5058	0.5812	0.9383	0.9702	0.7820	0.9305	0.0325
0.9456	0.2782	0.0053	0.6434	0.3556	0.7951	0.1283
0.9012	0.3076	0.9630	0.4096	0.0327	0.1796	0.8057
0.4172	0.5146	0.8281	0.2264	0.8567	0.2161	0.1470
0.4547	0.3434	0.7549	0.6195	0.3397	0.7925	0.9743
0.3211	0.7887	0.7518	0.8581	0.3958	0.5044	0.1921
0.0995	0.7664	0.1800	0.8981	0.7717	0.3170	0.5063
0.4310	0.2601	0.3081	0.6017	0.9448	0.0741	0.2214
0.3148	0.3646	0.9366	0.6636	0.1258	0.7406	0.4906
0.9878	0.2709	0.2756	0.4452	0.6599	0.9596	0.4292
0.4341	0.4909	0.8571	0.1453	0.0763	0.0287	0.0060
0.4014	0.4549	0.4904	0.5794	0.4309	0.2024	0.1959
0.3948	0.9152	0.1324	0.9914	0.9423	0.1645	0.7587
0.1627	0.7899	0.6088	0.3628	0.6036	0.2053	0.3192
0.4175	0.6316	0.7237	0.5241	0.0623	0.3130	0.3523
0.5088	0.4834	0.5807	0.3515	0.2607	0.8601	0.6720
0.2822	0.3021	0.6651	0.0135	0.7049	0.5088	0.6003
0.6521	0.8993	0.8657	0.4328	0.9490	0.5902	0.4124
0.6217	0.6638	0.4976	0.2478	0.3253	0.5781	0.7998
0.7086	0.7167	0.2902	0.6606	0.4142	0.4655	0.6893
0.2531	0.2057	0.9981	0.3989	0.6803	0.0700	0.9661
0.4903	0.8245	0.4947	0.9133	0.0073	0.1985	0.8888

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0.3218	0.6856	0.8322	0.4123	0.4344	0.4001	0.6119
0.6473	0.7285	0.7382	0.4193	0.6062	0.5607	0.9649
0.9819	0.7462	0.5067	0.1471	0.8891	0.4309	0.4685
0.7816	0.5318	0.9690	0.4995	0.5889	0.4652	0.5923
0.3939	0.0411	0.0559	0.3857	0.7509	0.9191	0.3821
0.4578	0.4642	0.1064	0.3022	0.4119	0.4600	0.8023
0.5519	0.6921	0.7429	0.7776	0.8688	0.2183	0.4133
0.6699	0.7982	0.0924	0.1247	0.6509	0.2704	0.2683
0.7861	0.4612	0.6321	0.5386	0.5826	0.0094	0.2583
0.4083	0.0817	0.4810	0.8518	0.0394	0.8214	0.7748
0.6945	0.6809	0.4837	0.3706	0.6271	0.9299	0.7071
0.2809	0.8216	0.4226	0.3524	0.4002	0.4971	0.4325
0.1369	0.9438	0.5826	0.9652	0.2142	0.6583	0.3652
0.0119	0.1121	0.7497	0.3106	0.4632	0.3022	0.8709
0.0362	0.9323	0.1058	0.2240	0.6865	0.1470	0.7469
0.3528	0.7300	0.4729	0.9390	0.2699	0.2332	0.2936
0.8036	0.3046	0.1091	0.6624	0.6946	0.5539	0.2674
0.4356	0.5379	0.1335	0.4058	0.9455	0.7380	0.4747
0.1442	0.6886	0.3383	0.4048	0.4510	0.1707	0.1876
0.3119	0.3812	0.0909	0.4896	0.2721	0.2173	0.4645
0.1265	0.7464	0.9124	0.3320	0.7890	0.4420	0.9321
0.8397	0.9432	0.6606	0.9605	0.4195	0.6281	0.5228
0.4462	0.8727	0.5840	0.8769	0.6112	0.2337	0.5896
0.0987	0.9962	0.1544	0.5042	0.1800	0.0845	0.8695
0.9423	0.2297	0.5889	0.1072	0.2469	0.3528	0.4382
0.9626	0.1476	0.6293	0.5684	0.8873	0.1331	0.3230
0.2751	0.3879	0.2809	0.3811	0.1356	0.4638	0.7552
0.8443	0.0762	0.1558	0.6003	0.2845	0.0950	0.8397
0.8792	0.5130	0.5234	0.0514	0.2339	0.7143	0.5781
0.6250	0.0748	0.2593	0.6976	0.2662	0.3674	0.6666
0.4616	0.9082	0.0796	0.7752	0.0184	0.7630	0.4555
0.6927	0.5033	0.0456	0.8178	0.1057	0.4755	0.1212
0.3142	0.1440	0.0745	0.8880	0.6444	0.5677	0.4800
0.5160	0.5688	0.4801	0.6810	0.6965	0.2807	0.5510
0.3451	0.0967	0.5387	0.9019	0.9917	0.1506	0.5198
0.5559	0.7910	0.8623	0.8636	0.8657	0.2209	0.5529
0.7132	0.3158	0.2925	0.6492	0.0384	0.6686	0.3006
0.3608	0.2880	0.0041	0.4024	0.7006	0.2554	0.3820
0.1692	0.3780	0.5441	0.5339	0.0999	0.1022	0.3866
0.6502	0.3582	0.6187	0.0353	0.8089	0.6715	0.2930
0.3378	0.6527	0.3725	0.1217	0.0704	0.1896	0.0085
0.5229	0.4001	0.4668	0.5672	0.6464	0.3647	0.2316
0.6228	0.5039	0.8179	0.9898	0.6511	0.5435	0.1847
0.6794	0.9283	0.0832	0.3588	0.7032	0.1002	0.7573
0.9232	0.4275	0.0673	0.9206	0.4737	0.5449	0.7948
0.0867	0.4184	0.8155	0.4668	0.1175	0.5148	0.3115
0.5116	0.5010	0.2511	0.4516	0.7948	0.6153	0.3887
0.5967	0.8729	0.2319	0.9578	0.8128	0.1590	0.2339
0.7395	0.9312	0.3697	0.6275	0.6336	0.2719	0.4553
0.1743	0.4570	0.0120	0.8548	0.3230	0.7939	0.9390
0.5527	0.6487	0.3863	0.3344	0.5040	0.4361	0.8185
0.6926	0.7709	0.8091	0.5460	0.1379	0.1338	0.4087
0.0234	0.3494	0.7779	0.6239	0.4017	0.2728	0.7161
0.7049	0.6338	0.3903	0.8159	0.6016	0.6570	0.0317

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0.3776	0.1683	0.8289	0.4269	0.8696	0.5024	0.8338
0.9582	0.2722	0.4807	0.0455	0.0631	0.3876	0.9288
0.6046	0.2195	0.2374	0.7929	0.6875	0.3723	0.0379
0.4203	0.4143	0.7723	0.7838	0.7326	0.8702	0.4446
0.3630	0.2833	0.4207	0.6791	0.1126	0.6445	0.8102
0.0373	0.4516	0.0276	0.9507	0.9256	0.4545	0.0725
0.1744	0.7476	0.3644	0.3942	0.0793	0.0139	0.3345
0.4024	0.2280	0.4330	0.1275	0.0911	0.2496	0.2077
0.2399	0.0660	0.4913	0.6531	0.7960	0.6550	0.8826
0.1264	0.0697	0.2866	0.8912	0.1161	0.5025	0.7580
0.4292	0.2405	0.4739	0.1611	0.0051	0.4137	0.2832
0.9885	0.8109	0.4486	0.5318	0.0170	0.7649	0.4793
0.5476	0.9313	0.9566	0.4646	0.5691	0.2511	0.7482
0.5072	0.3459	0.5894	0.2775	0.9601	0.2511	0.3270
0.3005	0.4262	0.4913	0.8045	0.1237	0.4947	0.2966
0.5688	0.4916	0.2224	0.4240	0.0942	0.9795	0.8518
0.3119	0.8719	0.6472	0.0697	0.6542	0.7284	0.5632
0.0436	0.6782	0.3409	0.1456	0.2170	0.1380	0.3766
0.4754	0.4964	0.6849	0.5241	0.2451	0.6199	0.0926
0.7030	0.8631	0.9000	0.2859	0.1811	0.7410	0.4731
0.7075	0.4819	0.3203	0.4503	0.9011	0.3457	0.6721
0.5847	0.0497	0.3008	0.7926	0.4338	0.3093	0.4056
0.3864	0.5902	0.0942	0.8256	0.4566	0.2250	0.6498
0.0459	0.4981	0.2036	0.5773	0.1888	0.1757	0.9686

Columns 64 through 70

0.1707	0.7847	0.4695	0.2766	0.6505	0.5684	0.2479
0.1264	0.5911	0.4071	0.0160	0.3998	0.7624	0.7703
0.9151	0.3207	0.4465	0.9730	0.4154	0.5964	0.5156
0.7230	0.6269	0.6939	0.1143	0.1522	0.4098	0.9467
0.6649	0.9034	0.2458	0.2287	0.0250	0.9126	0.4801
0.8310	0.2589	0.2329	0.1115	0.0822	0.1632	0.3347
0.6118	0.3923	0.1266	0.9735	0.1562	0.1492	0.7446
0.2858	0.1967	0.5511	0.1538	0.9763	0.6057	0.6139
0.0490	0.8196	0.5478	0.6949	0.1676	0.8207	0.6201
0.8630	0.0568	0.0973	0.1228	0.7278	0.3826	0.6109
0.0609	0.4539	0.3206	0.7180	0.2206	0.4893	0.6995
0.4875	0.2476	0.1707	0.9080	0.2563	0.2607	0.6141
0.6340	0.3716	0.8535	0.7386	0.4978	0.2115	0.7431
0.7184	0.1581	0.3545	0.2321	0.0032	0.5836	0.6592
0.3522	0.5889	0.5307	0.2163	0.0430	0.8091	0.9625
0.7132	0.5559	0.3403	0.7165	0.5845	0.4331	0.5057
0.5303	0.1439	0.8933	0.7876	0.8794	0.5012	0.1609
0.1887	0.9794	0.1161	0.4069	0.2062	0.6752	0.4153
0.1202	0.7371	0.8384	0.8096	0.9654	0.7601	0.4111
0.6450	0.1070	0.2760	0.0613	0.5190	0.5174	0.1322
0.1335	0.0918	0.2430	0.1824	0.6562	0.6423	0.3037
0.7825	0.5274	0.3482	0.2752	0.1976	0.1124	0.6748
0.1875	0.3230	0.1623	0.9538	0.0919	0.2095	0.1003
0.5505	0.4798	0.8112	0.1595	0.4503	0.4839	0.9082
0.6241	0.1052	0.0686	0.3590	0.2992	0.6286	0.8790
0.6954	0.9761	0.7352	0.3314	0.5408	0.8679	0.1144
0.8615	0.7677	0.7594	0.8219	0.6211	0.1719	0.6874

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0.5507	0.8873	0.0628	0.1547	0.2943	0.7011	0.4529
0.9211	0.6720	0.7969	0.5301	0.3301	0.5507	0.8437
0.0666	0.8218	0.0950	0.3832	0.0000	0.9335	0.1929
0.9633	0.2190	0.0300	0.9410	0.0866	0.5900	0.6691
0.8649	0.8090	0.9016	0.9516	0.9553	0.9400	0.5375
0.0484	0.2580	0.7387	0.9943	0.1866	0.8776	0.4897
0.6593	0.7482	0.0962	0.3771	0.6968	0.3714	0.3029
0.9034	0.3944	0.5863	0.3810	0.6724	0.4449	0.9465
0.2025	0.0112	0.3751	0.6694	0.3846	0.2251	0.0754
0.1290	0.1630	0.7752	0.1259	0.7696	0.4930	0.3381
0.6240	0.1710	0.8293	0.4166	0.2582	0.8256	0.5172
0.0241	0.4659	0.8531	0.1263	0.2107	0.1636	0.9990
0.3356	0.3791	0.4654	0.5086	0.7880	0.9115	0.1612
0.9131	0.2089	0.4362	0.9056	0.8587	0.8543	0.1713
0.0872	0.1374	0.6245	0.7004	0.2999	0.0842	0.1587
0.5525	0.6889	0.9115	0.5322	0.8245	0.9397	0.2773
0.8590	0.6630	0.7710	0.6200	0.5009	0.9574	0.7307
0.4117	0.2262	0.8717	0.1175	0.3344	0.9464	0.6649
0.4101	0.3488	0.1640	0.1351	0.1466	0.3246	0.1602
0.6582	0.7415	0.8904	0.4160	0.2628	0.2001	0.0286
0.3245	0.1018	0.4104	0.7110	0.6498	0.3444	0.9275
0.1513	0.8153	0.6412	0.7106	0.0788	0.7814	0.7445
0.4431	0.3891	0.1178	0.6094	0.8110	0.8654	0.6030
0.9765	0.3037	0.8473	0.7596	0.5855	0.9586	0.3596
0.8390	0.8532	0.9117	0.5845	0.7492	0.2382	0.6232
0.2695	0.5708	0.1565	0.3918	0.6506	0.8208	0.4039
0.2712	0.3506	0.1542	0.9939	0.9716	0.7575	0.6486
0.5310	0.5206	0.7274	0.6063	0.9778	0.3477	0.5610
0.6933	0.3159	0.5421	0.9270	0.7012	0.4804	0.1954
0.4199	0.4917	0.1281	0.8763	0.1216	0.9645	0.0825
0.6047	0.4441	0.8340	0.0882	0.8152	0.0826	0.7277
0.6020	0.7914	0.5306	0.2828	0.7331	0.6715	0.5214
0.8468	0.5468	0.8020	0.0542	0.9319	0.3957	0.5167
0.2715	0.4146	0.0827	0.1502	0.0975	0.3927	0.0256
0.3826	0.2298	0.2246	0.7499	0.7634	0.9877	0.4647
0.8579	0.2138	0.8524	0.3999	0.3823	0.5184	0.4982
0.2073	0.8060	0.6253	0.6995	0.4910	0.6576	0.2478
0.1375	0.9421	0.7088	0.0878	0.5617	0.1224	0.8386
0.8666	0.2500	0.1146	0.6631	0.1142	0.6266	0.9321
0.7750	0.8410	0.9239	0.3880	0.0908	0.1072	0.9867
0.7633	0.0158	0.7881	0.4346	0.5477	0.0372	0.6582
0.5948	0.1379	0.6626	0.7946	0.0950	0.5537	0.2449
0.3163	0.8465	0.0869	0.3006	0.1476	0.1664	0.4902
0.6350	0.3137	0.8196	0.3852	0.8956	0.7889	0.6351
0.7486	0.5506	0.9955	0.8789	0.2614	0.1359	0.0571
0.8801	0.8042	0.1629	0.9042	0.8519	0.7823	0.0863
0.3834	0.0186	0.9133	0.7854	0.0379	0.4190	0.1923
0.0998	0.3151	0.6073	0.3096	0.5329	0.3158	0.2399
0.7434	0.4383	0.2227	0.0164	0.7260	0.3919	0.7706
0.1708	0.0054	0.6916	0.1652	0.0065	0.9003	0.0010
0.7663	0.4509	0.7030	0.2562	0.7824	0.6639	0.0498
0.6802	0.5569	0.9496	0.4744	0.4142	0.8105	0.8160
0.2186	0.2442	0.0422	0.3821	0.1898	0.8656	0.1352
0.5350	0.5818	0.1152	0.0349	0.6689	0.9014	0.3200

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0.6130	0.6254	0.6410	0.9949	0.9372	0.9415	0.2050
0.8624	0.3704	0.7775	0.1090	0.2995	0.6507	0.1776
0.0278	0.0947	0.0481	0.8288	0.9111	0.3835	0.1832
0.5658	0.7422	0.6841	0.9399	0.3697	0.9383	0.9577
0.0918	0.7017	0.4252	0.8345	0.5326	0.2217	0.5602
0.3443	0.3609	0.7676	0.1638	0.6150	0.7633	0.7737
0.7664	0.7630	0.3615	0.1882	0.4276	0.9004	0.8457
0.5569	0.7108	0.1986	0.3579	0.1293	0.4891	0.4777
0.1469	0.5989	0.9042	0.6742	0.6530	0.3592	0.0244
0.8836	0.3191	0.1058	0.9300	0.7698	0.2214	0.3248
0.0682	0.5616	0.5743	0.1546	0.5242	0.2270	0.2098
0.3313	0.2159	0.2424	0.9339	0.6179	0.2504	0.8666
0.0266	0.1575	0.7212	0.8138	0.3187	0.5172	0.3695
0.2806	0.5275	0.6235	0.1712	0.5935	0.1786	0.3236
0.2066	0.3093	0.4551	0.5756	0.8728	0.6518	0.5484
0.7711	0.6075	0.7833	0.0678	0.9174	0.1521	0.2103
0.0936	0.4813	0.3377	0.9729	0.2941	0.4183	0.1034
0.2156	0.5658	0.1522	0.2333	0.5886	0.7668	0.2724
0.0875	0.1413	0.6239	0.8876	0.4140	0.2651	0.3886

Columns 71 through 77

0.7052	0.6999	0.8859	0.9682	0.5893	0.9283	0.2443
0.4295	0.7074	0.1746	0.7992	0.3436	0.9558	0.0963
0.5939	0.2420	0.0739	0.9785	0.2726	0.6705	0.2135
0.3119	0.4913	0.2693	0.9163	0.2507	0.5128	0.4628
0.7277	0.5533	0.2127	0.5291	0.8567	0.8018	0.8104
0.3443	0.4407	0.3287	0.9717	0.5327	0.2228	0.6408
0.9736	0.6683	0.6608	0.2643	0.6544	0.8847	0.5585
0.4129	0.9341	0.4802	0.5083	0.2639	0.7182	0.6797
0.4796	0.6522	0.2116	0.4864	0.8955	0.8257	0.3265
0.6421	0.1672	0.8311	0.4967	0.9674	0.1111	0.4540
0.7716	0.2400	0.2209	0.3224	0.4375	0.5628	0.6654
0.2597	0.3853	0.7233	0.6946	0.8773	0.8743	0.3239
0.1824	0.3207	0.6615	0.2768	0.8559	0.8172	0.3689
0.9780	0.5777	0.2260	0.4642	0.1651	0.0691	0.6943
0.7996	0.9872	0.7418	0.6906	0.0185	0.5467	0.3897
0.3261	0.2684	0.8922	0.2012	0.4012	0.9872	0.4277
0.3330	0.5781	0.7216	0.5386	0.3430	0.7890	0.2219
0.2064	0.2921	0.4110	0.3847	0.7512	0.2364	0.7525
0.6810	0.9183	0.7156	0.7960	0.1280	0.3901	0.7749
0.1966	0.1144	0.9416	0.1619	0.9603	0.1279	0.4358
0.2773	0.4744	0.9354	0.6660	0.2033	0.1047	0.0714
0.6359	0.7991	0.5666	0.3169	0.5181	0.3317	0.6645
0.1020	0.8258	0.0353	0.3358	0.6984	0.7452	0.4313
0.0807	0.3739	0.0602	0.4962	0.7724	0.4122	0.9283
0.7427	0.2916	0.1885	0.6134	0.6641	0.8571	0.7464
0.3349	0.3746	0.3761	0.2954	0.2931	0.5909	0.3599
0.6162	0.9867	0.5687	0.0472	0.9641	0.6782	0.3765
0.4752	0.4333	0.6690	0.8008	0.3629	0.5351	0.1534
0.7494	0.8154	0.9050	0.1997	0.1812	0.0923	0.6642
0.6267	0.0643	0.7794	0.4380	0.5926	0.3911	0.1789
0.3006	0.4278	0.8861	0.3839	0.4882	0.4472	0.8826
0.9300	0.0199	0.6540	0.5399	0.2462	0.0587	0.0122

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0.4899	0.3815	0.1263	0.3947	0.9427	0.7169	0.0576
0.1107	0.4140	0.0016	0.4314	0.4858	0.2985	0.7698
0.8164	0.5598	0.1739	0.1602	0.9128	0.9959	0.0463
0.9053	0.8834	0.6339	0.2201	0.1322	0.0846	0.8763
0.6323	0.4866	0.8180	0.0271	0.3089	0.0152	0.7688
0.3401	0.7641	0.4491	0.5325	0.4161	0.1997	0.0976
0.5479	0.6708	0.8089	0.7164	0.4054	0.8072	0.4456
0.0820	0.8087	0.0287	0.0031	0.9660	0.4702	0.5806
0.3487	0.9924	0.0350	0.3763	0.1857	0.3125	0.6069
0.9248	0.8296	0.3835	0.2238	0.7566	0.2858	0.2066
0.8460	0.2073	0.3067	0.9275	0.9474	0.9803	0.1535
0.1954	0.8752	0.3197	0.3646	0.5687	0.7583	0.5059
0.8104	0.1325	0.2305	0.8826	0.0792	0.1304	0.4838
0.2744	0.3871	0.8861	0.1034	0.0616	0.6272	0.1229
0.6413	0.1355	0.4873	0.0235	0.6299	0.4574	0.2999
0.5552	0.9715	0.0411	0.0272	0.2002	0.6763	0.1361
0.5661	0.0769	0.7119	0.1601	0.7520	0.7072	0.0525
0.8577	0.7727	0.6436	0.6438	0.3283	0.1736	0.3843
0.1009	0.7726	0.9541	0.7865	0.4597	0.5046	0.7396
0.8758	0.3151	0.6618	0.3585	0.4596	0.5319	0.6559
0.7295	0.4089	0.2816	0.4524	0.3344	0.5362	0.9582
0.4430	0.5526	0.7789	0.3850	0.6932	0.4158	0.5053
0.2070	0.4350	0.0739	0.8971	0.6272	0.5560	0.6359
0.1554	0.1179	0.2897	0.9419	0.1164	0.6756	0.3460
0.7292	0.7647	0.3313	0.2211	0.0570	0.5115	0.2461
0.2984	0.6618	0.2035	0.7803	0.4316	0.5649	0.9512
0.5650	0.8595	0.5862	0.4532	0.9322	0.0942	0.1654
0.5554	0.9345	0.5610	0.5216	0.1068	0.4701	0.5275
0.7127	0.4698	0.0048	0.9489	0.0216	0.1680	0.9970
0.9869	0.8239	0.6909	0.1702	0.6816	0.7210	0.9093
0.4846	0.0893	0.2969	0.6877	0.7345	0.9822	0.6518
0.7463	0.2996	0.4995	0.3600	0.2426	0.9189	0.1314
0.5331	0.0792	0.4033	0.0784	0.8817	0.4063	0.7244
0.9911	0.3492	0.6264	0.2963	0.5937	0.7465	0.6333
0.1227	0.8092	0.6527	0.7528	0.5885	0.4390	0.7975
0.9516	0.7002	0.0644	0.7848	0.4143	0.8484	0.7482
0.1324	0.9755	0.6276	0.7132	0.0784	0.4454	0.0342
0.1209	0.9257	0.4893	0.0987	0.7274	0.7162	0.5028
0.9137	0.0939	0.0116	0.4231	0.8542	0.6569	0.3759
0.9484	0.1352	0.0057	0.9145	0.3437	0.0673	0.8932
0.6644	0.0581	0.4871	0.4235	0.8737	0.6136	0.1829
0.5607	0.6134	0.8003	0.1203	0.8222	0.2362	0.1158
0.1572	0.8303	0.7064	0.2733	0.1920	0.5328	0.4024
0.6966	0.5944	0.2340	0.6642	0.6611	0.1827	0.6812
0.4122	0.3596	0.4052	0.8349	0.0850	0.9840	0.7504
0.5842	0.9722	0.7042	0.3669	0.6425	0.6921	0.7177
0.9885	0.2630	0.2952	0.9421	0.5624	0.2904	0.7329
0.0176	0.9727	0.8820	0.1565	0.9111	0.6705	0.3155
0.6218	0.5506	0.0635	0.8162	0.8267	0.5740	0.6705
0.1406	0.4453	0.6237	0.6995	0.3575	0.8176	0.1141
0.8036	0.8984	0.5967	0.6439	0.7644	0.2505	0.9492
0.0815	0.5024	0.7905	0.5710	0.7342	0.2337	0.4782
0.3299	0.9189	0.5995	0.0013	0.0803	0.2695	0.5954
0.2569	0.9327	0.8473	0.8490	0.5086	0.2143	0.6005

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0.0740	0.1149	0.1585	0.7534	0.3048	0.9717	0.3963
0.2724	0.7378	0.9526	0.1085	0.5977	0.9440	0.0850
0.5099	0.6618	0.6639	0.8908	0.5055	0.8922	0.2615
0.3983	0.7658	0.8771	0.3571	0.1690	0.0339	0.2651
0.0046	0.1306	0.1176	0.1506	0.8096	0.3001	0.5039
0.1288	0.9795	0.7575	0.7904	0.6524	0.3429	0.2129
0.9184	0.6718	0.4935	0.5336	0.5366	0.2142	0.3540
0.2748	0.8770	0.2289	0.3069	0.8904	0.9841	0.1948
0.7519	0.0541	0.5100	0.4145	0.0546	0.3063	0.5094
0.9785	0.4914	0.1453	0.7323	0.2910	0.7035	0.6888
0.5733	0.4880	0.0841	0.3789	0.5725	0.4523	0.4527
0.4794	0.5818	0.5013	0.3319	0.5014	0.9410	0.9660
0.1188	0.9116	0.9701	0.1649	0.7289	0.3791	0.7618
0.5505	0.7537	0.1322	0.3763	0.4720	0.8900	0.0134

Columns 78 through 84

0.9017	0.0607	0.0295	0.0759	0.8177	0.8174	0.3517
0.5139	0.3212	0.2673	0.8670	0.6084	0.8133	0.3754
0.6271	0.3399	0.3499	0.9223	0.5682	0.8725	0.2922
0.7201	0.5696	0.8304	0.8971	0.5070	0.4112	0.3363
0.0246	0.2218	0.3769	0.6712	0.8650	0.1163	0.8347
0.6698	0.5159	0.9308	0.3801	0.6722	0.0260	0.9310
0.7615	0.8954	0.5346	0.2187	0.2886	0.1403	0.6604
0.1267	0.2202	0.7176	0.3745	0.9058	0.6769	0.8004
0.6841	0.4467	0.4134	0.5837	0.0595	0.8414	0.2898
0.7087	0.4869	0.4896	0.2448	0.5285	0.6043	0.9801
0.7255	0.8097	0.5599	0.9353	0.5082	0.1703	0.9347
0.8325	0.9965	0.5320	0.4194	0.4880	0.5678	0.2529
0.6004	0.4167	0.5005	0.6505	0.8497	0.8448	0.7020
0.9756	0.0540	0.0456	0.0456	0.8838	0.3876	0.2272
0.9055	0.8929	0.8420	0.3477	0.9315	0.6143	0.7026
0.0608	0.9057	0.8056	0.2943	0.1505	0.5114	0.3724
0.7528	0.1245	0.0526	0.3082	0.0313	0.4221	0.7644
0.5049	0.2110	0.8924	0.1064	0.1959	0.1003	0.5788
0.1807	0.5391	0.7513	0.8584	0.6370	0.7758	0.3466
0.0211	0.5080	0.9167	0.0264	0.7508	0.2611	0.6479
0.9724	0.5506	0.0427	0.1308	0.3088	0.0558	0.7901
0.0650	0.0188	0.5120	0.8007	0.4257	0.3624	0.2143
0.6854	0.7562	0.5955	0.4166	0.6274	0.2047	0.9642
0.9152	0.4407	0.0362	0.9564	0.6238	0.6839	0.1844
0.7329	0.3501	0.0933	0.5278	0.5882	0.1214	0.6885
0.8393	0.8839	0.9714	0.9893	0.3075	0.4965	0.8778
0.8009	0.9599	0.3154	0.9561	0.3253	0.6539	0.9605
0.1061	0.5801	0.5780	0.5747	0.9444	0.5314	0.4480
0.7150	0.5120	0.1620	0.3231	0.8679	0.9549	0.6602
0.9768	0.3149	0.7192	0.9161	0.6331	0.7115	0.1779
0.0911	0.3243	0.0240	0.8334	0.5565	0.8489	0.5702
0.8297	0.0721	0.3426	0.2697	0.3698	0.4646	0.8754
0.2798	0.4345	0.4846	0.9091	0.5312	0.8319	0.1890
0.0491	0.5938	0.9835	0.7759	0.6954	0.5520	0.5206
0.5442	0.3455	0.5318	0.4190	0.7355	0.3636	0.4129
0.7949	0.4970	0.6380	0.8227	0.6427	0.6770	0.3908
0.5409	0.4104	0.3518	0.3854	0.7707	0.7657	0.4609

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0.2097	0.2781	0.9832	0.5313	0.2246	0.4623	0.8419
0.2999	0.8435	0.1303	0.0445	0.4318	0.6169	0.1055
0.5954	0.0508	0.2742	0.9913	0.2806	0.1953	0.5838
0.6773	0.7328	0.7298	0.4755	0.8249	0.6765	0.4176
0.5968	0.9505	0.4585	0.9285	0.5677	0.1965	0.2859
0.3151	0.3242	0.8470	0.6815	0.7777	0.5662	0.8529
0.8802	0.8657	0.9872	0.4551	0.4025	0.9510	0.3230
0.9682	0.3180	0.8737	0.0925	0.6856	0.9624	0.0473
0.9205	0.2425	0.4041	0.9799	0.8302	0.7809	0.7368
0.3522	0.2364	0.3092	0.2909	0.8109	0.7714	0.0261
0.1254	0.3557	0.5890	0.3182	0.8432	0.4989	0.0060
0.2411	0.1843	0.8016	0.5956	0.3484	0.1117	0.4256
0.4824	0.5643	0.6087	0.9092	0.9388	0.9154	0.1143
0.9179	0.8433	0.8652	0.3628	0.0726	0.8553	0.1107
0.2776	0.4485	0.9472	0.2764	0.1915	0.1949	0.6004
0.6338	0.5158	0.3238	0.5000	0.5493	0.3791	0.3712
0.5907	0.7206	0.9669	0.5444	0.4731	0.1996	0.1978
0.4350	0.7189	0.5200	0.9958	0.0760	0.6332	0.5444
0.8320	0.0557	0.7330	0.7100	0.0277	0.1110	0.4056
0.1176	0.4013	0.6465	0.7687	0.0517	0.9709	0.8866
0.4667	0.8912	0.6859	0.7074	0.3943	0.9433	0.3253
0.3273	0.5510	0.3708	0.7201	0.9723	0.6439	0.3701
0.1981	0.3996	0.7090	0.7111	0.3579	0.4285	0.4407
0.8087	0.9859	0.5503	0.8545	0.5298	0.8361	0.1108
0.8408	0.7784	0.4531	0.2940	0.7544	0.1446	0.5305
0.7470	0.9512	0.7047	0.8432	0.3612	0.1662	0.1392
0.7905	0.6060	0.7224	0.9757	0.2156	0.9145	0.6484
0.9313	0.2422	0.1880	0.6623	0.0146	0.4814	0.9576
0.8001	0.5717	0.8907	0.4110	0.6718	0.3992	0.6643
0.7262	0.7158	0.2385	0.1720	0.1834	0.5200	0.7958
0.6283	0.5552	0.1586	0.4526	0.5363	0.9170	0.4238
0.0280	0.3890	0.0382	0.9063	0.2629	0.6660	0.1466
0.3891	0.7053	0.6116	0.5210	0.3270	0.1001	0.4831
0.1624	0.7788	0.4265	0.8545	0.9781	0.9290	0.8299
0.2948	0.3245	0.8878	0.3248	0.1994	0.2260	0.3070
0.6696	0.9501	0.5579	0.8633	0.8025	0.8281	0.9002
0.8803	0.0242	0.3635	0.5215	0.4575	0.9245	0.5363
0.0697	0.3303	0.3732	0.9144	0.5725	0.8105	0.0668
0.1336	0.2992	0.5367	0.2788	0.1858	0.7228	0.1738
0.5549	0.7141	0.0621	0.9262	0.1194	0.1426	0.0674
0.8983	0.4119	0.6037	0.8610	0.2607	0.7254	0.8218
0.0111	0.9130	0.1107	0.3139	0.6180	0.7716	0.2816
0.4938	0.6374	0.1838	0.1250	0.4970	0.6858	0.8030
0.4556	0.4425	0.5077	0.6692	0.9882	0.9467	0.1254
0.8533	0.4546	0.5039	0.7837	0.1431	0.7150	0.3809
0.6459	0.8761	0.4083	0.3858	0.3540	0.2454	0.2072
0.3075	0.3787	0.6326	0.3871	0.5289	0.1851	0.1839
0.0577	0.7068	0.7585	0.8517	0.6851	0.2609	0.7346
0.1240	0.1560	0.6434	0.4491	0.5158	0.0785	0.7590
0.9416	0.9190	0.7422	0.8286	0.0907	0.0310	0.9767
0.8707	0.1472	0.3659	0.8356	0.9589	0.4840	0.6828
0.4213	0.3291	0.3978	0.8926	0.4463	0.4071	0.8226
0.0373	0.3389	0.5724	0.7514	0.3271	0.4687	0.1611
0.7781	0.9174	0.0893	0.6746	0.0363	0.6279	0.0724

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0.3214	0.2423	0.8311	0.1203	0.5133	0.2927	0.4778
0.6307	0.7689	0.0646	0.0295	0.8053	0.1055	0.3649
0.7084	0.1232	0.5901	0.6136	0.9360	0.5327	0.6526
0.8894	0.6504	0.5516	0.7320	0.4847	0.9146	0.7814
0.4324	0.3685	0.9089	0.9525	0.4698	0.6113	0.6235
0.9633	0.9623	0.2153	0.6264	0.8443	0.8834	0.0428
0.5466	0.3790	0.2939	0.4688	0.1212	0.3228	0.5538
0.6861	0.5879	0.8616	0.4861	0.1513	0.2238	0.8245
0.5103	0.4251	0.9042	0.8663	0.6646	0.7298	0.5245

Columns 85 through 91

0.9745	0.4630	0.3712	0.3726	0.3599	0.9423	0.5034
0.5317	0.8087	0.3866	0.1055	0.3948	0.0165	0.0710
0.9417	0.9645	0.2005	0.2464	0.6705	0.2601	0.5960
0.7712	0.1279	0.8325	0.8869	0.1386	0.4770	0.6356
0.9884	0.4079	0.3528	0.6937	0.3920	0.5681	0.3406
0.5422	0.6115	0.4323	0.2400	0.3179	0.7590	0.2281
0.6945	0.1712	0.3378	0.8749	0.8258	0.2514	0.3658
0.4720	0.6806	0.1493	0.7274	0.1077	0.4036	0.0370
0.2548	0.4981	0.2279	0.7255	0.9387	0.0773	0.1795
0.1754	0.4240	0.6218	0.6572	0.4125	0.2019	0.1183
0.8888	0.9871	0.7798	0.7051	0.7785	0.8895	0.6928
0.7047	0.4416	0.2328	0.0045	0.4344	0.6580	0.7242
0.0880	0.7872	0.0236	0.8352	0.1891	0.6348	0.0003
0.6612	0.5458	0.5892	0.6217	0.0793	0.0157	0.6659
0.9094	0.8597	0.1551	0.2944	0.9100	0.1846	0.9499
0.7339	0.9050	0.1328	0.5579	0.3623	0.0249	0.6640
0.2550	0.7858	0.6022	0.1113	0.8785	0.7946	0.0245
0.1631	0.8812	0.7210	0.2223	0.5247	0.3014	0.0502
0.2529	0.0982	0.7347	0.5356	0.4211	0.4865	0.4226
0.6650	0.2258	0.8843	0.5994	0.8890	0.4931	0.1443
0.4779	0.6498	0.8478	0.8865	0.3813	0.0603	0.3325
0.4875	0.4717	0.2752	0.1506	0.3663	0.7141	0.2779
0.2872	0.7017	0.4928	0.9953	0.2186	0.0004	0.9696
0.6657	0.1480	0.3705	0.2249	0.8862	0.7179	0.2658
0.5122	0.2009	0.7649	0.9566	0.3978	0.4608	0.4039
0.6254	0.3768	0.8046	0.1668	0.1422	0.7032	0.2682
0.4775	0.3326	0.5854	0.6643	0.8159	0.7888	0.7804
0.3334	0.3476	0.6799	0.3350	0.4593	0.0087	0.7104
0.8935	0.6123	0.2247	0.5132	0.2591	0.2505	0.7576
0.3610	0.5061	0.2120	0.4609	0.7036	0.0932	0.2346
0.5439	0.2554	0.6860	0.6610	0.4396	0.7846	0.4272
0.1845	0.9930	0.8900	0.1267	0.0259	0.0160	0.1547
0.9647	0.5337	0.2531	0.5437	0.3217	0.8347	0.0178
0.8578	0.3129	0.8459	0.1324	0.4291	0.0692	0.5602
0.2114	0.4042	0.1260	0.4185	0.2725	0.1901	0.3987
0.5169	0.7890	0.6387	0.6293	0.1601	0.0771	0.1791
0.0511	0.0213	0.9486	0.5108	0.7914	0.7508	0.7852
0.4141	0.1199	0.7881	0.9348	0.5477	0.1460	0.3096
0.3355	0.2883	0.6101	0.6125	0.3105	0.3902	0.5268
0.3473	0.9021	0.5708	0.9953	0.8953	0.4591	0.3101
0.0492	0.5070	0.0057	0.9603	0.3663	0.1990	0.8763
0.2311	0.9108	0.6032	0.6284	0.3290	0.3237	0.0841

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0.2115	0.2698	0.2482	0.2449	0.6148	0.9583	0.4781
0.2044	0.8341	0.3083	0.4322	0.1960	0.1580	0.1173
0.7020	0.6214	0.7032	0.4183	0.3272	0.7160	0.7110
0.1817	0.5860	0.4941	0.9077	0.1774	0.2349	0.5470
0.3288	0.6218	0.9672	0.1269	0.4583	0.8112	0.9489
0.2543	0.3594	0.0515	0.9845	0.8010	0.7843	0.6758
0.5188	0.4750	0.9272	0.2242	0.4354	0.7429	0.2769
0.5697	0.3140	0.2663	0.7233	0.0830	0.7426	0.4658
0.2419	0.0665	0.9442	0.8571	0.5818	0.0864	0.6627
0.1555	0.2430	0.6439	0.2908	0.5540	0.3043	0.6215
0.8558	0.6058	0.4736	0.9600	0.0358	0.4579	0.0966
0.2731	0.4320	0.7876	0.3898	0.1647	0.5443	0.7411
0.5371	0.4351	0.0082	0.6118	0.9208	0.4249	0.8545
0.6406	0.0950	0.1475	0.7794	0.3826	0.2247	0.6771
0.8670	0.0594	0.6857	0.3100	0.5186	0.3564	0.7085
0.9723	0.8732	0.5401	0.9719	0.3180	0.0878	0.0967
0.5712	0.1663	0.5457	0.8134	0.5330	0.4204	0.3859
0.7653	0.1416	0.4828	0.9509	0.6819	0.0545	0.0542
0.7090	0.6551	0.1092	0.4223	0.3313	0.9984	0.7896
0.9660	0.0857	0.5664	0.3701	0.2054	0.1898	0.1857
0.6285	0.7749	0.3479	0.6535	0.6637	0.2690	0.3430
0.5469	0.5235	0.8231	0.8817	0.9448	0.1090	0.0803
0.5618	0.2422	0.4758	0.8154	0.1347	0.9505	0.8187
0.2009	0.1283	0.9796	0.5983	0.3070	0.6575	0.1608
0.6746	0.1215	0.0627	0.5012	0.7438	0.8769	0.7805
0.1837	0.0455	0.2201	0.4172	0.5975	0.9122	0.9701
0.6423	0.7903	0.5700	0.4898	0.0523	0.0289	0.3762
0.4377	0.0782	0.2943	0.9216	0.6129	0.4573	0.8037
0.6716	0.4616	0.3498	0.5310	0.2470	0.4250	0.1492
0.8400	0.8533	0.5023	0.7870	0.3554	0.4875	0.8809
0.7908	0.6534	0.9015	0.0936	0.0229	0.9081	0.4956
0.7659	0.8017	0.4915	0.1007	0.5843	0.9027	0.1558
0.5485	0.9851	0.0549	0.2710	0.0877	0.6292	0.6804
0.0110	0.7077	0.1766	0.9474	0.6701	0.8653	0.6157
0.8093	0.3725	0.4092	0.9755	0.5703	0.6673	0.6068
0.8142	0.7043	0.6503	0.7219	0.9198	0.3513	0.7711
0.6510	0.8048	0.4885	0.6668	0.2719	0.2242	0.2734
0.0538	0.0885	0.9370	0.8650	0.8101	0.1710	0.9752
0.4435	0.0692	0.8993	0.4331	0.1339	0.0040	0.4534
0.2985	0.7732	0.6601	0.2604	0.1068	0.4887	0.4297
0.4325	0.8650	0.8314	0.4268	0.8000	0.4806	0.4992
0.9955	0.3538	0.8628	0.8533	0.3087	0.2774	0.0577
0.9574	0.6846	0.3536	0.8003	0.0816	0.7670	0.4427
0.6244	0.6044	0.3958	0.8921	0.9756	0.7554	0.2363
0.3549	0.1955	0.0615	0.1378	0.2340	0.2998	0.1988
0.9372	0.6486	0.5766	0.7742	0.1823	0.4836	0.5119
0.1384	0.3291	0.7344	0.3060	0.8411	0.3992	0.6392
0.2732	0.4239	0.9108	0.2006	0.2461	0.3787	0.1369
0.2688	0.8094	0.4983	0.4203	0.0915	0.5079	0.2636
0.6697	0.7091	0.3416	0.0499	0.9888	0.7677	0.7184
0.0727	0.3004	0.2548	0.2842	0.4569	0.3868	0.5008
0.1671	0.0993	0.8596	0.0896	0.5621	0.6426	0.1614
0.5228	0.3509	0.5572	0.0415	0.3522	0.3068	0.3628
0.2074	0.8642	0.9674	0.3071	0.0532	0.4126	0.1207

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0.6654	0.8804	0.9285	0.8305	0.0129	0.1212	0.7193
0.9533	0.9805	0.4116	0.0109	0.9298	0.7180	0.2726
0.4134	0.4343	0.0753	0.8527	0.4425	0.5228	0.6791
0.0467	0.1898	0.9717	0.3409	0.7017	0.3866	0.6768

Columns 92 through 98

0.2611	0.8074	0.1425	0.8141	0.4281	0.5328	0.7276
0.4829	0.3633	0.8737	0.7029	0.8986	0.8314	0.2680
0.4825	0.4733	0.3097	0.0052	0.5247	0.6823	0.7685
0.4066	0.4488	0.1711	0.1577	0.8305	0.5171	0.8414
0.8691	0.7123	0.8411	0.6590	0.5175	0.4098	0.4027
0.8748	0.8081	0.4671	0.8582	0.3963	0.1451	0.9404
0.3647	0.2214	0.5354	0.3935	0.2064	0.2454	0.0156
0.5848	0.2989	0.9862	0.6920	0.7215	0.6989	0.6141
0.8055	0.9803	0.1115	0.9811	0.3653	0.4183	0.1588
0.7472	0.7042	0.6371	0.9186	0.5545	0.1523	0.3812
0.2034	0.4006	0.1312	0.5154	0.6394	0.8134	0.4248
0.1842	0.3769	0.9025	0.6337	0.7537	0.0961	0.6812
0.2463	0.3320	0.9193	0.3802	0.4511	0.8733	0.3862
0.8731	0.7333	0.5552	0.0908	0.0208	0.5155	0.2540
0.4329	0.5425	0.3268	0.2315	0.1966	0.1637	0.7689
0.2961	0.5528	0.9131	0.0841	0.2596	0.7458	0.1821
0.4341	0.1378	0.4340	0.9878	0.5163	0.4302	0.9985
0.5875	0.6844	0.7833	0.4619	0.2487	0.1577	0.3212
0.7149	0.2879	0.2320	0.7659	0.6371	0.0850	0.1207
0.1781	0.9200	0.2473	0.7473	0.6933	0.8639	0.7771
0.8898	0.1237	0.0612	0.4700	0.7606	0.7771	0.9623
0.3545	0.7569	0.5346	0.4482	0.2611	0.2670	0.3924
0.9014	0.4437	0.4872	0.8038	0.1954	0.2847	0.6756
0.5733	0.8882	0.8000	0.5995	0.8402	0.6070	0.2969
0.4515	0.8493	0.6772	0.4269	0.2128	0.0473	0.2293
0.4787	0.6496	0.6976	0.3122	0.7204	0.8356	0.8407
0.7367	0.9732	0.3558	0.3097	0.5977	0.9688	0.3898
0.5861	0.8640	0.5556	0.7190	0.1502	0.7501	0.6224
0.7267	0.4733	0.5310	0.6872	0.5730	0.9242	0.8150
0.3923	0.9067	0.3842	0.5533	0.4017	0.1070	0.9570
0.8862	0.3253	0.7513	0.8791	0.3394	0.9092	0.4957
0.9603	0.6368	0.6798	0.0646	0.5494	0.8196	0.8438
0.5780	0.9357	0.5911	0.8913	0.8559	0.6436	0.5442
0.3247	0.4041	0.0717	0.6253	0.4537	0.9988	0.6019
0.0422	0.8857	0.1502	0.0604	0.3546	0.2148	0.4436
0.3966	0.6170	0.3214	0.9817	0.4144	0.9907	0.6819
0.7302	0.0902	0.8732	0.8951	0.3217	0.0225	0.6728
0.6070	0.7196	0.7899	0.3031	0.9080	0.3952	0.9189
0.7190	0.1267	0.6734	0.5432	0.9498	0.5630	0.6130
0.2510	0.8532	0.4002	0.3481	0.7051	0.5639	0.2328
0.0533	0.0509	0.9538	0.3652	0.0927	0.4694	0.1434
0.7591	0.3618	0.8524	0.5131	0.8091	0.4436	0.1732
0.7859	0.8733	0.3890	0.8017	0.2709	0.2016	0.7530
0.0846	0.5153	0.6805	0.4766	0.6868	0.1962	0.0755
0.7662	0.5870	0.4673	0.9905	0.9134	0.8522	0.0740
0.7799	0.7008	0.1508	0.3731	0.0937	0.6911	0.2550
0.7917	0.8630	0.2404	0.8471	0.2970	0.3789	0.1541

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0.8145	0.2098	0.2182	0.0340	0.7701	0.1903	0.1904
0.5921	0.3853	0.5820	0.7766	0.5190	0.2556	0.6470
0.4995	0.8007	0.3232	0.3325	0.6171	0.2969	0.7882
0.5803	0.4962	0.0265	0.2603	0.1192	0.8958	0.0082
0.1247	0.0992	0.6031	0.6494	0.5605	0.9910	0.9836
0.7910	0.3954	0.5463	0.9663	0.9565	0.0840	0.0079
0.2675	0.8977	0.6056	0.5842	0.7274	0.3470	0.8115
0.7804	0.1525	0.4869	0.8668	0.9233	0.0885	0.1088
0.8666	0.7636	0.9968	0.5219	0.0533	0.6306	0.9200
0.8078	0.9779	0.3101	0.4122	0.7253	0.2518	0.0292
0.3413	0.1564	0.2715	0.5400	0.0822	0.4259	0.6073
0.2167	0.9053	0.2052	0.2868	0.7237	0.5091	0.7216
0.1063	0.3546	0.8606	0.6802	0.0460	0.2785	0.0781
0.8034	0.6913	0.1284	0.4070	0.5855	0.5383	0.7244
0.5122	0.0726	0.8176	0.1347	0.3012	0.8025	0.9165
0.4473	0.3573	0.8596	0.5819	0.4146	0.1223	0.6978
0.5847	0.8586	0.4974	0.1238	0.9586	0.7505	0.8871
0.3125	0.4497	0.8724	0.9419	0.1985	0.4799	0.6023
0.2041	0.1049	0.7106	0.3230	0.4940	0.9989	0.9769
0.6377	0.5162	0.6297	0.7210	0.0894	0.4670	0.8085
0.4855	0.4213	0.6315	0.8304	0.8408	0.5411	0.9677
0.1027	0.7818	0.9217	0.0626	0.6445	0.0883	0.4408
0.0634	0.9153	0.9835	0.2372	0.0076	0.9699	0.7000
0.7221	0.6774	0.6695	0.6068	0.9581	0.6224	0.6092
0.2424	0.5917	0.1473	0.8294	0.2240	0.4498	0.3932
0.7019	0.5018	0.0334	0.6882	0.2298	0.9100	0.1330
0.5470	0.8614	0.2142	0.0475	0.7781	0.9064	0.6493
0.7693	0.3676	0.3347	0.6841	0.9923	0.1265	0.5579
0.7291	0.5883	0.5584	0.8981	0.5468	0.2571	0.2959
0.5608	0.0591	0.3980	0.0578	0.1026	0.6034	0.0491
0.2687	0.7379	0.0487	0.0975	0.0562	0.1881	0.7078
0.3463	0.3954	0.5007	0.3980	0.2265	0.2657	0.1270
0.7641	0.2168	0.4446	0.8943	0.3095	0.1738	0.8988
0.5604	0.1626	0.3080	0.6706	0.8122	0.5085	0.0556
0.1150	0.5962	0.8597	0.8244	0.8559	0.6266	0.2640
0.5947	0.1376	0.5397	0.8685	0.1443	0.4146	0.0779
0.4165	0.0099	0.3543	0.6304	0.2130	0.0939	0.9318
0.4284	0.8250	0.0858	0.5725	0.0267	0.3498	0.0073
0.1248	0.1869	0.4066	0.4580	0.3369	0.5291	0.1271
0.3405	0.0794	0.4644	0.4424	0.6763	0.9924	0.9991
0.3633	0.0910	0.2224	0.0856	0.9553	0.1056	0.3229
0.6039	0.7545	0.0695	0.0292	0.0500	0.6305	0.0214
0.6739	0.9248	0.7230	0.8072	0.7117	0.6040	0.1830
0.2151	0.1085	0.2134	0.6745	0.2316	0.7746	0.2242
0.1507	0.6287	0.2970	0.2788	0.1600	0.4688	0.9558
0.1232	0.8264	0.5760	0.1929	0.7438	0.1461	0.1319
0.2574	0.0886	0.7615	0.3938	0.9710	0.2172	0.3497
0.0348	0.0196	0.8213	0.6324	0.3702	0.8714	0.9207
0.8502	0.8993	0.4860	0.2261	0.6552	0.9423	0.3957
0.7275	0.4829	0.4699	0.0398	0.6816	0.1071	0.8779
0.4129	0.8143	0.5005	0.0891	0.1267	0.5032	0.6000
0.1461	0.9274	0.7579	0.3234	0.9675	0.3048	0.5238
0.5477	0.1383	0.2934	0.6070	0.2425	0.7760	0.0924

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Columns 99 through 100

0.9563	0.1876
0.5377	0.9728
0.8110	0.3607
0.5421	0.9772
0.6997	0.1408
0.9863	0.2529
0.0901	0.1835
0.9494	0.4115
0.0487	0.4885
0.9496	0.7936
0.1931	0.5752
0.2016	0.4757
0.3382	0.5381
0.0232	0.0402
0.3644	0.4615
0.4885	0.7175
0.1766	0.5974
0.8309	0.9710
0.0249	0.6626
0.6673	0.1516
0.7277	0.1297
0.0575	0.9102
0.6072	0.9198
0.0088	0.1387
0.6511	0.0493
0.4414	0.2573
0.6105	0.9412
0.1530	0.3978
0.1459	0.3840
0.9759	0.7631
0.7298	0.1593
0.0206	0.8484
0.3222	0.3350
0.3698	0.6334
0.2030	0.0312
0.4917	0.6300
0.1509	0.7783
0.8444	0.4401
0.5298	0.1087
0.5971	0.0834
0.3136	0.6248
0.3426	0.3141
0.4591	0.8495
0.0662	0.0806
0.2948	0.7596
0.6893	0.6936
0.1462	0.7039
0.9786	0.1621
0.9902	0.3277
0.1464	0.7521
0.4220	0.1157
0.6913	0.8675

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0.6023	0.5526
0.9057	0.8715
0.1643	0.9751
0.3458	0.6186
0.4749	0.2754
0.3487	0.0122
0.5771	0.9554
0.5609	0.6950
0.9614	0.1514
0.4843	0.6345
0.4747	0.2044
0.5589	0.9361
0.6994	0.2274
0.9001	0.1511
0.2822	0.9865
0.7030	0.9621
0.6227	0.8604
0.2867	0.4322
0.9085	0.4794
0.7849	0.8148
0.9365	0.4203
0.8917	0.0062
0.3359	0.0846
0.6191	0.4532
0.4655	0.9627
0.1213	0.2938
0.9362	0.3330
0.5287	0.7206
0.9121	0.1438
0.2384	0.7563
0.3230	0.8251
0.6421	0.6732
0.3900	0.2117
0.0528	0.9969
0.7889	0.8719
0.6678	0.8066
0.6172	0.4976
0.0814	0.5287
0.2668	0.2259
0.6015	0.5228
0.9541	0.2258
0.2349	0.3226
0.1778	0.2159
0.3988	0.4781
0.4254	0.4984
0.6015	0.8335
0.0915	0.3460
0.9523	0.0437

ans =

-2.3201e+24

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ans =

Columns 1 through 7

0.1172	-0.3728	-0.1475	0.2969	-0.0700	-0.1304	-0.5952
0.0560	-0.1642	-0.0524	0.4206	0.0228	-0.3353	-0.1833
-0.3465	0.7641	-1.1808	1.6559	1.2722	-2.4791	2.1160
0.2960	-0.3989	0.8837	-0.9432	-0.8000	1.4335	-1.2427
-0.3952	1.0003	-1.2041	2.4697	0.7188	-2.7159	1.7599
-0.0451	0.2729	-0.1708	0.3922	0.1087	-0.5341	0.4362
0.2848	-0.6217	1.1524	-1.9639	-1.0883	1.9611	-1.2488
-0.1422	0.3647	-0.3906	0.7767	0.6162	-1.3935	0.4676
-0.2576	0.0053	-0.9956	0.5759	0.6530	-0.7589	0.6675
0.1517	0.2201	0.7255	-1.1349	-0.7848	1.0341	-0.2784
-0.2552	0.3015	-0.6595	1.2855	0.4500	-1.3816	0.7518
-0.0749	-0.7223	0.0524	-1.3688	-0.0018	0.8666	-0.5645
-0.1740	0.5760	-0.4532	0.7275	0.3041	-0.9207	1.3952
0.1418	-0.3201	1.1114	-1.0391	-1.0669	1.2500	-0.8228
-0.2186	0.3307	-0.1025	0.5444	0.2609	-0.7928	0.1773
-0.0221	-0.4404	0.0469	-0.1572	0.0987	0.0788	-0.6213
0.2528	-0.1440	0.8269	-1.0558	-0.7851	1.5580	-1.2470
0.2214	-0.3439	0.1843	-0.2390	-0.1679	0.6557	-0.8576
0.2271	0.1397	-0.3209	-0.6560	0.1919	0.4763	0.0997
0.0212	-0.6362	0.5552	-1.3243	-0.4623	1.2691	-1.0421
0.0142	-0.4839	0.6758	-0.9374	-0.5413	1.1879	-0.6392
-0.0719	0.2412	-0.4583	0.6797	0.6320	-0.5991	0.8192
-0.4203	0.6750	-1.2532	2.0173	1.0002	-2.0507	1.0094
0.2039	0.1978	0.5907	-0.6979	-0.7862	1.2287	-0.2205
0.1811	-0.2860	0.3826	-0.3225	-0.3586	0.9439	-0.4254
0.1887	0.0596	0.4715	-0.9975	-0.7413	1.1782	-0.5611
-0.2036	0.2332	-0.5121	0.9085	0.6136	-0.9289	0.1554
-0.0881	0.2823	-0.9442	1.0957	0.8324	-1.2716	1.0019
0.0133	-0.7762	0.4960	-1.0402	-0.5570	1.2326	-0.8113
0.0403	-0.0649	0.6317	-0.4961	-0.7676	0.5097	-0.3438
0.0413	-0.1020	-0.4723	0.3289	0.2997	-0.3434	0.0605
0.3104	-0.5604	0.2901	-0.9662	-0.4738	1.1660	-0.7881
-0.0600	0.0682	-0.0500	-0.2789	-0.0581	0.0593	0.4033
0.1015	-0.4351	0.1213	-1.0864	-0.4559	1.4338	-0.5955
-0.1656	-0.3287	-0.0940	-0.9364	0.1280	0.2480	0.0941
0.2913	-0.8055	1.3322	-2.0150	-1.3323	2.3971	-1.8568
-0.3463	0.5035	-0.6445	0.9040	0.7005	-1.7257	1.1017
-0.7716	1.2766	-1.6887	2.6025	1.6131	-3.9404	2.2480
-0.1980	0.0427	-0.6210	0.8558	0.6944	-0.9461	1.0661
0.1866	-0.2598	0.7543	-0.7205	-0.6467	1.5164	-0.7098
0.1718	-0.1521	0.7739	-0.8468	-0.6812	1.2303	-0.5412
0.3748	-0.7841	0.6093	-2.0879	-0.5266	2.1434	-0.8137
0.0468	0.1132	-0.2104	0.5280	0.0731	-0.4023	0.0546
-0.4757	0.6402	-1.2307	1.6672	1.1356	-2.3030	1.5141
0.2174	-0.9681	1.3820	-2.5447	-1.5064	2.7423	-2.1392
0.2565	-0.7557	0.6262	-1.1097	-0.7286	1.7499	-1.2183
0.1630	-0.2139	0.3255	-0.4692	-0.4588	0.7908	-0.3165
-0.4544	0.4416	-1.4985	1.6599	1.4438	-1.8329	1.4541
-0.2216	0.2256	-0.7138	0.7902	0.5040	-0.7175	0.5681

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-0.0157	-0.1180	0.1460	-0.0393	-0.1193	0.0513	-0.3374
0.0317	-0.2166	0.1813	-0.5691	-0.2697	0.4670	-0.2930
0.1630	-0.4923	0.2109	-0.4667	-0.4032	0.9335	-0.8211
-0.0057	0.5840	-0.4424	1.4606	0.3387	-1.0410	0.9640
-0.2965	-0.1026	-0.4670	0.4959	0.3649	-0.9221	0.6347
-0.0940	-0.0704	-0.0797	0.7773	0.3126	-0.6775	0.0123
0.0790	-0.3830	0.5405	-1.3136	-0.1333	1.0126	-0.4709
0.2425	-0.4790	0.8135	-1.8434	-0.7377	2.0244	-0.9875
-0.2843	0.4160	-0.7996	1.4051	0.4359	-1.7325	1.0459
-0.1304	0.3068	-0.2363	-0.1278	0.4387	-0.6243	0.6905
0.0295	0.5089	0.0683	0.2685	0.0192	-0.0888	0.8581
0.3028	0.0734	0.7589	-0.9740	-0.8275	1.2412	-0.2199
0.1703	-0.0397	-0.0592	-0.0678	0.1237	0.7330	-0.0475
-0.1374	0.2418	0.1827	0.1623	-0.3139	-0.3032	-0.2710
0.1754	-0.0413	0.4463	-0.0203	-0.3793	0.5996	-0.2491
-0.6497	0.5904	-1.1645	1.9425	1.2713	-2.8816	1.6451
-0.4041	0.7848	-1.2596	2.1841	1.3492	-2.5755	1.5956
0.1994	-0.2077	0.5072	-0.6654	-0.4679	0.8071	-0.4962
0.0547	0.0305	0.0093	0.3283	-0.0205	-0.3248	0.1204
0.2107	-0.9742	0.7071	-1.0718	-0.4854	1.5168	-1.4450
0.3501	-0.4708	0.5824	-1.2361	-0.6270	1.8391	-0.9413
-0.3153	0.7754	-0.4003	1.3445	0.6035	-1.8010	0.7734
-0.1879	0.5201	-1.0983	2.3889	1.1137	-2.2856	1.0401
0.0194	0.2048	0.0938	0.0976	-0.0639	-0.4520	0.2406
0.0421	0.4279	-0.3353	0.7966	0.3546	-1.0211	0.3544
0.0038	0.2658	0.4933	-0.3105	-0.2169	0.2300	0.0907
0.3731	-0.1441	0.5577	-0.4649	-0.5748	0.8146	-0.8502
0.0642	-0.0766	-0.0490	0.6673	0.1014	-0.2903	-0.2147
0.1225	0.3352	0.1369	0.0190	-0.1246	0.1955	0.3433
-0.3186	-0.2649	-0.5963	0.2730	0.2892	-0.8069	0.4520
0.3480	-0.4740	1.0183	-1.8846	-0.8053	2.2608	-1.0372
0.2078	0.2062	1.1449	-1.0433	-0.9113	1.6307	-0.6741
0.1491	0.3750	0.1625	0.2481	0.2204	0.0679	0.4136
-0.2927	0.3915	-1.2056	1.6877	1.0435	-2.1707	1.0751
-0.1393	-0.1736	-0.5906	0.0565	0.3026	-0.1477	0.3748
-0.0688	0.2156	-0.0884	0.3550	0.1153	-0.5762	0.4136
0.3811	-0.6467	0.6364	-1.4387	-0.5313	1.9140	-1.2062
0.0370	0.0598	-0.2912	0.3604	0.4744	-0.4813	0.4162
-0.0511	0.1974	-0.5284	0.2900	0.7161	-0.9664	0.4619
0.1674	-0.2971	0.9075	-1.2652	-0.6840	1.1902	-0.7459
-0.2590	0.0280	-1.2103	0.7505	1.1934	-1.5481	1.5158
0.5397	-0.3797	1.3468	-1.6946	-1.0011	2.4469	-1.3719
-0.1190	-0.2328	0.3867	-0.3503	-0.4557	0.4115	-0.5587
-0.0711	0.1414	-0.5258	0.5842	0.3402	-0.8192	0.1758
-0.2403	-0.1413	0.2307	-0.0868	0.3022	-0.3992	-0.3506
0.4569	0.1188	0.5802	-0.4146	-0.4744	1.1676	-0.9296
0.1078	-0.5279	0.5353	-0.8347	-0.4601	0.8758	-0.8956
0.3977	-0.1869	1.2192	-1.5353	-0.8960	1.6751	-1.2979
0.0416	0.0310	-0.6356	1.2060	0.5437	-0.7753	0.4835
-0.0854	0.3361	-0.0386	1.1086	0.0136	-0.8150	-0.0590
-0.1113	0.3757	-0.4751	1.0403	0.2023	-1.1876	0.6785

Columns 8 through 14

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-0.3130	0.0908	0.4798	0.0469	-0.1487	-0.0284	-0.0574
-0.1735	0.1102	0.3576	0.0504	0.1188	-0.2148	-0.2374
-1.6139	-0.3973	-0.1275	0.3674	0.4027	-0.6963	-1.4673
1.1697	0.4849	0.2484	-0.3544	-0.2352	0.2492	0.8834
-2.1240	-0.0742	0.9749	0.4232	0.6007	-1.1556	-1.6425
0.1638	-0.0284	-0.0929	0.0302	-0.0324	0.0776	0.3999
1.6480	0.1450	-0.5288	-0.1946	-0.2074	0.4504	1.1518
-0.7297	-0.0346	0.3952	0.1974	0.2830	-0.5359	-0.7047
-0.5820	-0.4528	-0.4661	0.0815	-0.0268	0.2392	-0.5344
1.3730	0.1664	-0.2922	-0.1861	-0.1028	0.2331	0.8642
-0.8638	-0.1061	0.4904	0.0611	0.4641	-0.6880	-1.0501
1.0849	-0.1657	-0.7195	-0.1580	-0.2135	0.6207	0.3083
-0.3880	-0.0908	-0.3568	0.0333	-0.0164	-0.2251	0.1092
1.2163	0.2558	-0.0957	-0.1844	0.0475	-0.0299	0.7619
-0.8307	0.1546	0.3658	0.5683	0.2908	-0.5160	-0.9214
0.2740	-0.0907	0.3056	-0.0863	0.0074	0.1052	-0.2549
1.1549	0.4192	0.1354	-0.1160	-0.1781	0.4546	1.3359
0.0619	0.0808	0.2004	-0.0901	-0.3106	0.3855	0.4714
0.3094	-0.2916	-0.6618	-0.3289	-0.1574	0.7649	0.4933
1.2110	-0.0030	-0.2790	-0.1876	-0.2532	0.5788	0.6115
0.7624	0.2301	-0.0857	0.0659	-0.2697	0.1223	0.4617
-0.7524	-0.4105	-0.6557	0.0766	0.0505	0.0740	-0.4724
-1.8266	-0.1449	0.7623	0.3078	0.2368	-0.6228	-1.1897
0.3651	0.1992	-0.3281	0.1081	-0.0540	0.1149	0.6262
0.1109	-0.0241	-0.3298	-0.2077	-0.1900	0.3098	0.4377
1.1553	0.1138	-0.3442	-0.2626	0.0230	0.1904	0.8103
-1.0221	-0.2678	0.4484	0.5192	-0.1391	-0.3161	-0.7464
-1.0549	-0.7240	-0.1916	-0.2930	0.0839	0.1343	-0.5340
1.0168	0.0738	-0.2585	-0.1357	-0.2101	0.4791	0.2927
0.7416	0.4780	0.0566	0.0369	0.1200	-0.2050	0.4491
-0.4716	-0.2862	0.0052	-0.1623	0.0297	0.2744	-0.2566
0.9000	0.1189	-0.0944	-0.3017	-0.2512	0.3461	0.7906
0.2577	-0.4020	-0.6596	-0.0026	0.0481	0.4603	0.1820
1.0385	-0.3022	-0.5555	-0.5077	-0.2518	0.9854	0.9090
0.7451	-0.2562	-0.4607	-0.0097	-0.1874	0.3402	0.2347
1.9310	0.4369	-0.2054	-0.3810	-0.1206	0.4998	1.2560
-1.1353	-0.1629	0.2041	0.4008	0.3549	-0.6239	-0.8964
-2.3369	-0.2277	0.9636	0.7145	0.6828	-1.3786	-2.0056
-0.6632	-0.3167	-0.2707	0.0922	0.1992	-0.1055	-0.7374
0.4500	0.5043	-0.1145	0.0996	-0.0381	0.1736	0.4735
0.6608	0.2082	-0.4752	-0.0205	-0.0911	0.2520	0.6482
1.9402	-0.2560	-0.9592	-0.6219	-0.3743	1.0475	1.4629
-0.1549	0.2359	0.5015	-0.1070	0.1296	-0.0899	-0.1346
-1.7094	-0.0034	0.1851	0.4982	0.5164	-0.4788	-1.4273
2.5849	0.3091	-0.2115	-0.3755	-0.4140	1.0050	2.0112
0.8956	0.1797	0.0394	-0.1440	-0.2656	0.4830	0.7011
0.6234	0.0910	-0.0846	-0.3493	-0.1676	0.2031	0.7424
-1.6791	-0.4998	-0.1636	0.2460	0.0831	-0.1654	-1.2864
-0.8689	-0.2719	-0.1147	0.2992	0.1171	-0.1654	-0.9861
0.2493	0.3082	0.3558	-0.0090	-0.1091	-0.1559	0.2000
0.5642	0.2188	0.0061	-0.1062	0.0096	-0.0259	0.1170
0.6069	0.2415	0.2793	-0.1148	-0.2394	0.2896	0.5035
-1.3884	0.0831	0.3208	0.2855	0.1141	-0.4101	-0.5870
-0.2630	-0.0946	0.0168	0.0740	0.1167	-0.0341	-0.4234

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-0.8752	-0.0449	0.3017	-0.0076	0.0925	-0.3284	-0.7020
0.9143	-0.0325	-0.6497	-0.1704	-0.2616	0.4487	0.2261
1.4857	-0.0534	-0.5653	-0.5211	-0.1967	0.6083	0.6977
-1.0402	0.1852	0.7135	0.3192	0.2748	-0.9231	-0.9425
-0.1062	-0.2591	-0.4927	0.0046	0.0685	0.0591	0.0246
-0.5641	0.0117	-0.5415	0.0373	0.2008	-0.3299	-0.3321
0.8324	0.0095	-0.3636	-0.0762	-0.1706	0.4254	1.0547
-0.3192	0.0712	-0.1857	0.1368	-0.2960	0.2386	0.0163
-0.1571	0.2342	0.5600	-0.0265	0.3382	-0.3671	-0.1272
-0.0648	0.1251	0.1620	-0.0317	-0.0530	-0.2118	0.2012
-1.5488	-0.3286	0.1537	0.5960	0.3276	-0.8199	-1.7542
-2.0178	-0.2204	0.3324	0.5441	0.2693	-0.7532	-1.6657
0.6210	0.1629	-0.0672	-0.0586	-0.0916	0.1399	0.2992
-0.1848	0.1464	0.2525	-0.1281	0.1146	-0.3199	-0.0360
0.9385	0.1501	-0.0850	-0.4496	-0.3175	0.5716	0.6725
1.0300	-0.1698	-0.7567	-0.3058	-0.2306	0.8684	0.9382
-1.2474	0.4112	0.9853	0.7232	0.2359	-1.0644	-0.7579
-2.0814	0.0373	0.8909	0.2872	0.2232	-1.0395	-1.2971
0.0447	0.2206	0.3809	0.0633	0.0746	-0.3520	-0.1003
-0.4972	-0.0838	0.5265	0.0166	0.2106	-0.1231	-0.2595
0.0312	0.2021	-0.4241	0.2103	0.1292	0.0807	0.2954
0.7741	0.2746	0.3609	-0.3996	-0.2445	0.1224	0.7900
-0.3232	-0.0717	0.3328	-0.3246	-0.0995	0.0131	-0.1472
-0.2884	-0.0387	-0.2436	0.1295	-0.0481	-0.0555	0.1010
-0.1891	-0.3841	0.0111	-0.1038	0.2669	-0.0923	-0.5874
1.6273	0.2392	-0.5758	-0.2066	-0.4330	0.7734	1.4528
0.7457	0.3858	-0.2706	0.1444	-0.0308	0.1115	0.7459
-0.4248	-0.0412	-0.2389	0.1042	-0.0342	-0.0909	-0.1065
-1.4325	-0.3223	0.4071	0.1810	0.2284	-0.1205	-1.1565
0.0319	-0.4848	-0.0508	-0.2153	-0.1031	0.4258	0.1034
-0.1465	0.1214	0.2054	0.2132	0.1606	-0.4301	0.1092
1.3341	-0.2882	-0.5214	-0.4129	-0.5083	1.0725	1.0876
-0.4270	-0.4998	-0.2774	0.0308	0.0273	-0.1282	-0.2931
-0.2755	-0.2902	-0.0659	0.0503	-0.0396	0.1484	-0.4862
0.9740	0.1016	-0.1792	-0.2063	-0.0976	0.1725	0.6572
-0.7486	-0.6427	-0.5652	0.0741	0.1512	-0.0389	-1.1359
1.2935	0.3279	-0.5094	-0.1390	-0.3559	0.5565	1.4573
0.4020	0.3655	0.4147	-0.0153	-0.1634	-0.1841	0.3472
-0.2292	-0.0198	0.5068	-0.2264	0.1610	-0.3004	-0.3120
0.0001	0.1998	0.3073	0.1700	0.0887	-0.3508	-0.3440
0.1016	0.3338	0.3726	-0.0926	-0.1563	0.0255	0.6007
0.8258	-0.0656	0.0515	-0.1833	-0.1917	0.2317	0.4214
1.2740	0.3872	-0.2730	-0.0799	-0.2689	0.2068	0.8849
-1.2070	-0.2836	-0.0229	-0.0240	-0.0649	0.0285	-0.5708
-0.8109	0.4100	0.8247	0.2625	0.2694	-0.7511	-0.5661
-0.7481	0.0522	0.3755	0.0312	0.2800	-0.3843	-0.4034

Columns 15 through 21

0.1159	-0.1615	0.0678	0.0689	0.1154	0.3841	-0.1733
-0.0422	-0.0646	0.1694	0.0694	0.3369	0.3338	-0.2846
0.0283	-0.2045	0.1509	0.9561	1.7770	0.9780	0.0753
0.0917	-0.0619	-0.1491	-0.4769	-1.0435	-0.6733	0.1589
-0.3315	-0.2813	0.2070	1.3633	2.5024	1.6569	-0.4133

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-0.1170	-0.3216	-0.0635	0.5459	0.3261	0.1913	0.3264
-0.0598	0.0527	-0.2511	-0.7644	-1.6458	-0.9452	-0.0283
-0.0347	-0.2966	0.0572	0.5876	1.0310	0.7471	-0.1344
0.4525	-0.1932	0.2448	0.0439	0.3362	0.3672	-0.0496
-0.2726	-0.1380	-0.2583	0.0035	-0.8860	-1.2404	0.6248
-0.0368	-0.1103	0.2454	0.3049	1.0380	0.6722	-0.2517
0.4480	-0.4575	-0.3614	-0.8324	-1.3680	-1.1907	0.2977
-0.4077	0.0680	0.2316	0.7912	0.7749	0.5495	0.3571
-0.3350	0.0420	-0.1586	-0.1008	-0.7730	-0.5642	-0.1126
-0.4682	-0.0282	-0.0594	0.1568	0.8734	0.7521	-0.8155
0.4216	-0.1603	-0.0168	-0.4818	-0.2829	-0.4081	0.0450
-0.2971	0.1796	-0.1631	-0.4608	-1.1163	-0.5989	0.0637
0.1672	0.1410	-0.0744	-0.4046	-0.2950	0.1033	-0.2230
0.3096	-0.0704	0.0233	-0.0531	-0.6687	-0.8832	0.9451
0.2689	-0.0270	-0.0313	-0.7571	-1.3221	-1.2527	0.3554
-0.1920	0.1533	-0.0734	-0.4347	-1.0366	-0.3586	-0.2598
0.0360	0.4593	-0.1369	-0.1266	0.5540	0.4681	0.0308
0.1089	-0.1372	0.3368	0.7102	1.8072	1.5042	-0.2565
-0.5683	0.6333	-0.0427	-0.0896	-0.7019	-0.2057	-0.0721
0.1961	0.2316	0.1751	-0.2737	-0.5083	-0.0873	-0.2406
-0.1527	0.0173	-0.0717	-0.3447	-1.0919	-0.9965	0.5369
0.0439	0.0441	-0.0430	0.0604	1.0163	1.1029	-0.6268
0.7059	0.0231	0.4764	0.2241	0.7946	0.3885	0.2834
0.2872	-0.0860	-0.0155	-0.7285	-1.2843	-0.9095	-0.1652
-0.5351	0.0069	-0.0286	0.2474	-0.4251	-0.2915	-0.3561
0.4747	-0.1102	0.0613	-0.1889	0.1728	0.2047	0.0878
0.1108	0.1249	0.0078	-0.5366	-1.0595	-0.8857	0.3848
0.0987	0.0435	-0.0300	-0.0738	-0.2055	-0.2824	0.1981
0.4126	0.1788	0.1269	-0.8611	-1.4526	-1.2649	0.5678
0.3831	-0.5990	-0.1150	-0.2984	-0.7784	-0.6532	0.3507
0.0250	0.1736	-0.3283	-1.0883	-1.8892	-1.4052	-0.0118
-0.1845	-0.2929	0.0718	0.7226	1.1738	0.7381	-0.1666
-0.4847	-0.7948	0.2066	1.7404	2.9380	1.6478	0.0379
0.3329	-0.0049	0.2877	0.1393	0.5992	0.1522	0.1016
-0.3512	0.5812	0.0579	-0.4844	-0.8606	-0.1955	-0.3795
-0.3420	0.3317	-0.1118	-0.3149	-0.6932	-0.3085	-0.1759
0.3977	0.0774	0.0127	-1.0167	-2.1992	-1.9782	1.0183
0.0422	-0.0193	0.0017	-0.0493	0.3931	0.2137	0.1420
-0.1253	-0.3136	0.2531	0.9060	1.8130	1.4233	-0.3050
0.2232	-0.2091	-0.3243	-0.9394	-2.1546	-1.6072	0.1249
0.0915	0.3164	0.1005	-0.9550	-1.4363	-0.5228	-0.4269
0.0218	0.0535	0.2105	-0.1171	-0.6910	-0.4199	0.1446
0.3143	0.0011	0.2739	0.4304	1.4037	1.0382	-0.0343
0.1370	0.0823	0.1284	0.1631	0.5716	0.3363	-0.1851
-0.0393	-0.0681	-0.1210	-0.0774	-0.0148	0.1295	-0.1616
-0.0581	0.0100	-0.0826	-0.3873	-0.5287	-0.5676	0.1215
0.1368	0.0431	-0.0479	-0.4577	-0.7162	-0.3582	0.0453
-0.3968	0.5139	0.2580	0.6138	1.2235	1.1027	-0.3573
0.2758	-0.3171	0.1607	0.1894	0.4994	0.2289	-0.0350
0.1725	-0.0785	-0.0809	0.3140	0.7105	0.7013	-0.2974
0.2817	-0.2500	-0.3691	-0.5359	-1.1593	-0.9642	0.1105
0.2317	0.0847	-0.1879	-1.1640	-1.8583	-1.6744	0.5205
-0.3309	-0.2161	0.3152	1.0063	1.4388	0.8782	-0.0663
0.0231	-0.4175	-0.0644	0.5634	0.2685	0.0176	0.4039

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-0.3416	0.2066	0.0997	0.4442	0.3472	0.4617	-0.2174
-0.4052	0.3352	-0.0977	-0.1124	-0.8032	-0.5018	0.1777
-0.0905	0.5958	0.0409	-0.2326	-0.3243	0.0857	-0.1109
-0.3643	-0.1238	-0.0295	0.2747	0.4794	0.4257	-0.2093
-0.4231	0.2216	0.0364	0.2348	-0.2153	0.1753	-0.2887
-0.1416	-0.4380	-0.0154	1.0676	2.1918	1.0792	-0.3955
-0.1273	-0.2305	0.1114	0.8851	2.1259	1.5665	-0.1965
-0.1334	0.1036	-0.2107	-0.3154	-0.5964	-0.6830	0.0990
-0.1167	0.1697	0.1988	0.1440	0.3874	0.2509	0.0881
0.5544	0.1379	0.0226	-0.9470	-1.3465	-0.8086	-0.0651
0.4755	0.5619	0.0458	-1.0231	-1.5554	-1.0842	0.1706
-0.6940	-0.1179	-0.0029	0.7961	1.7427	1.3574	-0.6415
-0.0634	0.0294	0.3069	0.8302	2.1882	1.8078	-0.5064
-0.1959	-0.2678	-0.2671	0.4792	0.4794	0.1640	0.0090
0.0770	-0.4132	-0.1407	0.4345	0.9489	0.4392	0.1779
-0.4955	0.3123	-0.3085	0.1125	0.0666	0.4195	-0.4564
-0.0181	-0.0084	-0.0482	-0.1071	-0.5606	-0.3876	0.2497
0.3720	0.0159	0.0665	0.1297	0.5684	0.0987	-0.0274
-0.3308	0.1955	-0.0172	0.1672	0.0391	0.2026	-0.1276
0.5141	-0.5144	0.0896	0.0694	0.2787	0.0809	0.0932
-0.0823	0.3322	-0.3583	-0.6434	-1.8975	-1.2437	0.3311
-0.6151	0.4640	-0.2096	-0.3459	-0.8142	-0.5830	-0.3185
-0.3659	0.3665	-0.1429	0.1474	0.3072	0.3605	-0.0468
0.4408	-0.1605	0.1934	0.5374	1.6369	1.0632	-0.1982
0.5859	-0.0632	0.4242	-0.3060	-0.2260	-0.2796	0.4158
-0.2159	-0.0297	-0.0989	0.3553	0.4633	0.5720	0.0282
0.6675	0.4466	0.0190	-0.9696	-1.6835	-1.3424	0.4542
0.3103	-0.0086	0.1228	0.0340	0.2911	0.1714	0.0905
0.2877	-0.4181	-0.2407	0.2973	0.4503	-0.2706	0.6792
0.0753	0.0329	-0.1934	-0.4015	-0.9328	-0.9088	0.2079
0.3637	-0.4782	0.1942	0.3797	0.6061	-0.0049	0.5391
-0.2478	0.9251	-0.2548	-1.0395	-1.8354	-0.9625	0.0662
-0.2326	-0.0889	-0.0947	0.1872	-0.1248	-0.2447	-0.3119
0.3411	-0.3632	0.0751	0.2242	0.5096	0.2260	0.4109
-0.0394	-0.2991	-0.3702	0.1892	0.2053	0.2243	-0.3539
-0.2961	0.4107	-0.0219	-0.3536	-0.4291	0.1376	-0.0951
0.2058	-0.1994	-0.1561	-0.4901	-0.8642	-0.6867	0.1247
-0.3184	0.2320	-0.5231	-0.5233	-1.2462	-0.8636	0.0281
0.2999	0.2823	0.3179	0.0574	0.8411	0.9624	-0.3285
-0.4638	0.0375	0.0562	0.7001	1.0826	1.1413	-0.5705
-0.1729	-0.1249	0.2539	0.7384	1.0335	0.7410	-0.0614

Columns 22 through 28

0.0928	-0.0706	-0.0403	0.0199	0.3395	-0.0827	0.4699
0.1579	0.1993	-0.0277	0.1986	0.2750	-0.1732	-0.0275
1.5919	0.2878	0.4787	1.6079	1.0992	-0.0545	-2.6184
-0.9600	-0.2541	-0.0303	-0.8852	-0.7713	0.0285	1.5853
1.3684	0.1714	0.7330	1.9555	1.3055	-0.2169	-2.4170
0.1315	-0.0020	0.1629	0.2366	0.2285	0.3986	-0.3114
-1.1441	-0.1975	-0.6002	-1.2448	-0.8435	0.0025	1.8610
0.8239	-0.0238	0.0606	0.9640	0.7201	-0.0967	-1.2110
0.6425	0.4528	0.0942	0.3160	0.4685	0.0979	-0.6230
-1.0730	-0.3615	0.0037	-0.6827	-0.7411	0.1722	0.7670

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0.7636	0.1432	0.4298	0.8037	0.5805	-0.3026	-1.1575
-0.4988	0.0647	-0.0370	-0.8318	-0.6594	-0.1031	1.0444
0.3862	0.1339	0.1038	0.6640	0.5953	0.3553	-0.9929
-1.0654	-0.2458	-0.1520	-0.7211	-0.6616	-0.0270	1.1906
0.5000	-0.1289	0.1111	0.8879	0.7218	-0.4411	-1.0232
-0.0477	-0.0428	0.2645	-0.2943	-0.4184	-0.0820	0.4659
-1.1254	-0.3480	-0.5897	-1.1777	-0.6613	0.0644	1.5570
-0.2351	-0.0049	-0.0393	-0.6906	-0.2147	0.0091	0.7324
-0.2408	0.0621	-0.0080	-0.4800	-0.6171	0.4619	0.4555
-0.6996	-0.2223	-0.1469	-1.0647	-0.9209	0.0441	1.3878
-0.6815	-0.2348	-0.3472	-0.6171	-0.4276	-0.2311	0.9238
0.8228	0.3611	-0.1834	0.5465	0.3029	0.1470	-1.1749
1.3331	0.3149	0.3292	1.2168	1.1425	-0.1098	-1.7239
-0.5052	-0.1224	-0.5250	-0.6840	-0.3032	-0.1450	0.5960
-0.4697	-0.0123	-0.1828	-0.4024	-0.6759	0.1226	0.5789
-0.8357	-0.0374	0.0602	-0.7063	-0.7064	0.2215	0.9620
0.7513	0.1806	0.0688	0.7908	0.5104	-0.1908	-0.8826
0.7118	0.3742	0.2393	0.4340	0.3828	0.0820	-0.9773
-0.7789	-0.0122	-0.1960	-0.8996	-0.7099	-0.0338	1.4473
-0.5930	-0.3857	-0.4056	0.0410	0.0157	-0.2704	0.7450
0.4533	0.3283	-0.0655	0.0662	0.2586	0.1542	0.0055
-0.6341	-0.0199	-0.1417	-0.8587	-0.6395	0.1834	1.3992
-0.0290	0.1294	-0.0100	-0.1143	-0.3542	0.2455	0.0348
-0.8780	0.0954	-0.0314	-1.4315	-1.1855	0.1178	1.6588
-0.2558	0.0405	0.2689	-0.5894	-0.3553	0.1573	0.4349
-1.4336	-0.3221	-0.5446	-1.5642	-1.0976	-0.2173	2.1963
0.8635	-0.0023	0.4070	1.3791	0.7557	-0.1778	-1.7587
2.0712	-0.0065	0.7953	2.6733	1.9716	-0.1603	-3.3901
0.8151	0.3638	0.2173	0.5618	0.3222	0.0309	-0.9971
-0.5425	-0.2170	-0.6390	-0.8230	-0.3680	-0.2672	0.7996
-0.6198	-0.1261	-0.4946	-0.3231	-0.4004	0.0207	0.6553
-1.0019	0.1157	-0.2866	-1.8620	-1.5289	0.4416	2.0913
0.3130	0.0578	0.1195	0.1948	0.2809	-0.0599	-0.1802
1.4001	0.2259	0.2914	1.6656	1.4527	-0.1579	-2.2977
-2.1899	-0.4702	-0.3259	-1.9147	-1.4459	0.0647	3.0545
-0.8919	0.0370	-0.2876	-1.3608	-0.8665	-0.3341	1.7263
-0.4315	-0.0239	-0.0605	-0.5792	-0.2644	0.1405	0.9022
1.4914	0.3798	0.1721	1.1373	0.8383	0.0833	-1.7206
0.5050	0.1798	0.3503	0.6161	0.1593	-0.1129	-0.8715
-0.0487	-0.0538	-0.0623	-0.0039	-0.0386	-0.0387	0.1175
-0.1999	-0.0543	0.0054	-0.3025	-0.3885	-0.1959	0.3221
-0.4199	0.0241	-0.1393	-0.6597	-0.4541	-0.0496	1.0834
0.6740	0.2483	-0.0181	1.0415	0.7000	0.1387	-1.3609
0.4843	0.0262	0.2241	0.5141	0.4383	-0.0601	-0.7095
0.3384	0.1966	0.0382	0.5330	0.5597	-0.1251	-0.5362
-0.5208	-0.2240	-0.1329	-0.7451	-0.5679	-0.0952	0.8540
-1.1026	0.0666	-0.2606	-1.4034	-1.2995	-0.0792	1.8617
0.9780	0.0816	0.3687	1.1096	0.9514	-0.2383	-1.3123
0.1066	-0.0508	0.2337	0.3372	0.3176	0.1544	-0.6603
0.3648	0.0215	-0.1434	0.6467	0.2994	0.0232	-0.9717
-0.7520	-0.1739	-0.3704	-0.6408	-0.6008	0.2788	0.6765
0.0385	0.0714	-0.3261	-0.1592	-0.1491	0.1972	-0.1229
-0.0650	-0.1783	0.2894	0.1964	0.2683	-0.3725	-0.0523
-0.3634	-0.1291	-0.1883	-0.2922	0.0586	-0.0062	0.4166

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1.3058	0.1259	0.6665	1.8911	1.2626	-0.2133	-2.4194
1.7170	0.3082	0.3105	1.7651	1.6054	0.0937	-2.6438
-0.4986	-0.0336	-0.1020	-0.5570	-0.5997	0.0220	0.6599
0.2206	-0.2005	0.1121	0.1212	0.1732	-0.1252	-0.3368
-0.7881	-0.0747	-0.4248	-1.1818	-0.9444	-0.1461	1.8148
-0.6101	0.0290	-0.3043	-1.4837	-1.2087	0.1268	1.4999
0.9200	-0.2050	0.0953	1.5190	1.2382	-0.3392	-1.8309
1.5344	0.3213	0.2900	1.5834	1.3776	-0.2197	-2.0650
-0.0549	-0.3335	0.2137	0.3300	0.1850	0.0285	-0.3040
0.2430	0.0499	0.3405	0.5475	0.4785	0.0683	-0.5748
-0.0363	-0.1001	-0.5731	0.2469	0.0963	0.1032	-0.3759
-0.7357	-0.1516	-0.0825	-0.6074	-0.3784	0.1618	1.2557
0.0636	-0.0000	0.2771	0.3290	-0.1158	0.1718	-0.0893
-0.0105	0.0929	-0.0533	0.2076	0.0875	0.1113	-0.4412
0.2435	0.1631	0.3840	0.1415	0.4920	-0.1171	-0.1666
-1.1946	-0.2593	-0.6347	-1.4802	-0.9289	0.2340	1.6382
-0.8073	-0.4574	-0.5075	-0.4920	-0.6830	0.0191	0.7134
0.1563	-0.0289	-0.1652	0.3344	0.2005	0.0909	-0.6153
1.1626	0.2729	0.5084	1.0553	0.9808	0.0046	-1.6863
-0.0027	0.4061	0.1052	-0.3448	-0.1444	0.1291	0.2649
0.2399	-0.0626	0.1591	0.2422	0.4871	0.0635	-0.6328
-0.9814	0.0858	-0.4100	-1.6279	-1.3758	0.2920	2.0456
0.3950	0.2212	0.2894	0.3031	0.0878	0.1586	-0.6379
0.3067	0.0452	0.3338	0.3737	0.1437	0.2607	-0.5234
-0.9046	-0.3599	-0.0462	-0.7910	-0.6936	-0.0338	1.0414
1.0012	0.3732	0.6114	0.7587	0.5651	0.2016	-1.3941
-1.0022	-0.1987	-1.0845	-1.4165	-1.2032	0.1341	1.8157
-0.5861	-0.3488	0.0383	-0.1188	-0.1792	-0.0694	0.5904
0.3295	-0.0055	0.5379	0.2908	0.3165	0.0652	-0.2601
-0.0841	-0.3224	0.3883	0.4275	0.3113	-0.2826	-0.3021
-0.5099	-0.0199	-0.3078	-0.7180	-0.3233	-0.0720	0.9743
-0.6524	-0.1259	-0.0014	-0.8389	-0.5599	0.0479	1.2885
-1.1102	-0.4986	-0.4052	-0.8096	-0.9122	-0.0242	1.3701
0.8008	0.3789	0.0620	0.4780	0.4752	0.0267	-0.7139
0.3490	-0.0731	-0.0899	0.7985	0.8425	-0.2044	-0.8644
0.6568	0.1639	0.2753	0.7747	0.6820	0.1000	-0.9708

Columns 29 through 35

0.1916	0.0942	-0.0198	-0.0365	0.3586	-0.0282	0.4338
0.3855	-0.0300	-0.0084	0.2311	0.1617	0.0136	0.2986
0.5349	0.6139	-0.5483	0.4625	-0.1720	-1.1462	0.8260
-0.3228	-0.5202	0.1293	-0.1747	0.1337	0.6447	-0.6239
1.6126	0.5607	-0.9904	0.4387	0.3804	-1.2617	1.6620
0.0898	0.0910	-0.1321	-0.1605	-0.0666	-0.1175	0.0355
-1.0520	-0.4118	0.6376	0.1824	-0.0284	1.1028	-1.2786
0.3830	0.3370	-0.5432	0.2871	0.0169	-0.3820	0.7928
-0.1199	0.4011	0.1489	-0.1736	0.0226	-0.6786	0.3449
-0.9313	-0.3970	0.4843	0.1105	-0.0852	0.8935	-0.6179
0.7732	0.1966	-0.2998	-0.0103	0.1960	-0.8025	1.0210
-1.4109	0.1022	0.5647	-0.1454	-0.1686	0.6709	-0.6113
0.4206	0.2437	-0.0627	0.0357	-0.1125	-0.5225	0.0367
-0.4218	-0.5584	0.1290	0.1879	0.0799	0.7444	-0.5080
0.5417	0.3580	-0.6889	0.4487	-0.1569	-0.1927	0.7530

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-0.3923	0.0147	-0.0355	-0.2768	0.0011	0.2978	0.1953
-0.3439	-0.5239	0.2837	-0.1707	0.0225	0.9290	-0.6823
0.0860	-0.0910	0.0070	-0.3691	-0.0737	0.1332	-0.1458
-0.9755	0.0613	0.6893	-0.6032	-0.1423	0.1068	-0.4153
-1.0138	-0.2867	0.4716	-0.3646	0.0856	0.7077	-0.4869
-0.1497	-0.2598	0.0676	0.0814	0.1480	0.6183	-0.5693
0.0488	0.3746	-0.1321	-0.1362	-0.5295	-0.5921	0.0658
1.1987	0.5494	-0.4872	-0.0894	0.1178	-1.1532	1.5036
0.0915	-0.5429	0.2345	0.2450	-0.0953	0.2709	-0.7825
-0.1329	-0.2876	0.0618	-0.2681	0.0042	0.1001	-0.5631
-0.7950	-0.3703	0.5478	-0.2541	0.1455	0.5875	-0.4901
0.7941	0.5411	-0.6868	0.0521	-0.1080	-0.5566	0.9013
0.0641	0.2203	0.0828	-0.4809	-0.1199	-0.8469	0.4745
-0.6494	-0.2831	0.4109	-0.1581	-0.0918	0.6919	-0.6479
0.0261	-0.4629	-0.0230	0.6795	0.1031	0.6610	-0.5426
-0.0212	0.1626	0.1768	-0.4896	0.0461	-0.4378	0.3807
-0.4785	-0.1873	0.4132	-0.4073	0.2657	0.4695	-0.6345
-0.4752	-0.0082	0.1346	-0.1654	-0.2889	-0.0792	-0.2829
-0.9341	-0.4334	0.7377	-0.8992	-0.1134	0.3989	-0.8226
-1.0415	0.1364	0.4320	-0.1275	0.0122	0.2409	-0.2711
-1.0653	-0.8213	0.4672	-0.0249	0.0041	1.2599	-1.1322
0.3627	0.6636	-0.4661	0.4558	-0.0806	-0.7487	0.7973
1.3052	1.0147	-0.9780	0.6765	0.2353	-1.3639	2.1186
0.0151	0.3010	-0.0815	-0.2165	-0.0231	-0.6981	0.3769
0.2600	-0.3911	0.0694	0.3806	-0.0079	0.5049	-0.7186
-0.3032	-0.4460	0.0935	0.1920	-0.1978	0.4730	-0.8698
-1.5913	-0.4765	1.1461	-0.7765	-0.0246	0.7507	-1.3636
0.5599	-0.0216	-0.1926	-0.0747	0.1928	-0.0908	0.3031
0.9691	0.6897	-0.6921	0.4956	-0.0412	-0.9552	1.2361
-1.4845	-0.7847	0.7995	-0.3356	0.1141	1.7859	-1.2127
-0.2487	-0.3784	0.1588	-0.0908	0.0472	0.7079	-0.7999
-0.0675	-0.2894	0.4509	-0.1831	0.1864	0.3195	-0.5295
0.7814	0.7445	-0.3872	-0.1104	-0.2775	-1.2331	0.8437
0.2853	0.2964	-0.1110	-0.2029	-0.1267	-0.5464	0.6934
0.1586	-0.0297	-0.0966	0.0696	0.2395	0.0822	-0.0841
-0.2310	-0.0966	0.1280	0.1800	-0.0697	0.5048	-0.2882
0.0695	-0.3025	0.2176	-0.3502	0.2529	0.4271	-0.2946
1.3584	0.1011	-0.6172	0.0403	-0.0432	-0.7229	0.5966
-0.1050	0.2778	-0.1905	0.1519	0.1054	-0.3723	0.2947
0.3405	0.2441	-0.3380	0.1940	-0.0237	-0.2841	0.6347
-1.2928	-0.0410	0.4971	0.2042	-0.3429	0.6182	-0.6895
-1.2537	-0.4694	0.8352	-0.5008	-0.0436	0.8196	-1.1372
1.2822	0.2940	-0.4113	0.3604	0.5089	-0.5120	1.0045
-0.6041	0.2209	0.2102	0.0742	-0.1196	-0.1182	0.0717
0.2782	-0.0895	-0.0778	0.5830	-0.1736	-0.3859	-0.1798
-0.2107	-0.3130	0.1480	0.0079	-0.0927	0.5151	-0.9442
0.2581	-0.0471	-0.0798	-0.1197	0.1135	-0.1239	-0.1906
0.3524	-0.0585	-0.3466	0.3735	0.2460	0.1151	0.3544
0.4016	-0.2834	0.1937	0.2416	0.0145	0.2226	-0.1949
0.8188	0.9256	-0.8778	0.4901	-0.3626	-0.9003	1.3046
1.2602	0.7743	-0.6765	0.0765	-0.0133	-1.4252	1.6527
-0.1922	-0.2514	0.2811	-0.0740	0.0897	0.4870	-0.4691
0.3713	-0.2442	-0.1858	0.2435	0.0373	-0.0855	-0.0042
-0.4799	-0.4882	0.4157	-0.3610	0.0549	0.6679	-0.6731

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-0.8989	-0.6080	0.5180	-0.4666	-0.3095	0.4114	-1.1006
1.4434	0.4856	-0.9584	0.7258	0.0835	-0.4811	1.2053
1.8663	0.5683	-0.9531	0.2079	0.1657	-1.1973	1.3034
0.1289	0.1304	-0.0599	0.4499	-0.0484	0.1084	0.1407
0.2270	0.2184	-0.3065	0.0234	0.0114	-0.2487	0.5918
0.1597	-0.0612	-0.3193	0.6211	-0.4450	0.1607	-0.5439
-0.1881	-0.3973	0.3245	-0.1934	0.1640	0.6149	-0.2923
0.1913	-0.0493	0.0350	-0.3590	-0.1273	-0.1181	0.1538
0.2034	0.1309	-0.1361	0.1278	-0.2229	-0.2803	-0.1902
-0.3899	0.2507	0.1073	-0.0715	0.2504	-0.2470	0.5103
-1.0619	-0.4483	0.5330	-0.1525	-0.1123	1.0819	-1.3483
-0.1488	-0.4590	0.1050	0.2903	-0.1709	0.6256	-0.8599
0.4047	0.0548	-0.0838	0.1122	-0.2593	-0.3209	-0.0971
0.5450	0.5919	-0.5423	-0.1424	0.0207	-1.0472	1.1544
-0.2970	0.0100	0.3912	-0.7005	0.1362	-0.3713	0.0189
0.4380	0.0822	-0.2555	0.1327	0.3262	-0.2127	0.2216
-0.9643	-0.4866	0.6603	-0.6400	-0.2204	0.6622	-1.0947
-0.2342	0.1328	-0.0571	-0.1722	-0.0917	-0.4920	0.1845
-0.6538	0.3238	0.1500	-0.2789	-0.0374	-0.2749	0.5257
-0.8353	-0.3699	0.3925	0.0133	0.0342	0.7183	-0.6628
-0.5568	0.6475	0.0970	-0.1653	-0.0436	-0.8321	0.6384
-0.3412	-0.7448	0.5131	-0.1133	-0.2486	0.8533	-1.5782
0.1406	-0.2205	-0.0825	0.2974	0.1055	0.5048	-0.1865
0.0587	0.0976	0.0325	-0.1867	0.2716	-0.2994	0.6595
-0.2467	0.2768	-0.3270	0.4582	-0.0190	0.1118	0.3981
0.5570	-0.2770	0.0797	-0.3363	0.2322	0.1935	-0.3130
-0.5763	-0.1573	0.4060	-0.2103	0.0984	0.5652	-0.4758
-0.6487	-0.5379	0.2818	0.4323	-0.1754	1.1771	-1.0624
0.9182	0.2521	-0.3434	-0.2002	-0.1029	-0.7761	0.2848
1.1261	0.1280	-0.5647	0.3973	0.1433	-0.3073	0.7786
0.6575	0.1861	-0.3483	0.1987	0.2270	-0.4729	0.4746

Columns 36 through 42

-0.1593	-0.1735	-0.2949	0.3606	-0.3996	0.6990	0.0666
-0.1274	-0.0548	-0.1359	0.0317	-0.1594	0.3425	0.1708
-0.0444	-1.2721	0.1855	-0.8909	0.3325	0.3715	0.1849
-0.0801	0.7132	-0.1914	0.2297	-0.4996	-0.1265	-0.2475
-0.9517	-1.4029	0.1380	-0.8352	-0.3352	1.4553	0.7081
-0.1400	-0.1641	0.3120	-0.3290	-0.3019	-0.0820	0.0937
0.7236	1.0310	-0.0834	0.5926	0.1668	-0.9860	-0.4953
-0.2150	-0.6325	-0.0764	-0.0341	-0.0777	0.6946	0.1300
0.0079	-0.4182	-0.1837	-0.3702	0.0438	-0.0621	-0.0310
0.1936	0.6682	0.2671	-0.2277	-0.0570	-1.0267	-0.1606
-0.3934	-0.6576	-0.0226	-0.4228	-0.0273	0.7586	0.2712
0.5020	0.1290	-0.0756	0.0687	-0.0539	-0.8765	-0.6006
0.0738	-0.1051	0.3188	-0.5474	0.0391	-0.3724	0.0282
0.2470	0.5118	-0.0871	0.1808	-0.0196	-0.4642	-0.1814
-0.2567	-0.7844	0.0568	0.4723	0.2134	0.9174	0.0839
-0.3799	-0.2075	-0.2803	-0.0047	-0.2849	0.2652	0.2388
0.0602	1.0815	-0.0277	0.5325	-0.1020	-0.5271	-0.2245
-0.2200	0.0997	-0.2663	0.4425	-0.0527	0.3593	0.2382
0.1503	0.3293	0.1739	-0.4627	-0.1558	-0.6702	-0.3066
0.3718	0.4571	-0.1146	0.1848	-0.1046	-0.7670	-0.4648

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0.2810	0.4152	-0.1050	0.5305	0.1130	-0.1678	-0.2674
0.2542	-0.1482	0.1992	0.0003	0.7616	-0.1205	0.1535
-0.8932	-0.9767	-0.0834	-0.3098	-0.2142	1.3492	0.6044
0.5248	0.8842	0.1346	0.4627	0.7250	-0.5474	-0.2878
0.0025	0.2581	-0.1583	0.1876	0.1524	-0.1086	0.2362
0.3209	0.8861	0.1297	-0.1511	-0.2206	-0.7541	-0.4048
-0.5561	-0.6179	-0.1554	0.4563	-0.0228	0.8915	0.4100
0.0124	-0.3805	-0.1383	-0.8619	-0.0570	0.0829	0.4239
0.2603	0.4946	-0.1107	0.2919	0.0389	-0.6534	-0.2012
0.4146	0.4783	0.3151	0.3054	0.1445	-0.4522	-0.1575
-0.1389	-0.0944	-0.0957	-0.2395	0.0666	0.2456	0.0257
0.1682	0.6020	0.1622	0.0561	-0.1592	-0.5526	-0.3295
0.1064	-0.0145	0.1061	-0.3682	0.3188	-0.6571	0.0494
0.3664	0.7348	0.1073	-0.2069	-0.0207	-1.0303	-0.1600
0.2160	-0.2265	-0.2033	-0.2091	-0.2955	-0.4658	-0.4200
0.5085	1.2508	-0.2572	0.7895	0.2713	-0.8803	-0.6113
-0.1746	-1.1247	0.0673	-0.3942	-0.1121	0.5498	0.0772
-0.7169	-2.0005	0.2913	-0.8330	-0.5464	1.4887	0.3520
-0.0671	-0.3478	0.1415	-0.5006	0.3083	-0.0175	0.1915
0.3588	0.8715	0.0195	0.7033	0.6255	-0.2738	-0.2840
0.5365	0.7017	0.0187	0.4012	0.5137	-0.6102	-0.3245
0.5279	1.1890	0.1264	-0.2950	0.0480	-1.6543	-0.7268
-0.4797	0.0689	-0.0186	-0.3008	-0.2121	0.3370	0.2117
-0.4276	-1.1873	0.0759	-0.4277	-0.0360	0.8234	0.2398
0.4417	1.1443	-0.1553	0.8057	-0.3776	-1.0868	-0.4100
0.0659	0.7227	-0.2403	0.6946	0.0823	-0.2265	-0.1748
0.2122	0.4224	-0.0182	-0.0326	-0.2595	-0.3888	-0.1175
-0.3514	-0.8806	-0.0771	-0.6200	0.1649	0.5059	0.5583
-0.3590	-0.4266	0.0132	-0.2489	0.0675	0.2400	0.5129
-0.1780	0.0100	0.1507	0.1582	-0.0959	0.1111	-0.1163
0.0734	0.0664	0.1189	0.0503	0.0029	-0.2236	-0.2755
-0.2209	0.5809	-0.1078	0.1375	-0.3211	-0.1252	0.0778
-0.5782	-0.1236	0.2752	-0.1511	0.3569	0.6614	0.7213
0.0040	-0.6581	-0.0608	-0.3639	-0.1906	0.2275	0.0032
-0.2384	-0.3004	-0.4031	0.2778	-0.0232	0.6482	0.3275
0.7919	0.3335	-0.2020	0.3072	0.1365	-0.7252	-0.5128
0.4042	1.0767	-0.0908	0.0014	0.1838	-1.2648	-0.4301
-0.6737	-0.5895	0.2505	-0.4043	-0.3368	0.7972	0.3373
0.4739	-0.5840	0.0892	-0.4348	-0.3177	-0.1343	-0.3223
0.3897	0.0132	0.3334	-0.1110	0.5081	-0.2581	-0.0472
0.4316	0.6719	0.2500	0.2262	0.4850	-0.7382	-0.3491
0.0038	0.5112	0.0501	0.3568	0.5629	-0.0574	-0.0634
-0.1855	-0.3497	-0.1360	0.1411	-0.3319	0.6424	0.0097
0.1219	0.3179	0.0357	0.2570	0.1400	0.1110	0.1443
-0.5493	-1.7277	0.0844	-0.4554	-0.0931	0.7264	0.6729
-0.5857	-0.9901	0.1139	-0.3530	0.1327	1.0640	0.4635
-0.0031	0.4489	0.1361	0.0487	0.0946	-0.3258	0.0298
0.0248	-0.1589	-0.0603	-0.0322	-0.0026	0.3970	-0.0235
0.1085	0.7550	-0.2420	0.4572	0.1332	-0.1858	-0.1257
0.5588	0.9261	-0.1379	0.4280	0.5748	-0.8413	-0.4795
-0.4786	-0.8580	0.2028	0.3383	-0.1746	1.1034	0.3968
-0.7268	-1.1459	-0.0893	-0.1415	-0.2064	1.5471	0.8371
-0.0699	-0.3317	0.0713	0.0211	-0.3391	0.1778	-0.0074
-0.5764	-0.5698	0.0308	-0.2175	-0.4091	0.5498	0.2987

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0.4913	0.1335	0.1161	0.4741	0.7435	-0.4293	-0.1654
-0.0768	0.5173	-0.1971	0.2589	-0.5543	-0.0935	0.0131
-0.1778	-0.0119	-0.1371	-0.2615	-0.1838	0.2842	0.5023
0.1824	0.0760	0.1016	0.1048	0.3134	-0.0682	0.0024
-0.0437	-0.6684	-0.2525	-0.4264	-0.5109	0.2357	0.0481
0.7859	1.1937	0.0695	0.4927	0.1900	-1.2499	-0.7460
0.4395	0.9549	0.3381	0.5643	0.7312	-0.6027	-0.1800
0.3064	0.1438	0.1808	-0.0474	0.5057	0.0156	0.0432
-0.5060	-1.0488	-0.1883	-0.5642	-0.3062	0.9608	0.3286
-0.0681	0.0793	0.0149	-0.6163	-0.2309	-0.3247	-0.0557
-0.1877	-0.2777	-0.0390	-0.0126	-0.2166	0.2554	-0.1634
0.2763	1.0164	-0.1900	0.1646	0.2506	-1.0423	-0.0512
-0.0201	-0.3069	-0.0275	-0.2095	0.0358	0.0422	0.0159
-0.1436	-0.5115	0.0497	-0.4731	-0.2890	0.0672	0.0717
0.4090	0.5420	0.0494	0.1646	0.2045	-0.5503	-0.3729
-0.0957	-0.8967	0.1121	-0.9600	-0.1978	-0.0391	-0.1192
0.5983	1.7274	0.1804	0.9455	0.8504	-0.8959	-0.5302
-0.1713	-0.0826	0.1189	0.3872	-0.3234	-0.0577	0.1628
-0.2695	-0.4185	-0.2368	-0.6126	-0.7000	0.4533	0.1001
-0.1914	-0.6683	-0.2573	0.4090	-0.4852	0.7449	-0.0066
0.0543	0.6639	-0.0935	0.5923	0.0160	0.3081	-0.0393
0.1399	0.2389	-0.1123	0.2687	-0.1623	-0.3094	-0.0836
0.6011	0.7801	-0.0600	0.7443	0.2382	-0.5884	-0.2629
-0.2232	-0.3718	-0.0329	-0.1456	0.2263	0.5636	0.5402
-0.5232	-0.2550	-0.0529	0.3805	-0.0906	1.0662	0.3091
-0.1463	-0.5801	0.1163	-0.4752	-0.3870	0.5754	0.0625

Columns 43 through 49

-0.3017	-0.3006	-0.2275	-0.2353	-0.2921	-0.0882	0.0493
-0.2293	-0.3319	-0.1988	-0.1212	-0.1756	-0.0611	-0.1126
-1.0167	-2.0952	1.1864	0.9797	0.0602	-0.2607	-1.6403
0.3915	1.0953	-1.0858	-0.5542	-0.0213	0.1105	1.0922
-1.5611	-2.9903	0.7878	0.6404	-0.6761	-0.4936	-1.6650
-0.4384	0.1090	-0.2630	0.1543	0.1190	0.0946	0.2498
1.0995	1.9791	-0.8807	-0.6441	0.3519	0.2720	0.8777
-0.7617	-1.2423	0.4310	0.3339	-0.2640	-0.3559	-0.7944
-0.4501	-0.6621	0.7458	0.1213	0.0052	-0.0936	-0.4259
0.4939	1.3826	-0.7874	-0.0231	0.6289	0.3600	0.6925
-0.6270	-1.5379	0.6565	0.4233	-0.3434	-0.3313	-0.8924
0.3517	0.8966	-0.0141	-0.2976	0.4016	0.1362	0.5965
-0.3829	-0.1263	0.1929	0.4353	0.0748	0.3176	-0.6028
0.6336	0.9213	-0.8411	-0.4018	0.1699	0.0025	0.6234
-0.2077	-1.2962	0.6954	0.4612	-0.4715	-0.5898	-0.9202
-0.0604	-0.1419	0.1319	-0.2083	-0.1104	-0.2126	0.2582
0.6486	1.8079	-0.9699	-0.4053	0.0392	0.4074	1.1185
0.1717	0.3873	-0.1327	-0.3291	-0.1573	-0.0792	0.6063
-0.0171	0.7372	-0.0965	-0.1367	0.6144	0.4288	0.6566
0.7019	1.1818	-0.2795	-0.3779	0.2558	0.2393	0.7305
0.7793	0.8671	-0.4903	-0.1792	0.0314	0.0124	0.4546
-0.0312	-0.2693	1.1034	0.3367	-0.0006	-0.2283	-0.4766
-1.0967	-2.1286	0.8184	0.5672	-0.5626	-0.2631	-1.0433
0.9978	1.1166	-0.4578	-0.1444	0.1890	0.3225	0.2687
0.4637	0.5511	-0.0896	-0.2004	0.0405	-0.0708	0.6430

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0.4954	1.2822	-0.7943	-0.2717	0.2399	0.3441	0.8530
-0.4393	-0.9554	0.7292	0.2065	-0.4997	-0.5307	-0.5896
-0.5880	-1.0126	0.6620	0.2053	0.1896	0.0160	-0.3469
0.7115	1.0186	-0.3434	-0.5379	0.2357	0.0160	0.7299
0.5169	0.6242	-0.7998	-0.2062	0.1118	0.1896	-0.1366
-0.3787	-0.4318	0.3818	-0.2132	-0.0308	-0.1442	0.1998
0.3929	1.1814	-0.5577	-0.3242	0.1476	0.4342	0.8270
0.3035	0.3468	0.2928	0.1064	0.2449	0.1112	0.1943
0.8113	1.5743	-0.3373	-0.4043	0.4451	0.5526	1.3138
0.2256	0.4063	0.0192	-0.0320	0.3855	0.0946	0.3314
1.1908	2.0635	-1.1234	-0.5931	0.4041	0.2658	1.2450
-0.6803	-1.7432	0.6758	0.4801	-0.2056	-0.3305	-1.1157
-1.8436	-3.4487	1.1748	1.2311	-0.4557	-0.4652	-2.3159
-0.3981	-0.9629	0.7505	0.3369	0.1093	-0.2375	-0.7834
0.8078	1.0606	-0.5536	-0.3632	0.1192	0.1568	0.1947
0.7241	1.2389	-0.3379	-0.1529	0.1045	0.0437	0.4329
0.8311	2.5101	-0.6559	-0.4483	0.8662	0.7273	1.6135
-0.5121	-0.3558	-0.1680	0.0600	-0.1641	0.0460	0.0561
-1.2677	-2.2999	1.0819	0.7415	-0.3153	-0.2893	-1.5997
1.3184	2.7273	-1.5967	-0.8895	0.2873	0.3635	2.0240
0.9388	1.1379	-0.5839	-0.5452	-0.0469	0.1930	0.8641
0.2341	0.8881	-0.7013	-0.3207	0.1012	0.3538	0.6601
-0.9315	-1.6199	1.3569	0.4732	-0.0662	-0.1797	-1.0141
-0.3334	-0.8316	0.8254	0.4190	-0.2275	-0.3851	-0.5401
-0.0711	0.1556	-0.3748	-0.1177	-0.0680	-0.0254	0.0352
0.2504	0.4425	-0.2064	-0.0509	0.2344	0.1176	0.2345
0.2949	0.7310	-0.5372	-0.4002	-0.1485	0.2358	0.7650
-0.4853	-0.9720	0.5788	0.4356	-0.3983	-0.2223	-0.8077
-0.5232	-1.0775	0.3179	0.0062	0.0871	-0.1650	-0.3738
-0.4510	-1.0401	0.4229	-0.0582	-0.3237	-0.3968	-0.5295
0.5084	0.8551	-0.0668	-0.3294	0.4352	0.2253	0.4548
0.9558	1.9474	-0.4105	-0.5523	0.6084	0.5867	0.9761
-0.7757	-1.5649	0.0601	0.5352	-0.4065	-0.0513	-1.1745
-0.2444	-0.2340	0.1751	0.1623	0.3381	0.1779	-0.1604
0.1376	-0.1657	0.2064	0.3132	0.0640	0.0349	-0.7832
0.8529	1.3988	-0.5880	-0.2719	0.3523	0.3191	0.6494
0.2641	0.4770	0.1126	0.0720	-0.0521	-0.0497	0.0575
-0.1946	-0.6034	-0.3552	0.0171	-0.2963	-0.1504	0.0111
0.2844	0.4412	-0.4823	-0.1668	-0.0081	0.0984	0.0205
-1.0714	-2.3299	1.2681	0.8285	-0.3078	-0.7094	-1.5909
-1.2833	-2.2338	1.3676	0.8122	-0.4186	-0.6141	-1.6482
0.3831	0.8390	-0.4045	-0.2628	0.1142	0.0812	0.4417
-0.0014	-0.3907	-0.1527	0.1809	-0.0675	0.1975	-0.2270
0.8790	1.1820	-0.4099	-0.7862	0.1014	0.0368	1.1653
1.0479	1.5827	-0.1176	-0.4065	0.3959	0.2680	1.2597
-0.6642	-1.5450	0.2693	0.5845	-0.6557	-0.3703	-1.3571
-1.2966	-2.2753	0.7562	0.4302	-0.9182	-0.3647	-1.4577
-0.2135	-0.3842	-0.3533	0.1324	-0.0338	-0.1155	-0.3010
-0.6473	-0.8589	0.1254	0.1774	-0.2778	-0.2279	-0.3189
0.5855	0.5093	0.1159	-0.0400	0.0631	-0.1371	-0.2681
0.2184	1.0178	-1.0049	-0.3951	0.0034	0.3619	0.8969
-0.3659	-0.3191	-0.0506	-0.3081	-0.1245	-0.3230	0.1293
0.1006	0.2172	0.2314	0.1735	-0.0019	-0.0541	-0.1505
-0.4837	-0.9863	0.2160	0.0717	0.0099	-0.1351	-0.2944

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1.0964	2.4969	-0.8124	-0.4323	0.5159	0.6239	1.2330
1.0810	1.3248	-0.6888	-0.1179	0.0706	0.0456	0.3432
0.1287	0.0820	0.3426	0.2822	0.1425	0.0115	-0.4103
-1.1707	-2.0697	1.1374	0.5097	-0.4057	-0.3996	-0.8872
-0.0482	-0.0740	0.1656	-0.1010	0.1093	0.2047	0.0893
-0.3257	-0.5073	0.0231	0.2699	-0.2671	0.0358	-0.3910
0.8861	2.0523	-0.3935	-0.6490	0.4609	0.4224	1.4565
-0.2962	-0.4809	0.5980	0.3061	0.0658	-0.2315	-0.2229
-0.6128	-0.6177	0.4807	0.3434	0.1651	-0.0031	-0.1789
0.6629	1.0335	-0.5922	-0.2135	0.3381	0.1834	0.5946
-0.8137	-1.4305	1.1463	0.5919	0.2889	0.0152	-0.8301
1.5078	2.5528	-0.7863	-0.6411	0.4965	0.4296	1.0811
0.2865	0.1314	-0.4793	-0.0251	-0.1956	0.0935	0.0512
-0.7309	-0.8350	-0.0297	0.1515	-0.0438	0.0273	-0.0776
-0.3435	-0.7128	0.1171	0.1891	-0.2694	-0.4395	-0.2638
0.3911	0.8257	-0.5201	-0.3844	-0.2747	0.1941	0.6837
0.3886	0.7993	-0.4552	-0.6661	0.1408	0.0715	0.6371
0.9467	1.6574	-0.7679	-0.3816	0.2064	0.1599	0.7430
-0.3339	-0.9214	0.5390	-0.0023	-0.3607	-0.2403	-0.2265
-0.5902	-1.0770	-0.1297	0.1416	-0.5626	-0.3779	-0.5685
-0.6352	-1.2008	0.2010	0.2723	-0.2348	0.0326	-0.5551

Columns 50 through 56

-0.3890	-0.3604	-0.5147	-0.0386	0.1522	0.0246	0.3513
-0.2408	-0.2530	-0.5009	-0.1733	0.0283	-0.2071	0.0270
-0.8042	-0.1029	0.6215	-1.8613	-0.7349	-2.6109	0.5187
0.4864	0.2305	-0.4191	1.0545	0.6049	1.6427	-0.5314
-1.3797	-0.8073	0.5530	-1.9769	-0.7206	-3.9727	0.9720
0.1852	-0.1098	0.0114	-0.0937	0.0144	-0.3101	0.1060
0.9855	0.5062	-0.5537	1.2976	0.3067	2.4978	-0.8363
-0.6076	-0.3025	-0.1050	-1.0259	-0.3330	-1.3492	0.4217
-0.3353	0.0530	0.2668	-0.6973	-0.3219	-0.8213	0.5455
0.9074	0.5960	-0.2066	0.5574	0.3513	1.0518	-0.6474
-0.7886	-0.2983	0.5188	-0.9162	-0.4259	-1.7879	0.4628
0.6221	0.6501	-0.2035	0.2631	0.1132	1.2447	-0.3512
0.0275	-0.1443	0.5510	-0.7063	-0.2445	-0.8727	0.0122
0.7576	0.2635	-0.5444	1.0357	0.3665	1.1703	-0.6443
-0.5791	-0.4871	-0.0368	-0.6593	-0.5722	-1.2557	0.3467
-0.1630	0.1093	-0.1724	0.1463	0.1428	-0.1992	0.1579
0.7063	0.0206	-0.2871	1.4792	0.4561	1.9573	-0.3188
0.0508	-0.2812	-0.0894	0.7234	0.1784	0.7979	0.0865
0.4995	0.5905	0.2660	0.1088	0.2087	0.7773	-0.0131
0.4493	0.6508	-0.1225	1.0119	0.3775	1.5193	-0.3048
0.4666	0.2475	-0.2490	0.9879	0.3015	1.4016	-0.4493
-0.0718	-0.2655	0.8078	-0.3481	-0.7091	-0.5158	0.2196
-1.1481	-0.7031	0.2457	-1.3662	-0.5528	-2.5344	0.9995
0.6794	0.1441	-0.1113	0.9689	0.1376	1.3512	-0.6117
0.2151	0.1334	0.3254	0.5142	0.2116	0.7008	-0.0284
0.7607	0.6064	0.1919	0.6568	0.2742	1.1865	-0.4417
-0.8341	-0.6030	0.3112	-0.7234	-0.6035	-1.2969	0.7742
-0.6120	-0.0639	0.3762	-0.8078	-0.1901	-1.1233	0.6110
0.5451	0.3524	-0.3057	0.9069	0.3862	1.2204	-0.2436
0.5004	0.0831	-0.6903	0.5558	0.3069	0.7870	-0.5799

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-0.2564	-0.0064	0.2539	-0.3242	-0.2938	-0.2824	0.4468
0.5062	0.4432	0.0860	0.7113	0.4592	1.4610	-0.4396
0.1934	0.3662	0.4706	0.0945	-0.1144	0.0302	-0.0477
0.5985	0.8102	0.2216	1.1857	0.5043	1.7581	-0.1991
0.2103	0.6649	-0.1778	-0.0985	0.1130	0.4329	-0.1523
1.1208	0.4123	-0.6528	1.7582	0.4297	2.9039	-0.8226
-0.8520	-0.0516	0.1547	-1.3916	-0.3013	-2.1901	0.3169
-1.7857	-0.6716	0.1585	-2.9107	-0.6913	-4.6892	1.0021
-0.4768	0.0838	0.7398	-0.9302	-0.1827	-1.2765	0.3975
0.6414	0.0783	-0.3480	1.1784	0.1923	1.6740	-0.6236
0.7430	0.0584	0.0140	0.7667	-0.0251	1.3943	-0.5223
1.3193	1.1675	0.0962	1.3813	0.6883	3.1697	-0.8759
-0.2942	-0.2284	0.0162	-0.2307	0.0740	-0.4851	0.1372
-1.0608	-0.5708	0.3372	-1.7155	-0.7845	-2.6589	0.7325
1.2852	0.5689	-0.8127	1.9685	1.0032	3.0908	-0.7166
0.5426	0.2739	-0.2449	1.4423	0.3107	2.0079	-0.3654
0.3574	0.2761	-0.2619	0.5327	0.4975	1.0539	-0.3531
-1.0926	-0.3538	0.5161	-1.3908	-0.5464	-2.1152	0.9868
-0.5534	-0.1356	0.6125	-0.8515	-0.5198	-1.5174	0.6457
0.0683	-0.2194	-0.2200	0.0518	0.1631	0.1932	-0.0670
0.2051	0.2004	-0.1804	0.3310	0.1002	0.7221	-0.4393
0.2369	0.1547	-0.1293	0.6770	0.3061	0.9762	-0.1474
-0.3896	-0.6862	0.7769	-0.6461	-0.4193	-1.6126	0.4478
-0.3487	0.0540	-0.0871	-0.6918	-0.0625	-0.9953	0.2122
-0.4715	-0.5606	-0.1558	-0.4531	-0.3683	-1.0271	0.2486
0.4377	0.5851	-0.5194	0.4258	0.1176	1.2361	-0.5505
1.0394	0.9328	0.2520	1.2332	0.3808	2.2353	-0.6882
-0.9015	-0.3453	-0.3301	-1.0709	-0.0118	-2.0251	0.3757
-0.0152	0.1900	-0.0657	-0.7772	-0.1117	-0.4543	0.0491
0.1533	-0.0530	0.2153	-0.3617	-0.0547	-0.2612	-0.1663
0.9194	0.2860	0.0342	0.8446	0.1638	1.6821	-0.6617
0.2315	0.0327	0.3991	0.4108	-0.0811	0.6812	0.0070
-0.1507	-0.3587	-0.3790	-0.0172	-0.1424	-0.5214	0.0405
0.3135	-0.2613	-0.4056	0.4634	0.0707	0.4373	-0.2305
-1.3779	-0.6775	0.3829	-1.9082	-0.8439	-3.6819	0.9866
-1.3624	-0.6989	0.7859	-2.0162	-0.8426	-3.1785	1.0921
0.4649	0.2921	-0.0254	0.6179	0.2612	0.7570	-0.1801
-0.1589	-0.1552	-0.2402	0.0762	0.3152	0.0044	-0.0873
0.5010	0.2789	-0.4507	1.3971	0.6150	2.0194	-0.3858
0.9307	0.5786	0.0969	1.4284	0.2607	2.5741	-0.5186
-0.8038	-0.9585	-0.0643	-1.1838	-0.4165	-2.1267	0.3933
-1.3694	-1.0663	0.2560	-1.4607	-0.4859	-2.7805	0.7917
-0.0331	-0.0935	-0.4559	-0.4175	0.1798	-0.5571	-0.1564
-0.3650	-0.3281	-0.0125	-0.6378	-0.2806	-1.1136	0.4377
0.4359	-0.1709	-0.0194	0.1613	-0.5558	0.7109	-0.3841
0.3112	-0.0110	-0.6157	0.8116	0.5875	0.9534	-0.3542
-0.4099	-0.2119	0.1156	-0.1607	0.2783	-0.6656	0.2857
0.1926	-0.0186	0.2605	-0.0382	-0.2515	0.0624	-0.0411
-0.4303	0.0952	-0.2713	-0.5758	0.0037	-0.8639	0.2423
1.2914	0.7054	-0.1725	1.4654	0.4701	2.9981	-0.8900
0.8720	0.1877	0.0668	1.0137	0.2788	1.6576	-0.6307
0.0405	-0.1593	0.3152	-0.0349	-0.0750	0.0370	-0.1297
-1.0844	-0.4615	0.4102	-1.3930	-0.7436	-2.4578	0.8748
-0.1869	0.3494	0.4953	-0.0409	0.0439	0.0077	0.2422

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-0.1649	-0.2669	0.0165	-0.2605	-0.1875	-0.5142	0.0441
0.8306	0.5102	-0.0791	1.4988	0.5110	2.4593	-0.4529
-0.3019	0.0708	0.5028	-0.4206	-0.1995	-0.5078	0.1497
-0.3192	0.1653	0.1269	-0.7499	-0.2052	-1.1307	0.4495
0.5135	0.3311	-0.3510	0.7732	0.4789	1.5115	-0.5302
-0.3680	0.3168	0.5167	-1.3846	-0.5284	-1.6824	0.2895
1.1726	0.3823	-0.0901	1.9315	0.5370	3.4868	-0.9303
0.0388	-0.0938	-0.5549	0.3974	0.4003	0.1798	-0.0494
-0.5488	-0.0337	-0.2284	-0.6168	0.2037	-1.0049	0.3201
-0.4101	-0.3753	-0.4102	-0.3248	-0.1224	-0.5951	0.1579
0.2669	-0.2479	-0.0560	1.0378	0.2988	1.1857	-0.2430
0.2773	0.2597	-0.4452	0.6553	0.4179	0.9558	-0.3179
0.7732	0.3382	-0.5940	1.0715	0.3586	1.9538	-0.8043
-0.5004	-0.5658	0.3823	-0.3436	-0.2367	-0.9124	0.5700
-0.5709	-0.8869	-0.2654	-0.4373	-0.1442	-1.2732	0.3582
-0.4173	-0.3395	0.0663	-0.7909	-0.1156	-1.2178	0.1450

Columns 57 through 63

-0.0771	-0.1153	-0.6180	0.0389	-0.2860	0.0417	-0.5222
-0.2533	-0.2815	-0.4399	0.2618	-0.0389	-0.0982	-0.1551
-1.0954	-2.2756	-1.9856	1.5955	1.6681	-0.2948	0.6222
0.6540	1.3862	1.2350	-0.7917	-1.0764	0.0494	-0.3111
-1.7765	-2.9089	-3.2498	1.7701	1.7802	-0.6287	-0.2252
-0.2472	-0.3270	-0.3978	0.1327	0.0852	-0.0890	0.0546
1.1646	1.9763	2.1573	-0.9642	-1.3345	0.4103	0.3918
-0.6375	-1.2017	-1.4056	0.7502	0.7322	-0.0766	0.2114
-0.0621	-0.9306	-0.7387	0.4434	0.2885	-0.0720	-0.1340
0.8418	1.1547	1.2900	-0.4419	-0.5769	0.1431	0.4542
-0.7171	-1.4776	-1.3233	0.8063	0.9615	-0.2687	-0.0241
0.9735	0.8745	0.8239	-0.0918	-0.9463	0.3634	0.2414
-0.5770	-0.7768	-0.1196	0.2026	0.8273	-0.2541	0.6047
0.6068	1.0815	1.0637	-0.4708	-0.7899	0.2041	0.1866
-0.4817	-1.0772	-1.2452	0.5740	0.4532	0.2308	0.1298
0.2847	0.0585	-0.0949	0.1402	-0.3608	0.1043	-0.4003
0.6281	1.6628	1.6772	-1.1837	-0.9183	0.1564	-0.1621
0.3394	0.6125	0.1798	-0.6265	-0.6065	0.0207	-0.4417
0.7249	0.7307	0.9570	-0.3016	-0.2652	0.0222	-0.0163
1.0817	1.2323	1.6279	-0.6249	-0.7854	0.2654	0.1236
0.5655	0.9813	1.0853	-0.7943	-0.7800	0.1398	-0.0217
-0.4500	-0.8925	-0.4823	0.1956	0.6640	-0.0066	0.3305
-1.2353	-1.9241	-2.3891	0.9085	1.1930	-0.3290	-0.5573
0.3185	0.9969	1.4582	-0.7207	-0.2314	0.2111	0.4981
0.3328	0.6830	0.6527	-0.4350	-0.3375	-0.0305	-0.4564
0.7054	1.0889	1.3192	-0.5888	-0.5225	0.0880	0.1352
-0.6484	-1.1285	-1.3693	0.4213	0.6930	0.0700	-0.5180
-0.3373	-0.9894	-0.7474	0.5295	0.6902	-0.3908	-0.1898
0.7495	1.0421	0.8998	-0.4789	-0.9441	0.2135	-0.2567
0.0088	0.6533	0.5259	-0.2807	-0.3790	0.1548	0.4291
-0.1379	-0.2460	-0.4410	0.0801	0.1263	-0.1237	-0.4478
0.6717	1.1664	1.2355	-0.7546	-0.7006	0.0429	-0.1250
0.3923	0.1712	0.5155	-0.0725	0.2400	-0.0108	0.1872
1.1842	1.3725	1.9447	-1.0341	-0.7416	0.0475	-0.3691
0.7685	0.2957	0.4789	0.1168	-0.4065	0.1366	-0.0462

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1.4164	2.2882	2.3695	-1.2777	-1.6118	0.3727	0.2392
-0.6713	-1.5146	-1.6152	1.2322	1.0932	-0.0134	0.1284
-1.8448	-3.3972	-3.7078	2.2998	2.2547	-0.2270	0.3578
-0.4388	-0.9976	-0.8096	0.6495	0.7452	-0.2253	-0.0123
0.2510	1.1042	1.1373	-0.7904	-0.5581	0.0658	0.1660
0.4434	0.9488	1.2331	-0.7220	-0.4865	0.3936	0.5030
1.4670	2.4027	2.8618	-1.3163	-1.2344	0.1123	0.1190
-0.3388	-0.2375	-0.4627	0.0816	0.2599	-0.2089	-0.2004
-1.3295	-2.3332	-2.1675	1.3836	1.4293	-0.1645	0.0935
1.8569	2.7149	2.5894	-1.4928	-2.0085	0.4030	-0.4763
0.8722	1.6147	1.6370	-1.1944	-1.0654	0.0323	-0.3976
0.2730	0.7303	0.8708	-0.5396	-0.4712	-0.1744	-0.2705
-0.9426	-1.7008	-1.7250	0.9095	1.2139	-0.3551	-0.3612
-0.3186	-1.2072	-1.0351	0.5036	0.6495	0.0467	-0.4382
-0.1071	0.0449	-0.3636	-0.0260	-0.0922	0.0190	-0.1433
0.2345	0.5017	0.6952	-0.2032	-0.2186	0.0897	0.3009
0.3096	0.7067	0.6463	-0.5984	-0.6369	-0.0740	-0.4985
-1.0776	-1.1302	-1.0997	0.3807	1.1489	-0.4554	-0.0946
-0.3089	-0.7695	-0.9318	0.7566	0.4625	-0.1396	-0.0298
-0.5557	-0.8605	-1.1819	0.7284	0.2436	0.0807	-0.1248
0.9403	0.9755	1.0198	-0.3660	-0.8538	0.4805	0.4304
1.2382	1.9012	2.3717	-0.9989	-1.1508	0.2010	0.1286
-1.1501	-1.4938	-1.7883	0.9492	0.9933	-0.3959	-0.1710
0.0588	-0.2653	-0.1423	0.4449	0.1572	0.0586	0.3624
-0.4957	-0.3307	-0.1444	0.1809	0.5022	-0.0607	0.3891
0.5748	1.3335	1.4986	-0.7710	-0.3520	0.1388	0.3743
-0.0003	0.2234	0.3504	-0.6135	0.0422	0.1127	-0.0711
-0.1753	-0.1880	-0.5635	0.2754	-0.0695	-0.1216	-0.2186
-0.0512	0.2788	0.0208	-0.1821	-0.4227	0.0247	0.1081
-1.2356	-2.8369	-2.8024	1.8401	1.6544	-0.0728	0.0729
-1.6802	-2.6102	-2.7003	1.3595	1.6573	-0.1968	0.0399
0.3660	0.6682	0.5809	-0.4918	-0.4776	0.0829	0.0380
-0.2991	-0.0097	0.0254	0.1350	0.1213	-0.1408	0.1635
0.7937	1.5270	1.4170	-0.9643	-1.0868	0.0983	-0.5808
1.1578	1.8537	2.3199	-1.2365	-1.0389	0.1310	0.1746
-1.2243	-1.7000	-1.9947	0.9463	1.1493	0.0646	0.0671
-1.7516	-2.3439	-2.5924	1.2802	1.3536	-0.4044	-0.5132
-0.3047	-0.2677	-0.7081	0.4253	0.0037	0.0396	0.3401
-0.4801	-0.7473	-1.0823	0.4035	0.4223	-0.2361	-0.1424
-0.1753	0.2710	0.6937	-0.2939	0.1218	0.3764	0.7713
0.3423	1.0050	0.5902	-0.5870	-0.8620	-0.0338	-0.1631
-0.3798	-0.2286	-0.7769	0.1333	0.1607	-0.0600	-0.4223
-0.1644	-0.0666	0.1681	-0.1170	0.2262	0.1018	0.2352
-0.0008	-0.6066	-0.8236	0.6088	0.0352	-0.2298	-0.2306
1.2219	2.1675	2.5244	-1.3338	-1.1597	0.4337	0.5060
0.4086	1.4439	1.5566	-0.9852	-0.4170	0.2751	0.4776
-0.5411	-0.1446	0.0601	-0.2482	0.3918	0.0277	0.4648
-0.7242	-1.9452	-1.9635	1.0735	1.1565	-0.3331	-0.2941
0.3210	0.0247	0.4423	-0.1544	0.1044	-0.3490	-0.3502
-0.2018	-0.4450	-0.3217	0.3905	0.2769	-0.0481	0.2537
1.1732	2.0249	2.1737	-1.3139	-1.1297	-0.0373	-0.2393
0.0074	-0.4685	-0.1875	0.2580	0.2718	-0.1871	-0.0031
-0.0309	-0.6092	-0.7442	0.5880	0.3138	0.0213	0.0462
0.8165	1.2573	1.1162	-0.4765	-0.7737	0.1806	0.3212

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-0.2968	-1.5145	-1.1268	1.0381	0.9001	-0.1896	0.2325
0.9493	2.4644	2.8441	-1.8548	-1.0413	0.2727	0.3398
0.1468	0.2857	-0.0278	-0.1916	-0.3833	0.2888	0.0286
-0.2564	-0.5642	-0.6510	0.4715	0.2191	-0.3378	-0.2149
-0.0364	-0.4643	-0.8572	0.4894	-0.1954	0.3091	-0.0660
0.1006	0.9189	0.7633	-0.7842	-0.6099	-0.1175	-0.3003
0.6762	0.9112	0.5002	-0.3076	-0.8485	0.1350	-0.1569
0.8082	1.6428	1.5741	-0.8475	-1.0497	0.5126	0.3320
-0.7278	-0.8816	-1.0046	0.1160	0.5882	-0.2793	-0.4432
-1.0643	-0.9415	-1.5041	0.6635	0.5373	-0.0871	-0.2687
-0.7919	-0.9646	-0.9080	0.6856	0.6554	-0.2555	0.0239

Columns 64 through 70

0.4185	-0.0780	0.0679	0.0471	0.1779	-0.0626	-0.1408
0.1713	-0.1947	0.0492	0.2588	-0.0869	-0.2924	0.0485
-1.2126	-1.7667	-1.2123	1.9739	-1.4025	-0.5774	0.2391
0.6317	0.8727	0.9425	-1.2710	0.7872	0.1194	0.2471
-0.7601	-2.2860	-1.4689	2.3196	-1.4600	-1.0266	0.4480
-0.3198	-0.4904	-0.4618	-0.1004	0.4357	-0.2597	-0.1572
0.6943	1.7538	1.0436	-1.3275	1.2213	0.3674	-0.1418
-0.1702	-0.9490	-0.4638	1.1187	-0.3658	-0.5178	0.0975
-0.1521	-0.5966	-0.6583	0.5709	-0.6673	-0.0136	-0.1567
0.0249	0.6714	0.5305	-0.9710	1.0243	-0.0569	0.2623
-0.1811	-0.9332	-0.6809	1.2494	-1.4256	-0.3465	0.2318
0.5581	0.6341	0.4176	-0.4052	0.4143	0.0353	-0.1689
-0.9746	-0.5411	-1.0383	0.3852	-0.2194	0.1724	-0.0852
0.4566	0.9474	0.8334	-0.7180	0.7252	0.0380	0.1579
-0.1345	-0.5917	-0.0958	1.1815	-0.4210	-0.3090	-0.1208
0.5470	0.0667	0.3456	0.1381	-0.3026	-0.2530	-0.0035
0.3890	1.2228	0.8226	-1.5807	1.2119	0.5695	-0.1971
0.4847	0.5034	0.5369	-0.6255	0.5364	0.3400	-0.3191
-0.0745	0.2460	-0.0320	-0.8463	0.2797	0.1793	-0.2612
0.3705	1.0621	0.7860	-1.0342	0.2876	0.3851	-0.1132
0.2512	0.9250	0.6793	-0.6402	0.6268	0.4016	-0.0480
-0.5727	-0.5325	-0.7286	0.7081	-0.7537	0.1945	-0.1591
-0.3466	-1.4497	-1.0415	1.4092	-1.0423	-0.4106	-0.0209
-0.2052	0.9113	0.4015	-0.7461	0.5264	0.6341	0.0039
0.2197	0.4807	0.2418	-0.5235	0.0891	0.3919	-0.0609
0.1870	0.6846	0.2783	-1.0306	0.3681	0.1003	0.1084
0.0822	-0.6505	-0.4836	0.9387	-0.5213	0.0436	-0.3507
-0.2149	-0.8214	-0.7304	0.8064	-1.1234	-0.1685	0.1713
0.5663	0.7848	0.5254	-0.7360	0.3278	0.2266	0.0955
0.0711	0.4764	0.3327	-0.4622	0.8146	-0.0615	0.2650
0.2099	-0.3079	-0.3802	0.2413	-0.4743	-0.0007	-0.1822
0.2104	0.8651	0.4623	-1.0905	0.4231	0.3804	-0.1371
-0.2264	0.1440	-0.1951	0.0071	-0.2217	0.2239	-0.1349
0.3729	1.2580	0.5628	-1.5577	0.2013	0.6333	-0.1122
0.2152	0.3439	0.2816	-0.2661	0.2059	0.0178	-0.1777
0.9488	1.8305	1.6301	-1.7363	1.1303	0.5192	0.1043
-0.5583	-1.3962	-0.8650	1.6306	-0.8132	-0.6033	0.2597
-1.1165	-2.9950	-2.0363	3.0086	-1.6397	-1.3467	0.3889
-0.3765	-0.8341	-0.7831	0.9975	-1.1998	-0.1337	0.0306
0.0150	1.1831	0.8288	-0.9720	0.6543	0.6722	0.0851

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0.1733	0.8099	0.3228	-0.6249	0.6765	0.3947	-0.0267
0.5299	1.7127	0.9578	-2.2105	0.7640	0.7318	-0.0630
-0.0174	-0.3095	-0.1424	-0.0109	-0.1943	-0.1304	0.0756
-0.8394	-1.7282	-1.2705	1.9171	-1.2074	-0.3344	-0.0050
1.3085	2.1778	1.4563	-2.3526	1.9720	0.4578	-0.2507
0.6443	1.5022	1.1542	-1.3236	0.5594	0.7724	-0.0925
0.2748	0.6590	0.2297	-0.9793	0.4944	0.0414	-0.0162
-0.6862	-1.5067	-1.1719	1.3970	-1.1816	-0.1523	-0.0349
-0.2621	-0.9090	-0.7333	0.9562	-0.9411	-0.2114	0.0367
0.2025	0.0311	0.2194	-0.1593	0.3495	-0.2662	0.0808
0.0610	0.4471	0.5730	-0.3245	0.0917	0.1075	0.1205
0.5211	0.6030	0.4199	-0.8513	0.2841	0.2978	0.0660
-0.7907	-0.9233	-0.7859	0.8580	-0.8388	0.0146	-0.0794
-0.1859	-0.6993	-0.4523	0.7866	-0.5937	-0.3645	0.2168
-0.0236	-0.7103	-0.3266	0.9246	-0.2618	-0.3316	0.1107
0.3448	0.7650	0.5661	-0.4163	0.6878	0.1439	-0.0127
0.4422	1.5354	0.9738	-1.3833	0.2439	0.5682	0.1127
-0.5637	-1.2735	-0.6658	1.0697	-0.6679	-0.5780	0.4657
-0.1722	-0.2184	-0.5068	0.2967	0.2664	-0.2745	-0.2501
-0.5758	-0.2597	-0.4024	0.3452	-0.2367	-0.1398	0.2439
-0.1736	1.0191	0.6445	-1.1460	0.7285	0.4768	-0.1197
-0.2811	0.1462	0.0264	-0.4510	0.0743	0.6189	-0.2141
0.1764	-0.1243	0.2615	0.2826	0.2099	-0.3540	0.1022
0.1226	0.1740	0.3045	-0.2835	0.8082	-0.0576	-0.0124
-0.6610	-2.2121	-1.4577	2.5857	-1.2894	-1.0389	0.2606
-0.8911	-2.1194	-1.8114	2.2605	-1.5057	-0.4857	-0.1396
0.2533	0.4519	0.5060	-0.6073	0.4736	-0.0052	-0.0100
-0.1470	0.0859	0.0668	-0.0478	-0.1891	-0.0654	0.1614
0.8372	1.1873	1.1076	-1.2953	0.3553	0.4815	0.0092
0.3991	1.6908	1.1695	-1.4941	0.2251	0.9916	-0.3183
-0.5000	-1.1669	-0.5916	1.2380	-0.2660	-0.5174	-0.0493
-0.5842	-1.7521	-1.1105	1.8840	-1.1575	-0.3788	0.1498
-0.1008	-0.3324	0.0273	0.2085	0.4531	-0.5039	0.0855
-0.1426	-0.7662	-0.3083	0.4868	-0.0053	-0.3527	-0.0248
-0.4998	0.5714	0.1526	-0.1233	0.4457	0.4202	-0.1927
0.5245	0.5831	0.5462	-1.0843	1.1788	-0.1776	0.0809
0.2360	-0.5687	-0.2676	0.2549	-0.1370	-0.5436	0.2131
-0.2543	0.0924	-0.1683	0.0757	0.0869	0.0835	-0.1984
0.3351	-0.5784	-0.3105	0.7710	-0.5366	-0.4694	0.2287
0.1455	1.6566	1.0649	-1.9602	1.3141	0.7587	-0.3063
-0.0426	1.1408	0.6912	-1.1025	0.6993	0.5761	-0.0096
-0.5186	-0.2758	-0.2402	0.1285	-0.0099	0.0984	0.0053
-0.3613	-1.4775	-0.9961	1.6441	-1.2226	-0.2465	-0.1187
-0.0032	0.1781	-0.2985	-0.1433	-0.7577	0.3431	-0.0808
-0.3235	-0.1672	-0.2709	0.3096	-0.1381	0.0331	-0.1379
0.5723	1.5577	1.1169	-1.9172	0.6386	0.7800	-0.2588
-0.0886	-0.2843	-0.1002	0.3959	-0.6395	0.0264	-0.1597
-0.0164	-0.7939	-0.4631	0.5400	-0.1165	-0.4504	-0.0581
0.6025	0.7927	0.8701	-0.8770	0.7612	-0.0845	0.1333
-0.6819	-1.2274	-0.9073	1.3383	-1.1633	-0.3534	0.0735
0.1319	2.1682	1.2683	-2.1923	1.1175	1.1445	-0.2072
0.3060	0.1808	0.3074	-0.1398	0.5474	-0.2955	0.0947
0.2096	-0.5469	-0.3332	0.4181	-0.3294	-0.4242	0.2494
0.2396	-0.2737	0.1658	0.5975	0.3092	-0.2364	0.0271

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0.2561	0.9176	0.5830	-0.9972	0.6900	0.3978	-0.3038
0.7868	0.6177	0.5895	-0.6564	0.7351	-0.1659	-0.0955
0.4898	1.2247	1.1446	-1.1561	1.3578	0.1366	0.2080
-0.1730	-0.7066	-0.4038	0.6197	-0.6518	0.0604	-0.0635
-0.0520	-0.7768	-0.4317	0.8042	-0.0863	-0.3181	0.1466
-0.3652	-0.7766	-0.6523	0.7563	-0.4751	-0.2795	0.0758

Columns 71 through 77

-0.1809	-0.0522	-0.0137	0.2158	0.2110	0.2268	0.0272
-0.1059	-0.0343	-0.0789	0.3651	0.2615	0.2128	0.0596
1.7952	-0.5074	0.1616	0.3232	2.6589	1.4839	-1.7433
-0.9038	0.7241	0.0939	-0.1198	-1.2927	-0.8085	1.2961
1.7621	-0.4237	0.3497	0.8318	3.7901	2.1746	-1.4790
0.3912	0.1483	0.1740	-0.2797	0.2171	-0.1304	0.0404
-1.3786	0.4593	-0.2979	-0.4077	-2.2330	-1.5585	1.3190
0.7085	-0.1104	0.1645	0.3440	1.4490	0.7616	-0.7117
0.6788	-0.2871	-0.2390	0.1654	0.7835	0.8378	-0.7898
-0.2368	0.9383	-0.0748	-0.6760	-1.0479	-1.4127	0.9128
0.6599	-0.1976	0.2304	0.4470	1.7706	1.1516	-0.8882
-0.1570	0.5789	-0.2302	-0.1111	-1.0996	-0.3842	0.5637
0.6405	-0.1966	0.3261	-0.3763	0.5984	0.1456	-0.5300
-0.7464	0.4858	-0.2145	-0.1153	-1.0213	-0.8385	0.9851
0.0033	-0.5401	0.1128	0.5472	1.4438	0.8986	-0.7234
-0.0084	0.4450	-0.2356	0.3267	0.1767	0.3371	0.1566
-1.3705	0.2499	0.0916	-0.3542	-1.9699	-1.3291	1.2441
-0.6485	-0.3254	-0.0549	0.0188	-0.9002	-0.2376	0.3762
0.3561	0.4151	-0.2620	-0.5414	-0.8732	-0.8455	0.1229
-0.7469	0.4892	-0.1406	-0.4054	-1.5372	-0.8085	0.7310
-1.0637	-0.1909	-0.1772	-0.0893	-1.1445	-0.5912	0.7059
0.4092	-0.8626	0.0585	0.1609	0.2320	0.6821	-0.9536
0.9301	-0.5479	0.2300	0.5862	2.3286	1.4700	-1.3237
-1.0618	-0.1978	0.0396	-0.3116	-1.3500	-1.0129	0.3802
-0.2152	-0.3324	-0.1634	-0.1059	-0.7349	-0.2340	0.3452
-0.4119	0.7034	0.0156	-0.4201	-1.2463	-1.0125	0.7888
0.1895	-0.7836	0.1279	0.5033	1.1988	1.2189	-0.6792
0.9988	-0.2073	-0.1471	0.2694	0.9892	0.9270	-0.9907
-0.6380	0.3033	-0.3747	0.1801	-1.2551	-0.4415	0.8802
-0.6622	0.3411	0.1508	0.0683	-0.5071	-0.7128	0.6150
0.2449	-0.2259	-0.0614	0.1131	0.2416	0.4477	-0.3291
-0.4220	0.3168	-0.1392	-0.4852	-1.4646	-0.8985	0.8335
0.2309	-0.0556	-0.2098	-0.2430	-0.2669	-0.0825	-0.1107
-0.4952	0.3353	-0.3117	-0.5552	-1.8964	-0.9808	0.6729
0.2621	0.5738	-0.5152	-0.4477	-0.2778	-0.2793	0.1961
-1.7240	0.6864	-0.1459	-0.1786	-2.6200	-1.6340	1.5154
1.4196	-0.0674	0.0883	0.2053	2.3481	1.2402	-1.0777
2.3183	-0.0466	0.4372	0.6202	4.6414	2.5152	-2.1122
0.9500	-0.4119	0.0558	0.2177	1.0303	0.9301	-0.8086
-1.2675	-0.3782	0.1233	-0.1228	-1.6088	-0.9514	0.6818
-0.8731	-0.1517	0.0054	-0.2230	-1.3198	-0.8146	0.5143
-0.8669	0.7152	-0.2286	-0.9496	-2.9890	-1.9595	1.2595
-0.0152	0.1551	0.2770	0.0593	0.2965	0.3337	0.0107
1.1512	-0.5339	0.2871	0.4720	2.6719	1.8851	-1.4697
-1.8153	1.0455	-0.3338	-0.6166	-3.0327	-2.0098	2.2315

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-1.4783	-0.1811	-0.1911	-0.0818	-1.8604	-0.7752	1.0314
-0.2108	0.3128	-0.1051	-0.4278	-1.0447	-0.8010	0.7458
1.2336	-0.7957	0.0827	0.4826	1.8778	1.5951	-1.4392
0.7413	-0.2885	-0.1496	0.3599	1.1632	1.2664	-0.7743
-0.2207	0.0968	0.0938	0.0237	-0.0178	-0.3330	0.2635
-0.2965	0.1936	0.1054	-0.0662	-0.5085	-0.3846	0.4917
-0.7267	0.1720	-0.0460	-0.0786	-0.9104	-0.4526	0.7290
0.3890	-0.8869	0.2866	0.2217	1.3021	0.8415	-0.7827
0.9089	0.1531	-0.1481	0.2038	1.0778	0.6879	-0.5625
0.3822	-0.2283	-0.1125	0.7194	0.9220	0.9150	-0.4723
-0.1560	0.5380	-0.2228	-0.2544	-1.1584	-0.7181	0.4575
-0.8640	0.7120	-0.2266	-0.3830	-2.2883	-1.3098	1.0681
0.9237	0.0897	0.2680	0.3617	2.0575	0.8548	-0.7529
0.7155	0.1700	-0.1267	-0.3138	0.5172	-0.1036	-0.2898
0.3842	-0.3653	0.0234	-0.0673	0.4034	-0.1217	-0.3725
-0.7804	0.0221	-0.0154	-0.7105	-1.4793	-1.3490	0.7371
-0.5883	-0.6253	-0.0293	-0.2249	-0.7708	-0.1496	-0.0490
-0.1712	0.2060	0.1319	0.2596	0.6143	0.1229	0.1960
-0.4943	-0.1151	-0.1223	0.0603	-0.5300	-0.5100	0.2858
1.7590	-0.3751	0.1193	0.7915	3.3248	2.3936	-1.7479
1.4870	-0.6822	0.3058	0.6134	2.8315	1.9651	-1.7185
-0.3995	0.3130	-0.1011	-0.1505	-0.8810	-0.7343	0.4482
0.0859	-0.1179	0.2675	-0.0795	0.2043	-0.0382	-0.2042
-1.1311	0.0317	-0.2474	0.0767	-1.8972	-0.7677	1.1100
-1.1190	-0.1986	-0.2845	-0.4231	-2.4484	-1.1549	0.5310
0.3607	-0.3281	0.6123	0.3530	2.0933	1.1241	-0.7416
1.0048	-0.8857	0.4566	0.8295	2.6194	2.0300	-1.3877
0.2789	0.3888	0.1269	0.1139	0.7665	-0.1630	0.1510
0.4761	0.1830	0.1307	0.0766	1.0481	0.5394	-0.3350
-0.5214	-0.5140	0.2216	-0.0506	-0.4748	-0.3827	-0.0671
-0.5017	0.5955	-0.0472	-0.3112	-1.0038	-1.0754	1.0106
0.5498	0.2036	-0.0839	0.3459	0.5001	0.3135	-0.0409
-0.0901	-0.4332	0.0170	-0.1613	-0.1750	-0.1799	-0.1851
0.7154	0.2002	-0.1946	0.2646	0.9427	0.7392	-0.2624
-1.3743	0.3452	-0.0728	-0.8470	-2.8213	-1.8050	1.2568
-1.1426	-0.1061	0.1681	-0.4298	-1.4230	-1.2539	0.8325
0.0988	-0.6272	0.1703	-0.2478	-0.1008	-0.2478	-0.3835
1.1893	-0.4677	0.1163	0.5572	2.2651	1.8566	-1.4858
0.3006	0.0772	-0.0296	-0.1356	-0.1147	0.1183	-0.3255
0.1631	0.0273	0.2122	-0.1474	0.5353	0.0592	-0.2716
-1.0215	0.3074	-0.3414	-0.4680	-2.5030	-1.2952	1.0335
0.5366	-0.3148	-0.1812	-0.1467	0.3746	0.3765	-0.5614
0.9953	0.4668	-0.1896	-0.0821	0.7342	0.4868	-0.5098
-0.5708	0.3782	-0.2293	-0.3026	-1.3354	-1.0312	0.7679
1.4966	-0.0575	-0.1100	0.0775	1.5396	1.3006	-1.1073
-1.9623	-0.0951	0.0693	-0.6620	-3.1383	-2.1258	1.2366
-0.2616	0.2096	0.0569	0.1064	0.0781	-0.1920	0.5010
0.6700	0.5220	0.0238	0.0793	0.8905	0.4050	-0.2799
0.1414	0.0350	0.0153	0.2952	0.7076	0.6589	-0.0259
-0.9975	-0.1846	0.1286	-0.3185	-1.3036	-0.8015	0.5359
-0.3091	0.6211	-0.3210	-0.0273	-0.8632	-0.7435	0.6858
-1.0007	0.4885	0.0167	-0.2409	-1.7863	-1.3752	1.1812
0.4098	-0.8279	-0.1416	0.3523	0.7116	0.9893	-0.8171
-0.0029	-0.2762	0.3512	0.7815	1.2249	0.7478	-0.2930

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0.7097	-0.0855	0.2241	0.0286	1.2168	0.5081	-0.4528
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Columns 78 through 84

0.1990	0.2004	-0.2567	0.2396	-0.2310	0.3960	-0.0778
-0.0390	0.2098	-0.0841	0.3925	0.2688	0.0757	0.0174
0.1042	1.8396	1.9459	1.2071	2.0048	-1.4401	1.1819
-0.2588	-1.0492	-1.0349	-1.0891	-1.1894	0.7813	-0.8564
1.0141	2.0500	1.9152	2.0101	2.2043	-1.2416	1.3565
0.1920	0.5863	0.1372	-0.1720	0.1966	-0.4497	0.0546
-1.0520	-1.4818	-1.3693	-1.3653	-1.4871	0.9718	-0.9815
0.0409	0.9288	0.8421	0.5431	0.7205	-0.5834	0.5864
0.3296	0.6777	0.4805	0.9098	0.5787	-0.2780	0.5737
-0.6421	-0.6764	-0.6332	-1.2735	-1.0000	0.3594	-0.6864
0.3724	0.8628	1.1130	0.9952	0.9470	-0.4883	0.5604
-0.5637	-0.7556	-0.1734	-0.8475	-0.6742	0.5725	-0.5116
0.0233	0.7380	0.3011	0.2734	0.8124	-0.7281	0.4606
-0.5804	-0.8422	-0.6723	-0.9413	-1.0172	0.6155	-0.8240
0.0564	0.6188	0.8809	0.5868	0.4360	-0.2508	0.7482
0.1013	-0.2799	0.2826	-0.0619	-0.1489	0.2462	-0.1728
-0.0436	-1.1169	-1.3796	-1.1671	-1.4897	0.7166	-0.8415
0.3716	-0.4083	-0.5211	-0.1604	-0.4966	0.3507	-0.0226
-0.1736	-0.3084	-0.3764	-0.6491	-0.4807	0.2912	-0.5244
-0.5945	-0.9970	-0.5590	-1.1048	-1.2744	0.7306	-0.8587
-0.3797	-0.7943	-0.8772	-0.5350	-0.7903	0.6134	-0.3981
0.4391	0.4536	0.7176	0.7168	0.7877	-0.8386	0.7216
1.0150	1.5688	1.0467	1.7732	1.5737	-0.8596	1.0380
-0.3171	-0.7086	-0.9603	-0.4659	-0.7513	0.0933	-0.3789
0.0965	-0.6922	-0.4315	0.0079	-0.4960	0.3366	-0.2325
-0.5237	-0.6768	-0.7146	-1.0641	-0.9229	0.5607	-0.8781
0.6315	0.4699	0.5807	0.9920	0.7160	-0.3954	0.9970
0.5514	0.9249	0.8380	1.1734	0.9701	-0.6649	0.3868
-0.2744	-0.9901	-0.6762	-0.3725	-0.8500	0.7190	-0.5903
-0.6402	-0.4406	-0.6076	-0.5558	-0.6412	0.2762	-0.4564
0.2345	0.2162	0.1611	0.5230	0.2439	0.0553	0.1732
-0.3204	-0.9519	-1.0175	-0.8156	-0.8770	0.7367	-0.7474
0.0228	-0.3028	0.2599	0.0695	-0.0385	-0.0939	0.0313
0.0712	-1.1437	-0.9520	-0.7586	-1.0977	0.7780	-0.9402
-0.4963	-0.1097	-0.0656	-0.6557	-0.3983	0.3041	-0.0596
-0.9113	-1.7962	-1.4507	-1.4264	-1.9973	1.3125	-1.2105
0.0288	1.0013	1.3160	0.7183	1.2388	-0.7208	0.6993
0.5836	2.7504	2.4413	1.7161	2.6765	-1.7375	1.5853
0.1779	0.6419	0.8585	1.0610	0.9614	-0.6020	0.3912
-0.3740	-0.9379	-1.0377	-0.3510	-0.9164	0.3964	-0.3561
-0.6163	-0.6560	-0.7546	-0.6429	-0.8224	0.3052	-0.3360
-0.7038	-1.5574	-1.3393	-1.5405	-1.6607	0.9988	-1.4124
0.3575	0.3028	0.1125	0.2766	0.2186	-0.1925	-0.0181
0.5457	1.6946	1.4496	1.5238	1.7545	-1.1042	1.4202
-0.7044	-2.0201	-2.0532	-2.1157	-2.5467	1.7136	-1.6007
-0.0413	-1.3391	-1.2843	-0.5023	-1.3021	1.0544	-0.6908
-0.1297	-0.3901	-0.7754	-0.6058	-0.4961	0.4880	-0.4682
0.9965	1.4536	1.2717	1.6507	1.7242	-1.1944	1.2622
0.6732	0.6085	0.7507	1.0275	0.8989	-0.5030	0.7894
-0.0645	-0.0145	-0.2078	-0.1481	0.0117	0.2472	-0.0567



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-0.2507	-0.5176	-0.1889	-0.4831	-0.3033	0.1772	-0.3487
0.2788	-0.6484	-0.8382	-0.1949	-0.4835	0.5432	-0.5346
0.7448	0.7661	0.5386	1.3770	1.0904	-0.9191	0.8764
0.0093	0.4709	0.8643	0.5998	0.6946	-0.3016	0.2271
0.3877	0.5290	0.5131	0.6718	0.8036	-0.4479	0.5031
-0.6360	-0.7965	-0.3328	-1.0966	-0.6370	0.4493	-0.3204
-0.5590	-1.5692	-0.9564	-1.3386	-1.4688	0.9010	-1.1108
0.3698	1.2625	0.6454	0.9414	1.3059	-0.5695	0.5301
-0.4636	0.4874	0.5141	-0.3510	0.1885	-0.1150	0.1749
-0.3894	0.4826	0.3645	0.3538	0.5194	-0.4140	0.2445
-0.6255	-0.8870	-0.7708	-0.9387	-0.8829	0.2878	-0.6026
0.0971	-0.2312	-0.4027	0.2795	-0.2262	-0.1547	0.0681
0.0872	0.1396	0.1305	-0.0064	-0.0989	0.2056	-0.0416
0.0020	-0.0658	-0.6316	-0.0445	-0.0870	0.1738	-0.1334
0.7029	1.8411	2.1043	1.6082	2.1858	-1.4054	1.5482
0.7793	2.1014	1.6535	1.7270	2.0156	-1.4078	1.5319
-0.2136	-0.5417	-0.4394	-0.5703	-0.4982	0.2299	-0.3619
0.0277	0.1367	0.0432	0.0235	0.1924	-0.1176	-0.0512
-0.0394	-1.2161	-0.9517	-0.5453	-1.1172	0.9619	-0.9264
-0.4227	-1.4891	-0.9838	-0.7755	-1.5239	0.6867	-0.7641
0.3135	1.3207	0.7997	0.6591	1.0659	-0.7628	0.9586
1.1606	1.5059	1.2278	1.8170	2.0114	-0.9851	1.2625
-0.2224	0.3633	0.2793	-0.3404	0.2282	-0.1702	0.0503
0.4521	0.8412	0.4334	0.3129	0.5320	-0.3326	0.4603
-0.5055	-0.1893	-0.0878	-0.2843	-0.2358	-0.1786	0.4452
0.0335	-0.5226	-0.9704	-0.8828	-0.6213	0.4868	-0.7416
0.4047	0.2892	0.3138	0.4320	0.3945	-0.2712	-0.0921
-0.0704	-0.1448	-0.1348	0.1225	0.1790	-0.1432	0.2790
0.1260	0.6850	0.7333	0.4919	0.3992	0.1474	0.0172
-0.8540	-1.5485	-1.5990	-1.8075	-1.6946	0.7565	-0.9476
-0.6393	-1.2021	-0.9184	-0.8632	-1.2274	0.4188	-0.5765
-0.0743	0.2271	0.1588	0.1193	0.2761	-0.5247	0.2180
0.8872	1.4852	1.4734	1.4644	1.3967	-0.9660	1.1437
0.3039	0.0187	0.0457	0.3089	0.0577	0.1002	-0.3195
-0.0044	0.3342	0.1231	0.0300	0.3136	-0.1600	0.3701
-0.0561	-1.5190	-1.2107	-1.0035	-1.4440	0.8829	-0.9774
0.0480	0.3348	0.6072	0.3303	0.4574	-0.1823	0.4072
0.1680	0.6672	0.7176	-0.0977	0.4492	-0.3614	0.3011
-0.6657	-0.8255	-0.5573	-1.0112	-1.1265	0.6830	-0.8957
0.1262	1.1429	1.2835	0.6499	1.3693	-0.6816	0.6559
-0.6738	-1.9835	-1.8185	-1.3383	-1.7833	0.7747	-1.0489
-0.1316	-0.3725	-0.3141	-0.3763	-0.3829	0.3922	-0.2734
0.3384	0.6461	0.3972	0.1577	0.5653	-0.1969	-0.0545
-0.0698	0.2003	0.4233	-0.2611	0.1038	0.1419	0.3150
0.2115	-0.7935	-1.0291	-0.5691	-0.7248	0.5997	-0.3740
-0.4190	-0.8291	-0.5208	-0.6127	-0.6931	0.6093	-0.7108
-0.8025	-1.3423	-1.0924	-1.5144	-1.3154	0.7093	-0.7948
0.8958	0.6455	0.5830	1.1575	0.9228	-0.5897	0.7257
0.3730	0.7018	0.2567	0.9450	0.5717	-0.3694	0.4785
0.1016	0.8173	0.6582	0.4984	0.8197	-0.3226	0.2718

Columns 85 through 91

-0.0274	0.3234	0.2051	0.1464	-0.1838	0.0827	0.0528
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0.0145	0.0948	0.1612	-0.0363	-0.1129	-0.1477	-0.2455
0.0962	0.6822	0.6234	-1.0677	-0.7100	-1.2265	-0.4612
-0.1467	-0.5325	-0.4816	0.7042	0.2671	0.7988	0.2469
0.5757	1.2498	0.9851	-1.3085	-0.7687	-1.3190	-0.6304
-0.2708	-0.1966	-0.2059	-0.1746	0.0527	-0.0383	0.4395
-0.1635	-0.9285	-0.7504	1.2141	0.7084	0.7109	0.2676
0.2691	0.5167	0.2382	-0.3793	-0.2158	-0.2685	-0.0337
-0.0748	0.3997	0.5482	-0.2608	-0.2344	-0.4850	0.1765
-0.2910	-0.6815	-0.7950	0.6868	0.3664	0.4348	0.4501
0.2353	0.7928	0.5826	-0.6927	-0.5018	-0.7583	-0.4074
-0.2270	-0.3159	-0.2842	1.0156	0.1928	0.7107	0.6545
-0.2333	-0.1086	-0.0913	-0.4710	-0.2513	-0.8586	-0.2260
-0.0765	-0.3892	-0.4077	0.7865	0.4886	0.5987	0.0610
0.4696	0.6588	0.3212	-0.3815	-0.2165	-0.0549	-0.3731
0.1352	0.1638	0.1697	0.0977	0.0949	0.3306	0.2403
-0.1527	-0.7190	-0.5648	0.3680	0.6383	0.8345	0.2776
0.1156	-0.1201	0.0523	0.0091	0.2259	0.4192	0.1190
-0.2558	-0.3265	-0.2181	0.2291	-0.0520	0.0402	0.6008
-0.2920	-0.3421	-0.3977	0.7851	0.3186	0.7660	0.3865
-0.0230	-0.3448	-0.2571	0.4899	0.3769	0.5818	-0.1807
0.2375	0.0490	0.2898	-0.7535	-0.0868	-0.3932	-0.0979
0.2592	0.9534	0.8778	-1.2254	-0.7730	-0.7665	-0.2739
-0.1258	-0.6090	-0.3575	0.1416	0.4887	0.0718	-0.4618
0.0866	-0.1432	-0.0334	0.1642	0.1112	0.0860	0.0058
-0.3269	-0.3519	-0.6712	0.7444	0.2446	0.3129	0.1728
0.4607	0.5575	0.5120	-0.8381	-0.2053	-0.2634	0.0901
-0.0027	0.4166	0.7174	-0.6947	-0.5585	-0.7480	0.1113
-0.0619	-0.2594	-0.1857	0.7878	0.2633	0.4635	0.2281
-0.0708	-0.3513	-0.3453	0.6252	0.3686	0.1824	-0.2105
-0.0353	0.2944	0.3486	-0.1122	-0.4037	-0.2064	0.0288
-0.3017	-0.2923	-0.4599	0.5689	0.2628	0.3389	0.3141
-0.0808	-0.1855	0.0092	-0.0227	-0.1085	-0.0150	0.1388
-0.3063	-0.4393	-0.2058	0.4763	0.2730	0.3721	0.4977
-0.3324	-0.2867	-0.0903	0.7574	0.1534	0.4042	0.6756
-0.1600	-0.7822	-0.6075	1.1878	0.7001	1.2044	0.2584
0.2336	0.8716	0.4866	-0.4736	-0.4517	-0.6122	-0.1922
0.2448	1.4984	0.9161	-1.3492	-1.0156	-1.5478	-0.4272
0.0569	0.4327	0.3453	-0.3977	-0.6549	-0.6903	-0.2048
-0.0213	-0.5172	-0.2564	0.2599	0.4304	0.4495	-0.6562
-0.0743	-0.6345	-0.5539	0.5387	0.4449	0.3814	-0.1091
-0.6056	-1.0559	-0.6534	0.9643	0.3009	0.8772	0.5027
-0.0713	0.1712	0.2314	-0.3385	-0.2006	-0.0275	-0.1367
0.3085	0.6497	0.7662	-1.1214	-0.5615	-1.1047	-0.5782
-0.5484	-1.0458	-0.9207	1.7718	0.8161	1.5317	1.0619
0.0625	-0.5255	-0.1212	0.5926	0.2979	0.8244	-0.0395
-0.2848	-0.3949	-0.3494	0.4143	0.1385	0.1149	0.0418
0.1429	0.6586	0.9591	-1.1679	-0.7029	-1.0556	-0.1850
0.3007	0.5899	0.5655	-0.4796	-0.4060	-0.4831	-0.1319
0.0009	0.0432	-0.1116	0.1776	0.2192	0.2219	0.1159
-0.0685	-0.1185	-0.2402	0.1741	0.0351	0.3327	-0.1738
-0.1663	-0.2047	-0.0530	0.2737	0.0446	0.3221	0.1263
0.2228	0.3004	0.4618	-1.1154	-0.3176	-0.7351	-0.6915
-0.0030	0.3095	0.3501	0.0116	-0.1063	-0.3098	0.0665
0.3236	0.4454	0.3181	-0.2479	-0.1341	-0.2156	-0.0623

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-0.1564	-0.3885	-0.3501	0.8478	0.4105	0.6045	0.4056
-0.2859	-0.7133	-0.4939	1.0108	0.4069	0.7716	0.2342
-0.1275	0.5892	0.4449	-0.5138	-0.5098	-0.8450	-0.4991
-0.1824	-0.0479	-0.1943	0.2369	0.0169	-0.1578	0.3839
0.0679	-0.0312	-0.1678	-0.0936	-0.0730	-0.4712	-0.5251
-0.1973	-0.8152	-0.6437	0.3316	0.5375	0.4772	-0.0679
0.0779	-0.1317	-0.0616	-0.1371	0.0507	0.1434	-0.2696
0.2443	0.2092	0.0711	-0.0569	-0.0061	-0.0546	-0.1610
0.1084	-0.2547	-0.2065	0.2449	0.3255	0.0287	-0.1437
0.4953	1.1773	0.7685	-1.0112	-0.5020	-1.0597	-0.0383
0.3554	1.0131	0.8138	-1.3363	-0.8170	-1.1322	-0.6182
0.0774	-0.2018	-0.3751	0.3355	0.3791	0.3937	0.0951
-0.1145	-0.0469	0.0421	-0.2947	-0.0590	-0.1731	-0.3309
-0.0502	-0.4927	0.0185	0.6674	0.1788	0.8025	0.1835
-0.0331	-0.7766	-0.2242	0.3352	0.4192	0.5801	0.1942
0.1275	0.5736	0.2291	-0.8489	-0.2238	-0.4265	-0.4677
0.4869	0.8843	0.8759	-1.4997	-0.5820	-1.0837	-0.6206
-0.0591	0.1128	-0.2173	0.2816	0.0604	0.1895	0.0603
0.0174	0.3014	0.1457	-0.4469	-0.1340	-0.0573	0.2294
-0.0477	-0.5619	-0.3199	-0.0909	0.4142	0.0312	-0.2557
-0.2730	-0.4118	-0.4746	0.5070	0.2939	0.4392	0.2911
0.1452	0.3353	0.0553	-0.0944	-0.1438	-0.2520	0.0786
0.1690	-0.1664	-0.1275	-0.1547	0.0823	-0.1851	-0.1958
0.0500	0.4084	0.5300	0.0822	-0.5376	-0.1658	0.2966
-0.4451	-1.0381	-0.9570	0.8671	0.7017	0.9811	0.2063
0.0808	-0.6781	-0.6471	0.4969	0.6144	0.6473	-0.2933
0.2025	0.1138	-0.2176	-0.3146	0.0265	-0.1594	-0.5722
0.1535	0.7623	0.7877	-1.1345	-0.6031	-0.8973	0.0742
-0.1782	0.2266	0.3886	-0.0739	-0.2906	-0.3626	0.0984
-0.0887	-0.0171	-0.0352	-0.2008	-0.0303	-0.2274	-0.0632
-0.2709	-0.8078	-0.3809	0.5195	0.4180	0.8230	0.6420
0.1360	0.1691	0.0533	-0.3868	-0.1714	-0.2039	0.2032
-0.0051	0.3804	-0.0156	-0.0781	-0.3185	-0.1596	0.5871
-0.1530	-0.2568	-0.5894	0.8079	0.3390	0.7445	0.2760
0.0100	0.5371	0.4536	-0.3397	-0.7685	-0.7038	0.1883
-0.2185	-1.2399	-0.7517	0.5229	0.8917	0.8449	-0.2548
0.0418	0.0353	-0.2405	0.3593	0.2137	0.2980	0.1054
-0.0430	0.2953	0.1931	-0.3195	-0.3680	-0.2421	0.0809
0.2222	0.3642	-0.0394	0.0991	-0.0865	0.4428	0.1729
0.1257	-0.3935	-0.2374	-0.0998	0.4036	0.4651	-0.0962
-0.1826	-0.0804	-0.3272	0.9268	0.3128	0.5401	0.4100
-0.1196	-0.6866	-0.7162	0.8244	0.6883	0.9015	0.2302
0.2423	0.2349	0.6377	-0.8568	-0.2951	-0.5998	-0.2363
0.3728	0.3977	0.3237	-0.5073	-0.0994	-0.4038	-0.5314
-0.1020	0.3316	0.1818	-0.3373	-0.3908	-0.6706	-0.3034

Columns 92 through 98

-0.3451	-0.0623	-0.1449	-0.2050	-0.1143	0.2288	0.2949
-0.1309	-0.0485	-0.4000	-0.0754	-0.0195	0.2102	0.1456
0.0943	-0.4746	-0.1590	0.5170	0.9787	0.6964	-0.0996
-0.1243	0.1669	0.4481	-0.1822	-0.4402	-0.4233	0.0106
-0.8316	-0.7129	-0.2421	0.3720	0.6320	1.0744	0.4080
0.6142	-0.3707	-0.0679	0.2834	-0.0905	-0.3937	-0.1449

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0.4495	0.5272	0.1225	-0.5759	-0.4721	-0.6040	-0.4316
-0.2210	-0.3727	-0.1372	0.0348	0.2006	0.4518	-0.0599
-0.0044	0.2880	-0.2783	0.3341	0.5294	0.4590	0.0804
0.8073	0.0504	0.3567	0.1024	-0.4757	-0.8792	-0.5500
-0.5273	-0.0618	-0.0460	0.1523	0.7430	0.7295	0.3253
0.4560	0.8988	0.2540	0.1741	0.3076	-0.0419	-0.2893
0.4453	-0.5853	-0.0629	0.3483	0.3282	-0.3828	-0.0650
0.0748	0.0821	0.0823	-0.1664	-0.6584	-0.3557	-0.3056
-0.5082	0.0040	-0.5643	-0.2563	-0.0695	0.8438	0.1788
-0.4453	0.3266	0.2494	0.1013	0.1140	0.3006	0.1543
0.1987	0.1604	0.2589	-0.3743	-0.9922	-0.7655	-0.0514
-0.0886	0.1305	-0.1222	-0.3439	-0.3014	-0.0617	0.1514
0.6900	0.0870	0.3689	0.4041	0.4264	-0.3713	-0.3275
0.1562	0.4887	0.4892	0.1157	-0.2269	-0.1384	-0.0131
0.0256	0.2590	-0.0363	-0.1864	-0.5029	-0.0081	0.0050
0.0445	0.0515	-0.1290	0.1804	0.3703	0.0523	0.0705
-0.4721	-0.4184	-0.3456	0.1365	0.4433	0.7067	0.5483
0.0532	-0.0584	-0.0882	-0.2925	-0.6165	-0.5273	-0.1670
-0.3209	0.2217	0.0084	0.0306	-0.0968	-0.1277	0.0747
0.2896	0.1778	0.3219	0.0999	-0.1037	-0.4778	-0.2647
-0.6401	-0.0752	-0.2131	-0.2672	-0.0858	0.5374	0.3884
-0.1030	-0.0637	0.0855	0.2320	0.9893	0.1382	0.0533
-0.0768	0.7164	0.0705	0.0113	-0.1660	-0.0771	-0.1427
0.1562	-0.0727	-0.2549	-0.1634	-0.9320	-0.3711	-0.1839
-0.3104	0.2793	-0.0837	0.0849	0.5986	0.2370	0.2987
0.1371	0.2042	0.4221	0.0930	-0.1085	-0.3196	0.1097
0.2148	0.2514	0.0708	0.2869	0.1887	-0.2884	-0.1819
0.4058	0.5630	0.5105	0.2199	0.0432	-0.4935	0.0714
0.5638	0.3514	0.2007	0.2462	0.3349	0.0851	-0.2664
0.1936	0.6843	0.2002	-0.4317	-0.7697	-0.7333	-0.2506
-0.1791	-0.4419	-0.0411	0.3648	0.4477	0.7933	-0.1550
-0.3337	-0.8962	-0.2363	0.6965	0.6825	1.1760	0.1792
-0.1561	0.0884	-0.1043	0.4057	0.7868	0.3014	0.0943
-0.0884	0.1401	-0.2633	-0.5503	-0.6572	-0.2819	0.0606
0.2543	0.1027	-0.1827	-0.2877	-0.5091	-0.5121	-0.2855
0.9452	0.6672	0.6891	0.2126	0.1337	-1.0115	-0.3638
-0.1666	-0.1375	0.1831	-0.0775	0.0482	-0.0268	0.2671
-0.4020	-0.3921	-0.3754	0.3579	0.5975	0.7868	0.1992
0.5801	0.6097	0.3598	-0.4665	-1.1947	-0.9349	-0.3941
-0.2947	0.6128	0.0804	-0.4292	-0.4611	-0.3029	0.2787
0.3493	0.0036	0.1657	-0.0749	-0.1320	-0.3722	-0.1351
-0.2775	-0.0712	-0.1815	0.4210	0.7879	0.5240	0.2750
-0.5297	0.1835	-0.1317	0.2884	0.3778	0.6492	0.2055
0.0951	0.0004	-0.0732	-0.0349	-0.2231	0.1018	-0.0674
0.1066	0.2411	0.1082	-0.0035	-0.0614	-0.0884	-0.0546
-0.1420	0.3091	0.1521	-0.1112	-0.2395	-0.1951	0.2661
-0.4434	-0.4970	-0.2798	0.0239	0.0189	-0.0325	0.4940
-0.0375	0.0288	-0.0479	0.3030	0.3982	0.3738	0.0051
-0.6608	-0.1994	-0.2871	-0.1416	0.2270	0.2866	0.1302
0.3862	0.4550	0.1184	-0.1125	-0.0164	-0.1251	-0.6199
0.1528	0.7559	0.5603	0.0881	0.1473	-0.5698	-0.0962
-0.1814	-0.5171	-0.2999	0.2876	0.2182	0.4447	0.2254
0.5962	-0.1273	-0.0772	0.2819	0.4300	-0.0057	-0.4960
0.0741	-0.3896	-0.4446	0.1455	-0.0219	-0.0455	-0.1387

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0.5322	-0.0891	0.0752	-0.2312	-0.5249	-0.7101	-0.2510
0.0900	-0.0103	-0.1918	0.1771	-0.1454	-0.1089	0.1119
-0.2335	-0.0531	-0.1624	-0.2991	-0.2409	0.3717	0.0494
0.1023	-0.2652	-0.3993	-0.3835	-0.4731	-0.1667	-0.2126
-0.3779	-0.2529	-0.3139	0.5430	0.3564	1.0914	-0.0098
-0.5798	-0.5035	-0.3389	0.3102	0.7254	0.8890	0.3415
0.0962	0.2662	0.1811	-0.0355	-0.3506	-0.2069	-0.0140
0.0813	-0.2530	-0.0208	-0.0927	0.0074	-0.0261	0.1417
-0.2534	0.5553	0.1364	-0.2753	-0.3525	-0.4063	0.1886
0.1486	0.6805	0.1606	-0.3122	-0.0712	-0.6385	-0.0312
-0.2441	-0.7565	-0.4665	-0.1680	-0.3921	0.5017	0.1476
-0.7552	-0.7624	-0.2125	-0.0890	0.4320	0.8081	0.5868
0.2419	-0.3639	-0.1756	-0.0364	-0.2209	-0.0580	-0.2782
0.0729	-0.3424	0.0458	-0.0152	0.1614	-0.0521	0.0679
0.2490	-0.2364	-0.2988	-0.5388	-0.4991	-0.3971	-0.2807
0.1756	-0.3020	0.2177	-0.3576	-0.4228	-0.5531	0.0659
-0.4612	-0.1809	0.0711	0.0220	0.2074	0.0097	0.2671
0.1302	-0.1324	-0.1576	-0.0604	-0.1377	-0.0527	-0.0642
-0.0570	0.4155	-0.0410	0.2081	0.6534	0.5092	-0.0125
0.7748	0.0936	0.3805	-0.2305	-0.6109	-0.9392	-0.4825
0.0838	-0.0366	-0.1022	-0.2307	-0.9601	-0.6373	-0.2591
0.1125	-0.2997	-0.0685	0.0313	-0.1471	-0.0456	-0.0047
-0.4803	-0.3118	-0.0351	0.3236	0.8037	0.7671	0.3495
-0.0667	0.2558	0.4205	0.3561	0.7946	-0.0277	0.2796
0.2071	-0.4056	0.0218	-0.0709	-0.0035	0.0664	0.0906
0.3395	0.5160	0.4590	-0.2115	-0.2334	-0.8094	0.0172
0.0486	-0.1059	0.1392	0.0962	0.6392	0.3160	0.0367
0.2127	-0.1561	0.2588	0.3973	0.4206	0.2094	-0.3481
0.4838	0.2493	0.1860	-0.1422	-0.5040	-0.4050	-0.2875
0.3255	0.0257	0.1582	0.8271	1.3434	0.5436	-0.0649
0.3948	0.2671	0.1283	-0.5648	-0.9493	-1.0102	-0.1647
-0.0089	-0.1776	-0.0264	-0.1752	-0.6042	0.0389	-0.0670
-0.1343	-0.1076	0.2919	-0.0351	0.5821	0.2033	0.1891
-0.0940	-0.0489	0.0048	-0.0076	-0.2055	0.5317	-0.1904
-0.2562	-0.2051	0.0504	-0.5393	-0.5823	-0.3112	0.1895
0.0147	0.4191	0.1535	-0.2351	-0.1019	-0.0723	-0.1965
0.3449	0.0892	0.1251	-0.5051	-0.8806	-0.7073	-0.5140
-0.3796	-0.2089	-0.3054	0.0210	0.3656	0.3710	0.3810
-0.6973	-0.2935	-0.5432	-0.3084	-0.4388	0.3201	0.3013
-0.1550	-0.4694	-0.1621	0.0540	0.4011	0.1984	0.2528

Columns 99 through 100

0.2585	0.5241
0.1559	0.4834
-0.8922	0.5317
0.6428	-0.4143
-0.8182	1.1557
0.1946	0.0079
0.8569	-0.5398
-0.1571	0.5930
-0.4956	0.0378
0.7339	-0.9369
-0.7190	0.4295

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0.3098	-0.9208
-0.1292	0.3802
0.5871	-0.1391
-0.2297	0.9638
-0.1230	-0.3932
0.6700	-0.3841
0.0988	-0.0365
0.2594	-0.9903
0.4564	-0.7526
0.2247	0.0033
-0.9422	-0.0818
-0.7883	0.7611
0.1743	0.0654
0.0709	-0.3457
0.5194	-0.7382
-0.4672	0.6987
-0.7244	-0.3791
0.2036	-0.5809
0.5967	0.4315
-0.2550	-0.0759
0.3526	-0.6327
-0.4029	-0.6628
-0.1976	-1.5762
0.3470	-0.6128
0.7700	-0.8669
-0.4168	0.6727
-0.7113	1.5409
-0.7405	-0.0950
0.2192	0.2663
0.4311	0.0913
0.3918	-1.8599
-0.1640	-0.0021
-0.6291	1.1342
1.1573	-1.1649
0.1706	-0.3266
0.4655	-0.2153
-1.0825	0.2966
-0.7300	0.1111
0.1307	0.1052
0.1136	-0.2231
0.0332	-0.3614
-0.7963	0.5826
-0.2938	0.0441
-0.1030	0.6896
0.5991	-0.5915
0.3172	-1.4510
-0.4035	0.8789
0.4166	-0.0812
-0.0718	0.5806
0.3466	-0.4317
-0.4182	0.0404
0.3903	0.6070
0.3376	0.3333
-0.9312	0.8140

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-0.8741	1.2578
0.1382	-0.4457
-0.0516	0.2641
0.1796	-0.6946
-0.0133	-1.0278
-0.0721	1.5540
-0.8504	1.4408
0.5361	0.3342
-0.0116	0.1840
0.3625	0.6186
0.7382	-0.1934
0.0290	-0.1568
0.0303	0.2846
-0.2614	-0.1397
0.9196	-0.6389
0.3759	-0.0097
-0.3217	0.3054
-0.7751	0.4585
-0.3899	-0.7236
0.0049	0.4390
0.1615	-1.4739
-0.3906	-0.0718
0.0771	-0.4552
0.4012	-0.6096
-0.6618	-0.2688
0.5563	-0.5322
0.2874	0.2470
0.0479	-0.1168
0.3680	0.6058
0.3051	0.1456
0.6918	-0.5620
0.8301	-0.3417
-0.8235	0.2978
-0.0341	1.3558
-0.0789	0.6006

$n =$

5  
10  
20  
50  
100

$ti =$

1212  
807  
1396  
3986  
8771

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matrix dimension is 5

x =

0.8043	0.8395	0.1650	0.7630	0.0673
0.6810	0.7892	0.3070	0.6616	0.0797
0.8239	0.9891	0.3639	0.8453	0.8928
0.1325	0.0284	0.4263	0.0621	0.2994
0.0554	0.7560	0.9119	0.0067	0.1169

L =

0.9762	-0.1829	-0.0522	1.0000	0
0.8266	-0.0412	0.0797	0.4302	1.0000
1.0000	0	0	0	0
0.1609	-0.1896	1.0000	0	0
0.0672	1.0000	0	0	0

U =

0.8239	0.9891	0.3639	0.8453	0.8928
0	0.6895	0.8875	-0.0501	0.0569
0	0	0.5360	-0.0834	0.1666
0	0	0	-0.0757	-0.7852
0	0	0	0	-0.3314

matrix dimension is 10

x =

Columns 1 through 7

0.1492	0.8983	0.5806	0.6772	0.8184	0.8669	0.2960
0.7597	0.6897	0.5099	0.2729	0.8737	0.3320	0.9213
0.4071	0.9687	0.6364	0.3650	0.7786	0.2093	0.7013
0.6278	0.4082	0.8156	0.8073	0.9058	0.4624	0.1006
0.0761	0.9232	0.7917	0.9504	0.3525	0.5913	0.2570
0.7082	0.3276	0.4176	0.3875	0.8692	0.0105	0.2159
0.8971	0.0539	0.2791	0.9758	0.6116	0.0998	0.3262
0.2533	0.6330	0.6577	0.0995	0.9996	0.7221	0.3522
0.9004	0.1963	0.5221	0.9226	0.2775	0.0504	0.8449
0.1612	0.0260	0.0409	0.0038	0.2944	0.3258	0.1086

Columns 8 through 10

0.1392	0.2442	0.7158
0.2059	0.2013	0.1747
0.0460	0.2655	0.9021
0.5732	0.6324	0.0603
0.8489	0.3007	0.8008
0.3180	0.3809	0.0098
0.0182	0.6002	0.0716
0.4201	0.2267	0.3537
0.6871	0.5532	0.4050



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0.1470      0.3240      0.4372

$L =$

Columns 1 through 7

0.1657	0.9550	0.6059	-0.3736	0.6378	-0.6402	0.1775
0.8438	0.5782	1.0000	0	0	0	0
0.4521	0.9706	0.8965	-0.0081	-0.0858	0.9224	1.0000
0.6973	0.2994	-0.6277	0.9009	0.2950	0.5694	-0.5414
0.0845	1.0000	0	0	0	0	0
0.7865	0.1911	0.3748	0.1557	0.4121	1.0000	0
0.9964	-0.1562	0.3426	-0.6639	1.0000	0	0
0.2813	0.6374	-0.0945	1.0000	0	0	0
1.0000	0	0	0	0	0	0
0.1791	-0.0101	0.1242	0.0335	0.2277	-0.7053	-0.5321

Columns 8 through 10

-0.2945	0.0554	1.0000
0	0	0
0	0	0
1.0000	0	0
0	0	0
0	0	0
0	0	0
0	0	0
0	0	0
-0.2123	1.0000	0

$U =$

Columns 1 through 7

0.9004	0.1963	0.5221	0.9226	0.2775	0.0504	0.8449
0	0.9066	0.7476	0.8724	0.3290	0.5871	0.1856
0	0	-0.3628	-1.0100	0.4493	-0.0499	0.1011
0	0	0	-0.8115	0.7542	0.3290	0.0058
0	0	0	0	0.7333	0.3768	-0.5175
0	0	0	0	0	-0.3291	-0.3097
0	0	0	0	0	0	0.2898
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Columns 8 through 10

0.6871	0.5532	0.4050
0.7908	0.2539	0.7666
-0.8310	-0.4123	-0.6102
-0.3558	-0.1297	-0.3064
-0.4943	0.1438	-0.2065

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0.1970	0.0127	-0.0938
-0.5143	0.1381	0.5883
-0.5885	0.0538	-0.1257
0	0.3441	0.7257
0	0	0.0619

matrix dimension is 20  
x =

Columns 1 through 7

0.1873	0.3828	0.5745	0.8465	0.3331	0.0495	0.8382
0.0536	0.6002	0.2165	0.6459	0.9672	0.8397	0.6469
0.9300	0.2530	0.7519	0.7517	0.4296	0.9194	0.4486
0.6023	0.6005	0.6829	0.6862	0.7287	0.9408	0.2929
0.9507	0.2031	0.5211	0.0198	0.1915	0.3024	0.0898
0.5423	0.6837	0.6388	0.2370	0.2360	0.3630	0.7195
0.9670	0.1517	0.9472	0.3286	0.5865	0.3079	0.8872
0.1619	0.3303	0.0259	0.3510	0.6390	0.3958	0.6420
0.0004	0.7739	0.3590	0.0254	0.4279	0.1542	0.5254
0.8622	0.3425	0.4596	0.3884	0.6415	0.1634	0.1881
0.3196	0.0632	0.2586	0.1906	0.8889	0.8530	0.2554
0.1952	0.7293	0.3438	0.4225	0.6549	0.7697	0.5497
0.9994	0.5979	0.8997	0.3096	0.3804	0.4914	0.3270
0.2104	0.0428	0.8578	0.6352	0.3040	0.9992	0.1618
0.2726	0.7928	0.5795	0.1713	0.2967	0.4076	0.9118
0.9484	0.7975	0.0332	0.1051	0.8864	0.7350	0.8365
0.0155	0.9204	0.2727	0.3033	0.1504	0.8965	0.6730
0.8872	0.5622	0.7540	0.3161	0.9049	0.4962	0.4602
0.6541	0.1366	0.7788	0.0358	0.5157	0.5758	0.0536
0.9546	0.3362	0.6840	0.2608	0.3369	0.7364	0.0468

Columns 8 through 14

0.2593	0.3979	0.2747	0.9446	0.1220	0.2443	0.5669
0.1528	0.8709	0.4729	0.6712	0.7573	0.3461	0.1867
0.6459	0.1058	0.7163	0.4629	0.0220	0.4459	0.4060
0.1910	0.6611	0.5494	0.1546	0.4619	0.1263	0.3712
0.7792	0.4845	0.2031	0.0775	0.2485	0.5232	0.0988
0.2254	0.1072	0.4918	0.4574	0.7221	0.8442	0.9291
0.4586	0.6609	0.6642	0.3999	0.8513	0.6714	0.7528
0.2604	0.0686	0.1169	0.8942	0.0633	0.9283	0.0902
0.7660	0.7186	0.2206	0.5407	0.6677	0.4466	0.3451
0.8349	0.5492	0.4388	0.2571	0.6762	0.1884	0.2643
0.3021	0.9842	0.6907	0.4997	0.0371	0.4089	0.4797
0.4056	0.0596	0.4535	0.2295	0.4564	0.1097	0.4937
0.9322	0.4670	0.9325	0.1669	0.1213	0.1371	0.9208
0.2014	0.0434	0.7729	0.3175	0.4497	0.1132	0.1647
0.7686	0.9667	0.0102	0.6035	0.9025	0.7962	0.8389
0.6293	0.4341	0.9265	0.4718	0.0167	0.9220	0.7667
0.2479	0.1064	0.1030	0.7759	0.9116	0.4400	0.5383
0.3878	0.5807	0.4091	0.8211	0.3086	0.3534	0.1441
0.2562	0.0563	0.0674	0.2811	0.8510	0.7515	0.6013
0.8967	0.8907	0.7266	0.6575	0.0673	0.4814	0.9008

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Columns 15 through 20

0.2322	0.9653	0.9527	0.0986	0.0355	0.7117
0.6029	0.4183	0.3321	0.8174	0.7793	0.9634
0.6926	0.0462	0.6647	0.6284	0.6957	0.4070
0.0323	0.6195	0.8061	0.4899	0.0002	0.5298
0.3232	0.4631	0.0777	0.4629	0.4875	0.7077
0.5959	0.2264	0.0789	0.5386	0.2453	0.8878
0.5565	0.9546	0.0578	0.3642	0.6004	0.9979
0.2596	0.6051	0.3710	0.6830	0.6369	0.4268
0.2441	0.8254	0.6280	0.9343	0.6887	0.3370
0.3312	0.1503	0.8332	0.4906	0.3639	0.1791
0.8835	0.5945	0.3836	0.5782	0.6462	0.3778
0.4608	0.7561	0.5107	0.2939	0.5845	0.7145
0.0481	0.1232	0.2746	0.6499	0.0074	0.6213
0.6265	0.9880	0.3939	0.8942	0.1044	0.2998
0.9358	0.0686	0.7942	0.7904	0.8443	0.6840
0.6325	0.1990	0.1003	0.0114	0.1507	0.2597
0.7138	0.2286	0.1548	0.6350	0.1137	0.0437
0.0355	0.3173	0.0530	0.0614	0.5196	0.2207
0.4581	0.5092	0.4416	0.4116	0.4165	0.6136
0.2892	0.3858	0.9854	0.9343	0.6881	0.2587

$L =$

Columns 1 through 7

0.1874	0.2971	-0.3713	1.0000	0	0	0
0.0537	0.6235	-0.0078	0.7331	0.8053	0.1679	-0.5467
0.9306	-0.3330	-0.0009	0.9352	-0.3555	-0.9408	-0.0276
0.6027	0.2636	-0.0817	0.6636	0.3346	-0.2175	-0.6422
0.9513	-0.4013	0.2607	-0.1431	-0.2593	-0.2575	0.1884
0.5427	0.3943	-0.0548	-0.1050	0.0589	0.2340	0.3961
0.9676	-0.4685	-0.2233	0.1825	0.4576	0.0651	1.0000
0.1620	0.2563	0.2101	0.4651	0.3571	0.0711	-0.0509
0.0004	0.8491	-0.1568	-0.4479	0.7970	1.0000	0
0.8627	-0.1902	0.3018	0.4284	0.0308	0.0053	-0.4953
0.3198	-0.1404	-0.0081	0.2184	1.0000	0	0
0.1953	0.6723	0.0066	0.2710	0.5280	0.2187	-0.3404
1.0000	0	0	0	0	0	0
0.2105	-0.0912	-0.7810	0.6497	0.5096	-0.5243	0.0774
0.2728	0.6911	-0.1753	-0.2754	0.4105	0.5432	0.5691
0.9490	0.2525	1.0000	0	0	0	0
0.0155	1.0000	0	0	0	0	0
0.8877	0.0346	0.0606	0.0780	0.7122	0.4064	-0.1308
0.6545	-0.2796	-0.2960	-0.2686	0.7945	0.1854	0.2605
0.9552	-0.2579	0.1227	0.1236	-0.1402	-0.4554	-0.1215

Columns 8 through 14

0	0	0	0	0	0	0
0.4743	-0.1115	-0.2423	0.6801	0.3470	-0.2272	-0.1706

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-0.5215	0.6588	1.0000	0	0	0	0
0.8649	-0.3958	-0.3038	1.0000	0	0	0
-0.3772	-0.3352	0.9708	-0.0754	0.1662	0.4794	-0.1042
0.4763	-0.1072	-0.6710	-0.0253	-0.0313	0.7363	0.4166
0	0	0	0	0	0	0
-0.1299	0.8173	0.7486	-0.2308	-0.0686	0.1813	0.3718
0	0	0	0	0	0	0
0.0119	0.0684	0.8378	0.2167	1.0000	0	0
0	0	0	0	0	0	0
0.2553	0.8716	0.1996	0.5954	-0.3220	-0.9341	0.2335
0	0	0	0	0	0	0
-0.1102	1.0000	0	0	0	0	0
-0.3820	-0.5728	0.4096	0.2072	-0.3938	0.0980	0.0709
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
0.6046	0.7475	0.6037	-0.0104	0.0099	0.5077	1.0000
-0.3854	-0.6326	0.4562	-0.5355	0.5715	1.0000	0

Columns 15 through 20

0	0	0	0	0	0
-0.2025	-0.7928	0.8770	1.0000	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0.4653	1.0000	0	0	0	0
1.0000	0	0	0	0	0
0	0	0	0	0	0
-0.7118	-0.7655	1.0000	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
-0.5097	0.2695	-0.3234	-0.7911	1.0000	0
0	0	0	0	0	0
0	0	0	0	0	0
0.5463	0.0948	-0.3138	0.7628	-0.7732	1.0000
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0
0	0	0	0	0	0

$U =$

Columns 1 through 7

0.9994	0.5979	0.8997	0.3096	0.3804	0.4914	0.3270
0	0.9111	0.2587	0.2985	0.1445	0.8889	0.6679
0	0	-0.8860	-0.2641	0.4889	0.0441	0.3575
0	0	0	0.6017	0.4004	-0.2904	0.7112
0	0	0	0	0.7041	0.8844	0.0922
0	0	0	0	0	-1.4288	0.2592
0	0	0	0	0	0	0.7747

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Columns 8 through 14

0.9322	0.4670	0.9325	0.1669	0.1213	0.1371	0.9208
0.2335	0.0992	0.0886	0.7733	0.9097	0.4378	0.5240
-0.3143	-0.0341	0.0191	0.1181	-0.3282	0.6813	-0.2395
-0.1014	0.2682	0.0807	0.7274	-0.2928	0.3414	0.1497
0.0564	0.7900	0.3875	0.3971	0.1874	0.3575	0.2242
0.4277	0.1194	-0.1247	-0.0881	-0.4368	0.0496	-0.2494
-0.4394	-0.1703	-0.3763	0.3183	1.0829	0.6668	-0.0598
-0.6923	-0.4896	-0.7037	0.3770	0.3979	-0.0389	-0.7547
0	-0.6275	0.2359	-0.2591	0.0766	0.2224	-0.5893
0	0	-0.7097	0.3193	0.3283	0.1708	-0.5785
0	0	0	-0.9021	0.6402	0.2503	-0.3647
0	0	0	0	1.0783	-0.0915	0.1554
0	0	0	0	0	0.7253	-0.6060
0	0	0	0	0	0	1.5466
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Columns 15 through 20

0.0481	0.1232	0.2746	0.6499	0.0074	0.6213
0.7131	0.2267	0.1506	0.6249	0.1135	0.0341
0.4068	0.0248	-0.1983	-0.7633	0.1151	-0.3385
0.1623	0.8840	0.7829	-0.4923	0.0431	0.4594
0.9361	0.3941	0.1444	0.5594	0.6514	0.0809
-0.9709	0.7186	0.7046	-0.3826	0.1105	0.3960
0.5401	0.5587	-0.4365	-0.2836	0.3590	0.1905
-0.2706	-0.3701	-0.6912	-0.7326	0.0370	-0.5410
-0.1641	0.5197	-0.0603	-0.0064	-0.1227	-0.2987
0.1352	-0.5234	0.1083	0.1447	1.1320	-0.2686
-0.2265	0.6508	0.4966	0.4203	0.2467	0.2633
0.4271	0.2281	-0.0609	0.1311	-0.5108	-0.1605
-0.5234	1.3077	0.9243	0.2966	0.7204	-0.1686
0.5494	-0.3633	0.2581	-0.2839	-1.1146	0.8548
0.6522	-1.1554	-0.4406	0.3750	0.6539	0.2091

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0	1.1657	-0.2079	-0.4313	-1.1565	0.4471
0	0	-0.9058	0.5163	-0.5163	0.7560
0	0	0	-0.4429	0.2249	0.4180
0	0	0	0	1.3978	0.8313
0	0	0	0	0	0.1763

matrix dimension is 50

x =

Columns 1 through 7

0.3380	0.4303	0.4787	0.2471	0.0490	0.5596	0.7506
0.4621	0.6819	0.4880	0.8603	0.3086	0.0987	0.2494
0.3198	0.9807	0.5168	0.3364	0.4420	0.5632	0.3926
0.3675	0.3372	0.3550	0.9188	0.4186	0.1334	0.5673
0.4151	0.3831	0.1968	0.3706	0.4550	0.7488	0.9731
0.9624	0.7466	0.3203	0.9204	0.1911	0.6154	0.9271
0.5936	0.7188	0.7847	0.3701	0.0412	0.7429	0.7967
0.4483	0.9841	0.0613	0.2096	0.6285	0.1653	0.2030
0.2734	0.4363	0.6008	0.6018	0.7963	0.1850	0.5468
0.7564	0.5545	0.7549	0.2252	0.5598	0.9335	0.2274
0.4003	0.9024	0.7704	0.3130	0.7059	0.2667	0.6836
0.3628	0.1164	0.2377	0.2408	0.2284	0.8708	0.8623
0.4148	0.0771	0.6949	0.1458	0.0740	0.6204	0.5039
0.5420	0.8426	0.3277	0.3756	0.3984	0.0709	0.4798
0.7344	0.3230	0.9271	0.6277	0.3156	0.8429	0.1054
0.9791	0.4661	0.5073	0.7725	0.2522	0.7313	0.8344
0.7406	0.7127	0.2459	0.4807	0.1315	0.5757	0.6769
0.9768	0.4528	0.1020	0.0521	0.5510	0.0123	0.0753
0.1418	0.3128	0.7767	0.8820	0.3165	0.8019	0.2095
0.2156	0.0217	0.8971	0.3731	0.3039	0.9580	0.7298
0.7688	0.0056	0.5213	0.4295	0.6587	0.7768	0.1714
0.9386	0.0670	0.4436	0.2065	0.4084	0.3352	0.2998
0.8310	0.0458	0.6985	0.7097	0.4902	0.7388	0.8790
0.2356	0.5012	0.9580	0.5350	0.1021	0.9921	0.7855
0.5505	0.2440	0.6189	0.7769	0.0950	0.1949	0.4914
0.6207	0.3625	0.0407	0.1445	0.2424	0.1863	0.0724
0.9616	0.8604	0.7793	0.2656	0.7070	0.4507	0.4746
0.9559	0.9245	0.5974	0.5172	0.8083	0.0292	0.6119
0.2026	0.9431	0.4688	0.3923	0.7270	0.3229	0.4932
0.2925	0.0115	0.2368	0.1309	0.0422	0.3270	0.8262
0.5736	0.9296	0.4779	0.1091	0.1066	0.5715	0.0493
0.5046	0.2763	0.7527	0.1180	0.9997	0.4077	0.3027
0.0407	0.0941	0.3457	0.9469	0.8317	0.6670	0.0082
0.2211	0.8167	0.9052	0.3273	0.8580	0.4288	0.8275
0.2904	0.6374	0.6535	0.0376	0.2364	0.9444	0.9198
0.0390	0.5712	0.5262	0.3982	0.9928	0.4868	0.9470
0.6397	0.0008	0.5825	0.9843	0.3860	0.7437	0.3149
0.3551	0.2986	0.5942	0.2464	0.6543	0.1610	0.7855
0.5595	0.8796	0.6407	0.0050	0.8611	0.2998	0.6425
0.2115	0.4394	0.1292	0.6700	0.4121	0.7302	0.6497
0.9616	0.2293	0.2816	0.2677	0.5633	0.7481	0.1356
0.5650	0.7316	0.8507	0.5659	0.5117	0.9631	0.9020
0.6396	0.1642	0.1884	0.7591	0.2627	0.0618	0.8202

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0.0072	0.5657	0.3167	0.1687	0.8265	0.8311	0.2381
0.4969	0.6554	0.7763	0.9442	0.4494	0.6094	0.1464
0.3185	0.0410	0.5308	0.4350	0.3884	0.3746	0.7978
0.6714	0.1658	0.3587	0.0523	0.7882	0.8281	0.9050
0.1239	0.1474	0.9049	0.4027	0.3584	0.2838	0.6740
0.0135	0.7134	0.0638	0.8631	0.0654	0.0928	0.3485
0.5320	0.8620	0.7720	0.0502	0.2416	0.5876	0.8706

Columns 8 through 14

0.5701	0.2135	0.4215	0.3552	0.5230	0.5694	0.5611
0.2155	0.9798	0.1432	0.5956	0.7687	0.9552	0.0086
0.2474	0.7323	0.6195	0.6312	0.4236	0.6246	0.5179
0.0390	0.4718	0.8319	0.2282	0.8039	0.0628	0.2654
0.3664	0.6532	0.1098	0.0184	0.9367	0.2058	0.4680
0.6579	0.2234	0.7506	0.6710	0.4880	0.0720	0.2193
0.7328	0.9592	0.2145	0.5687	0.3645	0.0183	0.8971
0.0809	0.2569	0.6910	0.0820	0.4199	0.5389	0.1992
0.1671	0.9942	0.6464	0.9559	0.3895	0.9013	0.6604
0.8593	0.8433	0.2000	0.8213	0.6630	0.8248	0.2181
0.8995	0.5847	0.5401	0.0567	0.9681	0.4368	0.6600
0.8926	0.7761	0.4633	0.9589	0.7508	0.0965	0.2753
0.2709	0.2795	0.6134	0.6906	0.5932	0.4068	0.4300
0.6131	0.2478	0.1895	0.2353	0.9782	0.3842	0.9860
0.8158	0.0760	0.7786	0.5121	0.5545	0.6439	0.0982
0.7509	0.6322	0.3128	0.9509	0.7556	0.5633	0.7702
0.2168	0.6556	0.0760	0.9706	0.2695	0.1944	0.9701
0.4812	0.2821	0.6110	0.7721	0.8504	0.6173	0.1170
0.9334	0.3957	0.2585	0.0498	0.6098	0.3231	0.6925
0.6077	0.6066	0.7119	0.5210	0.4981	0.8733	0.6288
0.3552	0.0884	0.9386	0.5768	0.4394	0.7571	0.3312
0.9703	0.3721	0.7247	0.7382	0.1887	0.7521	0.6371
0.3015	0.3561	0.5421	0.8291	0.8726	0.5406	0.6289
0.2265	0.4019	0.8990	0.6519	0.0930	0.5391	0.2354
0.4677	0.4683	0.7413	0.3972	0.7611	0.0783	0.6726
0.6993	0.1405	0.4867	0.3766	0.0047	0.3453	0.2773
0.0899	0.3609	0.5781	0.0566	0.0772	0.6936	0.9281
0.0314	0.1211	0.8968	0.4009	0.1288	0.2747	0.7095
0.5190	0.4265	0.0447	0.2070	0.9380	0.1434	0.4752
0.8820	0.1667	0.1276	0.8045	0.7694	0.6161	0.4112
0.1055	0.3210	0.1088	0.1779	0.5467	0.5477	0.7647
0.7603	0.2553	0.4750	0.3814	0.7986	0.0984	0.3028
0.8459	0.2584	0.8465	0.2640	0.5645	0.6893	0.9448
0.0898	0.5255	0.7307	0.0197	0.9021	0.3112	0.4913
0.3209	0.7349	0.6238	0.5834	0.8436	0.9149	0.6797
0.1673	0.1036	0.9997	0.2324	0.8337	0.7795	0.3232
0.8474	0.7456	0.8662	0.6612	0.1988	0.5378	0.3850
0.4847	0.5926	0.0618	0.0374	0.6468	0.4022	0.5248
0.7001	0.2561	0.1771	0.1621	0.0735	0.8054	0.1529
0.5060	0.0713	0.7530	0.5319	0.8959	0.1688	0.5176
0.2938	0.6178	0.0060	0.6102	0.6971	0.7425	0.4380
0.6283	0.0729	0.7485	0.5434	0.2012	0.2856	0.7467
0.6355	0.1291	0.7095	0.0701	0.6302	0.2441	0.9599
0.7685	0.8011	0.3105	0.0971	0.0189	0.2625	0.4418

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0.6397	0.4839	0.9724	0.7933	0.8086	0.3662	0.9694
0.6952	0.0550	0.5966	0.2946	0.0167	0.8991	0.5001
0.1631	0.6668	0.4486	0.1945	0.8461	0.8490	0.2127
0.9638	0.0539	0.8059	0.1852	0.1602	0.5117	0.5090
0.6618	0.7981	0.4296	0.1840	0.7126	0.1067	0.0479
0.2355	0.6215	0.2186	0.7841	0.3719	0.5975	0.7434

Columns 15 through 21

0.0058	0.9343	0.0132	0.5392	0.3130	0.0919	0.0770
0.5641	0.3507	0.6530	0.1370	0.8790	0.1765	0.3037
0.2483	0.9565	0.3977	0.3378	0.2031	0.2095	0.6670
0.4399	0.3639	0.4217	0.3516	0.2561	0.5306	0.6309
0.8128	0.5048	0.2045	0.5021	0.8318	0.2564	0.0801
0.8390	0.2341	0.7936	0.6745	0.4409	0.9774	0.3674
0.9706	0.7558	0.7094	0.0182	0.9493	0.0412	0.9211
0.5471	0.7929	0.0759	0.7398	0.5902	0.7859	0.8159
0.2697	0.0778	0.8708	0.7216	0.5448	0.7165	0.2589
0.0128	0.9288	0.4171	0.2471	0.6715	0.7393	0.3946
0.5008	0.7958	0.0333	0.9469	0.3399	0.4162	0.6786
0.2467	0.5816	0.3887	0.1161	0.9838	0.5171	0.0050
0.4350	0.0696	0.9068	0.1347	0.4066	0.4322	0.4420
0.0120	0.6469	0.5195	0.1498	0.9566	0.1792	0.0949
0.6085	0.1766	0.6074	0.9332	0.7943	0.5587	0.5219
0.2738	0.1754	0.7099	0.1583	0.9484	0.2921	0.3932
0.9087	0.4409	0.3913	0.1179	0.4999	0.2578	0.9876
0.8579	0.2067	0.2927	0.3654	0.1109	0.6008	0.6576
0.4285	0.8199	0.9890	0.8319	0.5606	0.6907	0.5774
0.2182	0.7750	0.8950	0.9552	0.6401	0.4773	0.7630
0.5387	0.4618	0.1166	0.8344	0.6541	0.1153	0.7988
0.6849	0.9188	0.8923	0.0839	0.7986	0.6401	0.9090
0.7231	0.7617	0.6340	0.6106	0.8195	0.4716	0.3090
0.3715	0.5469	0.9479	0.2022	0.1768	1.0000	0.1669
0.6692	0.2128	0.4323	0.5885	0.5699	0.3444	0.8553
0.1948	0.5574	0.4323	0.9250	0.1057	0.2300	0.2779
0.2636	0.1173	0.8891	0.4036	0.8092	0.0711	0.1954
0.6156	0.9523	0.8845	0.9381	0.3184	0.0300	0.4156
0.6665	0.7620	0.4961	0.7398	0.7514	0.1634	0.1003
0.5425	0.4281	0.3143	0.0661	0.9301	0.2222	0.0102
0.3920	0.5153	0.3400	0.1437	0.9818	0.3741	0.0423
0.9146	0.2738	0.4944	0.8665	0.0566	0.8904	0.5739
0.2733	0.0036	0.1487	0.3224	0.8436	0.1578	0.2605
0.0848	0.8197	0.0373	0.7629	0.6804	0.5728	0.5169
0.1610	0.8013	0.8900	0.8806	0.5058	0.6158	0.6096
0.0330	0.7226	0.0872	0.5052	0.2954	0.3995	0.1775
0.7624	0.0333	0.1872	0.4708	0.2989	0.1438	0.0686
0.6582	0.6451	0.6674	0.6849	0.9274	0.8646	0.9500
0.0622	0.5648	0.3103	0.2949	0.9732	0.7312	0.6797
0.1173	0.0044	0.8597	0.6549	0.9797	0.7131	0.7300
0.7895	0.9919	0.7268	0.9064	0.6497	0.2525	0.5685
0.4234	0.9337	0.0552	0.8029	0.1544	0.9497	0.4949
0.3677	0.7516	0.7375	0.7181	0.1931	0.6856	0.3865
0.7711	0.7123	0.6943	0.6940	0.9383	0.2102	0.0743
0.8005	0.5146	0.9044	0.5999	0.2508	0.1928	0.3660

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0.4034	0.0349	0.9202	0.6444	0.2213	0.6514	0.7646
0.3843	0.7573	0.3166	0.3780	0.8137	0.1288	0.1844
0.2382	0.2356	0.4665	0.6154	0.4414	0.1077	0.5190
0.3301	0.4835	0.1376	0.0737	0.7633	0.9046	0.8153
0.5111	0.2586	0.0941	0.2093	0.1503	0.2649	0.4784

Columns 22 through 28

0.3529	0.5286	0.1615	0.4695	0.5117	0.3233	0.8123
0.7913	0.3352	0.3531	0.7531	0.8103	0.1576	0.8691
0.1014	0.5752	0.4499	0.9259	0.2604	0.5971	0.2858
0.8406	0.2331	0.8423	0.8989	0.1761	0.5774	0.0948
0.6236	0.1552	0.9126	0.3510	0.3009	0.8167	0.4445
0.3531	0.7606	0.7627	0.8528	0.1005	0.2170	0.7227
0.0879	0.1468	0.0227	0.7473	0.3474	0.1725	0.3881
0.9903	0.4528	0.9266	0.2267	0.5416	0.6636	0.7911
0.0841	0.2940	0.5724	0.8442	0.0889	0.3116	0.6413
0.8023	0.0095	0.8957	0.2278	0.6394	0.7194	0.0269
0.1568	0.9381	0.8846	0.7538	0.5142	0.1377	0.0843
0.9599	0.0954	0.7678	0.4032	0.0105	0.4986	0.5695
0.8018	0.4614	0.1776	0.3423	0.7178	0.3608	0.9264
0.1208	0.6996	0.4594	0.1481	0.6938	0.1595	0.1447
0.8756	0.4002	0.6226	0.2533	0.5764	0.3444	0.6178
0.8673	0.8890	0.4708	0.8108	0.8081	0.0461	0.3649
0.4561	0.6121	0.4933	0.2726	0.0378	0.3179	0.8168
0.0432	0.9764	0.6879	0.1677	0.3204	0.2348	0.5684
0.1499	0.5638	0.0342	0.9807	0.4148	0.3836	0.9863
0.9902	0.1777	0.0912	0.6792	0.8604	0.2769	0.6531
0.4919	0.3922	0.0025	0.0614	0.6431	0.4766	0.1992
0.9305	0.2482	0.8228	0.4754	0.3950	0.9450	0.0852
0.0545	0.1353	0.6134	0.0700	0.3798	0.3365	0.1264
0.3093	0.8273	0.4308	0.3867	0.6727	0.4041	0.9870
0.8778	0.1277	0.9374	0.6247	0.0751	0.3834	0.9626
0.0368	0.1037	0.0262	0.8994	0.6203	0.3388	0.8733
0.9610	0.2254	0.1817	0.7807	0.6020	0.5827	0.7677
0.5101	0.5474	0.4278	0.5801	0.6814	0.4982	0.5691
0.9128	0.8764	0.2231	0.6861	0.9761	0.5345	0.0551
0.5738	0.3320	0.6892	0.9918	0.5446	0.1884	0.8012
0.7225	0.3706	0.3081	0.1517	0.3264	0.9244	0.4749
0.9036	0.7861	0.4501	0.3237	0.6433	0.7615	0.4408
0.7856	0.5001	0.1429	0.1183	0.7009	0.8832	0.9238
0.5855	0.0904	0.8119	0.0938	0.3839	0.4643	0.2578
0.7910	0.3369	0.9406	0.5788	0.9003	0.5844	0.1539
0.7483	0.0629	0.0137	0.4714	0.0867	0.4697	0.0271
0.3142	0.3499	0.4434	0.8938	0.0379	0.7388	0.2354
0.5022	0.7048	0.5548	0.1562	0.2596	0.2821	0.8051
0.7417	0.6474	0.3223	0.0773	0.3241	0.1342	0.0568
0.5344	0.1434	0.8713	0.3299	0.7363	0.8801	0.8847
0.6980	0.0227	0.1459	0.2083	0.8960	0.2374	0.3735
0.6769	0.1887	0.9442	0.2117	0.7423	0.8269	0.1996
0.7662	0.5020	0.5885	0.0400	0.5256	0.4316	0.3064
0.6347	0.2067	0.6541	0.9829	0.9610	0.4124	0.1020
0.5390	0.8360	0.1659	0.2151	0.2478	0.8876	0.2154
0.6120	0.6730	0.6509	0.3991	0.5650	0.3100	0.3312

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0.8003	0.0168	0.9690	0.0616	0.5982	0.7531	0.6396
0.6147	0.4823	0.8469	0.4469	0.6820	0.8260	0.6095
0.0590	0.1185	0.5318	0.7401	0.6015	0.5100	0.3157
0.3426	0.1679	0.5303	0.1449	0.3029	0.3186	0.0775

Columns 29 through 35

0.5060	0.6330	0.2615	0.1440	0.8905	0.6386	0.7429
0.5492	0.8843	0.7191	0.0143	0.8769	0.6108	0.1462
0.7397	0.2944	0.0528	0.5807	0.4110	0.3400	0.3662
0.9358	0.2587	0.7742	0.6207	0.0656	0.0259	0.0158
0.0062	0.5587	0.7268	0.5997	0.8473	0.7309	0.2438
0.1615	0.8302	0.3915	0.3355	0.2361	0.3661	0.8471
0.9169	0.7404	0.5731	0.8156	0.0566	0.4330	0.9039
0.0836	0.1840	0.3797	0.3910	0.8410	0.1236	0.3286
0.3540	0.8512	0.3684	0.8813	0.0966	0.9153	0.0888
0.2757	0.6934	0.7267	0.0042	0.1831	0.3221	0.6109
0.1952	0.0695	0.8551	0.8176	0.0640	0.0182	0.2120
0.3578	0.9369	0.6641	0.3456	0.5628	0.9255	0.4630
0.2859	0.5528	0.6451	0.3073	0.8773	0.6506	0.8113
0.0897	0.5322	0.5858	0.2955	0.3052	0.4335	0.0234
0.1244	0.3252	0.3271	0.2491	0.6523	0.7470	0.9902
0.4704	0.7324	0.2334	0.8225	0.2235	0.0616	0.4293
0.5232	0.3022	0.5804	0.2515	0.0350	0.2168	0.4609
0.3432	0.2111	0.7700	0.4047	0.6443	0.7550	0.6665
0.5829	0.1511	0.2077	0.6532	0.5395	0.2273	0.3115
0.3415	0.0994	0.7443	0.9010	0.9961	0.8489	0.3971
0.8318	0.1808	0.4697	0.9796	0.4192	0.1790	0.7920
0.8615	0.8387	0.9854	0.5402	0.9510	0.2906	0.7029
0.2612	0.3381	0.3843	0.0406	0.9927	0.9923	0.7461
0.0361	0.7514	0.9849	0.9243	0.1991	0.4001	0.5742
0.3681	0.9033	0.5188	0.3215	0.8703	0.9388	0.6209
0.4711	0.5158	0.7209	0.0500	0.6982	0.9883	0.1995
0.3319	0.4288	0.2588	0.2402	0.2255	0.2901	0.9002
0.6989	0.2288	0.9644	0.0734	0.6001	0.9005	0.0980
0.3001	0.3771	0.9274	0.6027	0.0192	0.8332	0.2954
0.2498	0.9955	0.1608	0.4889	0.7132	0.6657	0.8980
0.7514	0.2877	0.0740	0.8841	0.5234	0.6555	0.7774
0.4257	0.1315	0.2041	0.2093	0.7312	0.2458	0.1758
0.7334	0.5117	0.5431	0.6741	0.5314	0.1116	0.9244
0.4651	0.7337	0.4688	0.9612	0.8662	0.9532	0.8414
0.1008	0.3163	0.2845	0.8431	0.3066	0.7989	0.1932
0.5766	0.0633	0.9071	0.5932	0.0056	0.2591	0.4648
0.4514	0.8670	0.3455	0.6007	0.1887	0.5006	0.2929
0.6745	0.6588	0.5405	0.4923	0.9111	0.0523	0.6805
0.2861	0.1454	0.0744	0.6668	0.8953	0.4138	0.2328
0.7278	0.6497	0.4437	0.3848	0.8403	0.2778	0.6825
0.8784	0.1938	0.6910	0.2570	0.2578	0.2735	0.7279
0.0336	0.9002	0.0659	0.5167	0.2087	0.9242	0.0917
0.7449	0.9803	0.5694	0.4799	0.3482	0.2608	0.5746
0.6919	0.5395	0.4501	0.9637	0.4314	0.7504	0.2220
0.8752	0.2623	0.0178	0.0872	0.5975	0.6298	0.0886
0.2412	0.4500	0.7671	0.2051	0.3774	0.3355	0.1913
0.8263	0.0049	0.5547	0.1863	0.9653	0.1815	0.9952

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0.7994	0.3858	0.0190	0.8260	0.3247	0.4296	0.0034
0.8019	0.5525	0.3410	0.3047	0.5780	0.9756	0.3167
0.0949	0.8917	0.6175	0.5568	0.1500	0.6740	0.6999

Columns 36 through 42

0.2553	0.0726	0.7112	0.8206	0.2646	0.2087	0.5965
0.3135	0.9688	0.1674	0.6040	0.7884	0.7743	0.5174
0.2940	0.2855	0.9129	0.0834	0.0360	0.3009	0.5377
0.5776	0.8243	0.7700	0.5135	0.0879	0.7812	0.3631
0.4261	0.8604	0.3350	0.5305	0.7894	0.8950	0.5085
0.5287	0.5335	0.8911	0.5407	0.0628	0.1871	0.5163
0.9195	0.6527	0.8421	0.3755	0.2679	0.8361	0.6905
0.0380	0.9620	0.2015	0.7937	0.2642	0.8684	0.9878
0.4288	0.3584	0.7663	0.3473	0.2052	0.7341	0.7345
0.1106	0.8152	0.5370	0.5168	0.3239	0.4155	0.7080
0.2265	0.6785	0.3889	0.3075	0.0236	0.4707	0.6259
0.1646	0.2418	0.1083	0.9991	0.2130	0.6410	0.4448
0.4627	0.0101	0.1852	0.5448	0.9656	0.7557	0.4278
0.3460	0.1170	0.0468	0.5033	0.1139	0.9076	0.4880
0.7655	0.5285	0.4561	0.0676	0.2392	0.2748	0.4474
0.7986	0.4458	0.9352	0.4370	0.2227	0.3653	0.6194
0.6363	0.2361	0.5320	0.1730	0.6518	0.7740	0.8637
0.2556	0.7878	0.0262	0.0446	0.9427	0.6370	0.6632
0.0015	0.5557	0.6259	0.1864	0.8784	0.0479	0.6641
0.8495	0.9913	0.6523	0.3961	0.1258	0.2922	0.6288
0.6748	0.4875	0.5963	0.1554	0.0695	0.5491	0.0856
0.0205	0.3929	0.5067	0.6725	0.0400	0.9038	0.4946
0.3347	0.7947	0.0681	0.1806	0.3512	0.7063	0.4000
0.7659	0.9811	0.1445	0.8710	0.7492	0.9860	0.2653
0.5160	0.2853	0.8781	0.7679	0.9551	0.3932	0.9052
0.0194	0.4478	0.4948	0.4676	0.4018	0.5626	0.8012
0.3200	0.8805	0.6032	0.4204	0.7004	0.2897	0.1315
0.4587	0.7956	0.5051	0.9131	0.5144	0.2399	0.1798
0.5545	0.0081	0.3242	0.3039	0.5102	0.7155	0.0030
0.5080	0.0373	0.6407	0.4698	0.0930	0.5171	0.9470
0.6672	0.5447	0.0338	0.8439	0.6018	0.0256	0.1333
0.5616	0.5262	0.0603	0.1822	0.0106	0.9058	0.5778
0.7129	0.2333	0.8944	0.3792	0.8944	0.2200	0.6046
0.9708	0.3748	0.3868	0.0687	0.0563	0.2682	0.7868
0.9160	0.6608	0.1317	0.8734	0.1880	0.8054	0.8631
0.3834	0.1245	0.7934	0.0943	0.2353	0.0638	0.5374
0.2898	0.4907	0.8095	0.5210	0.0646	0.1951	0.6005
0.2754	0.0885	0.2391	0.5220	0.1531	0.4301	0.1344
0.7786	0.0039	0.4743	0.5375	0.3836	0.0260	0.1455
0.3878	0.2207	0.1275	0.4991	0.1803	0.6411	0.4703
0.8520	0.6416	0.0124	0.5521	0.0365	0.0255	0.7257
0.8518	0.5694	0.4089	0.1927	0.1653	0.5701	0.7433
0.2332	0.5606	0.2128	0.4122	0.0791	0.3273	0.3468
0.2896	0.0316	0.7873	0.2067	0.8181	0.9832	0.0582
0.1553	0.6261	0.0082	0.1795	0.1821	0.6893	0.4167
0.9827	0.6442	0.8459	0.6651	0.8478	0.2257	0.4738
0.8313	0.5455	0.8215	0.6042	0.2354	0.3218	0.0568
0.5999	0.8461	0.7043	0.0344	0.2537	0.3591	0.6280

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0.4113	0.7987	0.7651	0.9837	0.8409	0.8288	0.3784
0.1736	0.8770	0.7669	0.2427	0.2454	0.3008	0.3305

Columns 43 through 49

0.6248	0.6075	0.1892	0.9703	0.4408	0.9837	0.2163
0.3320	0.0127	0.4004	0.1296	0.3111	0.7088	0.4939
0.9000	0.9765	0.6989	0.1612	0.8987	0.9950	0.7164
0.7896	0.9133	0.6508	0.0087	0.8663	0.1336	0.4364
0.0246	0.4800	0.1341	0.6631	0.0759	0.0166	0.9094
0.8475	0.6095	0.7150	0.1467	0.4124	0.7411	0.4531
0.5776	0.3016	0.9013	0.2005	0.9081	0.1898	0.4287
0.0930	0.7625	0.6468	0.2731	0.0909	0.3551	0.4973
0.7246	0.3323	0.1473	0.2168	0.9286	0.2822	0.4730
0.4565	0.2433	0.3206	0.5883	0.8793	0.4102	0.6492
0.4952	0.3826	0.4832	0.1419	0.2998	0.8169	0.4737
0.1787	0.0590	0.7887	0.3077	0.0058	0.2083	0.5002
0.8187	0.5920	0.9593	0.4957	0.9964	0.1328	0.6174
0.7956	0.2708	0.4773	0.0086	0.5822	0.8372	0.7353
0.3240	0.1428	0.5065	0.5431	0.2753	0.6811	0.4747
0.2973	0.6501	0.5812	0.3912	0.5693	0.2445	0.7911
0.7566	0.9194	0.7571	0.5516	0.5347	0.6424	0.5220
0.6374	0.9242	0.7827	0.6510	0.2653	0.0622	0.9922
0.3981	0.3261	0.2238	0.0711	0.5180	0.7136	0.6534
0.9248	0.9312	0.1575	0.8111	0.8660	0.9974	0.5355
0.9828	0.4204	0.5862	0.0719	0.9715	0.7124	0.7749
0.6760	0.5890	0.5190	0.1057	0.8684	0.9600	0.4034
0.4736	0.2193	0.8477	0.9819	0.0527	0.7850	0.0280
0.1107	0.9822	0.5580	0.5879	0.2333	0.2491	0.8592
0.9714	0.9802	0.2565	0.3257	0.9831	0.0069	0.8721
0.4648	0.2426	0.5238	0.9940	0.4441	0.5434	0.9305
0.6675	0.7616	0.2546	0.4214	0.2859	0.9975	0.6025
0.0405	0.0403	0.1406	0.2626	0.5771	0.6215	0.2010
0.6341	0.5769	0.0299	0.8576	0.9027	0.2653	0.2617
0.7104	0.7008	0.6914	0.5979	0.4036	0.6069	0.1055
0.4950	0.5302	0.5725	0.0022	0.4559	0.9342	0.0933
0.7518	0.4898	0.5296	0.8565	0.0089	0.5577	0.7166
0.3555	0.2394	0.1945	0.0090	0.9824	0.3439	0.2270
0.5671	0.3801	0.4532	0.8061	0.8991	0.4362	0.7919
0.5012	0.2149	0.2094	0.0128	0.4528	0.7386	0.3161
0.7760	0.5734	0.4773	0.5468	0.0021	0.2344	0.8284
0.6559	0.9769	0.7245	0.3971	0.5815	0.1774	0.8708
0.7583	0.1379	0.0389	0.2885	0.4353	0.1572	0.6489
0.7919	0.1087	0.6284	0.5200	0.7045	0.7279	0.8928
0.0164	0.5995	0.7887	0.4513	0.6511	0.6760	0.6113
0.7276	0.4664	0.9677	0.9083	0.1249	0.0481	0.0624
0.6277	0.9073	0.0130	0.0471	0.4061	0.6975	0.7264
0.8320	0.6885	0.9060	0.3553	0.0115	0.0191	0.7949
0.1639	0.0162	0.9243	0.2088	0.1855	0.8113	0.2600
0.9827	0.1842	0.2493	0.1879	0.7665	0.5783	0.4132
0.8082	0.7980	0.9664	0.2056	0.1401	0.8831	0.9399
0.6303	0.8908	0.5187	0.1150	0.4471	0.1561	0.3579
0.7236	0.2856	0.2408	0.3483	0.3584	0.5443	0.0637
0.2427	0.7987	0.2229	0.6228	0.3146	0.3873	0.7727

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0.6945	0.8762	0.4532	0.2091	0.4476	0.3895	0.1858
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Column 50

0.9115
0.5206
0.7208
0.9129
0.9264
0.3754
0.6042
0.6024
0.2990
0.3804
0.2830
0.4653
0.2902
0.8291
0.0695
0.3820
0.4061
0.4779
0.2160
0.8184
0.9346
0.8709
0.4780
0.9751
0.1853
0.6065
0.4575
0.1956
0.3048
0.3179
0.6052
0.4654
0.3710
0.9387
0.9124
0.9668
0.5751
0.4286
0.0055
0.0253
0.5967
0.1319
0.9372
0.3105
0.8313
0.0334
0.8598
0.9051
0.1891
0.5148

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$L =$

Columns 1 through 7

0.3452	0.3182	0.2289	-0.1782	-0.1944	-0.2848	-0.0749
0.4720	0.5456	0.0610	0.4363	-0.4486	0.4275	-0.0616
0.3267	0.9784	-0.0060	-0.1745	-0.1728	-0.3950	0.4034
0.3753	0.1917	0.1156	0.6858	-0.2679	0.4873	-0.6036
0.4240	0.2191	-0.1195	0.0234	0.2073	-0.5185	-0.3220
0.9830	0.3407	-0.3686	0.2026	-0.2825	-0.2669	-0.1819
0.6063	0.5152	0.3531	-0.3656	-0.3096	-0.2497	0.2411
0.4578	0.9103	-0.6123	-0.2675	0.2462	-0.1921	0.3323
0.2793	0.3616	0.3993	0.2606	0.1748	0.7559	-0.3858
0.7726	0.2295	0.3407	-0.6164	0.4699	-0.0483	0.9633
0.4088	0.8407	0.3135	-0.3303	0.1418	0.5113	-0.0383
0.3706	-0.0665	0.0901	-0.0618	0.1787	-0.6254	-0.1553
0.4237	-0.1422	0.6483	-0.3618	0.0889	0.1501	0.2133
0.5536	0.6905	-0.2492	-0.1921	-0.0040	0.2424	-0.0140
0.7501	-0.0315	0.6803	-0.1200	0.0120	0.2889	0.7908
1.0000	0	0	0	0	0	0
0.7565	0.4253	-0.3568	-0.1500	-0.1278	-0.4597	0.1328
0.9977	-0.0145	-0.4863	-0.7441	0.8808	0.6377	0.5114
0.1448	0.2898	0.7289	0.6618	-0.5348	-0.1107	0.2064
0.2202	-0.0956	1.0000	0	0	0	0
0.7852	-0.4257	0.3387	-0.1896	0.7132	0.3559	0.5485
0.9587	-0.4487	0.1469	-0.5686	0.7392	0.7445	0.3532
0.8487	-0.4131	0.5099	0.0434	0.3422	0.5268	-0.2225
0.2406	0.4595	0.8154	0.0721	-0.5319	-0.3933	0.1120
0.5623	-0.0213	0.4163	0.3117	-0.3405	0.6524	-0.2664
0.6340	0.0791	-0.3776	-0.3423	0.3446	0.0414	0.3987
0.9822	0.4755	0.1317	-0.7780	0.5620	0.6071	0.5762
0.9764	0.5544	-0.1216	-0.4158	0.4626	1.0000	0
0.2069	1.0000	0	0	0	0	0
0.2988	-0.1509	0.1709	-0.1270	0.0911	0.0067	-0.4803
0.5858	0.7755	-0.1237	-0.6091	-0.1209	-0.4860	1.0000
0.5154	0.0426	0.5801	-0.5167	0.9278	0.9356	0.3133
0.0415	0.0882	0.3567	1.0000	0	0	0
0.2259	0.8403	0.5911	-0.2158	0.1765	0.4901	-0.1877
0.2966	0.5895	0.3518	-0.5010	-0.0192	-0.6784	0.1906
0.0398	0.6528	0.3273	0.1744	0.3043	0.1587	-0.5843
0.6534	-0.3588	0.4652	0.5629	-0.0449	0.2852	0.0839
0.3627	0.1529	0.4323	-0.2048	0.4264	0.8078	-0.4600
0.5714	0.7242	0.1064	-0.7725	0.6498	0.4958	0.2020
0.2160	0.4001	-0.1535	0.5464	-0.2046	-0.7151	-0.2489
0.9821	-0.2699	-0.1445	-0.4862	0.8006	0.0254	0.7818
0.5771	0.5463	0.4379	-0.1296	-0.0515	-0.2083	0.1369
0.6532	-0.1657	-0.1009	0.3879	-0.0101	0.5652	-0.7769
0.0073	0.6640	0.0871	-0.0135	0.3337	-0.6447	0.4257
0.5075	0.4947	0.4131	0.4229	-0.3882	0.1860	0.3957
0.3253	-0.1307	0.5039	0.1235	0.1459	0.4739	-0.5229
0.6857	-0.1816	0.0938	-0.5606	1.0000	0	0
0.1266	0.1045	0.9787	0.0740	-0.0916	0.7958	-0.4113

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0.0138	0.8350	-0.3011	0.8921	-0.9201	-0.4197	-0.4389
0.5434	0.7189	0.2862	-0.7385	0.0092	-0.0981	0.2224

Columns 8 through 14

-0.0059	-0.4048	0.3513	0.0297	-0.1520	0.4914	0.0740
-0.3108	1.0000	0	0	0	0	0
-0.2216	0.3037	0.5739	-0.9258	0.3446	-0.1076	0.1861
-0.6022	0.4320	0.3189	0.1764	-0.4729	-0.5470	-0.0743
-0.3504	-0.0817	0.2674	0.3488	0.0328	0.0588	-0.2936
-0.3046	-0.4327	0.5372	0.0253	-0.0537	0.1496	0.6857
0.0885	0.2605	0.2707	0.1909	0.4182	-0.3119	-0.4308
-0.0763	0.0082	0.6602	-0.5270	0.0698	0.2252	0.3402
-0.1994	0.8913	0.1299	-0.9497	0.3185	-0.2418	-0.4069
0.6426	0.2497	-0.3204	-0.2593	0.3293	-0.3481	0.5028
0.4830	0.0652	0.2436	0.5479	-0.2177	0.1291	-0.2486
0.1426	-0.1025	0.6485	-0.9037	0.1390	-0.5026	0.2515
0.0819	-0.0965	-0.0324	-0.3648	-0.3855	-0.5049	0.2251
0.2481	-0.1039	0.1806	0.2645	-0.3855	0.2751	-0.4214
0.4321	-0.2792	-0.4487	0.4705	-0.3382	-0.2456	1.0000
0	0	0	0	0	0	0
-0.3507	0.1384	0.2665	-0.7612	0.4716	-0.1218	-0.2842
0.8009	0.1196	0.1811	-0.6754	-0.4656	-0.4382	0.4249
0.0036	0.0015	-0.3654	1.0000	0	0	0
0	0	0	0	0	0	0
0.2608	-0.1942	-0.3356	-0.2062	-0.2183	-0.3823	0.6398
1.0000	0	0	0	0	0	0
-0.1938	-0.0742	-0.4640	0.0588	-0.3925	-0.3686	0.0891
-0.5639	-0.1781	0.2795	-0.4339	0.2099	0.0080	0.6671
-0.0530	0.3436	0.1392	0.5127	-0.5752	-0.5958	-0.3029
0.6130	-0.1664	0.3592	-0.1704	0.1703	0.1965	0.2679
0.1705	0.0770	-0.2968	0.5692	0.2632	0.2337	-0.2826
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3747	-0.4696	0.2336	-0.3784	-0.3453	0.5083	0.0586
0	0	0	0	0	0	0
0.8443	-0.0780	-0.5751	0.1647	-0.2437	-0.7006	0.2632
0	0	0	0	0	0	0
-0.2581	0.1491	0.0677	0.1565	-0.2428	-0.2890	-0.1065
-0.2255	-0.0846	0.6337	-0.7546	-0.0148	0.1002	0.0197
-0.4240	-0.4049	0.3750	-0.5510	-0.2890	0.4138	0.3844
0.1012	0.4218	0.0197	0.2403	0.2415	-0.3829	0.1974
0.2590	0.2489	-0.2924	0.7492	-0.0270	0.1805	-0.6322
0.6285	-0.2961	-0.1942	0.2940	0.5048	0.9766	0.2926
-0.4676	-0.5494	0.6039	-0.6820	-0.2904	-0.0663	0.5012
0.3058	0.2719	-0.5386	-0.1002	0.1288	-0.4094	0.0820
-0.1485	-0.6949	0.0271	-0.0377	0.2368	0.2902	0.5002
-0.0110	-0.1930	0.3646	0.8509	-0.5143	0.3615	-0.6027
0.2323	0.1545	0.3237	-0.3165	1.0000	0	0
-0.0574	0.2607	0.1214	-0.3396	-0.2843	-0.7441	0.1778
0.1671	-0.4061	-0.0042	0.3950	0.0671	1.0000	0
0	0	0	0	0	0	0
0.4640	-0.3445	-0.0114	0.6732	-0.1865	0.5231	0.0342
-0.3873	0.5337	1.0000	0	0	0	0

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-0.0554	0.0075	0.1515	-0.6007	0.2928	0.1643	-0.1130
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Columns 15 through 21

0.1725	-0.5305	0.5130	-0.3477	0.0712	0.8192	0.0480
0	0	0	0	0	0	0
0.1868	-0.4965	0.1125	0.1317	0.7201	0.6883	-0.7327
-0.3739	0.3758	-0.1267	0.3476	0.0364	-0.2984	0.0249
-0.5443	0.2048	0.3527	-0.1327	-0.3063	-0.1249	0.0767
-0.4947	-0.4906	0.2147	0.0936	-0.1351	-0.3022	0.2340
-0.4306	0.7172	0.4431	0.4186	-0.1200	0.7011	-0.9810
0.0319	-0.5355	0.0748	-0.3799	0.1110	-0.3776	-0.0906
0.1221	0.4581	-0.3799	-0.0254	0.4400	-0.9500	1.0000
0.7412	-0.2671	-0.0578	-0.0802	0.7900	0.1914	0.1220
0.4204	0.9790	-0.0097	-0.3715	0.9751	1.0000	0
-0.1327	-0.2903	0.0202	0.2317	-0.1781	-0.2340	0.4710
-0.3621	0.3543	-0.3739	0.7218	0.1613	-0.0880	-0.1811
0.4260	0.2806	-0.4727	-0.0597	0.1340	0.3174	0.2941
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.7440	-0.4183	0.8184	-0.0936	-0.1823	-0.3246	-0.8839
-0.1722	0.1455	-0.3206	-0.2675	1.0000	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.2149	-0.4206	0.3700	-0.2959	-0.1830	-0.2905	-0.3786
0	0	0	0	0	0	0
-0.6004	-0.3406	0.5581	0.0779	-0.7134	-0.8670	0.3589
-0.2353	-0.5407	0.2441	1.0000	0	0	0
-0.4681	1.0000	0	0	0	0	0
0.2909	-0.3416	-0.1554	-0.7950	0.5505	0.3271	0.3313
0.4283	0.9930	-0.5505	0.2189	0.3567	0.2624	0.0280
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.3315	-0.5233	0.4395	-0.0478	-0.6591	-0.0213	0.3052
0	0	0	0	0	0	0
-0.0542	0.9493	-0.2755	0.1765	0.8728	-0.3599	0.2888
0	0	0	0	0	0	0
0.3960	0.7214	-0.0879	0.2636	0.1947	-0.0902	0.2322
0.0352	-0.1926	-0.3496	0.0215	0.5746	0.2153	-0.0766
0.2413	-0.5817	0.0655	0.4248	0.1120	0.1736	-0.0125
-0.3282	0.3776	0.5309	-0.1887	0.3843	0.5133	0.2138
-0.0077	0.8679	-0.0251	-0.1180	-0.3224	-0.8227	0.3815
1.0000	0	0	0	0	0	0
-0.2192	-0.5945	-0.6204	0.3274	-0.3951	-0.8783	-0.1138
-0.3101	-0.5779	0.2244	-0.7130	0.0532	-0.6550	-0.0705
-0.0304	-0.6930	1.0000	0	0	0	0
-0.2246	0.2609	-0.0909	-0.3808	0.0406	-0.0307	0.7507
0	0	0	0	0	0	0
-0.4246	0.1493	-0.1296	0.3551	0.6539	0.4943	-0.3019
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3100	0.6861	0.0249	0.1966	0.0320	0.8601	-0.0579
0	0	0	0	0	0	0
-0.0727	0.2642	0.5463	0.1190	0.6344	0.5801	-0.5012

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Columns 22 through 28

0.1364	-0.4829	-0.2846	0.1811	0.4478	-0.0835	0.7098
0	0	0	0	0	0	0
0.1600	0.4475	0.8007	0.2055	0.5378	-0.7410	0.5512
-0.4199	0.3360	0.1437	0.2548	0.1367	-0.2954	-0.3287
0.1988	-0.3995	-0.4302	0.0101	0.2282	0.0449	0.1797
-0.1113	-0.1017	-0.4600	0.0469	0.8146	0.0862	0.5133
1.0000	0	0	0	0	0	0
-0.3356	-0.2867	0.1163	0.1176	0.0952	-0.2022	0.0232
0	0	0	0	0	0	0
-0.5116	0.9934	0.6236	-0.6416	0.1853	0.0719	0.4002
0	0	0	0	0	0	0
-0.0890	0.1093	-0.0782	-0.2933	0.8904	0.2127	0.9296
0.0432	0.5848	0.2560	0.0117	-0.2389	0.0835	-0.1734
0.1227	0.2963	0.2985	-0.2965	-0.1848	0.7682	-0.4506
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.7438	-0.5956	0.2317	-0.0069	0.1065	-0.3974	0.2484
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.5341	-0.9450	-0.2331	0.5507	-0.4212	-0.5211	-0.4497
0	0	0	0	0	0	0
0.8593	-0.9839	-0.3466	0.3166	-0.5180	0.3435	-0.9730
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.3383	0.1916	-0.2586	-0.0502	0.4703	-0.0913	1.0000
-0.4289	1.0000	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.7704	-0.6996	-0.2370	1.0000	0	0	0
0	0	0	0	0	0	0
-0.4730	0.5759	-0.1818	-0.2689	-0.3147	0.0091	-0.0436
0	0	0	0	0	0	0
-0.0317	0.2449	0.2558	-0.0309	-0.2997	0.1682	-0.5427
-0.1833	0.7064	0.7133	-0.2864	0.2636	0.0473	0.1646
-0.0587	0.7819	0.1589	0.5232	1.0000	0	0
-0.0443	-0.4421	-0.7982	0.1044	0.6191	-0.5141	0.8136
0.2935	-0.9911	-0.4656	-0.0464	-0.7665	0.1803	-0.5574
0	0	0	0	0	0	0
0.1665	0.7787	1.0000	0	0	0	0
0.0458	-0.3105	-0.1483	-0.2838	-0.2261	0.2444	-0.3489
0	0	0	0	0	0	0
-0.6852	-0.0287	-0.6485	-0.8033	0.3584	1.0000	0
0	0	0	0	0	0	0
-0.0503	0.6654	0.3003	-0.6843	0.7831	0.1449	0.5054
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2127	0.0772	0.1838	0.0858	-0.1790	-0.2756	0.4904
0	0	0	0	0	0	0
0.4352	0.5575	0.3160	-0.1707	0.2452	-0.0318	0.2539

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Columns 29 through 35

-0.0199	0.1673	0.4095	-0.3850	-0.2597	-0.1523	-0.0868
0	0	0	0	0	0	0
-0.1769	0.0069	0.9234	0.0216	-0.4680	0.1925	-0.6491
0.3912	0.2003	-0.1505	0.2558	-0.0013	0.1200	-0.2271
-0.8377	-0.1777	-0.0126	0.2573	1.0000	0	0
-0.5756	-0.2923	0.1084	0.0431	0.2431	0.4635	-0.4868
0	0	0	0	0	0	0
-0.7124	-0.1035	0.2149	-0.1385	-0.7016	1.0000	0
0	0	0	0	0	0	0
0.1573	-0.3237	-0.1357	-0.3554	-0.5033	-0.1611	0.2522
0	0	0	0	0	0	0
-0.2594	-0.6242	0.1378	-0.3731	-0.3562	0.1668	0.8147
0.4689	0.0542	-0.0173	-0.1859	-0.0245	-0.2885	0.1515
-0.4227	-0.1714	-0.1476	-0.3732	0.1433	-0.4844	1.0000
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.4932	-0.4807	-0.1085	-0.3773	-0.7721	0.8193	-0.0545
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0451	1.0000	0	0	0	0	0
0	0	0	0	0	0	0
-0.3990	0.2122	-0.3903	-0.4729	0.7668	-0.5700	0.0758
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3167	0.5881	-0.1279	-0.1066	0.2826	-0.6271	-0.2806
-0.3550	-0.2249	0.6113	0.0636	-0.3768	0.1834	0.1861
0	0	0	0	0	0	0
-0.2435	0.0457	0.4974	0.4280	0.7615	-0.0174	-0.4309
0.2075	0.5949	-0.3461	-0.5679	-0.3191	0.0451	0.3339
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0210	0.2552	-0.5090	-0.3660	-0.5232	0.2426	0.1403
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0016	-0.5783	1.0000	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.7957	-0.0435	0.6211	1.0000	0	0	0
0	0	0	0	0	0	0
0.0857	-0.1721	-0.0326	0.0451	0.3083	-0.2346	-0.7312

Columns 36 through 42

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0.2971	-0.0648	0.3863	0.3847	0.1845	-0.0510	0.0891
0	0	0	0	0	0	0
-0.7410	0.7727	-0.1066	-0.1320	-0.3470	-0.0377	-0.3689
-0.3803	0.5100	-0.3819	-0.0465	-0.6911	1.0000	0
0	0	0	0	0	0	0
-0.1756	-0.0040	-0.0534	0.0961	-0.4157	-0.0808	-0.1791
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2631	0.5870	0.3696	-0.5956	0.8550	-0.6723	-0.4846
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
0.2611	-0.6267	0.1947	0.3048	0.4809	-0.4000	0.2856
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.8964	-0.9302	0.1051	0.9887	0.1178	0.8907	0.1367
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4512	-0.3275	0.2826	0.4991	1.0000	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.5998	1.0000	0	0	0	0	0
-0.4999	0.2938	-0.3799	-0.9584	0.0854	-0.4659	0.5543
0	0	0	0	0	0	0
-0.1794	0.0083	-0.2801	-0.2551	-0.8895	-0.0536	1.0000
0.7376	-0.4658	0.3001	1.0000	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0044	0.0505	-0.2829	-0.7151	-0.0603	-0.1403	0.8166
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3781	-0.2233	1.0000	0	0	0	0

Columns 43 through 49



1.0000

Columns 1 through 7

Columns 8 through 14

[illegible]

Columns 15 through 21

0.2738      0.1754      0.7099      0.1583      0.9484      0.2921      0.3932

[illegible]

0.8673	0.8890	0.4708	0.8108	0.8081	0.0461	0.3649
0.7334	0.6925	0.1257	0.5183	0.8089	0.5250	-0.0204



[illegible]

0.4704	0.7324	0.2334	0.8225	0.2235	0.0616	0.4293
0.2028	0.2256	0.8791	0.4325	-0.0270	0.8204	0.2066
0.2572	-0.0403	0.7769	0.7612	0.9443	0.9137	0.3223

[illegible]

Columns 36 through 42

0.7986	0.4458	0.9352	0.4370	0.2227	0.3653	0.6194
0.3893	-0.0841	0.1307	0.2135	0.4641	0.6399	-0.1252
0.7108	0.8851	0.4588	0.3203	0.1211	0.2729	0.4805
0.3918	-0.0934	0.6804	0.2280	0.8010	0.0510	0.4185

[illegible]

0.2973	0.6501	0.5812	0.3912	0.5693	0.2445	0.7911
0.5726	0.4423	-0.0903	0.7767	0.7849	0.2147	0.0980
0.9141	0.8302	0.0209	0.7992	0.8157	0.9641	0.3706
-0.0335	-0.1227	0.1709	-0.3608	0.5985	-0.0290	0.0533
0.4260	0.3787	0.1976	-0.2894	0.4584	-0.0793	-0.1716

-0.6670	-0.9650	-0.3946	-0.4690	-0.2779	0.4056	-0.4791
-0.3031	-0.5889	0.2409	-1.2132	-0.1004	0.9136	-0.6213
0.7834	0.6190	0.0781	0.7482	0.7988	0.0976	0.3679
0.5392	0.2060	0.3960	-0.1417	-0.1302	0.3078	0.2250
0.0603	0.5948	0.0851	-0.0987	0.0030	0.8928	0.1348
-0.2200	0.0120	0.0800	-0.5491	-0.5489	0.0718	0.2361
-1.0961	-1.2184	0.4761	-0.3673	-1.0323	0.1450	0.0814
0.6740	0.3949	1.1026	-0.4896	-0.3155	0.7208	0.3609
-0.3422	-0.4343	0.5043	0.3921	-1.0045	-0.3569	0.2399
-0.0617	-0.2746	-0.8934	0.2146	0.7911	-0.5170	0.1744
0.5451	0.0659	0.7352	-0.1138	0.1167	-0.6654	0.5657
0.7553	0.4580	-0.2802	-0.9910	0.2994	-0.3664	0.4070
0.0055	0.4684	0.2892	-0.4549	0.4269	-0.9759	0.4875
0.2066	0.5630	0.4392	-0.3069	-0.4825	-0.4512	1.3149
-1.5544	-1.3463	-0.1546	-0.6111	-0.9034	0.5319	-1.8332
-1.3000	-1.0295	-0.2977	-1.3440	-0.9787	0.4065	-1.9878
-0.7723	-1.0292	-0.2711	-0.6165	-0.2851	-0.1003	-1.4485
0.2385	0.5159	-1.2470	0.5349	-0.1395	0.5148	-0.7681
-0.9210	-1.5388	1.6360	-2.3104	-0.6598	0.7302	0.1890
0.5055	0.4498	0.6909	0.3520	-0.3664	0.2676	1.6600
-0.0006	-0.9382	1.1632	-0.7884	-0.5940	-0.5056	0.2925
0.3691	-0.7926	1.8583	-0.0457	-0.5144	-0.0463	1.7843
0.9281	0.4645	0.4815	0.6519	1.3830	-0.6827	1.5029
-1.0781	-1.6686	1.3926	-0.8668	-1.4933	1.1487	-0.4809
0.7246	-0.3996	1.0970	-0.5258	0.2267	0.2238	0.9105
1.2206	0.3568	-0.1655	0.0273	-0.0153	0.8019	0.4443
0.5347	1.1922	-0.7381	0.7008	0.3690	-1.6681	0.2792
-2.0481	-2.6390	0.8195	-0.7526	-1.8107	2.1164	-0.1941
-3.1014	-3.3647	1.4189	-1.3685	-2.6529	1.4063	-1.2962
0.2748	-0.3071	0.7408	-0.1740	-0.6630	-0.0621	1.0205
-1.0083	-0.8073	-0.2360	-0.8794	-1.2361	1.6527	-0.9464
-1.6274	-1.1606	0.4848	0.0494	-1.4477	0.5404	-0.4806
0.1721	0.3548	0.5052	0.5130	-0.2479	-0.9754	0.4495
-0.9585	-0.6080	-1.0553	0.7525	-0.5857	-0.8717	-0.1411
0.6799	0.3593	1.7240	1.0248	-0.1889	-0.1534	0.2494
1.9583	0.8600	1.4594	0.6174	1.1291	-0.0291	0.1283
0.7583	1.1481	2.2848	1.0469	-0.2864	-0.2394	0.1337
2.0307	0.7317	1.0547	-0.4211	0.7244	1.3204	-0.5974
0	-1.9432	-1.1654	-0.8124	0.1724	0.3974	-1.2877
0	0	-1.5526	1.3070	-0.1318	-0.7689	0.1561
0	0	0	1.6506	-1.0982	-0.3429	0.2440
0	0	0	0	1.3302	-1.0080	0.3969
0	0	0	0	0	1.3957	0.8034
0	0	0	0	0	0	-1.2612
0	0	0	0	0	0	0

Column 50

0.3820  
0.2258  
0.7558  
0.0656  
0.6047  
-0.4631

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```

0.1879
0.3636
0.7363
0.3570
-0.1376
-0.8449
0.1298
-0.7188
0.0020
-0.6398
0.0040
0.7629
-0.0860
0.2583
-0.0472
-0.2696
0.1322
-0.3371
-0.2021
0.0730
0.3251
0.5970
0.1025
1.3451
0.1288
0.4699
0.7199
1.2495
1.2812
-1.1429
0.2614
1.5250
0.5389
0.7263
1.0800
0.7505
0.7161
0.7267
0.4590
0.6719
-0.4752
0.1168
-0.1154
-0.3369

```

```
matrix dimension is 100
```

```
x =
```

```
Columns 1 through 7
```

```

0.2696    0.8900    0.2322    0.4800    0.8091    0.0074    0.2340
0.1449    0.0768    0.2905    0.0241    0.4951    0.5767    0.8030
0.2989    0.3157    0.2056    0.8769    0.9821    0.7627    0.9614
0.8577    0.9192    0.8432    0.6784    0.3927    0.3516    0.1631

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0.8577	0.2766	0.0953	0.8193	0.4988	0.8264	0.6488
0.1392	0.6237	0.1907	0.1959	0.3699	0.8029	0.6163
0.2936	0.4918	0.7631	0.4570	0.2540	0.1047	0.2184
0.8697	0.5064	0.2149	0.4490	0.3103	0.0641	0.9869
0.5377	0.3293	0.0469	0.2289	0.8080	0.2074	0.6915
0.1965	0.0155	0.1786	0.1109	0.3254	0.2632	0.6339
0.8437	0.6162	0.4371	0.5845	0.4917	0.4884	0.4264
0.3216	0.9830	0.7016	0.5788	0.9662	0.7676	0.8404
0.8851	0.6028	0.4367	0.7429	0.0076	0.9898	0.9570
0.5427	0.5111	0.3327	0.7727	0.2571	0.3529	0.9564
0.4728	0.4940	0.4860	0.5276	0.9061	0.3820	0.4930
0.0842	0.2100	0.0110	0.3581	0.4328	0.9712	0.7765
0.1048	0.6385	0.0539	0.3398	0.5290	0.4636	0.3513
0.8427	0.7377	0.3573	0.9018	0.2404	0.4970	0.8923
0.8871	0.2515	0.7690	0.6741	0.5354	0.1634	0.6343
0.4862	0.6547	0.6143	0.3258	0.4307	0.0589	0.5841
0.4842	0.5952	0.5839	0.8594	0.6651	0.4922	0.7337
0.0573	0.5391	0.7046	0.7035	0.6429	0.1648	0.3495
0.0608	0.0866	0.5102	0.9194	0.5704	0.7908	0.8405
0.1931	0.9890	0.5763	0.6078	0.7104	0.2513	0.0678
0.3562	0.0782	0.9656	0.3175	0.1756	0.1853	0.1433
0.9337	0.0885	0.1474	0.5085	0.0484	0.3070	0.3970
0.5783	0.0155	0.7754	0.8627	0.9934	0.8753	0.0679
0.0557	0.9542	0.6896	0.0078	0.8725	0.0929	0.7694
0.2529	0.5481	0.1182	0.5874	0.7497	0.6367	0.4031
0.7575	0.6060	0.7591	0.8488	0.8158	0.1595	0.4928
0.2458	0.0128	0.3335	0.1507	0.8430	0.0875	0.4331
0.9866	0.5491	0.6767	0.3354	0.8854	0.7619	0.6805
0.3547	0.5059	0.3977	0.2079	0.6844	0.5338	0.1497
0.9187	0.8031	0.1335	0.5064	0.4041	0.7081	0.6172
0.9598	0.5091	0.6166	0.8080	0.9606	0.1209	0.6469
0.9517	0.7579	0.7965	0.0227	0.7971	0.3791	0.9270
0.6037	0.9790	0.5886	0.9651	0.6810	0.5861	0.0659
0.2428	0.9133	0.5648	0.3465	0.9269	0.6213	0.9482
0.1839	0.3249	0.1809	0.5869	0.4282	0.2618	0.0484
0.1592	0.5495	0.5115	0.2939	0.4934	0.7529	0.1705
0.7454	0.8508	0.9647	0.1279	0.4523	0.9765	0.5315
0.4110	0.7238	0.5473	0.0017	0.0112	0.3568	0.1414
0.2231	0.7330	0.5544	0.1817	0.9420	0.8712	0.2556
0.6926	0.9414	0.1938	0.2709	0.7827	0.0816	0.8910
0.4486	0.6732	0.2695	0.1239	0.9615	0.8790	0.7198
0.6442	0.4884	0.9295	0.7382	0.5169	0.7562	0.3987
0.8174	0.3432	0.1030	0.8091	0.8568	0.4050	0.0405
0.8966	0.8683	0.1836	0.5339	0.6433	0.6144	0.9747
0.8861	0.3420	0.2431	0.9011	0.1594	0.6752	0.6845
0.3241	0.3505	0.7447	0.0933	0.5635	0.8575	0.4445
0.2029	0.2239	0.2439	0.0931	0.9455	0.7428	0.8121
0.0543	0.0679	0.4115	0.5976	0.9853	0.8519	0.9105
0.8554	0.9375	0.2647	0.7754	0.4085	0.4895	0.2036
0.8212	0.3001	0.4702	0.8556	0.9500	0.0925	0.5839
0.1132	0.9219	0.3843	0.8229	0.5962	0.4245	0.9574
0.9639	0.2215	0.2088	0.2947	0.3429	0.2501	0.2747
0.8020	0.4511	0.0774	0.6857	0.9731	0.6081	0.3548
0.0789	0.2299	0.9409	0.1253	0.4519	0.8586	0.9396

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0.7017	0.4758	0.5221	0.6523	0.2870	0.7059	0.5577
0.8001	0.2714	0.2802	0.2728	0.3934	0.6512	0.6306
0.3131	0.3537	0.4169	0.9567	0.9836	0.7852	0.8233
0.6260	0.3637	0.2646	0.4153	0.1216	0.4156	0.8949
0.1163	0.6571	0.5246	0.5827	0.3976	0.1124	0.3987
0.0824	0.2797	0.4058	0.7016	0.7184	0.8022	0.4574
0.2098	0.0600	0.5536	0.2877	0.7196	0.3442	0.4785
0.1539	0.3690	0.2707	0.1342	0.6828	0.7029	0.4001
0.8784	0.2625	0.7923	0.8617	0.5181	0.6495	0.8440
0.3945	0.4206	0.0319	0.3074	0.0780	0.0007	0.3408
0.6814	0.2000	0.6806	0.8404	0.5717	0.2618	0.4453
0.6556	0.7818	0.8726	0.5427	0.3804	0.2331	0.5064
0.2805	0.1331	0.9918	0.1594	0.7883	0.8280	0.3473
0.8277	0.3422	0.7968	0.3959	0.7348	0.5123	0.9829
0.8740	0.3139	0.6507	0.0720	0.0431	0.3769	0.6779
0.2891	0.8789	0.5351	0.1418	0.5720	0.6452	0.1894
0.4024	0.5484	0.2874	0.6250	0.3240	0.1647	0.2454
0.8137	0.0567	0.0984	0.0490	0.4187	0.5784	0.0971
0.0499	0.8127	0.5899	0.1047	0.1920	0.5712	0.6439
0.0966	0.6590	0.9143	0.2018	0.2003	0.4381	0.9731
0.3157	0.1172	0.3712	0.5553	0.4825	0.2671	0.6750
0.9033	0.2794	0.2841	0.5484	0.2394	0.6917	0.5468
0.5761	0.5307	0.2227	0.4138	0.1701	0.9752	0.5916
0.1707	0.7323	0.0531	0.3828	0.9337	0.9055	0.7026
0.0803	0.8264	0.8982	0.3046	0.6810	0.6732	0.1161
0.5469	0.2294	0.1994	0.9706	0.7585	0.5867	0.0970
0.8335	0.9226	0.7143	0.8327	0.4760	0.4202	0.6249
0.1425	0.3675	0.7314	0.7667	0.9437	0.5377	0.8858
0.9029	0.0380	0.2289	0.1734	0.6730	0.3767	0.1370
0.3917	0.6489	0.6884	0.0169	0.4763	0.1184	0.6548
0.1102	0.8178	0.7621	0.1735	0.1782	0.9698	0.8123
0.3031	0.4211	0.3501	0.4374	0.6672	0.7568	0.5500
0.9302	0.8050	0.2456	0.1324	0.4174	0.5623	0.4137
0.1012	0.2069	0.2232	0.7954	0.1303	0.9194	0.2781
0.7434	0.3112	0.2468	0.7249	0.6827	0.1542	0.6737
0.4269	0.8726	0.7309	0.0887	0.5602	0.3417	0.6074
0.2902	0.5867	0.8044	0.0726	0.8966	0.4794	0.6284
0.2687	0.7518	0.7768	0.0201	0.2632	0.2719	0.1487
0.9917	0.7550	0.1624	0.4619	0.5816	0.8730	0.0550
0.3149	0.0280	0.3472	0.1260	0.5730	0.4287	0.1267
0.2519	0.6422	0.0307	0.7502	0.0670	0.7508	0.4014
0.4448	0.6929	0.0350	0.6442	0.6760	0.8896	0.5233

Columns 8 through 14

0.1987	0.6588	0.1363	0.2749	0.6280	0.0793	0.8066
0.4659	0.5387	0.3114	0.2477	0.0239	0.0027	0.8202
0.7584	0.0391	0.2121	0.3038	0.0173	0.5420	0.3480
0.4114	0.2467	0.7313	0.7440	0.0532	0.6115	0.9971
0.8338	0.6416	0.8496	0.2238	0.7689	0.8620	0.2782
0.4560	0.1754	0.4989	0.5105	0.5895	0.3561	0.4842
0.9127	0.8558	0.6694	0.6152	0.4156	0.8472	0.7832
0.0973	0.4321	0.4301	0.2612	0.8173	0.4520	0.1607
0.9193	0.9512	0.2255	0.9106	0.8199	0.7562	0.8712

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0.6206	0.6132	0.2983	0.0766	0.4445	0.8308	0.7649
0.3280	0.6281	0.9948	0.4946	0.9814	0.4855	0.4940
0.2290	0.8603	0.8199	0.0290	0.5644	0.5645	0.6004
0.4829	0.9174	0.3132	0.5339	0.9385	0.2446	0.0633
0.0945	0.5519	0.9365	0.3684	0.3041	0.9245	0.2157
0.9210	0.8197	0.7021	0.1779	0.8458	0.4674	0.1677
0.4007	0.4570	0.8620	0.2430	0.5084	0.6451	0.0482
0.4439	0.9700	0.1106	0.5693	0.9824	0.9301	0.5412
0.0671	0.0059	0.2310	0.0662	0.3317	0.3479	0.9491
0.5357	0.0933	0.4752	0.2018	0.4182	0.3562	0.2914
0.5540	0.8940	0.9180	0.8390	0.8583	0.7582	0.4785
0.2607	0.8657	0.6009	0.7240	0.4840	0.1329	0.2518
0.9095	0.4051	0.2543	0.7619	0.9919	0.5574	0.3202
0.0121	0.3239	0.4432	0.3231	0.6113	0.3719	0.6133
0.7253	0.2331	0.1641	0.7191	0.3095	0.4491	0.7364
0.8565	0.2386	0.5891	0.2126	0.7157	0.4666	0.9914
0.5231	0.9566	0.5242	0.2951	0.1617	0.1798	0.0198
0.5926	0.6197	0.7461	0.3161	0.2099	0.3525	0.9069
0.4959	0.0572	0.1448	0.1939	0.1630	0.8324	0.7342
0.0609	0.7045	0.7976	0.2699	0.3198	0.0131	0.1688
0.6395	0.2654	0.1637	0.0621	0.6244	0.6505	0.9425
0.3206	0.1365	0.2190	0.4206	0.0623	0.9825	0.2382
0.9931	0.6479	0.0192	0.8477	0.2049	0.2688	0.9360
0.2374	0.4663	0.7548	0.3512	0.6509	0.6688	0.3404
0.6478	0.2423	0.4147	0.9254	0.2363	0.0998	0.2468
0.1823	0.9474	0.4014	0.6685	0.1679	0.7742	0.6186
0.3138	0.4753	0.8113	0.5651	0.2611	0.0072	0.9250
0.5447	0.4503	0.0349	0.1708	0.2625	0.6126	0.6369
0.3199	0.7794	0.6868	0.4900	0.7465	0.2760	0.9792
0.1031	0.4876	0.2539	0.9453	0.1246	0.4082	0.8021
0.7608	0.1211	0.3101	0.6806	0.4564	0.9839	0.4825
0.8585	0.8058	0.4840	0.8680	0.5902	0.8640	0.5866
0.2603	0.1886	0.8277	0.9738	0.8424	0.9350	0.8097
0.7130	0.4396	0.4353	0.4324	0.8664	0.3025	0.3848
0.4576	0.5074	0.3155	0.7860	0.7171	0.3989	0.6589
0.5158	0.5008	0.7050	0.5979	0.8470	0.5617	0.6100
0.3268	0.6252	0.5383	0.6545	0.1385	0.1209	0.5470
0.3973	0.9261	0.1314	0.0613	0.1342	0.2578	0.2025
0.5167	0.0086	0.7612	0.3562	0.2634	0.8547	0.5306
0.5360	0.9831	0.4116	0.4613	0.2571	0.1784	0.5799
0.9730	0.1978	0.7596	0.3387	0.1344	0.9461	0.2332
0.9915	0.3554	0.1608	0.0396	0.8635	0.8789	0.9986
0.8041	0.9857	0.6638	0.4008	0.5818	0.7015	0.3149
0.2352	0.4832	0.0986	0.8445	0.9411	0.4233	0.2027
0.9446	0.1680	0.7717	0.4565	0.4975	0.6223	0.2620
0.0366	0.9586	0.0225	0.8012	0.7129	0.9466	0.8163
0.4245	0.9767	0.2877	0.3776	0.0616	0.4444	0.8772
0.3947	0.3045	0.7059	0.5584	0.0453	0.9918	0.6395
0.5935	0.6663	0.8122	0.4029	0.9302	0.8381	0.9111
0.9414	0.1550	0.7212	0.7410	0.0063	0.4882	0.5648
0.5502	0.4290	0.8249	0.7917	0.3890	0.9162	0.5715
0.2602	0.5448	0.8889	0.6526	0.4681	0.1994	0.7367
0.6538	0.2211	0.3437	0.9859	0.2847	0.4869	0.1142
0.5428	0.9453	0.4728	0.9828	0.8531	0.6012	0.3498

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0.7610	0.4646	0.6730	0.4477	0.4562	0.5575	0.4866
0.6809	0.4678	0.1102	0.9803	0.2021	0.8729	0.1137
0.5139	0.0760	0.1373	0.8459	0.8341	0.7422	0.7351
0.4285	0.2890	0.8390	0.0356	0.0023	0.3251	0.5444
0.8449	0.8290	0.3939	0.4238	0.8530	0.0435	0.1294
0.7419	0.6003	0.8304	0.9580	0.4691	0.3544	0.0589
0.5253	0.3026	0.0215	0.8090	0.7302	0.7598	0.1048
0.1261	0.1392	0.9746	0.2995	0.5630	0.9668	0.0688
0.1087	0.3719	0.1061	0.2260	0.0300	0.7712	0.3602
0.4294	0.3808	0.7158	0.1786	0.8728	0.2857	0.4434
0.4578	0.9583	0.9565	0.3872	0.4384	0.3626	0.3308
0.8407	0.8819	0.8360	0.2455	0.7152	0.7355	0.1494
0.9023	0.2028	0.3980	0.4979	0.0663	0.2251	0.8743
0.6404	0.0879	0.7816	0.4073	0.9422	0.9063	0.5745
0.7783	0.4581	0.4715	0.7949	0.7835	0.0167	0.9949
0.1951	0.1222	0.3263	0.5636	0.9506	0.7807	0.2668
0.6837	0.8067	0.2384	0.6362	0.3733	0.6280	0.2296
0.7114	0.1437	0.1683	0.1297	0.5710	0.4760	0.5056
0.7573	0.2312	0.1405	0.4228	0.0194	0.0010	0.4459
0.7929	0.7069	0.5324	0.4124	0.4852	0.0735	0.5854
0.6725	0.7787	0.0071	0.2345	0.1990	0.4586	0.8384
0.1197	0.6882	0.0718	0.3350	0.3645	0.5922	0.3976
0.7126	0.1184	0.8520	0.6067	0.3642	0.4173	0.8004
0.3745	0.6667	0.6030	0.5001	0.5374	0.7024	0.2861
0.2306	0.5171	0.3958	0.8188	0.7674	0.6946	0.1408
0.7754	0.0500	0.7271	0.2379	0.8894	0.6175	0.7360
0.4428	0.9089	0.0321	0.3615	0.0231	0.4090	0.0608
0.7188	0.8919	0.5384	0.4612	0.5873	0.3609	0.6998
0.9720	0.1167	0.5327	0.7419	0.0163	0.0130	0.6001
0.8527	0.4247	0.0750	0.6640	0.0465	0.9652	0.0336
0.3053	0.6057	0.9850	0.1054	0.3810	0.1404	0.9319
0.9439	0.3803	0.0317	0.0991	0.6784	0.2199	0.9750
0.9412	0.2519	0.6720	0.6608	0.5183	0.3138	0.5107
0.4591	0.7745	0.4086	0.6810	0.9342	0.8900	0.1435
0.7828	0.9672	0.3555	0.6673	0.9565	0.1133	0.1631
0.4354	0.5372	0.2570	0.4623	0.8158	0.1601	0.1144
0.5430	0.7768	0.2936	0.9459	0.4134	0.0525	0.4526

Columns 15 through 21

0.5353	0.5378	0.8891	0.1055	0.3612	0.4369	0.6648
0.8201	0.7412	0.3320	0.3538	0.3290	0.0462	0.0218
0.8435	0.9873	0.9864	0.6681	0.6182	0.6265	0.3042
0.3026	0.1800	0.2511	0.4703	0.5090	0.0919	0.1237
0.8676	0.1076	0.0351	0.1873	0.5681	0.5759	0.5880
0.5063	0.5472	0.8691	0.0297	0.9067	0.6579	0.6135
0.5731	0.2053	0.6050	0.5243	0.6609	0.5192	0.7908
0.1339	0.5858	0.4803	0.3840	0.7862	0.0699	0.7116
0.9275	0.8714	0.3937	0.5525	0.2711	0.8755	0.9415
0.0071	0.6450	0.9603	0.9432	0.1823	0.3300	0.4820
0.2002	0.5336	0.0323	0.5588	0.8371	0.9520	0.5445
0.1738	0.2203	0.3778	0.1023	0.0492	0.9098	0.4696
0.9737	0.3004	0.7006	0.2233	0.1309	0.9568	0.6877
0.6148	0.3672	0.2099	0.7620	0.2981	0.2406	0.1673

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0.4853	0.8286	0.5337	0.0551	0.5665	0.2097	0.2902
0.5467	0.8257	0.3600	0.6481	0.4443	0.5029	0.5660
0.6980	0.5734	0.7132	0.1685	0.9261	0.5345	0.4006
0.1280	0.0093	0.0069	0.5156	0.9992	0.0458	0.1112
0.3590	0.4317	0.6396	0.2820	0.6014	0.0413	0.8491
0.2846	0.6497	0.1263	0.6496	0.8110	0.7633	0.4776
0.8864	0.0523	0.7745	0.3871	0.8151	0.4682	0.3835
0.1615	0.7142	0.5374	0.4111	0.0617	0.6799	0.2177
0.4110	0.5737	0.5932	0.0665	0.2061	0.5966	0.5753
0.7014	0.0980	0.1193	0.3796	0.3493	0.5288	0.4705
0.3910	0.5641	0.6118	0.5281	0.2109	0.9564	0.5057
0.8329	0.1541	0.4893	0.4534	0.2137	0.4041	0.5075
0.8585	0.4546	0.3787	0.5903	0.3292	0.8066	0.3235
0.6977	0.7261	0.0114	0.9671	0.2747	0.9980	0.1122
0.3139	0.3446	0.8597	0.0939	0.7325	0.6258	0.3144
0.8497	0.2975	0.8913	0.0582	0.7074	0.2503	0.0659
0.8720	0.0381	0.7544	0.8675	0.2868	0.8729	0.1386
0.2499	0.5415	0.7998	0.6957	0.0064	0.0565	0.2540
0.9398	0.2184	0.1336	0.8462	0.3076	0.1991	0.1460
0.0196	0.9706	0.2746	0.5998	0.3401	0.9286	0.8845
0.1376	0.0474	0.9370	0.7882	0.4439	0.4517	0.1141
0.1648	0.5156	0.9956	0.3605	0.1990	0.7826	0.9322
0.0021	0.0035	0.9517	0.8977	0.3694	0.2624	0.8407
0.5009	0.7714	0.4997	0.1275	0.7473	0.9888	0.4622
0.8742	0.1553	0.6302	0.5754	0.3190	0.6005	0.1920
0.2852	0.9161	0.0181	0.7210	0.9783	0.4200	0.2522
0.2729	0.3739	0.3722	0.7187	0.9598	0.9350	0.8205
0.4765	0.4901	0.0091	0.7111	0.8476	0.3662	0.4203
0.0972	0.8992	0.5467	0.7891	0.5888	0.5858	0.2941
0.6826	0.2514	0.4225	0.4913	0.1093	0.1788	0.8826
0.8830	0.5943	0.7790	0.3674	0.1934	0.5989	0.8690
0.9208	0.8173	0.7693	0.7857	0.4942	0.5582	0.8178
0.9634	0.1134	0.1483	0.0877	0.0891	0.5820	0.0429
0.8639	0.5357	0.1504	0.4194	0.9298	0.3491	0.6837
0.8974	0.8207	0.5364	0.9994	0.8678	0.1934	0.8350
0.4895	0.6416	0.5615	0.5806	0.6893	0.5476	0.2619
0.2310	0.5769	0.3121	0.7620	0.3201	0.7984	0.0710
0.3744	0.6780	0.2046	0.3733	0.2941	0.3688	0.6007
0.1848	0.9663	0.6192	0.5515	0.6010	0.4793	0.0339
0.3335	0.0545	0.4641	0.9067	0.2629	0.8898	0.5370
0.5226	0.9204	0.6153	0.9084	0.3079	0.8282	0.2231
0.7890	0.2983	0.0062	0.4525	0.2897	0.8703	0.6751
0.6032	0.5888	0.4842	0.0487	0.8980	0.9474	0.0190
0.0656	0.1956	0.3439	0.7487	0.9178	0.2805	0.8462
0.6774	0.6121	0.1229	0.5250	0.5171	0.0482	0.2162
0.0528	0.6364	0.4799	0.2275	0.4948	0.1590	0.7628
0.2568	0.2692	0.4365	0.7996	0.8805	0.1233	0.2372
0.9892	0.4541	0.6780	0.3240	0.6163	0.6899	0.0720
0.8078	0.7674	0.6618	0.8100	0.1449	0.0157	0.4302
0.2493	0.8128	0.1329	0.9985	0.1112	0.8021	0.5914
0.4078	0.1287	0.2256	0.8718	0.1475	0.2485	0.9709
0.1788	0.4322	0.1340	0.3284	0.9641	0.9100	0.6826
0.7094	0.9531	0.5367	0.6530	0.4907	0.2675	0.3999
0.8659	0.4549	0.0523	0.2531	0.6302	0.9525	0.0545

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0.3464	0.0844	0.2557	0.9289	0.3948	0.3520	0.6381
0.2959	0.6233	0.4457	0.4400	0.7913	0.7933	0.0934
0.2209	0.8213	0.2022	0.5165	0.6894	0.0942	0.3179
0.9149	0.6492	0.8866	0.1046	0.7102	0.6676	0.6066
0.3584	0.1458	0.5728	0.6998	0.1161	0.2696	0.4010
0.4911	0.3568	0.6078	0.6066	0.9358	0.8059	0.9347
0.2255	0.4778	0.5250	0.5243	0.3225	0.8857	0.9629
0.6970	0.5617	0.6430	0.6528	0.9767	0.0228	0.4851
0.8095	0.1820	0.2912	0.9893	0.5147	0.6669	0.9623
0.5563	0.7743	0.3251	0.7955	0.5122	0.7180	0.0726
0.2584	0.5696	0.7994	0.6443	0.1179	0.4312	0.1942
0.2299	0.9947	0.7819	0.8839	0.6423	0.1830	0.0016
0.2619	0.9914	0.6300	0.2151	0.3331	0.7645	0.8741
0.6194	0.9391	0.4490	0.4246	0.9841	0.1597	0.8604
0.0892	0.1139	0.0118	0.9699	0.9770	0.3959	0.0205
0.3138	0.4251	0.1223	0.6581	0.9473	0.8803	0.0074
0.2758	0.2117	0.7568	0.5978	0.0261	0.8963	0.3259
0.4733	0.8909	0.4415	0.3109	0.3636	0.4916	0.8027
0.0656	0.5368	0.7114	0.0082	0.0627	0.3497	0.5316
0.7813	0.1038	0.9582	0.9849	0.1542	0.3408	0.9590
0.2823	0.2527	0.2555	0.2184	0.9307	0.7804	0.1083
0.9353	0.8901	0.1109	0.7325	0.3354	0.9121	0.8210
0.9159	0.2584	0.3899	0.8014	0.3322	0.9063	0.6887
0.5754	0.8494	0.2494	0.6005	0.4804	0.3778	0.8126
0.9807	0.2319	0.2334	0.1490	0.6973	0.7535	0.7806
0.2613	0.7213	0.5213	0.1652	0.3495	0.4454	0.4404
0.3772	0.1536	0.3814	0.3503	0.2477	0.6945	0.7546
0.7823	0.0727	0.2810	0.7031	0.8542	0.7465	0.9102
0.9734	0.5769	0.5331	0.0040	0.8822	0.1511	0.1399
0.6606	0.3450	0.6376	0.1527	0.8687	0.6669	0.8223
0.0918	0.9353	0.2016	0.9528	0.1742	0.1423	0.3113
0.7806	0.0410	0.4626	0.9925	0.2218	0.6731	0.2716

Columns 22 through 28

0.8259	0.5699	0.0518	0.4151	0.5152	0.6096	0.7074
0.2363	0.5030	0.7109	0.0065	0.1752	0.2498	0.5306
0.2110	0.0512	0.8681	0.9459	0.7629	0.9588	0.3779
0.7988	0.9128	0.7420	0.8307	0.5957	0.9548	0.4923
0.3052	0.2780	0.9674	0.8696	0.8958	0.6618	0.3315
0.3765	0.6914	0.9414	0.8621	0.8213	0.4089	0.6409
0.0198	0.0494	0.1722	0.5213	0.6685	0.0940	0.9265
0.5947	0.3242	0.7109	0.6553	0.6215	0.1046	0.6404
0.5251	0.0206	0.5884	0.1214	0.9887	0.9612	0.6229
0.0186	0.1095	0.3700	0.7112	0.5785	0.9269	0.7321
0.3857	0.2148	0.5047	0.7834	0.4899	0.8500	0.5839
0.3457	0.9259	0.8323	0.4893	0.6620	0.0147	0.8873
0.1169	0.6871	0.2202	0.8914	0.8094	0.4850	0.6465
0.5223	0.3659	0.9569	0.1553	0.1473	0.5633	0.2623
0.8855	0.9933	0.6402	0.7588	0.1064	0.7112	0.1143
0.9725	0.0643	0.5761	0.1928	0.9813	0.3117	0.9214
0.7315	0.5125	0.4440	0.6915	0.8260	0.6429	0.0313
0.5300	0.8051	0.5996	0.9658	0.7227	0.4220	0.3553
0.9998	0.7302	0.3079	0.0711	0.1808	0.6322	0.5633

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0.3459	0.5975	0.8703	0.9059	0.0715	0.2418	0.4699
0.3653	0.1126	0.3345	0.0872	0.0851	0.7634	0.5228
0.0110	0.5466	0.3118	0.5073	0.7908	0.4801	0.4578
0.0076	0.8882	0.7590	0.3540	0.3085	0.3425	0.7274
0.2084	0.2552	0.2591	0.2314	0.6631	0.1325	0.6710
0.7619	0.3956	0.1305	0.7711	0.7952	0.6323	0.9937
0.7927	0.2546	0.5780	0.5616	0.6173	0.4579	0.9702
0.3418	0.4217	0.1333	0.2905	0.5624	0.0342	0.4573
0.0571	0.6704	0.5311	0.0906	0.8353	0.5121	0.0763
0.1960	0.9231	0.5420	0.5243	0.4553	0.0026	0.8822
0.5838	0.1788	0.2662	0.3431	0.1796	0.0166	0.2072
0.9246	0.8982	0.5862	0.7597	0.0103	0.5936	0.9633
0.3701	0.6857	0.2348	0.0791	0.9089	0.7110	0.9248
0.2473	0.7212	0.2810	0.5379	0.6597	0.2331	0.3912
0.1339	0.3913	0.5660	0.6837	0.3731	0.7693	0.0305
0.8837	0.8242	0.4504	0.7603	0.6189	0.2425	0.6540
0.4822	0.6231	0.8445	0.4253	0.1628	0.6680	0.7923
0.3408	0.8316	0.0369	0.2477	0.1405	0.1445	0.9563
0.3232	0.0848	0.1956	0.1917	0.1320	0.5273	0.5555
0.7133	0.0259	0.0213	0.3189	0.9593	0.2101	0.6546
0.3901	0.0107	0.5626	0.3985	0.6109	0.5074	0.2231
0.3311	0.8060	0.0538	0.3341	0.3202	0.5035	0.5010
0.5077	0.0970	0.3362	0.2553	0.2865	0.5286	0.6269
0.0332	0.3349	0.4585	0.5877	0.1011	0.8145	0.3474
0.7821	0.4110	0.8752	0.6497	0.7045	0.7782	0.5833
0.7080	0.9917	0.6896	0.4741	0.8652	0.6040	0.1543
0.7779	0.9817	0.2318	0.3011	0.0104	0.9316	0.0795
0.2544	0.2188	0.4887	0.6229	0.6759	0.6547	0.5874
0.3068	0.3700	0.6569	0.8910	0.1710	0.0894	0.3626
0.8180	0.1919	0.2066	0.8743	0.5694	0.0731	0.2130
0.1372	0.1789	0.9787	0.8313	0.7575	0.7934	0.0700
0.6976	0.6180	0.9213	0.7863	0.1595	0.4241	0.4772
0.9399	0.9433	0.1161	0.5306	0.4992	0.2358	0.7247
0.3960	0.1592	0.9388	0.0102	0.0693	0.7534	0.2482
0.3762	0.8466	0.4133	0.3947	0.1238	0.5641	0.1878
0.0560	0.7407	0.2370	0.8796	0.6593	0.6610	0.0519
0.1281	0.3844	0.0264	0.0179	0.4850	0.1436	0.4362
0.1020	0.2606	0.6101	0.1120	0.4971	0.6214	0.2300
0.7564	0.7842	0.9170	0.1913	0.3592	0.5437	0.4398
0.8660	0.3240	0.6459	0.6413	0.1490	0.9337	0.7450
0.9966	0.3788	0.6268	0.4775	0.7006	0.0002	0.2147
0.0985	0.9517	0.2203	0.2248	0.0130	0.0836	0.6125
0.1726	0.4397	0.5523	0.5267	0.1698	0.6501	0.3323
0.4845	0.4952	0.4699	0.6814	0.1661	0.4584	0.1094
0.9373	0.0586	0.5851	0.7442	0.9259	0.3507	0.8172
0.5096	0.3091	0.5271	0.8183	0.7083	0.4951	0.0714
0.2163	0.1280	0.7452	0.9204	0.1602	0.2425	0.6253
0.0515	0.0197	0.6185	0.8579	0.3212	0.3049	0.7772
0.6500	0.1348	0.5747	0.5252	0.6908	0.0812	0.0129
0.4030	0.3002	0.3254	0.1758	0.4520	0.9017	0.2506
0.2208	0.2327	0.5797	0.5456	0.0248	0.5676	0.9773
0.0480	0.6466	0.0475	0.8943	0.3394	0.1305	0.6729
0.4665	0.3784	0.1495	0.5497	0.7834	0.4984	0.3030
0.5704	0.7453	0.5468	0.3158	0.4139	0.4857	0.5721

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0.7295	0.1742	0.8652	0.5668	0.7435	0.4277	0.2536
0.9704	0.8085	0.1682	0.4931	0.4274	0.3974	0.0566
0.5027	0.0169	0.4363	0.2259	0.6846	0.4479	0.1899
0.3737	0.5948	0.2056	0.9972	0.9054	0.7536	0.3906
0.7550	0.3001	0.7007	0.9917	0.7771	0.4474	0.9222
0.4273	0.1603	0.2526	0.8308	0.4617	0.0017	0.2057
0.6189	0.0182	0.0843	0.7715	0.4391	0.2503	0.0587
0.8345	0.8243	0.0929	0.8073	0.0046	0.4881	0.3672
0.1011	0.7179	0.9878	0.6373	0.8575	0.6241	0.8372
0.5049	0.7698	0.9825	0.1415	0.4307	0.2786	0.9896
0.8152	0.9769	0.8840	0.9114	0.7119	0.3291	0.2007
0.3801	0.3088	0.7608	0.2697	0.3600	0.1130	0.7198
0.1354	0.2746	0.1185	0.9921	0.7814	0.7690	0.9858
0.7268	0.8841	0.9081	0.4588	0.6050	0.4707	0.9729
0.0986	0.4138	0.4380	0.6356	0.5420	0.6044	0.0869
0.7605	0.4776	0.8266	0.6605	0.6171	0.5516	0.0732
0.7035	0.7290	0.0900	0.0541	0.1375	0.6898	0.4708
0.8779	0.1509	0.2962	0.0429	0.6818	0.5193	0.6702
0.8461	0.4175	0.3410	0.2774	0.4833	0.1447	0.1157
0.3278	0.2345	0.2579	0.0742	0.7345	0.3762	0.0274
0.1012	0.1713	0.7655	0.6322	0.3756	0.2045	0.1823
0.6930	0.9338	0.5158	0.3474	0.4957	0.0311	0.8394
0.0849	0.5755	0.2811	0.5640	0.7243	0.2255	0.1750
0.5104	0.3089	0.4693	0.0033	0.9876	0.2455	0.3312
0.4374	0.1234	0.6981	0.0749	0.8321	0.1792	0.3979
0.2825	0.6980	0.3787	0.7508	0.9964	0.8264	0.6676
0.6980	0.9596	0.6818	0.0504	0.9723	0.6020	0.4285

Columns 29 through 35

0.5930	0.1839	0.6692	0.2958	0.5989	0.6639	0.1637
0.1945	0.0488	0.5439	0.5518	0.1293	0.5721	0.5400
0.3737	0.5280	0.3163	0.9188	0.0910	0.1430	0.7567
0.3928	0.6577	0.8478	0.6321	0.6720	0.0791	0.2787
0.5103	0.3300	0.3900	0.1128	0.4301	0.5041	0.8150
0.8199	0.1683	0.2181	0.1708	0.2560	0.5288	0.7472
0.0864	0.1655	0.0876	0.1704	0.3955	0.7537	0.4581
0.2049	0.0459	0.1213	0.7963	0.3095	0.7413	0.5002
0.7589	0.2291	0.2723	0.2690	0.3376	0.1773	0.1627
0.8766	0.5768	0.8305	0.0744	0.5202	0.3005	0.9682
0.8870	0.4056	0.6615	0.8340	0.2299	0.2894	0.0925
0.9452	0.1633	0.9413	0.1253	0.9957	0.7848	0.9160
0.8021	0.3690	0.9497	0.8287	0.0609	0.2411	0.1100
0.8799	0.6022	0.4331	0.5866	0.3538	0.5476	0.7663
0.1456	0.9629	0.5150	0.4985	0.2827	0.2180	0.4897
0.9701	0.9912	0.0573	0.1023	0.4351	0.6649	0.9491
0.4240	0.0699	0.8701	0.1049	0.3511	0.7732	0.4201
0.1601	0.2318	0.3219	0.4853	0.8263	0.9546	0.2067
0.1510	0.2756	0.4941	0.8699	0.5019	0.7917	0.6549
0.5523	0.8099	0.6021	0.0940	0.3441	0.3523	0.8171
0.1878	0.9758	0.5960	0.6914	0.8925	0.6468	0.8408
0.2979	0.0001	0.3033	0.1308	0.4906	0.0617	0.2757
0.7303	0.4724	0.7165	0.7048	0.9694	0.0975	0.0410
0.9610	0.4750	0.7782	0.4620	0.7122	0.6868	0.4485

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0.6316	0.1293	0.9899	0.5120	0.8817	0.9173	0.9725
0.2105	0.3665	0.4852	0.8815	0.5870	0.4022	0.7168
0.1319	0.4846	0.5327	0.0375	0.4157	0.1800	0.4916
0.0367	0.8037	0.6795	0.8565	0.6330	0.0675	0.5447
0.3506	0.6825	0.0835	0.3848	0.4234	0.0700	0.2882
0.1851	0.0210	0.1081	0.1321	0.2999	0.9042	0.1658
0.0264	0.1333	0.4258	0.6654	0.7674	0.4263	0.6567
0.6636	0.6373	0.3160	0.2740	0.8311	0.4155	0.5065
0.4907	0.4151	0.8586	0.4173	0.8190	0.5412	0.9545
0.8344	0.0745	0.5201	0.4253	0.2740	0.8136	0.6303
0.0609	0.8659	0.6014	0.8053	0.8069	0.4922	0.8836
0.3381	0.3532	0.2039	0.7122	0.4439	0.3980	0.8480
0.4097	0.8656	0.7617	0.1267	0.4234	0.3442	0.3528
0.3138	0.3317	0.2571	0.7654	0.7374	0.8995	0.7572
0.5614	0.6954	0.6877	0.5249	0.9713	0.2707	0.4243
0.4545	0.6453	0.6333	0.7426	0.7120	0.7067	0.8909
0.7532	0.5619	0.5382	0.3500	0.4869	0.4616	0.2257
0.6916	0.9269	0.7366	0.9965	0.8647	0.6089	0.5755
0.7171	0.5891	0.9204	0.5223	0.2115	0.9128	0.1380
0.4830	0.4117	0.8987	0.7800	0.7124	0.6525	0.1005
0.4686	0.5216	0.7008	0.0284	0.3438	0.6551	0.4410
0.5016	0.8782	0.7328	0.2426	0.1545	0.9530	0.6800
0.3808	0.4612	0.7205	0.7147	0.7004	0.9951	0.4103
0.9108	0.4354	0.6651	0.4360	0.9240	0.6516	0.3244
0.6469	0.5939	0.3237	0.4911	0.7784	0.7047	0.9762
0.8482	0.0750	0.5144	0.1861	0.9001	0.2186	0.6688
0.6430	0.0358	0.4358	0.2426	0.3556	0.1906	0.2523
0.1529	0.2941	0.0624	0.0694	0.0368	0.2846	0.6681
0.1157	0.7569	0.7501	0.9204	0.8567	0.6454	0.2041
0.3131	0.7680	0.0774	0.2806	0.3401	0.6140	0.4384
0.3351	0.0896	0.1612	0.9922	0.7384	0.8719	0.8449
0.7266	0.3054	0.8134	0.9051	0.4575	0.2797	0.0079
0.7509	0.2048	0.8419	0.6647	0.1484	0.2331	0.5937
0.4520	0.0119	0.2318	0.6087	0.7769	0.2611	0.9382
0.7400	0.6474	0.1296	0.5736	0.3157	0.5733	0.2870
0.8187	0.7061	0.0851	0.2386	0.1092	0.9372	0.8305
0.9609	0.7801	0.2031	0.3101	0.9848	0.9388	0.1368
0.6281	0.8474	0.3151	0.4390	0.3211	0.1554	0.7945
0.0484	0.6751	0.0254	0.4694	0.9859	0.1581	0.1614
0.1076	0.6858	0.7689	0.5379	0.1867	0.2398	0.0342
0.7664	0.8146	0.2705	0.8760	0.2999	0.7991	0.2550
0.3119	0.0034	0.2938	0.4586	0.9715	0.5088	0.7588
0.8965	0.8804	0.2810	0.6521	0.8929	0.9759	0.9162
0.8251	0.4475	0.5550	0.9969	0.6628	0.0945	0.2997
0.1984	0.8205	0.4853	0.0815	0.6538	0.3283	0.0206
0.8793	0.8284	0.7487	0.4103	0.3544	0.9957	0.6857
0.2471	0.8721	0.9571	0.5793	0.6961	0.4946	0.9756
0.8102	0.2751	0.1198	0.7785	0.5212	0.4624	0.2531
0.9290	0.0891	0.7942	0.3149	0.2521	0.4572	0.3751
0.1700	0.0044	0.0378	0.3247	0.3518	0.9843	0.7581
0.3769	0.9343	0.9800	0.1836	0.1801	0.3391	0.3859
0.6490	0.7315	0.5078	0.1406	0.6872	0.6804	0.3608
0.4750	0.8212	0.1673	0.1758	0.1881	0.3711	0.7904
0.1076	0.1413	0.0497	0.2377	0.8692	0.7876	0.7592

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0.6918	0.7015	0.2683	0.2511	0.3550	0.0524	0.0699
0.2818	0.6982	0.0532	0.7092	0.7264	0.1109	0.2919
0.6586	0.3723	0.7925	0.5352	0.8441	0.7470	0.8467
0.8332	0.5690	0.1914	0.8016	0.8627	0.3229	0.0239
0.6110	0.3715	0.4049	0.4345	0.9556	0.4887	0.7510
0.0654	0.6195	0.0979	0.3577	0.8756	0.0833	0.6471
0.5675	0.6953	0.7980	0.2119	0.4036	0.4000	0.6279
0.9547	0.3702	0.3503	0.8893	0.2297	0.1730	0.2069
0.3405	0.3792	0.9075	0.0446	0.4719	0.3238	0.7711
0.8224	0.3492	0.1953	0.3228	0.4504	0.3871	0.3355
0.0769	0.7691	0.5534	0.1468	0.4791	0.7710	0.9937
0.5628	0.1098	0.1613	0.6019	0.1769	0.4372	0.1816
0.9493	0.6672	0.2127	0.9241	0.3803	0.6910	0.5628
0.5002	0.9071	0.6575	0.4068	0.3672	0.9917	0.1243
0.3447	0.7969	0.9619	0.9705	0.4263	0.1062	0.5756
0.5045	0.2074	0.7488	0.4169	0.2356	0.4873	0.6876
0.5313	0.5638	0.9831	0.9566	0.6288	0.8115	0.1346
0.9282	0.5996	0.6113	0.4539	0.0785	0.0703	0.5207
0.2430	0.5411	0.5840	0.0788	0.8715	0.6292	0.5977
0.6524	0.3375	0.7915	0.7204	0.2807	0.8849	0.1447
0.5835	0.1493	0.3776	0.1976	0.4974	0.8347	0.9166
0.2436	0.2652	0.7862	0.7369	0.1132	0.3520	0.6240

Columns 36 through 42

0.7486	0.1207	0.0362	0.8836	0.6874	0.7055	0.9208
0.7773	0.6917	0.9721	0.4697	0.6858	0.4248	0.9246
0.4510	0.8899	0.4640	0.5407	0.5085	0.1423	0.4291
0.0603	0.1540	0.5910	0.1159	0.0231	0.5322	0.4097
0.3285	0.4440	0.7206	0.8127	0.7100	0.9176	0.9959
0.0288	0.9907	0.0117	0.4727	0.0976	0.1084	0.9627
0.5631	0.5592	0.8303	0.6265	0.2216	0.2274	0.8197
0.3079	0.5228	0.6274	0.5733	0.5339	0.9119	0.6586
0.4456	0.7790	0.9968	0.5384	0.6194	0.0270	0.0149
0.5126	0.8862	0.0556	0.6116	0.4333	0.6985	0.3852
0.8868	0.1085	0.3223	0.1582	0.5421	0.1712	0.3954
0.1109	0.6359	0.9851	0.7905	0.9100	0.5842	0.0858
0.7046	0.3339	0.7790	0.1459	0.0740	0.8641	0.9966
0.1720	0.2172	0.7208	0.6193	0.1787	0.8322	0.4020
0.2778	0.0025	0.7360	0.3232	0.7765	0.3762	0.4284
0.7176	0.0066	0.1074	0.6952	0.6358	0.6211	0.9060
0.1638	0.5173	0.8753	0.6116	0.1421	0.2960	0.9686
0.6947	0.3505	0.8676	0.3586	0.6261	0.4811	0.7286
0.2178	0.2589	0.0613	0.1562	0.0936	0.5174	0.5145
0.5436	0.8274	0.7753	0.2577	0.7752	0.1594	0.5058
0.9978	0.2734	0.1009	0.4686	0.7914	0.4871	0.8534
0.2719	0.7684	0.7712	0.2323	0.2786	0.8419	0.4114
0.9755	0.0916	0.7809	0.0558	0.5744	0.6637	0.5715
0.7177	0.7051	0.0332	0.5239	0.9266	0.3954	0.2527
0.7626	0.8558	0.4034	0.9198	0.3412	0.1353	0.0491
0.3414	0.4151	0.1959	0.4556	0.5688	0.3996	0.3889
0.3999	0.9851	0.5967	0.4693	0.7447	0.2111	0.6139
0.8587	0.5669	0.6562	0.3897	0.8142	0.3172	0.8650
0.1030	0.3954	0.5006	0.9844	0.9054	0.8331	0.5555

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0.4165	0.6838	0.2554	0.0598	0.8839	0.5423	0.2464
0.7898	0.1992	0.2307	0.7871	0.7940	0.1597	0.6310
0.5208	0.1821	0.2491	0.3821	0.9646	0.1331	0.5023
0.1525	0.8117	0.4264	0.6071	0.9627	0.7550	0.1345
0.1622	0.6947	0.2988	0.5498	0.2899	0.6354	0.2153
0.3186	0.0818	0.0789	0.5361	0.8827	0.6991	0.1907
0.3436	0.6630	0.1987	0.3103	0.1400	0.9729	0.5594
0.4093	0.5108	0.1765	0.8906	0.7859	0.4135	0.7580
0.3852	0.1684	0.0818	0.1932	0.0626	0.2348	0.6623
0.5172	0.0520	0.6405	0.2029	0.0002	0.1607	0.7108
0.9329	0.3977	0.2273	0.7341	0.3061	0.1369	0.5452
0.0314	0.0724	0.9489	0.1570	0.2353	0.1276	0.5602
0.5418	0.5848	0.1483	0.7790	0.4643	0.6041	0.3255
0.5064	0.0830	0.4007	0.0319	0.2701	0.9652	0.9663
0.3928	0.6918	0.4096	0.4221	0.0640	0.1771	0.1134
0.0093	0.1088	0.5946	0.1542	0.8307	0.0571	0.6698
0.9803	0.0789	0.4233	0.5077	0.8936	0.6991	0.8818
0.8980	0.9460	0.9033	0.1753	0.0871	0.1146	0.7377
0.7294	0.4853	0.0090	0.4016	0.7744	0.2644	0.9381
0.4151	0.0285	0.6758	0.9362	0.8043	0.0149	0.4661
0.0454	0.6251	0.9387	0.2914	0.9456	0.0842	0.2786
0.8524	0.2463	0.6357	0.1439	0.1696	0.3842	0.4785
0.8029	0.3843	0.5740	0.9133	0.9096	0.8850	0.8856
0.5188	0.2984	0.5097	0.9245	0.8919	0.9332	0.7450
0.2153	0.1434	0.3834	0.1767	0.7074	0.1859	0.3397
0.9510	0.1310	0.8686	0.0379	0.4513	0.5026	0.0632
0.1386	0.0673	0.6143	0.3842	0.0007	0.1339	0.6376
0.6438	0.8025	0.7011	0.7610	0.0477	0.3394	0.9370
0.4062	0.4562	0.9550	0.5091	0.2134	0.5833	0.7708
0.0249	0.6012	0.2283	0.4986	0.4759	0.2125	0.8978
0.5475	0.3334	0.7276	0.6596	0.0480	0.3634	0.7067
0.2899	0.2158	0.1990	0.1566	0.6967	0.8095	0.1040
0.9420	0.5618	0.4415	0.7077	0.8033	0.0373	0.3281
0.7601	0.8754	0.3390	0.5662	0.4692	0.9748	0.5650
0.0246	0.4600	0.6690	0.8344	0.3980	0.8235	0.2254
0.1577	0.8283	0.9824	0.7939	0.5962	0.3015	0.5483
0.5811	0.6128	0.6697	0.0251	0.6098	0.5753	0.1736
0.5863	0.7067	0.1403	0.4474	0.1413	0.4908	0.6981
0.7740	0.1226	0.4608	0.2963	0.7679	0.4029	0.8066
0.2408	0.2996	0.0227	0.0424	0.7919	0.0023	0.1505
0.5251	0.6824	0.3649	0.8070	0.0381	0.3247	0.6898
0.5540	0.7528	0.3331	0.6786	0.7524	0.3610	0.6942
0.3379	0.5457	0.9271	0.4720	0.3851	0.7082	0.4220
0.8855	0.7225	0.3182	0.2220	0.4180	0.9415	0.2992
0.1881	0.4629	0.6346	0.2996	0.3653	0.2499	0.1457
0.5903	0.0437	0.7300	0.5370	0.3184	0.5828	0.4718
0.1353	0.0505	0.2101	0.2541	0.4497	0.7619	0.3018
0.7291	0.6620	0.3841	0.2530	0.0085	0.9656	0.6306
0.2579	0.8636	0.1173	0.7521	0.3958	0.7413	0.0546
0.5986	0.4914	0.1290	0.2591	0.5142	0.0049	0.0146
0.0477	0.4268	0.6839	0.0117	0.8258	0.2763	0.9116
0.1070	0.7923	0.7113	0.4584	0.2484	0.1184	0.3084
0.1913	0.3907	0.4046	0.2240	0.0080	0.1326	0.4465
0.5473	0.4759	0.0065	0.8570	0.2790	0.3812	0.3917

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0.5391	0.1664	0.3472	0.6429	0.0491	0.7210	0.2388
0.4927	0.5568	0.5739	0.1379	0.0713	0.5745	0.9118
0.1488	0.0507	0.5325	0.7900	0.0902	0.9144	0.7092
0.3239	0.6813	0.2282	0.5695	0.6191	0.6682	0.1308
0.0391	0.9421	0.9802	0.1222	0.6778	0.4359	0.7401
0.0699	0.6623	0.2399	0.5814	0.3056	0.9882	0.8427
0.0348	0.1152	0.4665	0.2840	0.9225	0.2333	0.0094
0.5635	0.1546	0.6336	0.9296	0.0111	0.2267	0.8918
0.5325	0.2936	0.9946	0.3711	0.1760	0.4188	0.6737
0.5867	0.9268	0.8388	0.0311	0.8010	0.1961	0.8805
0.2465	0.8080	0.4996	0.9098	0.8522	0.1381	0.5589
0.7529	0.5752	0.1978	0.1663	0.8126	0.2573	0.7527
0.7740	0.5636	0.0397	0.4203	0.8283	0.2868	0.1967
0.5455	0.5529	0.5762	0.3513	0.9823	0.4120	0.9564
0.8387	0.9398	0.2334	0.5094	0.3109	0.2050	0.0215
0.2107	0.6585	0.4320	0.0286	0.2296	0.3395	0.0860
0.4268	0.3231	0.0792	0.2212	0.4914	0.5034	0.5630

Columns 43 through 49

0.0281	0.4625	0.9814	0.5891	0.8446	0.5328	0.6689
0.5876	0.1275	0.8996	0.7453	0.3523	0.0105	0.0742
0.8723	0.6105	0.8457	0.3197	0.9619	0.9015	0.5852
0.8999	0.6174	0.6492	0.7304	0.1725	0.0653	0.4875
0.5999	0.5350	0.6838	0.6308	0.3893	0.3066	0.2239
0.9077	0.9449	0.4617	0.9006	0.8078	0.9063	0.9123
0.7388	0.4965	0.8312	0.4153	0.3078	0.0399	0.0262
0.6887	0.7403	0.6201	0.2865	0.0791	0.6861	0.4025
0.7553	0.7449	0.8825	0.9430	0.8375	0.2686	0.9051
0.7895	0.9989	0.0629	0.3272	0.6530	0.1762	0.1510
0.8123	0.4865	0.6573	0.9972	0.9486	0.7107	0.3332
0.6549	0.4006	0.9654	0.9723	0.2170	0.3901	0.4385
0.5538	0.1128	0.0844	0.7571	0.5960	0.3939	0.0244
0.5122	0.0538	0.1624	0.1562	0.0791	0.5494	0.2059
0.5291	0.3574	0.6512	0.8124	0.8313	0.4920	0.9799
0.0010	0.6302	0.2409	0.9782	0.7383	0.5777	0.1119
0.3175	0.5434	0.7538	0.4008	0.3609	0.4800	0.5438
0.3788	0.0765	0.2827	0.1105	0.1628	0.1275	0.5586
0.8825	0.9465	0.4096	0.5507	0.8589	0.8156	0.5653
0.9634	0.0093	0.4775	0.6375	0.0313	0.0310	0.9047
0.2558	0.6363	0.0174	0.7911	0.4899	0.2374	0.3649
0.9061	0.9347	0.6916	0.0584	0.2170	0.2492	0.9265
0.3723	0.5112	0.5707	0.3683	0.2631	0.8971	0.4172
0.3996	0.7707	0.9305	0.8845	0.0539	0.4992	0.7567
0.8978	0.5483	0.3071	0.6910	0.0156	0.3528	0.9880
0.9376	0.2344	0.0317	0.5691	0.7548	0.9188	0.4315
0.9145	0.3675	0.5478	0.9394	0.6231	0.4923	0.5976
0.1825	0.4017	0.5209	0.3062	0.5333	0.5010	0.1315
0.1459	0.7696	0.7868	0.7992	0.8239	0.4886	0.9766
0.8592	0.2078	0.6660	0.3921	0.2576	0.6814	0.9194
0.4354	0.2587	0.9863	0.9451	0.7977	0.2290	0.0133
0.9742	0.9113	0.6916	0.2579	0.6981	0.5902	0.6255
0.8409	0.6671	0.5500	0.5686	0.0104	0.5297	0.9595
0.3942	0.7675	0.6292	0.8739	0.9507	0.5489	0.8977

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0.2532	0.1435	0.9704	0.6812	0.3995	0.5142	0.7802
0.4478	0.5195	0.1252	0.2494	0.0399	0.6207	0.4272
0.4063	0.2309	0.3194	0.5887	0.4185	0.6948	0.7144
0.8950	0.3725	0.3627	0.3747	0.3627	0.8794	0.0752
0.2541	0.9352	0.7171	0.9914	0.6683	0.4055	0.5980
0.2502	0.5981	0.7981	0.7128	0.5387	0.6069	0.6319
0.6994	0.1596	0.2460	0.0586	0.9099	0.2431	0.3820
0.4809	0.4511	0.2544	0.4480	0.8227	0.5050	0.4984
0.1051	0.3192	0.9730	0.7496	0.1606	0.8565	0.3989
0.4821	0.3492	0.9707	0.0956	0.3035	0.0574	0.0013
0.8536	0.7718	0.1151	0.2882	0.1578	0.6885	0.7435
0.4594	0.6868	0.9736	0.4527	0.3591	0.2478	0.3710
0.9661	0.2217	0.8169	0.8762	0.0593	0.1255	0.6919
0.2515	0.9747	0.6088	0.8415	0.7578	0.1007	0.1535
0.9653	0.2028	0.2822	0.5760	0.9967	0.5711	0.1099
0.5128	0.4369	0.7313	0.7808	0.6997	0.7109	0.0516
0.8969	0.4626	0.0319	0.6230	0.3141	0.5626	0.5305
0.7757	0.0679	0.7475	0.3427	0.3409	0.0899	0.1461
0.8265	0.9664	0.9416	0.0560	0.8293	0.2414	0.3628
0.4245	0.8302	0.5246	0.7691	0.1981	0.6355	0.8480
0.6639	0.2674	0.6647	0.3781	0.2735	0.9486	0.1355
0.8114	0.9117	0.5691	0.1016	0.3867	0.7039	0.2061
0.8098	0.6669	0.8694	0.6167	0.5997	0.4046	0.2134
0.0125	0.1653	0.2967	0.2475	0.2777	0.1521	0.2466
0.1009	0.7846	0.0107	0.9822	0.0028	0.1526	0.5681
0.8633	0.1763	0.4268	0.9108	0.8015	0.6556	0.8458
0.0513	0.3954	0.2339	0.4622	0.0075	0.0353	0.5565
0.0092	0.4155	0.4474	0.0968	0.2007	0.3905	0.2466
0.1817	0.2144	0.5334	0.8092	0.5333	0.6849	0.2033
0.0715	0.5436	0.5904	0.5144	0.2068	0.9530	0.5879
0.7087	0.3583	0.7017	0.8068	0.9630	0.4216	0.5372
0.1867	0.0669	0.0187	0.0261	0.5060	0.2489	0.1397
0.8029	0.0402	0.1032	0.6554	0.0530	0.8896	0.0462
0.5123	0.2548	0.6411	0.3495	0.9450	0.2143	0.4835
0.7467	0.7236	0.8694	0.8967	0.3054	0.6213	0.6820
0.5497	0.8453	0.2313	0.8513	0.4891	0.3666	0.0726
0.0088	0.7751	0.4311	0.1465	0.5642	0.9331	0.9523
0.2995	0.8098	0.9876	0.2518	0.9016	0.7790	0.2795
0.1243	0.9472	0.1769	0.7856	0.7024	0.5206	0.6976
0.6226	0.2408	0.7159	0.4542	0.6103	0.8169	0.1394
0.6042	0.0821	0.0303	0.7810	0.0301	0.6528	0.9354
0.6832	0.2202	0.1571	0.7981	0.5554	0.9173	0.7248
0.0622	0.9769	0.6582	0.2781	0.5339	0.8858	0.7478
0.9253	0.9115	0.6076	0.8639	0.7873	0.4184	0.4107
0.6427	0.6316	0.6592	0.9994	0.1904	0.8680	0.2721
0.7927	0.9923	0.4497	0.8037	0.5030	0.1086	0.2800
0.5542	0.5875	0.1972	0.1489	0.7585	0.0128	0.8330
0.3796	0.3937	0.2073	0.5561	0.0540	0.7041	0.2066
0.8490	0.3332	0.3484	0.2893	0.2839	0.0960	0.3857
0.9687	0.6776	0.7043	0.8778	0.4470	0.8834	0.9402
0.0780	0.6762	0.1008	0.7627	0.6929	0.7770	0.9851
0.6697	0.3711	0.5743	0.7534	0.1102	0.6840	0.3704
0.4321	0.4535	0.8352	0.9493	0.9487	0.4213	0.0078
0.6210	0.6930	0.0577	0.5703	0.1184	0.9535	0.1308

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0.5863	0.3475	0.0679	0.1028	0.3917	0.4876	0.6164
0.1441	0.1448	0.1150	0.5960	0.3466	0.7884	0.2936
0.7312	0.3639	0.0419	0.9351	0.2897	0.4791	0.8113
0.3789	0.7880	0.2861	0.9635	0.6141	0.4135	0.1947
0.3252	0.9464	0.2321	0.6554	0.7623	0.1251	0.6931
0.0180	0.0814	0.9174	0.8528	0.2591	0.4063	0.7119
0.5991	0.8997	0.3746	0.5285	0.4016	0.6179	0.6800
0.3346	0.8021	0.6245	0.1415	0.9127	0.6003	0.6459
0.2456	0.7407	0.4906	0.7601	0.0558	0.9131	0.8834
0.8576	0.2836	0.7122	0.7001	0.9232	0.8051	0.0490
0.7314	0.6916	0.9525	0.2810	0.0521	0.3314	0.0286
0.3803	0.0968	0.1911	0.4497	0.7608	0.5863	0.0187

Columns 50 through 56

0.4210	0.8533	0.2221	0.6663	0.9119	0.1938	0.9588
0.7846	0.7280	0.7600	0.0990	0.6015	0.4904	0.1444
0.9506	0.3958	0.0074	0.1280	0.1315	0.0609	0.0079
0.4461	0.0676	0.1408	0.4373	0.0166	0.2229	0.6306
0.0984	0.1652	0.0380	0.7831	0.7395	0.0271	0.8549
0.9442	0.9877	0.6723	0.2676	0.0439	0.4635	0.6051
0.8862	0.2407	0.2722	0.3301	0.2293	0.7445	0.2280
0.4610	0.9326	0.6449	0.9201	0.1740	0.7653	0.9664
0.4865	0.1047	0.1712	0.4815	0.4852	0.4977	0.6303
0.6640	0.9535	0.2733	0.2090	0.7245	0.9058	0.1953
0.9120	0.0266	0.0264	0.8796	0.5542	0.7123	0.6801
0.5075	0.6925	0.8999	0.6254	0.2337	0.1304	0.1519
0.7477	0.2632	0.0724	0.4122	0.2809	0.0683	0.0930
0.1931	0.2053	0.0893	0.9504	0.0874	0.3763	0.3933
0.7368	0.9133	0.5091	0.9241	0.9093	0.3337	0.0679
0.5364	0.2902	0.1611	0.9595	0.3913	0.5590	0.7685
0.1344	0.2656	0.2076	0.3166	0.8980	0.1096	0.2242
0.5305	0.5066	0.5936	0.5102	0.7417	0.9586	0.9102
0.6102	0.5812	0.0024	0.0581	0.9582	0.1018	0.2201
0.4544	0.0292	0.6857	0.6209	0.8208	0.3762	0.5338
0.3128	0.0618	0.4442	0.2595	0.3191	0.0057	0.3436
0.4977	0.9955	0.1124	0.3128	0.1300	0.2028	0.4976
0.5609	0.6043	0.9291	0.0911	0.7772	0.8349	0.2775
0.8932	0.8305	0.5748	0.1423	0.9382	0.6854	0.1510
0.1763	0.3638	0.2731	0.1503	0.0060	0.7192	0.2897
0.3785	0.7577	0.0061	0.3131	0.9223	0.5120	0.0693
0.7968	0.6132	0.3454	0.8602	0.9072	0.5723	0.5626
0.5067	0.8572	0.8127	0.6498	0.3103	0.3149	0.5439
0.2072	0.9278	0.3721	0.7609	0.4822	0.4206	0.0179
0.7886	0.5162	0.8410	0.1260	0.5837	0.9519	0.8620
0.8632	0.7688	0.9107	0.7663	0.2468	0.9367	0.4118
0.0450	0.7912	0.5916	0.5278	0.4326	0.5243	0.2285
0.4030	0.6178	0.6115	0.8522	0.6085	0.7430	0.4384
0.1061	0.6926	0.6068	0.6536	0.4759	0.4204	0.1463
0.9749	0.3526	0.9084	0.4282	0.4761	0.9439	0.5838
0.3194	0.0712	0.8358	0.7852	0.8285	0.7083	0.9918
0.6699	0.6342	0.8324	0.2297	0.3692	0.5351	0.0891
0.5166	0.8279	0.4625	0.7508	0.7721	0.9966	0.5930
0.9881	0.4414	0.1341	0.4316	0.2456	0.2182	0.9749

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0.2432	0.0774	0.6834	0.7651	0.7994	0.3328	0.8988
0.7617	0.0884	0.0851	0.1579	0.7894	0.5890	0.2734
0.6618	0.1056	0.0603	0.3352	0.4668	0.7764	0.6463
0.0398	0.4631	0.6914	0.7228	0.8950	0.8769	0.1313
0.0031	0.8321	0.5231	0.3831	0.3896	0.3357	0.7259
0.1312	0.2303	0.9175	0.0785	0.9524	0.7459	0.4371
0.4218	0.7087	0.4551	0.0467	0.2100	0.1094	0.5400
0.9824	0.6309	0.7866	0.2310	0.1611	0.9487	0.1244
0.8677	0.7266	0.3791	0.7724	0.6951	0.2232	0.3108
0.5610	0.2192	0.4093	0.7888	0.2077	0.2530	0.5195
0.6514	0.3416	0.9231	0.6485	0.9709	0.7222	0.5254
0.4212	0.6216	0.2485	0.7481	0.6359	0.7851	0.5605
0.1494	0.4388	0.0485	0.7040	0.2257	0.0609	0.3015
0.7738	0.4826	0.9732	0.3439	0.2590	0.9673	0.4829
0.7203	0.2539	0.8788	0.8099	0.0613	0.5239	0.8084
0.2189	0.9298	0.7913	0.2411	0.0546	0.8853	0.5095
0.4475	0.7704	0.6540	0.5455	0.0093	0.4890	0.8247
0.2261	0.3188	0.1277	0.4032	0.1619	0.9212	0.0875
0.9684	0.4973	0.4422	0.5283	0.5853	0.3210	0.2264
0.0916	0.7853	0.0031	0.9671	0.0864	0.1698	0.7730
0.3115	0.1506	0.6340	0.4873	0.0647	0.8800	0.0576
0.1802	0.5889	0.6507	0.1053	0.5392	0.4478	0.6829
0.5835	0.2644	0.1699	0.4331	0.8257	0.8515	0.8763
0.5794	0.0909	0.9229	0.9263	0.3545	0.1515	0.3680
0.2677	0.5224	0.1576	0.9439	0.5207	0.0590	0.0302
0.1311	0.6898	0.5841	0.0755	0.5316	0.3435	0.3403
0.6722	0.5618	0.6817	0.7932	0.8540	0.3471	0.5416
0.2323	0.5229	0.9041	0.6552	0.8125	0.0591	0.4337
0.0399	0.3076	0.6714	0.9106	0.0662	0.2439	0.7491
0.0412	0.4766	0.5591	0.8813	0.2287	0.9471	0.2821
0.9592	0.8449	0.0253	0.1678	0.4450	0.0759	0.9578
0.3956	0.8963	0.7599	0.7339	0.1427	0.5740	0.9138
0.5629	0.2077	0.3933	0.1923	0.4383	0.4676	0.9499
0.0018	0.6425	0.4489	0.5240	0.9451	0.0585	0.6318
0.0113	0.2396	0.2283	0.4568	0.2991	0.1089	0.2016
0.2247	0.6232	0.8004	0.9656	0.0986	0.0787	0.8587
0.9851	0.9000	0.9149	0.5822	0.0399	0.3714	0.7241
0.3580	0.4984	0.7126	0.9620	0.5661	0.6418	0.0351
0.0940	0.4269	0.9918	0.6802	0.9688	0.6462	0.4073
0.6568	0.9374	0.1643	0.4039	0.7062	0.7036	0.6136
0.8180	0.0087	0.7385	0.1254	0.9233	0.9965	0.4462
0.1502	0.6707	0.1756	0.4673	0.4055	0.0732	0.6342
0.8918	0.6369	0.2657	0.9515	0.0890	0.4680	0.2532
0.5099	0.2969	0.2628	0.8910	0.2252	0.0392	0.1482
0.7381	0.2787	0.0332	0.2773	0.8511	0.6562	0.0032
0.4776	0.1706	0.3853	0.3026	0.6033	0.7040	0.0092
0.4647	0.6069	0.0160	0.1951	0.0495	0.1132	0.3364
0.9442	0.9283	0.3481	0.3931	0.7380	0.5836	0.4150
0.1588	0.8038	0.5053	0.9660	0.5777	0.9193	0.8577
0.7128	0.3152	0.5329	0.5769	0.3907	0.9366	0.6196
0.5464	0.2576	0.4029	0.0134	0.8616	0.4544	0.7197
0.2477	0.2601	0.1443	0.9204	0.9820	0.9860	0.7288
0.7730	0.4753	0.8529	0.2548	0.9887	0.8410	0.7716
0.4595	0.4461	0.8657	0.4519	0.8034	0.3894	0.2934

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0.2587	0.8245	0.0514	0.3413	0.4926	0.8794	0.9932
0.9861	0.4964	0.9566	0.3921	0.2867	0.6029	0.9690
0.7222	0.5430	0.3668	0.2996	0.4775	0.0443	0.9165
0.3071	0.1915	0.9993	0.0313	0.4559	0.4064	0.4355
0.7133	0.6432	0.5439	0.5396	0.9264	0.8184	0.3192
0.6414	0.5577	0.8052	0.9158	0.0205	0.3297	0.6204
0.8309	0.2498	0.7854	0.2848	0.0195	0.4652	0.7020

Columns 57 through 63

0.1353	0.9390	0.1142	0.8196	0.2062	0.6995	0.6764
0.9830	0.9220	0.1307	0.8039	0.7874	0.4825	0.2470
0.9941	0.0590	0.0820	0.3056	0.2752	0.5272	0.7057
0.7625	0.4496	0.9142	0.3534	0.4992	0.9476	0.1284
0.3530	0.4516	0.6942	0.4286	0.1418	0.6248	0.0753
0.7150	0.6165	0.5405	0.8257	0.4762	0.8949	0.5384
0.7819	0.1959	0.6018	0.6592	0.9681	0.8895	0.6781
0.8271	0.8233	0.2087	0.1617	0.2587	0.5189	0.6957
0.5377	0.5747	0.8975	0.8328	0.4606	0.0462	0.0903
0.1840	0.6053	0.5607	0.8731	0.6593	0.2643	0.3375
0.2691	0.1537	0.5101	0.1264	0.4200	0.9039	0.8164
0.5436	0.4309	0.1115	0.1034	0.3287	0.3531	0.6092
0.6497	0.3262	0.9349	0.6914	0.8392	0.3216	0.2021
0.5850	0.7053	0.0872	0.0562	0.5279	0.8556	0.9310
0.6859	0.9462	0.1815	0.3805	0.9632	0.5291	0.1611
0.8077	0.4749	0.6081	0.2778	0.9736	0.0768	0.3317
0.6019	0.5306	0.0905	0.4697	0.1094	0.9973	0.0004
0.9857	0.1840	0.1928	0.9506	0.6374	0.1579	0.9517
0.1990	0.9692	0.0551	0.5034	0.8419	0.3394	0.4930
0.8596	0.5562	0.8537	0.6993	0.8125	0.1836	0.9781
0.4160	0.9922	0.8096	0.7880	0.4739	0.9577	0.5454
0.3908	0.3868	0.7753	0.1379	0.2400	0.9189	0.6527
0.4401	0.0131	0.4668	0.3169	0.1129	0.9353	0.2836
0.6582	0.4364	0.6928	0.9324	0.2127	0.4054	0.8587
0.5064	0.7548	0.2547	0.7280	0.7657	0.2527	0.1127
0.0161	0.1687	0.6996	0.8722	0.3427	0.8816	0.6948
0.6537	0.8385	0.8767	0.0907	0.1637	0.2221	0.4118
0.4597	0.2708	0.6338	0.3262	0.4513	0.4446	0.3021
0.2687	0.2836	0.4127	0.1966	0.2722	0.3707	0.1788
0.9622	0.0889	0.4615	0.4604	0.5080	0.3846	0.7542
0.0068	0.5747	0.0188	0.2073	0.9036	0.1919	0.4088
0.1570	0.2438	0.0592	0.1457	0.4434	0.2592	0.7465
0.5329	0.8753	0.1040	0.8033	0.8260	0.9543	0.8819
0.8500	0.9373	0.6820	0.4660	0.0210	0.3676	0.6006
0.1692	0.7010	0.7682	0.9580	0.0464	0.0025	0.5096
0.0848	0.5868	0.1946	0.9070	0.6535	0.9792	0.6396
0.2120	0.5849	0.0519	0.3321	0.8479	0.1161	0.2449
0.2077	0.5477	0.5647	0.4668	0.3304	0.3003	0.0923
0.3959	0.4501	0.5894	0.9084	0.7936	0.0452	0.9207
0.5306	0.4478	0.9299	0.2016	0.2515	0.5750	0.1183
0.0562	0.7264	0.0929	0.6933	0.3554	0.3593	0.1691
0.7928	0.1573	0.2358	0.3151	0.9497	0.6254	0.8485
0.4965	0.2032	0.9097	0.7207	0.4829	0.7011	0.6850
0.3669	0.0216	0.9872	0.3742	0.1694	0.8869	0.9240

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0.6212	0.8855	0.6559	0.7370	0.9692	0.1668	0.6357
0.4391	0.2591	0.4274	0.0645	0.8126	0.0165	0.5436
0.7011	0.1914	0.8466	0.6614	0.6305	0.9885	0.8667
0.0562	0.8383	0.3738	0.4516	0.0961	0.9409	0.3563
0.1920	0.1342	0.2627	0.5244	0.7961	0.3641	0.6906
0.8973	0.6795	0.1215	0.8263	0.7708	0.7517	0.6648
0.5600	0.9673	0.9951	0.9819	0.4008	0.0216	0.1645
0.2378	0.0272	0.3223	0.4936	0.1570	0.8710	0.9691
0.5549	0.5417	0.6126	0.6157	0.2397	0.7359	0.4843
0.9615	0.6444	0.3153	0.3914	0.3740	0.6873	0.2413
0.2393	0.7416	0.6003	0.4330	0.3423	0.5946	0.4903
0.0131	0.5888	0.5249	0.3223	0.2470	0.6640	0.8680
0.4379	0.9037	0.4460	0.6617	0.2698	0.5453	0.8131
0.0315	0.9262	0.1200	0.6619	0.2262	0.5744	0.3184
0.5461	0.6271	0.8538	0.5175	0.0269	0.9052	0.9364
0.6041	0.9073	0.4212	0.4530	0.0916	0.0431	0.6416
0.3772	0.6979	0.0486	0.4616	0.0862	0.3084	0.5131
0.8449	0.0207	0.5718	0.4838	0.9388	0.7299	0.1389
0.7393	0.1728	0.1023	0.9568	0.6001	0.4308	0.6249
0.5586	0.4452	0.1560	0.9951	0.6661	0.7430	0.1211
0.2597	0.0393	0.5255	0.2627	0.7674	0.1342	0.8440
0.1427	0.1458	0.7835	0.7778	0.6735	0.9967	0.5525
0.0519	0.6951	0.7475	0.9298	0.5781	0.5501	0.7589
0.2931	0.5942	0.9036	0.2016	0.4932	0.7327	0.7201
0.3959	0.4993	0.2220	0.9940	0.2725	0.5069	0.1499
0.5713	0.7375	0.3973	0.7873	0.6504	0.5748	0.6548
0.9845	0.3014	0.1414	0.5288	0.3822	0.0632	0.5482
0.2742	0.3446	0.2292	0.6658	0.2119	0.9195	0.0440
0.9983	0.6872	0.3677	0.1255	0.0119	0.6610	0.2700
0.5960	0.0343	0.2376	0.1471	0.9650	0.2126	0.5422
0.4833	0.4447	0.5781	0.8125	0.6161	0.6709	0.2590
0.9733	0.3902	0.5310	0.5426	0.7783	0.7895	0.4628
0.9520	0.7120	0.3333	0.8641	0.4543	0.0850	0.4916
0.4412	0.4465	0.2305	0.1406	0.4361	0.5217	0.6524
0.3326	0.3840	0.4404	0.0771	0.8933	0.6152	0.3671
0.4968	0.6228	0.0723	0.1807	0.6676	0.7351	0.4362
0.5757	0.0298	0.4498	0.2080	0.0529	0.5754	0.4220
0.9635	0.3578	0.6210	0.5792	0.6794	0.1219	0.7663
0.9674	0.4474	0.1845	0.8358	0.9991	0.3386	0.9597
0.9833	0.7811	0.9598	0.0406	0.1548	0.5433	0.7068
0.4386	0.3227	0.4292	0.2048	0.6500	0.3763	0.7610
0.8302	0.9672	0.8893	0.5316	0.4240	0.6918	0.7854
0.5129	0.3813	0.7220	0.5426	0.3430	0.9529	0.1173
0.5813	0.0128	0.9963	0.9907	0.9974	0.9926	0.8556
0.4582	0.4445	0.8901	0.9955	0.4988	0.7590	0.6934
0.4731	0.6148	0.2698	0.2639	0.7888	0.5546	0.9921
0.1131	0.0904	0.3015	0.3049	0.3684	0.0930	0.8803
0.3900	0.2262	0.7735	0.3134	0.7797	0.9481	0.8744
0.4295	0.8669	0.6878	0.6344	0.1891	0.6637	0.9574
0.2241	0.3959	0.1373	0.2495	0.2981	0.8404	0.3470
0.3727	0.2155	0.2893	0.4899	0.6156	0.9731	0.3444
0.3520	0.5984	0.0076	0.3668	0.2298	0.1734	0.8846
0.9240	0.6309	0.2261	0.0393	0.4991	0.9199	0.5035
0.6521	0.8993	0.2436	0.3998	0.6036	0.8353	0.8176

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0.0609	0.6448	0.9530	0.6150	0.0205	0.2857	0.8438
0.0005	0.4906	0.0452	0.6563	0.2691	0.5069	0.6055

Columns 64 through 70

0.8881	0.8112	0.6671	0.4158	0.0195	0.2201	0.0788
0.1122	0.6821	0.0691	0.0041	0.6890	0.9776	0.7320
0.8612	0.3500	0.4397	0.8610	0.8818	0.7338	0.2890
0.2024	0.7871	0.3518	0.9824	0.1805	0.2698	0.4658
0.4376	0.5443	0.2594	0.4524	0.1680	0.3916	0.9652
0.9897	0.2383	0.0464	0.8258	0.7059	0.6084	0.0018
0.6624	0.0609	0.8796	0.4226	0.4439	0.5910	0.5229
0.1891	0.6907	0.3400	0.4720	0.9955	0.2430	0.9011
0.9801	0.9243	0.2059	0.1962	0.3936	0.2935	0.9087
0.5505	0.1478	0.0828	0.2797	0.8421	0.8175	0.0437
0.4461	0.7270	0.4412	0.2337	0.4458	0.9396	0.4720
0.6842	0.4601	0.4070	0.3988	0.0402	0.0750	0.1323
0.5148	0.2688	0.9894	0.0409	0.2840	0.2584	0.6311
0.7585	0.7797	0.1460	0.1853	0.4689	0.0445	0.8882
0.7194	0.5514	0.8402	0.1571	0.4196	0.4578	0.7679
0.6468	0.6781	0.3216	0.0798	0.2055	0.3026	0.1123
0.0880	0.7326	0.5092	0.2757	0.8294	0.3900	0.0535
0.5881	0.3368	0.3148	0.0790	0.8154	0.3010	0.2929
0.2852	0.1313	0.0079	0.7168	0.4031	0.0236	0.8451
0.2896	0.0841	0.7304	0.1668	0.2086	0.0994	0.6877
0.4589	0.7862	0.1303	0.5858	0.1206	0.5766	0.9371
0.0512	0.5184	0.1235	0.8462	0.4573	0.4080	0.2930
0.0651	0.7869	0.9269	0.2430	0.9536	0.2309	0.0054
0.9759	0.9155	0.5148	0.4037	0.7529	0.3785	0.7126
0.8819	0.8060	0.1524	0.7085	0.9900	0.6396	0.2981
0.8406	0.1168	0.8886	0.7954	0.0141	0.1575	0.4181
0.9037	0.9629	0.3978	0.2590	0.5285	0.2186	0.3192
0.3735	0.0168	0.2860	0.6277	0.4748	0.2956	0.5371
0.7193	0.0900	0.3748	0.5998	0.9501	0.6829	0.5083
0.9834	0.9039	0.3073	0.8712	0.6369	0.8152	0.7288
0.0087	0.6417	0.7862	0.7319	0.9089	0.2964	0.2907
0.4523	0.3183	0.7385	0.4337	0.3636	0.1611	0.6544
0.2941	0.6530	0.4595	0.8525	0.9894	0.8273	0.5528
0.6132	0.6334	0.8019	0.4099	0.6065	0.4706	0.4800
0.4436	0.1711	0.5168	0.8104	0.1660	0.7628	0.2744
0.8810	0.7166	0.0619	0.1153	0.1066	0.8840	0.7376
0.3763	0.6825	0.8787	0.3289	0.9922	0.5975	0.8227
0.7161	0.1801	0.2615	0.6522	0.2622	0.8029	0.2712
0.4731	0.0970	0.2442	0.7797	0.8238	0.8325	0.5124
0.2729	0.1858	0.0014	0.6736	0.2415	0.8040	0.0001
0.6834	0.8828	0.6972	0.2947	0.8155	0.6759	0.3640
0.3278	0.2687	0.4146	0.4943	0.6169	0.5451	0.3020
0.8686	0.9325	0.8195	0.6388	0.3104	0.4797	0.4365
0.7343	0.2980	0.1491	0.4475	0.0202	0.3128	0.4474
0.5890	0.7905	0.0637	0.6230	0.6311	0.4852	0.3482
0.6843	0.2282	0.5669	0.2843	0.9801	0.4346	0.2423
0.8614	0.8282	0.3504	0.4426	0.6434	0.5656	0.8687
0.0506	0.9726	0.7468	0.3867	0.8138	0.2583	0.8095
0.0470	0.2353	0.9054	0.9027	0.6584	0.1089	0.9221

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0.9016	0.9548	0.0852	0.8885	0.6333	0.9637	0.2358
0.0718	0.1836	0.4591	0.1115	0.5849	0.0692	0.4235
0.3741	0.7394	0.7503	0.0259	0.0428	0.9976	0.9252
0.1134	0.2081	0.1339	0.6677	0.5630	0.9376	0.0423
0.6925	0.6657	0.0911	0.1290	0.0752	0.5451	0.4616
0.9255	0.5211	0.8078	0.4021	0.5124	0.8528	0.4277
0.2817	0.7975	0.7940	0.6811	0.6326	0.6020	0.9762
0.5728	0.4020	0.5843	0.5133	0.9812	0.4313	0.7080
0.3936	0.9603	0.7652	0.5381	0.1367	0.0581	0.9150
0.4549	0.4492	0.5307	0.7579	0.5508	0.3114	0.6056
0.8864	0.6968	0.6884	0.8466	0.1825	0.0044	0.7556
0.8730	0.0549	0.5328	0.9096	0.0548	0.7528	0.3500
0.9278	0.5086	0.0751	0.4913	0.7756	0.9539	0.7204
0.3562	0.6345	0.7413	0.8673	0.7270	0.9693	0.1837
0.8570	0.2974	0.7230	0.1403	0.7054	0.8218	0.9543
0.0569	0.4968	0.7698	0.2597	0.2519	0.0830	0.7171
0.0737	0.8628	0.8207	0.6933	0.5016	0.3583	0.4000
0.8703	0.4095	0.8909	0.9911	0.4082	0.2632	0.7553
0.8659	0.4822	0.0554	0.0361	0.8558	0.1523	0.1397
0.6428	0.7989	0.0284	0.0899	0.7272	0.6730	0.0971
0.6456	0.0510	0.0852	0.0259	0.3483	0.0428	0.1940
0.3514	0.5149	0.7397	0.6883	0.6193	0.0381	0.4557
0.0667	0.6188	0.8213	0.6025	0.3025	0.0765	0.1994
0.3225	0.6262	0.1810	0.0072	0.6420	0.2174	0.7962
0.9600	0.5336	0.8331	0.1057	0.3486	0.6874	0.5668
0.8152	0.8961	0.0382	0.8906	0.0821	0.8622	0.0135
0.4759	0.3800	0.4536	0.2812	0.5315	0.1890	0.7157
0.9738	0.3676	0.3711	0.9636	0.6464	0.9606	0.2070
0.2217	0.1141	0.4260	0.7132	0.3710	0.0265	0.1185
0.2048	0.9485	0.0944	0.7711	0.5966	0.0025	0.4916
0.1392	0.9219	0.4926	0.4885	0.4373	0.6917	0.3810
0.5937	0.4516	0.4495	0.9773	0.1834	0.4145	0.3447
0.2791	0.2423	0.7175	0.2120	0.3578	0.7368	0.5760
0.5597	0.5068	0.4235	0.9928	0.9259	0.3473	0.2202
0.6279	0.8790	0.6878	0.7603	0.1418	0.4130	0.7049
0.5222	0.4149	0.5292	0.4814	0.9902	0.6070	0.2696
0.8670	0.7155	0.0510	0.6322	0.1945	0.2159	0.9583
0.5517	0.4361	0.4667	0.7926	0.3936	0.6723	0.7111
0.9858	0.6474	0.9601	0.6497	0.3941	0.9071	0.0033
0.7630	0.3578	0.6720	0.1936	0.0599	0.9723	0.3612
0.7259	0.1352	0.8488	0.4546	0.2503	0.9952	0.0792
0.9228	0.5174	0.8150	0.3040	0.5058	0.1283	0.2690
0.8734	0.3853	0.7471	0.0297	0.0859	0.9897	0.2963
0.2170	0.7113	0.8198	0.3160	0.8212	0.7924	0.3058
0.6693	0.8403	0.6857	0.9432	0.4619	0.6006	0.1137
0.0696	0.5130	0.0778	0.2404	0.6480	0.4886	0.9497
0.0922	0.1487	0.2061	0.5732	0.2024	0.6944	0.7773
0.9350	0.0472	0.7833	0.9137	0.8780	0.0573	0.6810
0.6147	0.8762	0.3603	0.2051	0.8312	0.6696	0.5271
0.7038	0.6288	0.7113	0.1400	0.1054	0.9922	0.7850
0.9623	0.6489	0.7919	0.6891	0.1674	0.3267	0.5139

Columns 71 through 77



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0.2044	0.9819	0.4959	0.1230	0.5345	0.1735	0.4790
0.4832	0.3628	0.0891	0.7307	0.4905	0.2127	0.1770
0.0942	0.2814	0.5266	0.8197	0.2950	0.5290	0.0455
0.1395	0.7557	0.2730	0.6773	0.2138	0.0702	0.3884
0.5375	0.4854	0.9506	0.2505	0.3940	0.3155	0.0216
0.0006	0.8567	0.0717	0.8596	0.7837	0.4945	0.6862
0.4304	0.2851	0.1923	0.3074	0.5242	0.3739	0.6125
0.0571	0.1556	0.7888	0.8601	0.6096	0.5690	0.5002
0.6244	0.0116	0.0944	0.9943	0.4379	0.3815	0.5807
0.6995	0.6010	0.3388	0.4219	0.6992	0.3951	0.6897
0.8409	0.6814	0.6300	0.9711	0.4408	0.0377	0.0270
0.3959	0.9914	0.1807	0.8787	0.7914	0.8596	0.2167
0.0396	0.8057	0.7084	0.4257	0.2100	0.0843	0.1365
0.5071	0.2928	0.4760	0.9308	0.8167	0.6062	0.6724
0.4749	0.3678	0.8022	0.0570	0.3701	0.0991	0.4182
0.6158	0.3184	0.1033	0.7208	0.5359	0.3546	0.1156
0.8961	0.1813	0.6382	0.3768	0.1823	0.9424	0.6937
0.7182	0.3255	0.0630	0.1291	0.7752	0.7934	0.6356
0.9682	0.1997	0.7971	0.2908	0.7179	0.3371	0.7783
0.5275	0.5275	0.3487	0.7050	0.8462	0.0064	0.9056
0.9762	0.0098	0.7091	0.3590	0.3985	0.2087	0.6578
0.9491	0.1459	0.1768	0.1170	0.6126	0.1801	0.3915
0.3361	0.5746	0.9138	0.1206	0.4605	0.7697	0.3806
0.7475	0.0389	0.3722	0.6814	0.2970	0.0937	0.2183
0.6101	0.5538	0.9027	0.1084	0.2242	0.3824	0.3676
0.7411	0.8616	0.2633	0.6765	0.8147	0.9521	0.3636
0.5322	0.6921	0.2243	0.4452	0.1039	0.8270	0.3818
0.7435	0.9843	0.4227	0.3604	0.0947	0.5276	0.7499
0.0418	0.3576	0.5963	0.1558	0.6341	0.6403	0.3859
0.6133	0.4403	0.1908	0.4645	0.7686	0.1065	0.1477
0.1000	0.7710	0.0709	0.3361	0.9496	0.6955	0.0859
0.2530	0.4287	0.6584	0.1363	0.8965	0.2897	0.7173
0.7489	0.2503	0.7706	0.5049	0.5789	0.4001	0.5221
0.1483	0.1845	0.6437	0.0573	0.6321	0.0438	0.7533
0.2859	0.4703	0.6307	0.8275	0.2394	0.2342	0.5405
0.0408	0.1871	0.4750	0.5190	0.4617	0.7348	0.6332
0.6601	0.9484	0.7789	0.1995	0.3250	0.7224	0.7843
0.5099	0.5584	0.0581	0.6451	0.8197	0.6869	0.1252
0.5403	0.4686	0.0343	0.0144	0.3483	0.3392	0.5960
0.5935	0.1960	0.0357	0.4821	0.2861	0.4974	0.6685
0.6832	0.7382	0.1274	0.3457	0.5918	0.2477	0.5966
0.3252	0.6697	0.5500	0.1900	0.2211	0.5802	0.4609
0.8724	0.5265	0.7259	0.5342	0.8100	0.2202	0.4733
0.0092	0.7577	0.1118	0.2132	0.0630	0.5574	0.1516
0.8196	0.2441	0.8979	0.0236	0.1096	0.2608	0.4360
0.5940	0.9204	0.9775	0.2613	0.1428	0.0401	0.2825
0.9839	0.2963	0.7364	0.8588	0.6668	0.0803	0.7964
0.2842	0.8823	0.1079	0.2648	0.1155	0.8358	0.1335
0.5654	0.8321	0.6652	0.7094	0.0739	0.3788	0.2508
0.0633	0.5104	0.8269	0.7422	0.1256	0.4855	0.2505
0.3120	0.3269	0.7680	0.3148	0.4855	0.8819	0.8127
0.0597	0.4550	0.9319	0.7294	0.1973	0.9765	0.1346
0.2095	0.8789	0.9552	0.4451	0.6877	0.8080	0.8775
0.6320	0.3206	0.2113	0.8039	0.9137	0.5249	0.3075

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0.7488	0.1837	0.6894	0.6830	0.3309	0.8428	0.6254
0.5039	0.6828	0.9256	0.4935	0.8827	0.6339	0.8151
0.0617	0.8633	0.1794	0.2497	0.8743	0.5505	0.3925
0.8301	0.5352	0.4221	0.9642	0.0971	0.4974	0.6996
0.3415	0.0535	0.7822	0.4402	0.4828	0.4185	0.6646
0.1822	0.0075	0.6176	0.4106	0.0108	0.9969	0.6049
0.3502	0.2331	0.8460	0.3127	0.4716	0.7814	0.4410
0.1358	0.2101	0.9062	0.3614	0.4825	0.7088	0.9810
0.0494	0.2628	0.3301	0.5202	0.0134	0.3064	0.6424
0.5101	0.1106	0.5826	0.1091	0.1167	0.2834	0.0026
0.7976	0.2393	0.0824	0.1985	0.9767	0.5752	0.0820
0.2441	0.3962	0.7434	0.4383	0.6098	0.1377	0.2113
0.0293	0.7787	0.8341	0.2987	0.0717	0.7554	0.9124
0.0297	0.5515	0.8778	0.5583	0.7836	0.0119	0.7110
0.0139	0.4708	0.9300	0.0904	0.5869	0.0219	0.3490
0.6278	0.1438	0.2959	0.4766	0.3200	0.3463	0.2558
0.1974	0.2985	0.1170	0.0867	0.1397	0.8599	0.7896
0.7984	0.0641	0.2498	0.4632	0.6827	0.4142	0.3267
0.3116	0.7886	0.7654	0.5660	0.2616	0.7345	0.7323
0.6002	0.3228	0.5107	0.3587	0.7148	0.2218	0.6431
0.0380	0.4720	0.6981	0.6300	0.9452	0.6783	0.5261
0.5900	0.6939	0.2767	0.4086	0.2126	0.9156	0.2703
0.9818	0.1805	0.0670	0.6480	0.7716	0.8040	0.4647
0.0466	0.1051	0.9347	0.6199	0.5273	0.6137	0.9964
0.1021	0.7149	0.1554	0.9020	0.3220	0.5587	0.9858
0.6380	0.1545	0.6792	0.9696	0.8440	0.3728	0.6751
0.3146	0.5171	0.5355	0.4305	0.5935	0.7526	0.9195
0.1955	0.5246	0.9629	0.9747	0.1119	0.3636	0.9703
0.2852	0.4140	0.3890	0.5192	0.7691	0.0779	0.8691
0.3314	0.1252	0.8460	0.5738	0.2463	0.3723	0.0400
0.7200	0.5448	0.0968	0.7680	0.4447	0.7353	0.7892
0.0697	0.0984	0.3084	0.0406	0.3236	0.8506	0.9755
0.5029	0.9549	0.2657	0.0542	0.0041	0.2927	0.2197
0.0793	0.8980	0.2985	0.4204	0.0584	0.6614	0.1209
0.4545	0.2209	0.2162	0.3011	0.0577	0.9591	0.1595
0.7085	0.0885	0.5374	0.1720	0.1043	0.5890	0.3694
0.7242	0.6870	0.6395	0.0284	0.3663	0.0072	0.7011
0.2586	0.6449	0.9688	0.2499	0.0011	0.3080	0.8909
0.5457	0.5448	0.1558	0.6349	0.7451	0.4145	0.8585
0.9794	0.2653	0.9318	0.0964	0.4270	0.3537	0.3096
0.3599	0.0025	0.9398	0.7399	0.2268	0.9697	0.6980
0.8341	0.5804	0.9975	0.2455	0.6638	0.8466	0.8203
0.0951	0.6325	0.4889	0.6623	0.7367	0.3163	0.6121
0.9977	0.5764	0.5037	0.3137	0.1983	0.3693	0.3013
0.7410	0.5643	0.8838	0.2494	0.1263	0.1920	0.6981
0.9561	0.6436	0.6941	0.2255	0.9926	0.5959	0.6752

Columns 78 through 84

0.2491	0.2224	0.6254	0.3154	0.0550	0.7746	0.8299
0.2817	0.0652	0.0284	0.1274	0.3112	0.4874	0.1058
0.8153	0.6470	0.4750	0.8177	0.8563	0.0945	0.3454
0.3814	0.0501	0.4953	0.7455	0.8581	0.1016	0.0087
0.3632	0.6524	0.3265	0.5964	0.5843	0.7089	0.6230

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0.2156	0.6403	0.4175	0.5756	0.2386	0.0969	0.2148
0.3033	0.6488	0.1619	0.2609	0.5614	0.6770	0.1303
0.6968	0.5507	0.0253	0.0644	0.9640	0.1690	0.8648
0.4018	0.2008	0.7162	0.4368	0.5964	0.7971	0.1889
0.5866	0.7917	0.5192	0.5525	0.9450	0.2083	0.1062
0.7847	0.0807	0.2667	0.6489	0.5678	0.6513	0.4929
0.9980	0.1763	0.4139	0.4324	0.1815	0.3975	0.7304
0.2125	0.5717	0.1678	0.4168	0.6750	0.4789	0.8701
0.8091	0.2647	0.2448	0.0517	0.4783	0.5421	0.3658
0.6906	0.2932	0.7583	0.1598	0.1176	0.6598	0.5751
0.8533	0.2850	0.8378	0.7833	0.9111	0.1946	0.2501
0.9918	0.3464	0.4775	0.1478	0.7885	0.3107	0.8798
0.6434	0.2090	0.2880	0.9092	0.5425	0.2081	0.0436
0.9614	0.3147	0.7579	0.5914	0.7439	0.0466	0.5984
0.4245	0.2079	0.7337	0.8865	0.9217	0.7997	0.2438
0.7458	0.3818	0.0655	0.0536	0.6657	0.8229	0.8578
0.9857	0.6004	0.9898	0.4663	0.4936	0.7430	0.7768
0.1576	0.6312	0.0397	0.1121	0.1497	0.4903	0.3831
0.1293	0.2197	0.7779	0.9007	0.2400	0.5702	0.5614
0.7789	0.1931	0.9733	0.9530	0.9742	0.3684	0.0879
0.7212	0.8394	0.4151	0.8127	0.9034	0.8353	0.5899
0.2195	0.7649	0.3108	0.3319	0.7155	0.8997	0.3803
0.2245	0.3009	0.6040	0.2712	0.1866	0.6614	0.0557
0.5706	0.0902	0.1348	0.0512	0.2543	0.7789	0.4106
0.0304	0.0826	0.1822	0.8893	0.5063	0.0028	0.5084
0.4905	0.6599	0.4547	0.9853	0.6643	0.8700	0.1107
0.2317	0.4580	0.3250	0.3644	0.6616	0.0685	0.1594
0.1020	0.7867	0.4768	0.6463	0.9301	0.5733	0.8389
0.9113	0.7372	0.0457	0.0289	0.7790	0.5920	0.7869
0.5730	0.2456	0.0253	0.2303	0.2834	0.8205	0.3924
0.1116	0.8682	0.0884	0.7207	0.0421	0.6135	0.8204
0.6664	0.3640	0.7359	0.9244	0.8636	0.5378	0.8136
0.2281	0.5685	0.8030	0.5675	0.9430	0.5359	0.7298
0.9999	0.2685	0.1991	0.8388	0.0748	0.9733	0.5414
0.6059	0.2793	0.9177	0.9276	0.2833	0.1311	0.0265
0.5286	0.4357	0.8976	0.2516	0.0566	0.5697	0.4255
0.9064	0.8521	0.5837	0.0333	0.2079	0.4294	0.7849
0.1453	0.6742	0.6809	0.7221	0.4753	0.0715	0.5064
0.5365	0.0811	0.8348	0.0475	0.5260	0.2913	0.6154
0.5529	0.9936	0.7548	0.5543	0.2127	0.9185	0.4639
0.3151	0.7761	0.5782	0.0569	0.1800	0.1021	0.6099
0.3151	0.3117	0.4000	0.8988	0.7381	0.6214	0.6879
0.7633	0.2570	0.0426	0.5230	0.5446	0.4624	0.2478
0.2278	0.9332	0.0495	0.7230	0.0384	0.9661	0.5329
0.4083	0.5770	0.3033	0.1392	0.1331	0.9903	0.4420
0.9291	0.0844	0.7354	0.2617	0.0793	0.8311	0.6047
0.5395	0.9184	0.3052	0.2541	0.8751	0.4983	0.9780
0.1230	0.6667	0.3539	0.7920	0.8462	0.8488	0.2043
0.5417	0.4638	0.5579	0.8943	0.4990	0.8797	0.7055
0.8926	0.5081	0.1917	0.4731	0.8644	0.5048	0.4125
0.4099	0.8035	0.5883	0.5992	0.5025	0.5298	0.7437
0.3631	0.7172	0.0428	0.4357	0.5578	0.1644	0.6695
0.1333	0.6315	0.8008	0.4751	0.5029	0.6515	0.1794
0.8996	0.8750	0.3655	0.1582	0.8535	0.2013	0.4832

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0.0823	0.6368	0.2452	0.2945	0.2163	0.9438	0.8581
0.7855	0.2966	0.5605	0.5950	0.3218	0.9927	0.4689
0.8611	0.1727	0.6242	0.8087	0.6685	0.9067	0.4175
0.5401	0.3702	0.3024	0.9323	0.4221	0.5103	0.6677
0.4032	0.3873	0.4726	0.5889	0.5395	0.3421	0.6103
0.4986	0.5665	0.5879	0.8783	0.6662	0.8357	0.9947
0.3789	0.6208	0.8709	0.2898	0.5114	0.0832	0.3689
0.9691	0.6784	0.1700	0.4340	0.7286	0.0939	0.8560
0.2629	0.3933	0.4841	0.4768	0.8544	0.6217	0.7964
0.5166	0.9099	0.5307	0.5075	0.9054	0.1381	0.1857
0.4514	0.5803	0.8354	0.5219	0.0031	0.9851	0.3584
0.1623	0.5812	0.9096	0.9979	0.4632	0.0797	0.1001
0.5256	0.9908	0.0015	0.8701	0.5366	0.5746	0.9386
0.2171	0.9827	0.2143	0.1300	0.2335	0.6473	0.0713
0.6324	0.5614	0.2600	0.2264	0.2814	0.4846	0.3635
0.7510	0.7634	0.6455	0.4727	0.1694	0.8542	0.8121
0.1521	0.2551	0.9564	0.1224	0.1562	0.3865	0.0792
0.0412	0.4922	0.8098	0.2033	0.4221	0.0637	0.2853
0.1871	0.0653	0.6120	0.4727	0.2380	0.1867	0.7114
0.0514	0.1404	0.3310	0.7518	0.8718	0.3809	0.6050
0.1722	0.8426	0.4112	0.6946	0.2919	0.7486	0.9874
0.5634	0.8591	0.5850	0.1006	0.1222	0.2108	0.7295
0.6718	0.9878	0.3536	0.3815	0.8237	0.4446	0.7173
0.2283	0.3486	0.3983	0.4360	0.1511	0.1980	0.6684
0.9675	0.3687	0.0025	0.2475	0.2700	0.2898	0.5962
0.1607	0.3118	0.6753	0.6035	0.4336	0.8757	0.2228
0.6096	0.9982	0.9247	0.9030	0.9620	0.5909	0.1820
0.0491	0.1595	0.9928	0.5236	0.7965	0.2133	0.0467
0.3791	0.9868	0.2340	0.9090	0.6067	0.4842	0.6200
0.5035	0.1214	0.8739	0.8430	0.5928	0.7076	0.4911
0.0106	0.2153	0.7014	0.2605	0.6389	0.2730	0.6078
0.0116	0.6568	0.0902	0.9377	0.8089	0.7587	0.8938
0.0780	0.2766	0.0465	0.2465	0.9178	0.5402	0.8716
0.3229	0.3240	0.8719	0.5268	0.8981	0.1221	0.9249
0.1939	0.4010	0.9538	0.0802	0.1748	0.1311	0.4014
0.3380	0.5673	0.9622	0.2302	0.1611	0.4956	0.0981
0.2927	0.1121	0.1263	0.4645	0.0335	0.0244	0.7103
0.7931	0.1287	0.7371	0.8797	0.3384	0.2229	0.9333
0.9625	0.0739	0.9756	0.9699	0.7424	0.3564	0.1774
0.3686	0.1781	0.3668	0.3991	0.0354	0.1635	0.5874
0.8690	0.1875	0.5090	0.9014	0.3484	0.7587	0.9531

Columns 85 through 91

0.6368	0.9624	0.8398	0.6784	0.8748	0.4071	0.9959
0.8791	0.0010	0.3323	0.4293	0.0673	0.0890	0.0700
0.0235	0.6062	0.2981	0.5564	0.8039	0.2777	0.4199
0.0835	0.9648	0.2267	0.2426	0.3374	0.3354	0.5450
0.7402	0.6896	0.0180	0.3279	0.7754	0.5638	0.3033
0.8207	0.9406	0.8971	0.8373	0.0620	0.6170	0.2622
0.2782	0.4968	0.7277	0.7708	0.5754	0.8933	0.3516
0.1653	0.6037	0.2771	0.9374	0.5508	0.1732	0.7631
0.1039	0.7506	0.6894	0.8960	0.7994	0.8031	0.1803
0.9764	0.4901	0.1037	0.9161	0.3784	0.0750	0.0000

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0.0388	0.0292	0.9488	0.8556	0.5343	0.0353	0.4896
0.8827	0.0652	0.2945	0.9786	0.9501	0.6595	0.2799
0.9576	0.8881	0.3014	0.4724	0.1211	0.3043	0.4158
0.3517	0.3598	0.5017	0.9388	0.3613	0.6491	0.8888
0.2687	0.3720	0.8670	0.9950	0.1442	0.4413	0.0058
0.9576	0.1248	0.9770	0.1674	0.5887	0.5739	0.8532
0.8835	0.7583	0.2176	0.9176	0.5459	0.3387	0.3584
0.4218	0.1608	0.9967	0.3833	0.3360	0.2648	0.5261
0.6442	0.3459	0.6767	0.9153	0.2946	0.8947	0.8213
0.0651	0.2574	0.2879	0.0348	0.5702	0.6086	0.9444
0.4202	0.4818	0.9270	0.7535	0.8024	0.4164	0.1471
0.4434	0.6437	0.0303	0.1750	0.3982	0.9609	0.9624
0.1233	0.5281	0.0937	0.1878	0.6887	0.2881	0.8245
0.3963	0.9313	0.1651	0.1421	0.9087	0.8925	0.6062
0.5750	0.2643	0.5240	0.7919	0.1138	0.3807	0.3300
0.5651	0.6135	0.5571	0.1052	0.1144	0.9237	0.7527
0.3034	0.7261	0.9915	0.7895	0.6283	0.5862	0.8625
0.2398	0.2074	0.3892	0.2166	0.1225	0.3508	0.4572
0.4309	0.3973	0.3240	0.3763	0.6962	0.2964	0.4757
0.5360	0.8229	0.1535	0.1164	0.1019	0.3400	0.0358
0.5839	0.6119	0.1548	0.0051	0.4915	0.6350	0.8594
0.6262	0.5049	0.3581	0.9184	0.4103	0.1431	0.4665
0.7153	0.5437	0.7112	0.3841	0.9008	0.7796	0.5009
0.4987	0.4922	0.2241	0.2519	0.5163	0.2808	0.7702
0.2769	0.8404	0.1372	0.4760	0.6720	0.2959	0.8599
0.3633	0.4276	0.7462	0.3289	0.2087	0.3950	0.1034
0.3063	0.5913	0.9256	0.3068	0.5314	0.3172	0.5309
0.5120	0.9459	0.9950	0.1857	0.5180	0.2340	0.9957
0.1997	0.3225	0.5741	0.4856	0.5532	0.2364	0.7086
0.0865	0.1258	0.6410	0.4976	0.1395	0.3773	0.7151
0.7870	0.6135	0.5584	0.2949	0.8827	0.0762	0.6798
0.4943	0.6341	0.8994	0.8092	0.1233	0.8006	0.6037
0.5590	0.3914	0.0205	0.7247	0.1659	0.2277	0.4399
0.3937	0.1857	0.3583	0.1708	0.4165	0.1927	0.1452
0.9851	0.1757	0.1453	0.3090	0.4985	0.2601	0.3542
0.7041	0.8131	0.4324	0.6881	0.8417	0.0792	0.2112
0.2717	0.7776	0.6400	0.3533	0.9464	0.7522	0.2062
0.0042	0.6061	0.0018	0.1362	0.7605	0.2215	0.6982
0.6577	0.3099	0.5079	0.1612	0.5641	0.6217	0.1802
0.4800	0.6149	0.3850	0.7016	0.5661	0.0837	0.4722
0.8894	0.4519	0.4468	0.9631	0.4871	0.7899	0.8342
0.0883	0.6038	0.1258	0.8489	0.3776	0.0188	0.8550
0.9510	0.6322	0.2503	0.3557	0.0814	0.1428	0.9083
0.0894	0.7485	0.4985	0.6040	0.5955	0.5605	0.7576
0.5652	0.0448	0.2690	0.8632	0.5734	0.1999	0.0756
0.3070	0.4535	0.4796	0.8205	0.2002	0.6744	0.9174
0.1102	0.9586	0.2130	0.8567	0.6224	0.2505	0.7157
0.0068	0.4043	0.6354	0.4792	0.3333	0.4128	0.6763
0.0867	0.4887	0.6415	0.6933	0.3363	0.6082	0.5382
0.7471	0.4186	0.9975	0.1842	0.3935	0.2296	0.9899
0.0497	0.4405	0.2719	0.1600	0.6275	0.5405	0.1244
0.1859	0.9248	0.0550	0.9949	0.4415	0.1688	0.8922
0.3353	0.3078	0.2745	0.0661	0.1978	0.4589	0.0251
0.1505	0.5578	0.9382	0.9926	0.2530	0.2623	0.4413

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0.0385	0.0782	0.5524	0.2177	0.7906	0.2719	0.0127
0.3032	0.9500	0.5479	0.8856	0.0902	0.6011	0.6881
0.1095	0.1221	0.7555	0.3372	0.0564	0.7439	0.6509
0.9260	0.3763	0.5984	0.3165	0.3522	0.3747	0.5459
0.7883	0.9210	0.7095	0.3105	0.0871	0.9332	0.7011
0.0904	0.9389	0.2198	0.7131	0.5110	0.7517	0.2289
0.8704	0.7132	0.4212	0.6637	0.8230	0.3378	0.1532
0.5261	0.4868	0.2843	0.7180	0.2234	0.7834	0.1557
0.3850	0.3549	0.9323	0.1046	0.5983	0.2107	0.5380
0.4946	0.9236	0.7737	0.7005	0.0854	0.7777	0.0790
0.2414	0.5964	0.9767	0.0806	0.0403	0.7560	0.9327
0.5778	0.2882	0.0865	0.8912	0.9439	0.3233	0.1478
0.8510	0.5950	0.5960	0.6939	0.4555	0.5384	0.4939
0.1122	0.5609	0.6544	0.4365	0.9539	0.4761	0.8676
0.8085	0.5003	0.5987	0.6570	0.8103	0.4879	0.3118
0.7289	0.4616	0.2173	0.9481	0.4678	0.1015	0.0357
0.1571	0.5130	0.5037	0.7711	0.8295	0.2952	0.2485
0.6554	0.4696	0.9858	0.8834	0.2201	0.1503	0.3799
0.0573	0.5632	0.0056	0.3430	0.9405	0.5085	0.9089
0.3085	0.6619	0.4788	0.3127	0.2961	0.6125	0.8533
0.3542	0.4632	0.5983	0.5077	0.9202	0.4329	0.7231
0.0303	0.3715	0.4854	0.5125	0.3078	0.8316	0.1216
0.3952	0.1697	0.9126	0.5818	0.7541	0.2388	0.4600
0.1477	0.9216	0.2280	0.3028	0.3463	0.1976	0.3942
0.1605	0.1985	0.3234	0.2407	0.2175	0.1204	0.6028
0.9062	0.2749	0.0520	0.7164	0.0025	0.8476	0.9390
0.7479	0.2394	0.5653	0.7699	0.9997	0.0637	0.5635
0.5129	0.7848	0.8500	0.7912	0.4160	0.8611	0.6071
0.9504	0.5628	0.7478	0.7300	0.6511	0.0573	0.6812
0.7234	0.9542	0.4824	0.0485	0.7323	0.9825	0.2522
0.1643	0.3716	0.4725	0.2863	0.7410	0.4995	0.5363
0.1853	0.0545	0.2766	0.6485	0.2745	0.4424	0.1420
0.2028	0.6254	0.5677	0.5520	0.1477	0.4364	0.6235
0.0413	0.4656	0.7989	0.7048	0.2511	0.2916	0.5326
0.9337	0.7458	0.5129	0.9492	0.5487	0.3224	0.0681
0.0940	0.9012	0.9955	0.4037	0.9512	0.9868	0.0288

Columns 92 through 98

0.1899	0.4303	0.5346	0.0790	0.8510	0.2634	0.7087
0.2101	0.0332	0.3502	0.4143	0.2086	0.7107	0.6469
0.4343	0.5146	0.5054	0.7888	0.6699	0.8423	0.5283
0.5046	0.1935	0.4863	0.5358	0.9150	0.1226	0.3562
0.0181	0.6271	0.9351	0.8989	0.3722	0.7050	0.7144
0.6936	0.3101	0.0704	0.0114	0.0460	0.1553	0.9521
0.1446	0.2282	0.8811	0.3860	0.4644	0.7082	0.7825
0.9869	0.0887	0.5550	0.1143	0.7031	0.0379	0.8708
0.9591	0.0667	0.1760	0.7258	0.9311	0.8985	0.9974
0.4137	0.2724	0.8666	0.8743	0.2185	0.2373	0.9054
0.2479	0.6245	0.6808	0.9634	0.2428	0.5464	0.5365
0.4804	0.2676	0.8051	0.2980	0.2683	0.8000	0.9352
0.9410	0.8627	0.7737	0.0194	0.1809	0.9022	0.8905
0.1909	0.9024	0.4281	0.0204	0.3992	0.8711	0.5730
0.0653	0.4709	0.0448	0.1216	0.0953	0.5980	0.5363

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0.2030	0.5975	0.6317	0.2351	0.1431	0.3137	0.5274
0.2610	0.6390	0.0659	0.0442	0.8797	0.0471	0.7073
0.0409	0.2499	0.5753	0.9534	0.3470	0.4101	0.0064
0.9152	0.4956	0.1623	0.7319	0.8782	0.1252	0.0126
0.3452	0.6505	0.7138	0.4600	0.3303	0.1815	0.7416
0.6295	0.0083	0.3759	0.5446	0.8162	0.8211	0.4154
0.9631	0.5247	0.2167	0.7222	0.9213	0.0033	0.6414
0.0152	0.8067	0.9410	0.0286	0.0437	0.0489	0.4072
0.4132	0.2963	0.0882	0.0137	0.7227	0.7705	0.9977
0.8902	0.0823	0.1091	0.7418	0.9862	0.3013	0.4229
0.8744	0.6988	0.8745	0.3337	0.3295	0.6207	0.0973
0.8104	0.7648	0.7604	0.1517	0.4178	0.1199	0.5485
0.4618	0.0665	0.0944	0.2364	0.9050	0.8688	0.3524
0.2339	0.9560	0.5984	0.5915	0.4598	0.9008	0.2936
0.6485	0.6136	0.7079	0.8005	0.0451	0.3034	0.7548
0.1862	0.4805	0.4795	0.6128	0.2778	0.4176	0.3525
0.2133	0.0274	0.9062	0.3902	0.4651	0.6630	0.0990
0.1375	0.7636	0.0915	0.5798	0.3834	0.1244	0.3268
0.9970	0.9306	0.2997	0.0460	0.3081	0.9811	0.7791
0.8170	0.1604	0.5980	0.5280	0.5598	0.2999	0.0980
0.6552	0.9343	0.9687	0.0047	0.0774	0.5419	0.3271
0.5893	0.2851	0.7551	0.3645	0.3453	0.0131	0.7727
0.5931	0.2516	0.6956	0.2926	0.9934	0.8451	0.3072
0.4310	0.2477	0.2394	0.8364	0.3535	0.3886	0.1899
0.5276	0.1858	0.4270	0.1804	0.4797	0.5210	0.9259
0.3300	0.8187	0.5850	0.8146	0.5289	0.1179	0.5687
0.2413	0.5327	0.4494	0.8115	0.8630	0.8234	0.2067
0.8510	0.6686	0.3488	0.7131	0.5095	0.8652	0.2007
0.9140	0.1456	0.8363	0.9472	0.9465	0.8381	0.3161
0.3788	0.8478	0.8348	0.7620	0.9447	0.6176	0.8847
0.3815	0.4203	0.9280	0.6502	0.7019	0.3177	0.7200
0.5245	0.0455	0.4978	0.5806	0.1983	0.9988	0.5258
0.2175	0.0393	0.6998	0.2880	0.0114	0.5790	0.0630
0.9598	0.9057	0.2350	0.0384	0.9203	0.6985	0.0546
0.1884	0.1693	0.0459	0.1408	0.4969	0.9881	0.4392
0.6043	0.8561	0.2406	0.4587	0.2350	0.5595	0.5522
0.8830	0.2247	0.3943	0.1766	0.2243	0.4104	0.0306
0.4179	0.5024	0.2731	0.3254	0.7720	0.0133	0.6733
0.3273	0.8021	0.1162	0.1822	0.4195	0.9839	0.7388
0.2834	0.8907	0.4863	0.8270	0.7712	0.5729	0.9418
0.3667	0.7313	0.8042	0.8515	0.2493	0.3142	0.6378
0.7815	0.9110	0.9683	0.3661	0.7980	0.7350	0.4160
0.2981	0.2264	0.3937	0.1174	0.4658	0.1950	0.2523
0.9123	0.3982	0.1311	0.4283	0.1083	0.2894	0.4921
0.2551	0.1407	0.7713	0.9206	0.8513	0.3259	0.8932
0.5755	0.4666	0.1197	0.5006	0.5578	0.6876	0.6495
0.0887	0.3900	0.6226	0.1333	0.8816	0.7651	0.9601
0.5173	0.7803	0.6013	0.4573	0.1619	0.6344	0.6755
0.9593	0.0977	0.2330	0.9229	0.9174	0.0995	0.7896
0.1970	0.2024	0.3144	0.5423	0.6667	0.6680	0.4053
0.8558	0.8081	0.9078	0.8481	0.0969	0.3395	0.3504
0.5589	0.0025	0.5270	0.2607	0.1660	0.7940	0.3026
0.4697	0.8981	0.8078	0.0652	0.4375	0.3810	0.8158
0.5015	0.5699	0.5835	0.6058	0.5404	0.2740	0.5217

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0.8517	0.1491	0.3394	0.3243	0.8063	0.8747	0.2010
0.0977	0.7269	0.0554	0.2269	0.2564	0.9873	0.4007
0.7390	0.7183	0.1402	0.3920	0.5204	0.9646	0.2382
0.1688	0.0694	0.7218	0.6606	0.2285	0.7211	0.3981
0.1776	0.5288	0.7534	0.0448	0.8302	0.5639	0.7184
0.3303	0.1868	0.6663	0.5214	0.8622	0.5391	0.4162
0.2145	0.1991	0.5810	0.0334	0.5754	0.5233	0.6168
0.0169	0.6932	0.7405	0.0422	0.9614	0.4009	0.2004
0.6689	0.3161	0.7541	0.5077	0.3974	0.1594	0.0413
0.4911	0.8646	0.2676	0.7038	0.8791	0.8596	0.5567
0.4163	0.5739	0.9197	0.4830	0.0365	0.0009	0.0546
0.3575	0.1989	0.7858	0.7348	0.3034	0.5695	0.4308
0.5063	0.6413	0.9536	0.9355	0.3660	0.8009	0.4239
0.0947	0.3994	0.8121	0.9482	0.1001	0.0397	0.5192
0.5580	0.0149	0.5109	0.6150	0.1427	0.3740	0.0795
0.5808	0.3553	0.7208	0.9356	0.1401	0.6621	0.8284
0.5133	0.3759	0.7542	0.4878	0.9237	0.3901	0.2732
0.4225	0.7273	0.6344	0.5551	0.7571	0.5774	0.4933
0.4644	0.0428	0.1674	0.2965	0.8359	0.2983	0.1015
0.1651	0.9148	0.2851	0.8396	0.7045	0.7361	0.3754
0.4747	0.9291	0.3937	0.5068	0.7143	0.9258	0.2284
0.3993	0.5563	0.7379	0.3941	0.9506	0.9782	0.4849
0.9999	0.4279	0.5803	0.6591	0.6392	0.0257	0.4844
0.2164	0.9171	0.0406	0.0526	0.1750	0.9127	0.4719
0.3239	0.9816	0.0436	0.4999	0.8547	0.4005	0.9536
0.2816	0.1103	0.1191	0.8168	0.6883	0.6430	0.7752
0.2679	0.7023	0.8810	0.8563	0.2854	0.8181	0.1527
0.6671	0.1592	0.2250	0.7913	0.7145	0.5220	0.5359
0.2581	0.1614	0.8921	0.7594	0.8013	0.0102	0.7231
0.5986	0.6381	0.7841	0.2115	0.2574	0.9993	0.0855
0.6975	0.2196	0.7360	0.8348	0.2267	0.8033	0.1204

Columns 99 through 100

0.5388	0.9409
0.7051	0.3800
0.3678	0.1943
0.0966	0.4559
0.6327	0.1144
0.5109	0.3447
0.1806	0.8745
0.7678	0.2053
0.3205	0.0385
0.0941	0.3922
0.9018	0.0124
0.7052	0.3321
0.3595	0.3375
0.4697	0.0660
0.1959	0.9283
0.8685	0.5911
0.8998	0.7169
0.9682	0.7203
0.7894	0.0580
0.8003	0.7608

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0.0012	0.9880
0.5154	0.3041
0.2416	0.0727
0.0017	0.5813
0.3847	0.9539
0.0826	0.9847
0.5104	0.0890
0.5271	0.3457
0.8939	0.4889
0.4321	0.8956
0.5459	0.4653
0.5897	0.9288
0.9302	0.0258
0.1436	0.0625
0.0226	0.1889
0.1650	0.1309
0.9073	0.1745
0.9851	0.3814
0.2496	0.4567
0.9566	0.7297
0.7181	0.8409
0.9322	0.1378
0.2389	0.9535
0.6357	0.6801
0.6131	0.5386
0.5862	0.9386
0.8849	0.4203
0.6002	0.6340
0.5419	0.4254
0.8687	0.6524
0.4289	0.1765
0.0221	0.9211
0.4206	0.3709
0.5584	0.8346
0.7248	0.8650
0.6473	0.8840
0.2879	0.5634
0.2600	0.7554
0.6602	0.0301
0.0039	0.0793
0.1434	0.5764
0.7302	0.3567
0.5926	0.3162
0.2331	0.2366
0.4310	0.2464
0.4430	0.1506
0.7695	0.1247
0.9859	0.5633
0.7213	0.5262
0.8406	0.7500
0.1200	0.1608
0.1918	0.1412
0.7420	0.1065
0.4025	0.9359

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0.4232	0.0110
0.4884	0.2038
0.8568	0.6420
0.7065	0.4230
0.0495	0.9578
0.4733	0.2838
0.8433	0.8873
0.9470	0.0656
0.8891	0.8434
0.9441	0.2765
0.1643	0.5716
0.1920	0.6496
0.4330	0.8747
0.4074	0.4876
0.2998	0.1861
0.0945	0.3493
0.2326	0.4347
0.7290	0.6047
0.7228	0.5772
0.1082	0.5064
0.4031	0.2488
0.9741	0.5337
0.8955	0.7729
0.9963	0.5510
0.3982	0.7397
0.1086	0.9477

$L =$

Columns 1 through 7

0.2718	0.7510	-0.3072	0.5006	-0.1806	0.7558	-0.3243
0.1462	-0.0368	0.2775	-0.1031	0.5292	-0.6147	0.2889
0.3014	0.0967	0.0865	0.8798	0.3946	0.2055	-0.0219
0.8649	0.2920	0.4794	0.2583	-0.6374	0.6122	0.1003
0.8648	-0.4127	0.2242	0.4592	0.1321	0.2681	0.3844
0.1404	0.5678	-0.2078	0.2084	-0.2956	-0.5085	0.2177
0.2961	0.2942	0.4897	0.3067	-0.4380	0.3809	-0.0013
0.8770	-0.1708	0.1794	0.0173	-0.1067	0.7475	0.9499
0.5422	-0.0878	0.0176	-0.0312	0.6858	0.2574	0.2056
0.1981	-0.1471	0.2345	-0.0218	0.3674	-0.1539	0.3196
0.8507	-0.0286	0.3029	0.1772	-0.1183	0.3884	0.2642
0.3243	0.8095	0.0932	0.5206	-0.1676	-0.0543	-0.0446
0.8925	-0.0779	0.3279	0.3400	-0.7610	0.0152	1.0000
0.5473	0.1074	0.1624	0.6029	-0.5178	0.6372	0.6913
0.4767	0.1470	0.2934	0.3230	0.3838	0.2841	-0.1723
0.0849	0.1600	-0.1062	0.4086	0.1039	-0.6047	0.2175
0.1056	0.6128	-0.3617	0.4306	-0.2154	0.0411	-0.1184
0.8498	0.1055	0.1403	0.5940	-0.7363	0.7626	0.7819
0.8945	-0.4648	0.8941	0.1458	0.2533	0.6602	0.3768
0.4903	0.3121	0.3066	0.0722	-0.2282	0.4390	0.3251
0.4883	0.2485	0.3192	0.7159	-0.2182	0.5133	0.1285
0.0577	0.5434	0.3096	0.7761	-0.2706	0.5274	-0.3491

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0.0613	0.0443	0.4472	1.0000	0	0	0
0.1947	0.9235	-0.0796	0.6616	-0.5385	0.5333	-0.5035
0.3591	-0.2116	1.0000	0	0	0	0
0.9415	-0.6825	0.4365	-0.0039	0.0149	0.4684	0.6391
0.5831	-0.4658	0.9490	0.5385	0.8021	-0.0805	-0.7015
0.0562	1.0000	0	0	0	0	0
0.2550	0.3899	-0.1793	0.6093	0.0428	0.1142	-0.2385
0.7638	0.0321	0.5833	0.4969	0.0537	0.9056	-0.0230
0.2479	-0.1913	0.4027	-0.0324	0.9685	0.0527	-0.2086
0.9949	-0.2215	0.6334	-0.2684	0.6148	-0.2061	0.2542
0.3577	0.2586	0.1557	0.0295	0.2660	-0.2233	-0.2912
0.9264	0.1136	-0.0897	0.1135	-0.3165	0.2237	0.5644
0.9679	-0.2430	0.5943	0.3254	0.4454	0.9803	0.1221
0.9596	0.0366	0.5857	-0.6132	0.4622	-0.1005	0.6004
0.6088	0.5696	0.0972	0.8232	-0.6199	0.6613	-0.3717
0.2448	0.7989	-0.0177	0.3034	-0.0182	-0.1429	0.1002
0.1854	0.2028	0.0121	0.6092	-0.1372	0.4223	-0.3168
0.1606	0.4697	0.1577	0.2482	-0.1481	-0.4525	-0.2810
0.7516	0.3107	0.6004	-0.3661	-0.2067	-0.7266	0.3382
0.4145	0.4506	0.1649	-0.2493	-0.6225	-0.2095	0.2826
0.2249	0.6176	0.0928	0.0911	0.2846	-0.6389	-0.4879
0.6984	0.4542	-0.2175	-0.0137	0.0385	0.6134	0.4967
0.4524	0.3638	-0.0490	-0.0863	0.5195	-0.5769	0.0318
0.6496	-0.0022	0.7852	0.3900	-0.1679	0.0270	0.0053
0.8242	-0.3061	0.1688	0.4818	0.4769	0.7207	-0.3555
0.9041	0.2037	-0.0969	0.1626	-0.1307	0.3523	0.6713
0.8935	-0.3648	0.3293	0.5244	-0.3902	0.5040	0.6641
0.3268	0.1139	0.5841	-0.1718	0.3181	-0.8407	-0.0283
0.2046	0.0761	0.1512	-0.0271	0.8938	-0.6524	-0.0185
0.0547	0.0291	0.3640	0.6285	0.7177	-0.3808	-0.1832
0.8625	0.3140	-0.0847	0.4785	-0.6555	0.7230	0.1500
0.8281	-0.3565	0.5501	0.4666	0.5776	1.0000	0
0.1141	0.9165	-0.2453	0.9966	-0.7555	0.5766	0.2241
0.9719	-0.5618	0.4121	-0.2729	0.3659	0.3378	0.3884
0.8087	-0.1749	0.0619	0.3631	0.5743	0.4029	-0.1749
0.0796	0.1863	0.7621	-0.0250	0.1781	-0.9707	0.2963
0.7076	-0.0641	0.4288	0.3160	-0.3201	0.1163	0.3975
0.8068	-0.3704	0.3817	-0.1973	0.3154	-0.1783	0.5224
0.3157	0.1266	0.2659	0.9371	0.2964	0.2218	-0.1658
0.6312	-0.1239	0.2343	0.1052	-0.2624	0.2013	0.8475
0.1173	0.6235	0.0773	0.6398	-0.5731	0.5575	-0.0423
0.0831	0.2379	0.2192	0.7691	0.1254	-0.1511	-0.3448
0.2116	-0.1094	0.5647	0.1266	0.6557	-0.1424	-0.1689
0.1551	0.2762	0.0548	0.0720	0.3819	-0.5497	-0.1859
0.8857	-0.4455	0.9052	0.3763	0.0991	0.3196	0.4750
0.3978	0.1318	-0.1165	0.1735	-0.3830	0.5474	0.3908
0.6871	-0.3496	0.7675	0.4884	0.1703	0.6718	0.0517
0.6611	0.3101	0.5272	0.1999	-0.5075	0.4922	0.3102
0.2828	-0.0882	0.9568	-0.1383	0.7360	-0.8788	-0.3467
0.8346	-0.3158	0.8333	-0.1434	0.5420	-0.0098	0.5130
0.8813	-0.3854	0.7322	-0.5452	-0.0185	-0.1541	0.8863
0.2915	0.7225	-0.0037	0.0253	-0.2550	-0.3694	-0.1960
0.4058	0.2655	0.0389	0.5287	-0.4390	0.6676	0.0400
0.8204	-0.6172	0.3664	-0.4787	0.7295	-0.3368	0.1299

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0.0504	0.8496	0.0034	0.1167	-0.7149	-0.4350	0.3345
0.0974	0.6421	0.4391	0.1254	-0.6097	-0.3039	0.5707
0.3183	-0.1351	0.3913	0.4214	0.2041	0.3169	0.1974
0.9109	-0.4478	0.4194	0.0697	-0.0061	0.0969	0.5624
0.5809	0.1010	0.0567	0.1683	-0.3963	-0.3685	0.5044
0.1722	0.6605	-0.4036	0.4539	0.1671	-0.3487	-0.1350
0.0809	0.8392	0.2987	0.2885	-0.2839	-0.4076	-0.5213
0.5515	-0.2050	0.2372	0.8199	0.2621	0.5494	-0.4440
0.8405	0.3159	0.3451	0.4834	-0.6382	0.7261	0.3810
0.1437	0.2840	0.4896	0.7667	0.2600	0.1600	-0.1463
0.9104	-0.7121	0.5380	-0.4112	1.0000	0	0
0.3949	0.3846	0.3448	-0.2537	-0.0194	0.0023	0.3488
0.1112	0.8048	0.1868	0.1321	-0.7680	-0.8241	0.4481
0.3056	0.2087	0.1507	0.3363	0.1743	-0.2542	-0.0440
0.9379	0.1062	0.0199	-0.3655	-0.0736	-0.0321	0.4703
0.1020	0.1424	0.1044	0.8905	-0.5337	-0.1471	-0.0643
0.7496	-0.2794	0.2998	0.3987	0.3152	0.8357	0.2741
0.4304	0.6006	0.2400	-0.1630	-0.1884	-0.1056	0.2434
0.2926	0.4012	0.4602	-0.1493	0.4605	-0.4120	-0.0938
0.2710	0.6001	0.3086	-0.1693	-0.4391	-0.1958	0.0108
1.0000	0	0	0	0	0	0
0.3175	-0.2322	0.4315	-0.1074	0.6741	-0.3232	-0.2499
0.2540	0.4941	-0.3298	0.8362	-0.9622	0.2068	0.2345
0.4485	0.3885	-0.2875	0.5892	-0.1481	0.0192	-0.0008

Columns 8 through 14

-0.3296	0.7199	-0.3111	-0.6803	-0.0899	0.3504	0.8666
0.5544	0.1056	0.1935	0.0963	0.4401	0.5554	0.3932
0.5850	-0.1639	-0.1255	0.2203	0.6038	0.1533	-0.2503
-0.6800	-0.2357	0.1494	0.1970	0.3274	0.1452	0.5935
0.4201	0.0475	0.4644	-0.3278	0.0751	-0.3812	0.0977
0.4724	-0.1992	0.7008	0.4582	-0.1740	0.4166	0.4569
-0.0043	0.7957	0.1011	-0.2368	0.4775	-0.2344	-0.0716
-0.4515	-0.1022	0.1248	-0.1658	-0.8013	-0.4700	0.4860
0.5460	0.7090	-0.1930	0.2576	0.0192	0.0249	0.4053
0.4902	0.3882	0.1061	-0.2456	0.1008	-0.5274	0.0247
-0.3114	0.0339	0.5352	-0.2347	-0.4696	0.0844	0.6815
-0.1388	0.3767	0.4045	-0.9367	0.1431	0.2301	0.3040
0	0	0	0	0	0	0
-0.3487	0.1483	0.6628	-0.2842	-0.1614	-0.7391	0.2068
0.2916	0.5994	0.0981	-0.6769	0.1218	0.2499	-0.1165
0.7128	0.0293	1.0000	0	0	0	0
0.3123	0.8614	-0.0853	-0.2645	-0.0352	-0.3079	0.0611
-0.5428	-0.5612	-0.0530	-0.1337	-0.2228	-0.3689	0.8778
-0.4003	-0.3901	-0.2734	-0.0168	-0.0822	-0.0599	-0.1276
-0.2141	0.6284	0.4754	-0.0471	-0.3290	-0.0955	0.3244
-0.2960	0.4916	-0.0406	-0.1873	0.2419	0.4212	0.1750
0.1243	0.5929	-0.3304	0.1972	-0.0132	0.1641	-0.4042
0	0	0	0	0	0	0
-0.0766	0.3516	-0.2596	0.1553	0.4295	0.4486	0.2045
0	0	0	0	0	0	0
-0.0527	0.3669	0.0070	-0.4229	0.4551	-0.1370	0.0939
0.0822	0.0945	-0.2539	-0.3488	0.9286	0.5933	-0.0837

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0	0	0	0	0	0	0
0.0134	0.4201	0.5243	-0.5688	0.1925	0.5844	0.5477
-0.4041	0.0110	-0.6986	-0.4854	0.0603	-0.2628	0.1131
0.1163	-0.0163	-0.2292	0.2979	0.1533	-0.2880	-0.5773
0.2924	-0.1780	-0.6494	0.5627	0.7856	0.8208	0.0961
-0.0068	0.0702	0.4585	-0.1787	-0.1541	0.1858	0.1340
0.1325	-0.3991	0.3061	0.7521	0.1663	0.6518	0.6107
-0.6827	0.4468	-0.6444	-0.3774	0.4087	-0.2338	0.0464
-0.3496	-0.4075	0.3904	0.2027	-0.1689	0.8708	1.0000
-0.3278	0.2051	-0.6406	-0.6004	0.7183	-0.0282	-0.0785
0.0545	0.3690	0.4299	-0.2592	-0.1533	0.6217	0.8502
-0.1721	0.4461	-0.1585	0.3549	0.3790	0.1661	0.4400
0.4369	-0.1436	0.1582	0.6122	0.3181	0.0871	-0.4271
0.1733	-0.1183	0.0993	0.4573	0.4460	0.3706	-0.3323
-0.2449	-0.2524	0.8487	0.7822	-0.6658	-0.0995	0.6041
0.4652	0.0430	0.1748	0.0511	0.0918	0.9209	-0.0169
-0.1217	0.1845	0.0792	0.2455	-0.4906	0.2513	0.9036
0.4794	-0.1153	0.6141	0.2642	-0.2600	0.6066	0.5174
-0.3570	-0.0361	-0.2027	0.0640	0.6768	0.6199	-0.0357
-0.1409	0.5756	-0.7276	-0.9659	0.8128	0.1011	-0.0456
0.0334	-0.6110	0.7116	0.2203	-0.2219	-0.1902	0.6576
-0.0241	0.3408	-0.1249	-0.3077	0.6090	-0.0303	0.4233
0.6172	-0.3468	0.5648	0.3489	0.5567	0.2034	-0.7032
1.0000	0	0	0	0	0	0
0.8030	0.6932	0.1672	-0.2969	0.5680	0.1870	-0.5076
-0.4806	0.0248	-0.3551	0.2057	-0.2641	0.0854	0.3065
0	0	0	0	0	0	0
-0.2858	0.8230	-0.3589	-0.1677	0.0250	-0.4946	0.1922
-0.1443	0.3475	-0.3187	-0.3590	0.5475	-0.1318	0.4981
0.0440	-0.1609	0.2347	0.0750	0.3623	-0.1028	0.3506
0.4342	0.0494	0.5604	0.1463	-0.1202	0.0483	-0.1569
0.2551	-0.3500	0.4361	0.6276	0.5587	0.2784	0.1785
0.2226	-0.3045	0.6033	0.5996	-0.0147	-0.1155	0.2704
0.0801	0.1968	0.3560	-0.0034	0.1811	0.5941	0.5856
0.1999	-0.2498	0.2355	1.0000	0	0	0
-0.1111	1.0000	0	0	0	0	0
0.5561	0.3020	0.3131	-0.0146	0.4840	0.2978	-0.1315
0.3404	0.2527	-0.4424	0.7509	0.5413	0.0695	-0.9657
0.5095	-0.2493	0.0543	0.9384	-0.2334	0.3107	0.0648
-0.2806	-0.4415	0.1652	-0.3038	0.4136	0.0333	0.1053
0.2756	0.8049	0.1990	-0.2989	-0.1602	0.1033	0.4375
-0.1405	0.3009	0.0072	0.2963	0.2731	0.3134	-0.2302
-0.4627	-0.0871	-0.5646	0.4695	-0.1149	-0.1661	-0.5855
-0.0512	-0.5548	0.4990	0.2090	-0.1196	0.1461	-0.8166
-0.3862	-0.4741	-0.5578	0.0382	0.2844	-0.2589	-0.5447
-0.1902	-0.4467	0.4459	0.0400	-0.6156	-0.0078	0.3899
0.0796	0.5404	0.7378	-0.5488	0.3147	0.6093	0.3281
0.1078	0.8626	0.4211	-0.7661	0.1118	-0.3702	0.0402
0.5695	-0.3998	0.1588	0.5580	0.4668	0.5595	0.5563
0.2944	-0.1759	0.9918	0.3350	-0.5788	-0.1263	0.2217
0.2081	0.1453	0.3398	0.5877	-0.1637	0.6726	0.5256
-0.0909	-0.1154	-0.0591	0.4227	-0.6253	-0.4100	-0.1895
0.1753	0.0830	-0.2340	0.1753	0.4972	-0.1622	-0.2498
0.4717	-0.4912	0.1933	0.2025	0.1010	-0.0011	0.1353

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0.7821	-0.0283	0.1646	0.2667	0.6464	0.9868	0.3523
0.2034	0.4814	0.1013	-0.3023	0.6145	1.0000	0
0.1819	0.5751	-0.8014	-0.5841	1.0000	0	0
-0.7516	0.1175	-0.6246	-0.4616	0.2633	-0.2980	-0.0857
0.2555	-0.0138	0.3810	0.3311	0.1775	0.4997	0.2171
0	0	0	0	0	0	0
-0.2991	0.1150	0.0841	0.4143	-0.4866	0.0246	-0.1697
0.4744	-0.4578	0.9478	0.3374	-0.3232	0.2186	0.2319
0.2983	0.4656	-0.3998	-0.2794	0.9273	0.2587	-0.5752
0.1392	0.1803	0.2987	-0.2099	0.1128	0.3385	0.7681
0.7391	-0.0125	0.4547	0.6870	0.8439	0.6742	0.2536
0.1255	0.2109	-0.5538	0.2529	0.5569	-0.4683	-0.6275
-0.2503	0.1304	0.7549	-0.5669	-0.1220	0.5341	0.9857
0.4090	0.0363	-0.3985	-0.1130	0.1921	0.6588	0.0582
0.1589	0.0592	0.5155	0.4001	0.0423	0.6156	0.1954
0	0	0	0	0	0	0
0.5012	0.6590	-0.1676	0.0405	0.1509	0.6590	-0.2095
0.2226	0.3126	0.2278	-0.0514	-0.0074	0.1144	0.2795
0.3929	0.3687	0.0651	0.3064	0.4988	0.8158	0.5338

Columns 15 through 21

-0.1750	0.0593	0.2134	0.4355	-0.4366	-0.4033	0.1590
-0.7865	-0.2734	-0.3711	-0.0470	0.1989	0.7277	-0.0708
-0.3467	0.4281	0.4507	0.0115	-0.4763	0.2743	-0.3194
0.8368	-0.2027	0.1079	0.2599	0.7458	0.5530	-0.1149
0.0111	-0.4700	-0.2800	0.6180	0.2950	0.3814	0.5153
0.2220	0.1073	0.3360	0.3933	-0.2828	-0.4426	0.3239
0.2701	-0.5765	0.2404	0.7484	0.0783	0.0142	0.7801
0.5070	0.3576	-0.0885	0.0255	-0.9996	-0.6285	0.2392
-0.3938	-0.1773	-0.4687	0.0963	0.2114	0.0088	0.7990
0.3657	-0.1199	0.4676	-0.0681	-0.2674	-0.2490	-0.0396
0.4594	0.1043	-0.4188	-0.0240	-0.0783	-0.5390	0.0821
0.2871	-0.3224	0.2017	1.0000	0	0	0
0	0	0	0	0	0	0
0.5547	-0.4489	-0.0381	0.1744	0.2464	0.1298	-0.1964
-0.3920	0.3203	-0.0194	0.9877	-0.9770	0.1003	0.0266
0	0	0	0	0	0	0
0.1528	-0.2321	0.2437	0.4502	-0.4035	-0.7067	0.5376
1.0000	0	0	0	0	0	0
-0.0432	0.3135	0.0484	0.0382	-0.7047	0.1807	0.2596
0.4463	-0.0756	-0.3341	0.4012	-0.2847	-0.5578	0.4037
-0.4214	-0.4232	-0.0259	0.0069	-0.1186	-0.1446	0.1018
0.2771	0.6601	0.1960	0.4835	-0.5003	-0.2453	-0.1230
0	0	0	0	0	0	0
0.1276	-0.1034	0.0872	0.4548	0.5349	0.3285	0.4827
0	0	0	0	0	0	0
-0.4229	-0.4206	-0.1552	-0.0197	0.1225	0.3437	0.0643
-0.8387	-0.4311	-0.2995	-0.4670	0.7944	0.7893	-0.2425
0	0	0	0	0	0	0
-0.1919	-0.1131	0.2587	0.4003	-0.3733	-0.4597	-0.2147
-0.1489	-0.1215	0.2717	0.4692	-0.5222	0.1535	-0.0669
-0.5925	-0.6963	0.1835	-0.8357	0.3498	-0.2058	-0.0084
-0.0397	0.2981	0.1389	-0.3024	0.3851	0.8986	-0.2938

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-0.4291	-0.5727	-0.3115	-0.6958	0.7254	0.2300	-0.1656
0.7045	1.0000	0	0	0	0	0
0.2892	-0.4311	0.3127	-0.2404	0.0093	-0.2078	-0.2909
0	0	0	0	0	0	0
0.7958	0.1625	1.0000	0	0	0	0
-0.0470	-0.0668	-0.1799	0.6484	-0.2908	-0.3588	0.2080
-0.1447	-0.6244	-0.0021	-0.5595	1.0000	0	0
0.5514	0.4565	0.1142	-0.0865	-0.0069	0.0010	0.2327
0.5504	-0.0351	0.1578	-0.0329	0.1381	-0.1279	0.6239
0.8481	-0.2429	-0.2962	-0.4194	0.7057	-0.3384	0.3700
-0.0428	0.6937	0.1617	-0.3092	-0.3897	-0.2584	-0.3643
0.0579	-0.1521	-0.2414	0.0982	0.2540	0.0762	0.5454
-0.3805	-0.2159	-0.0792	-0.1121	0.4068	0.1240	0.2290
-0.4495	0.0818	-0.0155	-0.7087	0.2161	0.4402	-0.1566
-0.8324	-0.3865	-0.2170	0.1843	0.2694	0.5640	-0.1380
0.4067	-0.0942	-0.0914	0.4130	0.0923	0.2993	0.4560
-0.1045	0.0185	-0.1490	-0.4100	-0.0573	0.3447	0.1327
0.0163	0.0059	0.3727	0.2485	-0.0882	0.3533	0.0181
0	0	0	0	0	0	0
-0.3716	-0.1331	-0.1854	0.6163	-0.1561	0.4228	0.4428
0.7586	0.9901	0.2014	-0.4105	-0.4855	-0.6085	-0.6790
0	0	0	0	0	0	0
0.6968	0.0396	0.2412	-0.1001	-0.0276	-0.5519	-0.1910
-0.2878	-0.6539	-0.4964	-0.1160	0.7037	0.3813	0.5327
0.1954	-0.2332	0.0924	0.4478	0.2388	-0.0068	-0.0463
0.3577	-0.5140	-0.0693	-0.0501	0.0366	-0.1697	0.7828
0.2907	0.1220	-0.1074	0.3356	0.5126	1.0000	0
0.7251	0.0014	0.0270	0.3168	0.2390	0.2008	0.4208
-0.0059	-0.2260	-0.1877	-0.2862	0.2603	0.0763	-0.1445
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1118	0.2597	-0.0433	-0.0760	0.3436	0.2869	-0.0782
-0.1813	-0.2437	-0.0397	-0.5658	0.4810	0.3290	0.8521
0.3514	0.1441	-0.1472	-0.3042	0.1763	-0.5686	0.7958
-0.1965	0.1847	-0.0701	-0.1126	-0.2219	0.7350	-0.4875
-0.3935	0.0211	-0.4704	0.5916	-0.4728	-0.4032	0.2026
-0.0624	-0.0635	-0.2710	-0.3224	0.2471	0.2126	0.1967
0.5760	0.6479	0.2139	-0.0548	-0.7551	-0.5768	-0.0630
-0.0931	0.1153	-0.1301	-0.6020	-0.1711	0.0968	-0.1457
-0.4202	-0.1439	0.1854	-0.2210	-0.5606	0.0641	0.2140
0.1203	-0.1549	-0.1564	-0.5271	0.0656	-0.0035	-0.2705
-0.0723	-0.3501	0.2004	0.3089	-0.1116	-0.4097	0.4582
0.4560	0.0222	0.3051	0.9641	-0.4648	-0.4142	0.4233
-0.3979	-0.0818	-0.1030	-0.5483	0.3424	0.5012	0.2144
0.4306	-0.4112	0.0719	-0.1336	0.4609	-0.2241	0.6211
0.0644	0.2178	-0.3301	-0.0224	-0.0296	-0.0056	-0.1328
0.3003	0.2485	0.1333	-0.6408	-0.2210	-0.5029	-0.4019
0.4165	0.5380	0.2814	-0.3734	-0.4277	0.0356	-0.5732
0.5877	0.7516	0.3990	0.3196	-0.3658	0.0311	0.0860
-0.3477	0.5594	0.1415	0.2943	-0.4086	0.3674	0.4879
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.6112	0.0742	0.5147	-0.0717	-0.0901	-0.2259	-0.4157
-0.0903	0.2276	-0.1276	0.5575	-0.0373	0.4781	0.2936

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0	0	0	0	0	0	0
-0.1463	-0.4004	0.1539	-0.8775	0.1424	-0.4038	0.3333
0.7314	-0.0047	0.1997	0.7364	-0.1292	-0.2323	0.1851
-0.6612	0.0820	-0.1435	-0.2950	-0.0246	0.3180	0.3409
-0.1641	-0.4274	-0.2121	-0.1806	0.5979	0.1246	0.2156
0.1105	0.4346	0.0004	0.1694	0.5180	0.7624	0.2664
-0.2038	-0.2084	-0.0072	0.5759	-0.2068	0.2188	1.0000
0.1212	-0.0785	-0.0311	0.7865	-0.2092	0.0986	-0.1054
-0.3911	-0.0405	-0.0175	0.2658	-0.1129	0.2272	0.5809
-0.1193	-0.2744	-0.0712	0.0712	0.2316	-0.0801	0.8065
0	0	0	0	0	0	0
-0.9108	-0.1163	-0.2879	-0.1047	-0.4580	-0.4379	0.7378
0.6966	0.8756	0.1049	-0.2547	-0.1607	-0.0917	-0.5164
-0.2160	-0.2702	-0.0744	-0.6130	0.9675	0.2134	-0.1866

Columns 22 through 28

-0.5253	-0.6489	0.4499	-0.0415	0.2754	-0.3190	-0.2911
0.3883	-0.1926	0.3476	-0.2383	0.1625	0.5054	-0.3195
-0.1766	0.3179	-0.4567	0.5979	1.0000	0	0
0.0321	-0.0438	-0.0397	0.0463	-0.0764	-0.3119	0.5252
0.6507	-0.2011	-0.4016	0.1602	0.1455	-0.2151	0.2638
-0.0030	-0.7600	0.1946	0.3472	0.4797	0.2838	0.2209
1.0000	0	0	0	0	0	0
-0.1706	0.2054	-0.2152	0.0138	0.0040	0.2450	-0.5991
0.3677	-0.2096	0.0123	-0.4145	-0.0621	-0.4584	-0.1139
0.9263	0.3776	-0.1205	-0.0395	0.2309	-0.8440	0.4993
0.3468	0.2362	-0.1248	0.1122	-0.4270	-0.9597	0.0270
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3770	0.4326	-0.5703	-0.3027	-0.5538	-0.5538	0.2770
-0.4205	-0.3368	0.5089	0.1403	0.3119	-0.1516	0.0160
0	0	0	0	0	0	0
-0.0083	-0.3965	0.3294	0.0515	0.0042	-0.7726	0.5882
0	0	0	0	0	0	0
-0.6303	-0.0064	0.1571	-0.0580	-0.0506	0.0756	-0.1204
0.4711	0.0925	0.0091	0.0280	-0.5091	-0.2049	-0.2424
-0.1006	0.3115	-0.0846	0.0564	-0.0625	-0.8739	0.2021
-0.3756	0.2277	0.0093	-0.0358	0.4456	0.0571	-0.0979
0	0	0	0	0	0	0
-0.1102	-0.3685	-0.0370	0.0736	0.2298	0.4171	-0.3446
0	0	0	0	0	0	0
0.2277	0.0378	-0.3419	-0.1061	-0.0281	0.0444	-0.2789
0.3830	0.3022	0.1316	0.2115	0.0308	0.4293	-0.1717
0	0	0	0	0	0	0
0.1295	-0.4198	0.4737	0.2542	0.3526	0.1270	-0.2344
-0.3762	0.2258	-0.2356	0.0417	0.2527	0.4081	-0.4306
-0.3724	-0.0343	-0.0593	0.5320	-0.1558	-0.2779	-0.0080
-0.0764	0.4579	0.3867	-0.3223	0.4702	0.2767	0.0100
0.4067	-0.2310	0.2335	0.4155	0.0164	0.1548	-0.0032
0	0	0	0	0	0	0
-0.1955	0.8151	-0.0422	0.0578	-0.0597	-0.2606	0.0754
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0.0558	0.0539	0.4433	-0.1105	-0.2305	-0.7475	-0.1090
0	0	0	0	0	0	0
0.1029	0.3281	-0.1236	0.2560	-0.0866	-0.2309	0.2714
0.3854	0.1735	0.6170	0.0117	-0.6657	-0.5664	0.6156
0.5147	-0.0794	0.0315	-0.0737	-0.8250	-0.5430	0.2040
-0.0531	0.2335	0.1096	0.4436	0.2747	-0.5395	0.1687
-0.3113	-0.4591	-0.1679	-0.0105	0.2475	0.0558	-0.1885
-0.0969	-0.7883	0.4734	0.1668	0.2578	0.2598	0.4287
-0.2420	-0.0156	0.3419	0.1055	-0.3339	-0.2870	0.4164
0.0368	0.1742	-0.4058	0.2591	0.3539	-0.3904	-0.3170
0.4210	-0.3668	0.0512	0.3852	-0.0090	0.5841	-0.5239
0.4010	0.1345	0.0973	-0.0079	-0.0708	0.5498	-0.4073
0.4498	0.3466	-0.3803	0.6478	0.4863	-0.1714	0.8531
0	0	0	0	0	0	0
-0.1301	-0.0555	1.0000	0	0	0	0
-0.5598	0.6269	-0.7821	-0.3055	-0.3213	-0.6047	-0.1641
0	0	0	0	0	0	0
0.1581	0.4576	0.1612	-0.0995	-0.2440	-0.8427	0.3067
0.9862	-0.0824	0.2588	-0.4463	-0.6364	-0.0547	-0.2820
0.5231	0.1751	-0.0171	0.0274	-0.0876	-0.6365	0.2340
0.4245	0.0280	0.2322	-0.1470	-0.5352	-0.5509	1.0000
0	0	0	0	0	0	0
0.1883	0.0718	0.2023	-0.1247	-0.2062	0.4837	0.2874
0.4332	0.0434	0.7957	-0.0117	-0.0375	0.0484	-0.1605
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.1617	0.3225	-0.2708	0.1603	0.1354	0.1879	-0.1388
-0.0762	0.3371	-0.1610	0.5663	0.1681	0.0320	0.5590
0.0494	-0.0919	-0.0593	0.5156	-0.1752	-0.1140	-0.1065
0.4547	0.7440	-0.4931	0.4117	0.3245	0.4956	-0.6478
-0.0886	-0.4161	-0.0858	-0.2927	0.0059	0.3625	-0.5017
0.0994	0.4720	-0.1147	-0.0240	-0.0903	-0.5605	0.4291
-0.5901	0.8306	-0.5323	0.1819	-0.2943	-0.4984	-0.4456
0.2200	0.6262	0.5013	1.0000	0	0	0
-0.3300	0.5871	0.0531	0.4999	0.1174	-0.1785	0.1244
0.1199	0.0246	-0.1057	-0.2420	-0.2432	0.1141	0.1497
0.3207	-0.2746	-0.1937	0.3710	0.0084	-0.3716	0.5961
0.0965	-0.5116	0.3636	-0.2859	-0.3409	-0.3207	0.3929
0.6551	-0.3210	0.1864	0.0568	0.3664	0.5188	0.0793
0.4400	-0.7135	0.2440	0.4189	-0.0281	-0.2455	0.6443
-0.3339	0.1335	-0.0011	-0.0511	0.1676	0.4325	-0.3855
-0.3834	0.6460	-0.2977	0.2828	0.1086	0.2819	-0.1722
0.0873	1.0000	0	0	0	0	0
-0.3567	-0.4956	0.5200	-0.0290	-0.2138	0.1462	0.0107
0.0607	-0.8182	0.4120	0.4507	0.9765	0.6084	-0.3694
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.3728	0.8726	-0.9838	-0.1734	-0.3057	-0.1185	-0.1884
0.1108	-0.0068	0.4719	0.4815	0.6635	0.0430	-0.2467
0	0	0	0	0	0	0
0.1171	0.0909	-0.2840	0.4840	0.0896	-0.2057	0.5380
-0.1973	-0.2562	0.0134	0.0358	-0.0722	-0.2316	0.8341
-0.2392	-0.0446	0.4549	-0.0118	-0.5096	-0.5030	-0.0718
0.2789	-0.2814	-0.0382	-0.3875	-0.4078	-0.1783	-0.0589

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-0.0075	-0.6410	0.3971	-0.2085	0.1156	1.0000	0
0	0	0	0	0	0	0
0.5132	-0.0165	-0.1011	0.1052	0.2182	0.1866	-0.0190
-0.4423	-0.5349	0.3610	-0.0269	0.2042	0.7779	-0.3427
0.4977	-0.8014	0.3279	0.3310	0.1336	0.5141	0.2215
0	0	0	0	0	0	0
0.0449	-0.2471	-0.0144	0.0801	0.2269	0.1708	0.0104
-0.0464	-0.0448	0.1076	-0.1417	0.2647	-0.2095	-0.0364
-0.1630	-0.4161	0.1815	-0.3436	0.0852	0.0712	0.3311

Columns 29 through 35

0.6189	-0.0175	-0.2587	-0.5412	0.7532	0.5582	-0.4555
0.5808	0.4985	-0.3439	0.2745	0.3222	0.5052	1.0000
0	0	0	0	0	0	0
0.0349	-0.2885	-0.0630	-0.2185	0.1697	-0.0786	-0.4968
0.0768	-0.2213	-0.2252	0.2027	-0.5982	-0.1222	0.1830
0.2275	-0.0283	0.4220	-0.7767	0.6631	-0.2587	-0.4721
0	0	0	0	0	0	0
-0.1374	0.4260	0.1352	-0.1492	0.9025	-0.0409	0.3542
0.4246	-0.1871	-0.0750	0.2411	-0.0254	0.1412	-0.1086
0.8726	-0.4835	-0.5355	-0.0045	-0.4390	0.6598	0.1644
0.1089	-0.2787	-0.7062	-0.2381	0.5096	0.5996	-0.4699
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1370	0.4640	-0.4737	0.2882	0.7270	0.5868	0.6640
0.3882	-0.4501	-0.4213	-0.5728	0.3749	0.5970	-0.4330
0	0	0	0	0	0	0
0.3667	-0.1740	-0.3864	-0.4003	0.5771	0.8595	-0.6409
0	0	0	0	0	0	0
-0.0170	0.4577	0.0644	0.0051	0.5479	0.0572	0.1499
-0.0149	-0.1037	-0.4193	0.2126	0.5318	0.3199	-0.2196
-0.1201	-0.3271	-0.8794	0.4571	-0.7797	0.9097	-0.1215
-0.3891	-0.4116	0.4545	-0.0717	0.0176	-0.5153	-0.4467
0	0	0	0	0	0	0
0.0911	-0.1556	0.4518	-0.2218	0.3147	-0.2095	0.2121
0	0	0	0	0	0	0
0.0253	0.4744	-0.3694	0.1363	-0.2994	0.1204	0.6367
0.0593	0.3192	-0.0994	0.8664	-0.1131	-0.2944	0.1794
0	0	0	0	0	0	0
0.3313	0.0232	-0.2375	-0.8519	0.5428	0.1677	-0.3405
-0.0051	0.3954	0.3161	0.3053	1.0000	0	0
-0.3565	1.0000	0	0	0	0	0
0.4250	-0.5068	0.6642	0.2082	-0.7383	-0.3388	0.3073
0.5779	0.4228	-0.0983	-0.1285	0.2614	0.0074	0.7891
0	0	0	0	0	0	0
-0.1987	-0.0173	-0.0234	0.0551	0.1573	0.3733	0.2082
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0624	-0.3843	-0.7899	-0.1980	-0.1761	1.0000	0
0	0	0	0	0	0	0
-0.3232	-0.2846	-0.0041	-0.1172	-0.0809	0.2449	0.0792
0.0865	-0.1519	0.0873	-0.0616	-0.0653	0.1045	-0.8023
-0.1080	-0.2563	-0.4207	-0.4794	0.2648	0.5448	0.2464

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0.2460	-0.5204	-0.4666	-0.1640	-0.0229	0.9608	-0.4238
0.0633	-0.2194	-0.0150	-0.0397	-0.2467	0.0580	-0.0745
0.3912	-0.0722	0.1523	-0.1660	0.0649	-0.0566	-0.3818
0.4519	0.4706	-0.2650	0.7354	0.5327	0.6913	-0.1774
0.3013	-0.0708	-0.3829	0.1609	-0.4945	0.8427	0.5928
0.3990	0.5864	-0.0325	-0.1434	0.3996	-0.4536	0.0230
0.6472	0.6901	-0.1005	0.4648	0.4845	-0.0637	0.7690
0.2813	0.0452	0.3363	0.0419	-0.2974	-0.5832	-0.8813
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.8074	-0.2382	-0.6326	0.2520	-0.1659	0.8290	0.0477
0	0	0	0	0	0	0
0.0635	0.0587	-0.0997	-0.3557	0.5302	0.8982	0.8064
0.8459	0.4550	-0.3797	-0.0325	0.5247	0.4984	0.8002
0.3497	0.1364	-0.5972	-0.4275	0.8785	0.6575	0.0827
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0526	-0.1473	0.6259	-0.3548	0.8473	-0.0685	0.2520
0.8069	0.0320	-0.2169	-0.2482	0.4188	0.5109	0.3171
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.8634	-0.2214	-0.2768	0.5405	-0.6361	-0.1986	-0.5084
0.0067	-0.2974	1.0000	0	0	0	0
-0.7569	-0.1945	0.1692	-0.0396	-0.6555	-0.2844	-0.1341
0.4231	0.3816	0.0728	0.5682	0.1461	-0.0289	0.7396
0.3392	0.0185	-0.2076	-0.6594	0.8091	0.1447	0.1057
-0.1721	-0.3939	-0.3412	0.8718	-0.9963	-0.0195	-0.8536
-0.6675	-0.1652	0.1178	0.4911	0.3043	0.5018	-0.3160
0	0	0	0	0	0	0
0.4194	0.5561	0.7771	0.0659	0.9258	-0.1927	-0.5699
0.4792	0.4066	0.0680	0.1610	0.6562	-0.1116	0.1992
-0.0418	0.2538	-0.2212	-0.1262	0.2910	0.3084	-0.5932
0.2010	-0.2208	-0.6832	-0.4413	0.3885	0.5198	-0.7221
1.0000	0	0	0	0	0	0
0.1470	-0.3501	0.1925	-0.3884	-0.1721	-0.3284	-0.4073
-0.6697	-0.1137	0.2208	0.6000	-0.5991	-0.4775	-0.2869
-0.2945	-0.0935	0.5539	0.1341	0.5776	-0.4298	-0.3219
0	0	0	0	0	0	0
0.0192	0.1401	-0.1241	-0.5220	-0.1465	0.0639	0.0934
0.8222	-0.0374	0.4212	-0.8147	0.0536	-0.3527	-0.2681
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.7524	0.1570	0.0825	1.0000	0	0	0
0.3789	-0.4047	0.2523	-0.5284	0.3914	-0.2492	-0.2969
0	0	0	0	0	0	0
0.4432	0.2487	0.7049	0.1120	0.4798	-0.3088	-0.3168
-0.7309	-0.8560	-0.2463	-0.0495	-0.7780	0.1492	-0.8500
0.2825	0.9292	-0.1322	0.3175	0.4523	0.4084	0.0229
0.4160	0.1200	-0.1436	-0.3591	0.3727	0.4523	0.6347
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4602	-0.1281	-0.3787	-0.0608	0.6294	0.3229	0.0227
0.0508	-0.2061	0.4471	-0.3534	0.0344	0.0171	0.1131
0.6946	-0.0106	0.4515	-0.5688	0.9181	-0.5051	-0.3664

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0	0	0	0	0	0	0
0.3053	-0.1352	0.0524	-0.1714	0.5232	0.5470	-0.2202
0.1769	-0.1214	-0.0941	-0.1579	-0.1380	0.1729	0.6340
-0.0616	0.1640	-0.2305	-0.0182	-0.0702	0.2310	0.6337

Columns 36 through 42

-0.3258	-0.0759	0.7468	0.0329	0.3034	0.0394	0.7587
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.4548	-0.3204	-0.0119	-0.0098	0.3940	0.0750	-0.1868
0.0027	-0.1521	-0.2777	0.5026	0.2860	0.1797	0.1026
0.3409	0.4625	0.3122	-0.7191	-0.1404	-0.3094	1.0000
0	0	0	0	0	0	0
0.5098	-0.5392	0.5364	0.6160	-0.2496	0.2370	0.2629
0.2971	0.5677	1.0000	0	0	0	0
-0.2882	0.4181	-0.1505	-0.5621	0.0520	-0.4713	0.0372
-0.7553	0.4989	0.6761	0.3121	0.7951	0.1169	-0.0144
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.4165	-0.2021	-0.0857	0.4660	-0.3444	0.0487	-0.2947
-0.3005	-0.6051	0.7813	0.0095	0.7872	0.1421	0.3278
0	0	0	0	0	0	0
-0.2746	0.4255	0.8035	-0.4335	0.1221	-0.3596	0.8464
0	0	0	0	0	0	0
0.1829	-0.7236	0.0615	0.1316	-0.3403	0.2621	-0.0285
0.0283	0.2813	0.9480	-0.2538	0.9843	-0.0463	0.4053
-0.4473	0.1296	-0.1736	0.0738	0.5065	-0.0019	-0.1684
0.4330	-0.1197	0.3728	-0.2392	-0.1621	-0.4395	0.2485
0	0	0	0	0	0	0
0.0996	-0.3816	-0.3827	0.0334	0.3842	0.1341	-0.2375
0	0	0	0	0	0	0
0.0692	-0.3419	-0.3102	0.3246	0.2663	0.3723	-0.4157
-0.0487	1.0000	0	0	0	0	0
0	0	0	0	0	0	0
-0.0290	0.6907	0.7849	0.0454	-0.1841	-0.4420	0.6036
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2541	-0.6400	-0.7961	-0.1605	-0.2679	0.3434	-0.4703
0.1718	-0.0221	-0.1159	-0.0880	0.2549	-0.0926	-0.3433
0	0	0	0	0	0	0
-0.1851	-0.5419	-0.7553	0.3579	0.0607	0.3280	-0.4258
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.2105	-0.5018	-0.4885	0.3187	0.0577	0.2159	-0.3235
-0.0742	0.4434	0.6293	-0.5142	0.0129	-0.2802	-0.0524
-0.0197	0.0806	0.0181	0.4943	0.0323	-0.1047	-0.3640
-0.5070	0.1304	0.4927	-0.3450	0.6187	-0.5281	0.1679
0.2943	-0.3259	0.0764	0.4007	-0.1959	0.5274	-0.0197
0.1585	-0.0205	0.1534	-0.3135	0.4771	0.2948	0.3853
-0.8000	0.2115	0.4290	-0.5388	1.0000	0	0
-0.6149	0.3807	0.0673	-0.4386	0.0870	-0.3116	-0.2890

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0.0491	-0.1995	-0.3242	0.4186	-0.2239	0.6246	0.3131
0.2559	-0.8100	0.1060	0.5714	0.4074	1.0000	0
-0.4750	0.2784	0.0582	-0.3979	0.4299	-0.1172	0.1171
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0494	-0.2411	0.2840	1.0000	0	0	0
0	0	0	0	0	0	0
-0.2384	-0.6970	-0.4689	-0.5453	0.4691	-0.0731	-0.8729
-0.0883	0.1334	0.0380	0.5132	-0.5387	0.3887	-0.0206
-0.9370	0.7925	0.0499	0.3398	-0.8608	-0.3495	0.3225
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.2837	-0.4482	-0.4382	0.3068	-0.4872	0.3214	0.0458
-0.0022	0.5851	-0.0349	-0.4192	-0.5304	-0.4349	-0.1619
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3077	0.3751	0.2279	0.8068	-0.0199	0.0949	-0.1943
0	0	0	0	0	0	0
0.7597	-0.1655	0.2591	-0.1820	0.8267	-0.2561	-0.2897
0.0287	-0.2895	-0.3617	0.0980	-0.4359	0.2982	-0.1118
-0.1341	-0.4100	0.3215	0.5888	0.5686	0.3435	0.5580
-0.2288	0.6714	-0.0168	-0.0651	0.3165	0.1477	-0.1405
0.2848	-0.0865	0.8122	-0.0251	-0.2877	-0.3522	0.3515
0	0	0	0	0	0	0
-0.2320	0.4715	0.7562	-0.2886	-0.7430	-0.2860	0.1823
-0.3959	0.3601	-0.0112	-0.1176	-0.1114	-0.1270	-0.1166
-0.5971	0.4813	0.4525	-0.4153	0.9123	-0.0759	-0.1065
-0.7355	0.1264	0.5569	0.0683	0.4130	-0.0126	0.3101
0	0	0	0	0	0	0
0.0845	0.2778	0.2312	-0.7664	0.5338	-0.4928	-0.1684
1.0000	0	0	0	0	0	0
0.1626	0.1940	0.0088	0.2664	-0.3005	0.2490	0.2086
0	0	0	0	0	0	0
0.4246	-0.1802	0.3299	-0.4513	-0.1357	-0.1668	0.0780
0.5308	-0.1817	0.6286	-0.4981	-0.3669	0.0259	0.3295
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2146	-0.5343	0.3671	0.5416	-0.2983	0.1337	0.3101
0	0	0	0	0	0	0
0.0758	0.4674	0.8142	-0.7004	0.3822	-0.3227	0.4220
0.1377	0.3035	-0.3497	-0.1174	0.1826	-0.4661	0.2954
0.0465	0.3868	0.9184	-0.5667	0.4640	-0.1083	-0.4161
-0.2272	-0.0870	0.1820	0.5482	-0.3579	0.2554	-0.1098
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.4680	0.0560	0.0446	0.5847	0.4399	0.5096	0.5468
0.3618	-0.3195	-0.3354	-0.0219	0.1741	0.2683	0.1113
-0.2321	0.0660	0.1733	-0.1794	0.8807	0.1954	0.1724
0	0	0	0	0	0	0
-0.2886	0.7308	0.2849	0.0449	-0.1347	-0.0413	0.2314
0.4361	-0.3803	0.1506	-0.9573	0.4786	-0.3363	-0.4527
0.0110	-0.0614	-0.8426	-0.0465	0.2470	0.1390	-0.4702

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Columns 43 through 49

0.9833	0.0441	-0.0671	0.3994	-0.7681	0.2077	0.1903
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.5939	-0.0161	-0.2360	-0.8038	0.5676	0.3067	-0.2789
0.1240	0.0838	-0.3506	0.2055	-0.0002	0.0739	-0.1095
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.1040	-0.0143	0.0047	-0.1883	0.5797	-0.0522	0.6419
0	0	0	0	0	0	0
-0.1896	-0.2373	0.5228	0.5845	-0.3273	-0.1962	0.1842
0.2074	0.2029	-0.0525	-0.7591	0.3644	1.0000	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.9138	-0.2359	0.3882	-0.1041	0.6342	-0.0078	0.1382
0.4380	0.3802	-0.2772	-0.5602	-0.4531	0.6327	-0.5216
0	0	0	0	0	0	0
0.5330	-0.0032	0.4044	0.6146	-0.2174	-0.3654	0.5267
0	0	0	0	0	0	0
-0.5633	-0.3180	-0.3817	-0.4106	0.0969	0.3061	-0.0214
-0.1073	0.7054	-0.1032	-0.6640	1.0000	0	0
0.3434	-0.0648	0.3212	-0.2706	-0.3812	0.0865	0.0240
-0.2084	0.2225	-0.0391	-0.1331	-0.1175	-0.0174	0.1929
0	0	0	0	0	0	0
0.1072	0.1511	-0.1617	0.0548	0.2801	-0.0001	0.0002
0	0	0	0	0	0	0
-0.1920	0.0145	0.1773	0.2736	-0.0673	0.8570	-0.6041
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.5817	0.0833	0.5146	0.0589	-0.7212	0.3670	-0.0122
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.1818	-0.4061	-0.2022	0.2956	-0.6232	0.0938	-0.5753
-0.6886	0.0857	0.3037	0.1667	0.3921	0.0225	-0.1542
0	0	0	0	0	0	0
0.3045	-0.1287	0.5080	0.3059	0.1967	-0.4539	-0.1065
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0309	-0.0365	-0.2359	-0.3345	0.3951	-0.1957	-0.0672
-0.3259	0.0827	-0.0864	-0.0826	-0.1616	0.2823	-0.3622
-0.6182	0.0922	0.1128	-0.3010	0.4798	0.4438	-0.3821
0.6557	0.4507	-0.2242	0.0899	0.0733	-0.0293	0.4213
0.0702	-0.3008	-0.5634	0.5985	0.6291	-0.8011	-0.0121
0.0404	-0.0786	0.3938	0.4091	-0.0555	-0.3893	-0.2579
0	0	0	0	0	0	0
-0.1075	0.1084	-0.5050	0.2096	-0.0689	0.0270	-0.2902
0.1174	-0.3856	-0.5253	0.2147	0.3434	-0.6190	0.0269
0	0	0	0	0	0	0
0.1645	0.1141	-0.1738	-0.3075	-0.2550	0.6564	-0.0117
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.6047	0.1501	1.0000	0	0	0	0
-0.1471	-0.5085	0.1041	1.0000	0	0	0
-0.2852	-0.4201	0.2055	-0.2856	0.1675	-0.0526	0.5588
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.5358	-0.2467	-0.1965	-0.7234	0.4326	0.0492	-0.3456
-0.0314	-0.1600	0.7713	0.6043	-0.1604	-0.9783	0.3947
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.5603	0.0496	0.2756	0.5671	0.4565	-0.1389	0.3246
0	0	0	0	0	0	0
0.1635	1.0000	0	0	0	0	0
-0.3940	-0.0978	-0.4484	-0.1051	0.4546	-0.6018	0.3351
0.8171	0.4285	-0.3329	0.3966	-0.2977	0.7172	-0.4436
0.0217	-0.2993	-0.2626	-0.2148	0.6490	0.1030	-0.0358
-0.1681	0.1265	-0.1181	-0.6670	0.2038	-0.3762	1.0000
0	0	0	0	0	0	0
-0.1108	-0.4294	-0.1833	0.0932	-0.4775	0.1091	0.4560
-0.1691	-0.3961	0.1733	0.0775	-0.2119	0.6167	-0.0588
0.2134	0.2497	0.3157	0.0304	-0.0189	0.7659	-0.2378
0.1070	0.0764	0.1836	-0.3947	0.3775	0.3506	-0.0585
0	0	0	0	0	0	0
-0.5377	0.1926	-0.4781	0.0557	0.2676	0.6128	-0.5096
0	0	0	0	0	0	0
-0.0754	-0.2483	-0.1309	-0.4733	0.8549	-0.4836	0.5842
0	0	0	0	0	0	0
-0.3966	0.1912	-0.5497	0.4892	-0.2865	-0.1515	-0.7025
0.1863	0.0629	-0.1823	0.1382	0.0102	-0.7606	0.4485
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1538	0.0894	-0.1236	-0.6606	0.1858	-0.2217	0.7227
0	0	0	0	0	0	0
-0.3008	0.1694	0.2583	-0.2136	0.0901	0.3605	0.6449
-0.0065	0.1250	-0.1631	0.1167	0.0611	0.1681	-0.4660
-0.0688	0.2088	0.7008	0.4137	-0.2462	0.2758	0.1676
-0.2020	-0.1830	-0.1319	-0.0845	-0.0468	0.2587	-0.3012
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
0.6455	-0.0603	-0.1585	0.7928	-0.3225	-0.0478	-0.3505
0.2925	0.1598	-0.0185	0.0963	-0.0922	0.7827	-0.3952
0	0	0	0	0	0	0
0.5733	-0.2079	0.2442	0.3591	0.0043	-0.0231	0.3494
-0.7764	0.3888	-0.1359	0.3200	0.4939	-0.1001	-0.0048
-0.0076	-0.0460	0.9113	0.7177	-0.0569	-0.0264	-0.2193

Columns 50 through 56

0.4191	-0.2112	0.1806	0.3252	0.6853	-0.5521	-0.3280
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0.1558	-0.4380	-0.1451	0.1632	-0.2257	0.5943	0.4490
0.2872	-0.3621	-0.1140	0.1412	0.2938	0.3848	0.7353
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0871	1.0000	0	0	0	0	0
0	0	0	0	0	0	0
0.0455	-0.3323	-0.2113	-0.2770	0.6292	0.5025	-0.0236
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2735	-0.2841	-0.4495	-0.1237	0.2234	0.6881	0.3817
0.4867	0.2755	0.6913	0.3765	0.4255	-0.7279	-0.2311
0	0	0	0	0	0	0
0.6031	-0.8598	-0.2751	0.7258	0.4461	-0.4756	-0.4792
0	0	0	0	0	0	0
0.1333	0.2354	-0.4781	-0.3189	0.2818	0.2568	0.6206
0	0	0	0	0	0	0
-0.0268	-0.2308	-0.2118	-0.4113	-0.0458	0.1440	0.1105
0.1551	0.5250	0.2389	-0.1033	0.5381	0.3078	0.2869
0	0	0	0	0	0	0
-0.7589	0.3727	-0.0565	-0.4006	0.5057	0.1682	-0.5854
0	0	0	0	0	0	0
-0.1210	0.8300	-0.0970	-0.7404	0.7559	0.0716	0.5852
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0765	-0.0531	0.1775	0.2782	-0.1248	-0.5037	-0.1275
-0.1345	0.1110	-0.5670	-0.4512	0.7483	0.9133	0.2156
0	0	0	0	0	0	0
-0.4699	-0.2328	-0.0139	0.0457	-0.1120	-0.5585	-0.7880
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.1616	-0.3791	0.0597	0.6411	-0.3910	-0.9319	-0.0545
0.3876	-0.5871	-0.3294	-0.0410	0.0189	0.2704	0.4248
0.0732	-0.5629	-0.8566	-0.5626	-0.0753	0.9230	0.5305
0.7009	-0.4865	0.0749	1.0000	0	0	0
-0.1194	0.4931	0.2785	-0.0258	-0.5482	0.4581	0.0615
-0.2652	-0.4512	-0.3761	-0.2521	0.7079	0.0762	-0.6634
0	0	0	0	0	0	0
-0.2733	0.7811	1.0000	0	0	0	0
-0.4342	-0.1312	-0.4859	-0.6034	-0.2309	0.4614	-0.2950
0	0	0	0	0	0	0
0.3110	-0.2761	0.1407	0.4294	0.4618	-0.0169	0.4157
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.8716	-0.9762	-0.2075	0.3786	-0.5868	0.9724	0.2126

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0862	-0.2721	0.1404	0.2611	-0.8031	-0.1806	-0.2820
0.4973	-0.7932	-0.5661	-0.4686	-0.3335	1.0000	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.2959	0.4631	-0.0643	0.0501	0.2210	-0.5917	-0.7475
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1424	0.0230	0.3512	0.1741	-0.3032	-0.0834	0.1055
0.7929	0.0306	0.5698	0.4577	-0.1192	-0.0519	0.4657
-0.3487	0.5325	-0.1055	0.0672	-0.2894	0.1445	0.2532
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.6230	-0.2638	-0.0108	0.3655	-0.2727	0.1583	0.3265
0.4981	0.1916	-0.1646	-0.2384	0.1180	0.1578	0.4852
0.5080	0.3479	-0.0652	-0.0010	-0.0856	-0.0017	0.5618
0.1601	0.4973	0.4053	0.1615	0.1493	-0.7332	0.0416
0	0	0	0	0	0	0
0.4181	0.3563	0.2685	0.1823	0.0080	0.6257	0.4038
0	0	0	0	0	0	0
-0.4009	0.7257	-0.0134	-0.0656	-0.4477	-0.1991	-0.4833
0	0	0	0	0	0	0
0.5951	-0.0775	-0.0770	0.1571	-0.3712	-0.0313	1.0000
-0.1961	0.2691	0.0269	0.2311	-0.1301	0.0105	-0.4663
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1119	-0.2829	0.1264	-0.0412	0.3417	0.6980	-0.3360
0	0	0	0	0	0	0
0.3294	0.4815	-0.3919	0.0043	0.6465	0.8633	0.4208
-0.0274	-0.4649	-0.2860	0.0816	0.0260	0.2611	0.3258
-0.3725	0.1228	-0.3100	-0.5440	1.0000	0	0
0.1834	0.3248	0.2676	-0.0828	0.2152	-0.1044	0.0624
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.7184	0.0501	-0.2625	-0.0753	-0.0555	-0.6537	-0.4566
0.0444	0.1472	-0.0215	-0.3273	0.2818	0.2890	0.1975
0	0	0	0	0	0	0
0.0228	0.2956	0.0344	0.3031	-0.3108	-0.6127	-0.4494
-0.0678	0.5187	0.4466	0.6331	0.1213	-0.0648	0.3077
-0.3959	-0.4134	-0.2396	-0.2920	0.2664	0.4022	-0.1859

Columns 57 through 63

0.4243	0.3401	0.0952	-0.6710	-0.2623	0.2230	-0.0137
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.6379	0.3187	0.4867	-0.0999	0.5744	0.7113	-0.9587
0.1579	-0.2500	0.3361	-0.1486	0.9540	-0.5867	-0.8308
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0.3579	-0.8103	0.1939	-0.5920	0.7506	-0.1594	-0.1609
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0702	-0.0767	0.6268	-0.3074	0.8181	0.5206	-0.6067
0.2352	0.5628	0.6722	-0.5816	0.2930	0.6427	0.2466
0	0	0	0	0	0	0
0.2227	-0.3827	0.1013	-0.7086	-0.2707	0.6816	-0.9503
0	0	0	0	0	0	0
0.5909	0.2465	0.1140	0.0931	1.0000	0	0
0	0	0	0	0	0	0
-0.0939	0.0331	-0.7828	0.3680	-0.0003	0.5095	-0.0661
0.1110	0.1681	0.5286	-0.5416	0.9704	-0.1006	-0.1022
0	0	0	0	0	0	0
0.7166	-0.3649	0.3483	-0.2266	-0.3957	-0.8222	0.2704
0	0	0	0	0	0	0
0.5313	-0.0701	-0.1949	0.4256	0.2083	-0.9912	-0.0969
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.6374	0.4468	0.0233	-0.1952	-0.1920	-0.7112	1.0000
0.7571	-0.6129	0.9435	-0.4662	0.9087	-0.1020	-0.2751
0	0	0	0	0	0	0
0.5541	0.0849	-0.7596	0.3142	-0.9268	-0.4487	0.2125
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.6627	-0.3791	-0.7177	0.1064	-0.2167	-0.0515	-0.5426
-0.0144	0.9808	0.4162	0.1962	-0.4390	-0.4718	0.1417
-0.0434	-0.3011	0.5162	-0.1415	0.3719	-0.0293	-0.0775
0	0	0	0	0	0	0
-0.4542	0.2071	-0.1129	0.1729	-0.2068	1.0000	0
0.3505	-0.1309	0.4881	-0.5903	0.0797	0.4670	0.3433
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.4576	0.5689	0.2973	0.1724	0.3785	0.0632	-0.2015
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.9863	0.0411	0.5280	0.0152	0.6175	0.6665	-0.4211
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.1307	0.5938	0.1707	0.1365	-0.7994	-0.0637	0.4984
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0.2332	-0.0073	-0.1989	0.4875	-0.3962	0.7587	-0.5834
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4437	0.2085	-0.4189	0.4717	0.3268	0.0592	0.0236
-0.6000	1.0000	0	0	0	0	0
-0.0127	0.4750	-0.2109	1.0000	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.3769	0.8291	-0.1102	0.4530	-0.2036	0.4773	-0.5032
-0.0192	-0.3854	-0.1280	-0.1236	0.0178	0.0598	-0.4698
-0.5357	0.3655	-0.2932	0.6749	-0.1026	0.0564	-0.3330
-0.1611	-0.1890	-0.2073	0.1435	-0.1036	0.4963	-0.6697
0	0	0	0	0	0	0
-0.2902	0.2455	1.0000	0	0	0	0
0	0	0	0	0	0	0
0.3556	-0.2233	-0.1705	0.3098	0.0260	0.9884	0.3888
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2177	0.4026	0.1108	-0.1672	-0.3362	-0.1877	0.8278
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.7778	0.3104	0.7038	-0.5433	0.6167	0.9977	-0.1539
0	0	0	0	0	0	0
-0.4145	-0.3429	0.4771	-0.1134	0.6629	0.2842	-0.1945
0.0270	0.2761	0.0222	0.3021	0.2100	-0.1599	0.0656
0	0	0	0	0	0	0
0.3277	-0.8764	0.5980	-0.5161	-0.3318	-0.8329	0.1328
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.8952	0.1119	-0.6319	-0.0164	-0.9211	-0.6815	0.5062
0.0902	0.5168	0.4994	-0.1209	-0.4138	-0.9837	0.3715
0	0	0	0	0	0	0
0.2473	0.4507	-0.4685	0.2969	-0.9979	0.1643	0.6747
0.5510	0.2285	-0.1108	0.0474	0.2906	-0.8320	0.3122
-0.1581	-0.0919	0.1181	-0.1308	-0.2876	-0.8142	-0.1455

Columns 64 through 70

0.1969	0.0893	0.1952	0.5144	0.6921	-0.1282	0.1830
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4925	-0.1767	-0.0336	0.2594	0.2427	0.4388	-0.0799
-0.2083	-0.3360	-0.3568	-0.0187	0.7129	0.9096	0.0183
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.5885	-0.1440	0.3174	0.0266	0.1129	0.1091	-0.0002
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0.1292	0.0926	0.0296	-0.0041	0.0085	-0.0390	-0.2983
0.3436	0.7814	0.0213	0.2721	-0.3228	0.5773	-0.6437
0	0	0	0	0	0	0
0.7485	0.0582	-0.4538	-0.0156	1.0000	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.2923	-0.7076	0.5887	1.0000	0	0	0
0.2720	-0.3395	-0.4656	-0.1063	0.6535	0.3837	-0.1358
0	0	0	0	0	0	0
-0.4618	-0.1253	0.0675	-0.4013	0.2217	-0.8705	0.4836
0	0	0	0	0	0	0
-0.7330	-0.9085	0.4295	0.2476	0.8396	-0.4836	1.0000
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.1129	0.1044	0.1409	-0.4825	-0.1874	-0.1762	-0.1717
0	0	0	0	0	0	0
0.1019	0.1687	-0.2256	0.0871	-0.0713	-0.2018	0.5513
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1715	0.7466	-0.6231	0.1263	0.2964	0.9632	0.3570
0.5477	-0.7436	-0.3467	0.2562	0.0938	0.0396	-0.0838
-0.1814	-0.0706	0.2314	-0.5285	-0.4265	-0.8412	0.0239
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1339	-0.5105	-0.2416	0.4298	0.1376	0.0949	-0.4349
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1374	-0.4079	-0.2744	0.4169	0.4124	0.8922	-0.3885
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4471	0.0891	-0.1576	-0.6276	-0.1901	-0.4488	-0.4005
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3134	0.1267	-0.0625	0.4743	-0.4075	-0.2729	0.0506
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2522	1.0000	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0931	0.2026	0.1207	0.4539	-0.3417	1.0000	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
-0.2688	-0.5349	0.2095	0.1975	0.7538	-0.1174	0.4248
0.1638	-0.8639	-0.0213	-0.1204	0.6474	-0.0817	0.0889
0.0630	-0.0055	-0.3843	0.9634	0.8995	0.5626	0.4199
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0600	0.7970	0.0528	0.1115	-0.5970	-0.1552	-0.2613
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.5065	0.1076	-0.5304	-0.6508	-0.0972	0.1498	-0.5623
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0309	0.1625	-0.1141	0.4220	-0.2654	0.4776	-0.4526
0	0	0	0	0	0	0
-0.4099	-0.6704	1.0000	0	0	0	0
0.1002	-0.3236	0.4142	-0.1027	-0.7130	-0.0896	-0.3673
0	0	0	0	0	0	0
-0.4535	-0.1877	-0.1794	-0.4433	0.3885	-0.4697	0.5797
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0907	0.2319	-0.0777	-0.1011	-0.1687	-0.6859	0.1071
0.1526	-0.6953	-0.6089	-0.2724	0.9958	-0.4419	0.2026
0	0	0	0	0	0	0
0.4566	0.2150	-0.2991	0.0015	-0.0483	-0.5759	-0.2631
0.1263	-0.3156	-0.0745	-0.4656	-0.0568	0.4874	-0.1099
-0.0923	-0.6998	-0.1471	-0.2383	0.6912	-0.9116	0.4774

Columns 71 through 77

-0.6688	1.0000	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0678	0.2483	0.1412	-0.1183	-0.1641	0.6141	0.0327
0.9045	-0.1327	0.4819	-0.4882	-0.0611	0.7532	-0.0474
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.1889	0.0013	0.3388	0.3525	1.0000	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.2710	0.4286	0.1518	-0.0778	0.0780	0.6062	0.1273
-0.3290	0.7971	-0.0398	-0.3027	-0.1989	0.1006	-0.1148
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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[illegible]

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-0.0921	0.3474	0.0304	-0.0566	0.2189	-0.2184	-0.2153
0.8729	-0.2129	0.1778	-0.0176	-0.1577	-0.6442	0.3070
-0.5501	0.0041	0.2400	0.5006	0.5205	-0.5175	0.0659
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.8483	0.5899	0.2274	0.6976	-0.6371	-0.2514	0.5980
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.2617	0.4594	0.2349	0.0392	0.1257	0.1170	1.0000
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0212	-0.5989	0.1329	0.7885	-0.2253	0.1184	-0.3308
0	0	0	0	0	0	0
-0.3642	0.1630	-0.4682	-0.8571	-0.3331	0.9445	0.3772
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.4428	-0.6848	-0.2929	0.9068	0.1885	-0.6663	-0.1556
0.5056	0.0627	0.3938	0.4263	0.0596	-0.8992	0.0521
0	0	0	0	0	0	0
0.0082	0.3861	0.0178	0.0675	-0.8652	-0.1738	-0.2614
0.8840	-0.5802	0.3247	-0.3639	0.7957	-0.6901	-0.4860
0.2267	-0.3279	0.0286	-0.4231	0.4657	-0.7093	0.1666

Columns 78 through 84

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3640	-0.2108	0.0386	-0.0598	-0.0913	-0.1611	0.0068
1.0000	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.3558	-0.0381	-0.1107	0.2924	-0.0637	0.3764	-0.1435
-0.5521	0.4135	0.2398	-0.2881	-0.2240	-0.9195	0.3336
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4471	0.5784	0.1169	-0.0869	-0.2981	-0.2886	0.0123
0	0	0	0	0	0	0
0.0816	-0.0289	0.1776	-0.0390	0.2491	-0.3074	-0.3324
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4358	-0.1925	1.0000	0	0	0	0
0	0	0	0	0	0	0
0.2787	1.0000	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1464	0.9091	-0.0285	-0.7817	-0.0467	-0.8353	-0.0745
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4462	-0.0142	-0.4250	-0.5203	-0.0698	-0.0782	-0.0696
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4801	0.3904	-0.7890	0.0755	0.3358	1.0000	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0344	0.3994	0.1137	-0.3745	0.4054	-0.2669	-0.9276
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.2859	0.5356	0.2224	-0.3685	0.3139	0.5253	1.0000
0.0793	-0.1208	-0.4541	0.1463	0.8040	0.2151	0.4302
-0.4439	-0.3855	0.1506	-0.3875	0.5782	-0.3989	-0.3352
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0.2054	0.9526	-0.8441	-0.7640	0.0680	-0.0422	-0.0535
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.2580	0.2000	-0.2823	0.0133	0.2498	-0.9075	-0.1357
0	0	0	0	0	0	0
0.6758	0.6896	0.3187	-0.1819	-0.4840	0.0471	-0.1283
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.7171	0.1240	0.3367	0.2121	-0.0811	-0.4854	0.8790
-0.3027	-0.4441	-0.5423	0.0734	0.3552	0.8632	0.3350
0	0	0	0	0	0	0
-0.3344	0.6949	-0.1074	-0.4025	-0.2346	-0.0727	0.6686
-0.2473	-0.6088	0.3579	0.8150	1.0000	0	0
-0.7664	-0.9179	0.1245	1.0000	0	0	0

Columns 85 through 91

[illegible]

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.0592	0.0200	-0.7108	0.8190	0.3554	0.0843	-0.9345
0	0	0	0	0	0	0
0.7764	-0.1161	-0.3311	0.7534	0.3260	-0.8247	0.4744
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1.0000	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.5809	0.5703	-0.8930	1.0000	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0055	-0.3119	-0.0741	-0.1233	-0.0826	0.7294	0.7654
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.4596	0.2026	-0.1421	0.1029	-0.3507	-0.1165	1.0000
0.7150	-0.5397	-0.4519	0.4064	-0.0284	0.2792	0.8304
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0264	0.0855	-0.5472	0.7883	1.0000	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.8577	0.0000	0.1695	0.1517	-0.3041	-0.4957	-0.2901
0	0	0	0	0	0	0
-0.5438	-0.2786	-0.2298	-0.7469	0.1940	1.0000	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.6675	0.0741	1.0000	0	0	0	0
0.0914	-0.5191	0.5349	-0.5757	-0.4587	-0.3647	-0.2759
0	0	0	0	0	0	0
0.4581	1.0000	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Columns 92 through 98

0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0.1576	-0.3595	0.7753	0.1810	1.0000	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.0389	0.1207	0.5720	-0.2510	0.1318	-0.3240	0.7066
-0.8538	0.8463	1.0000	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
-0.4213	0.4906	0.6149	-0.6070	0.1018	1.0000	0

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Columns 99 through 100

165









[illegible][illegible]

[illegible]



Columns 22 through 28

0.5104      0.3089      0.4693      0.0033      0.9876      0.2455      0.3312

[illegible]



[illegible]





[illegible]



[illegible]



[illegible]



[illegible]





[illegible]

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Columns 71 through 77

0.0951	0.6325	0.4889	0.6623	0.7367	0.3163	0.6121
0.7381	0.9487	0.3952	0.3232	0.0533	0.5098	0.7155
0.7321	0.5274	0.8108	-0.0611	-0.0291	0.3767	0.2992
-0.0298	0.2580	0.5038	0.0930	0.4260	0.5593	0.1776
0.5358	0.8769	-0.1271	-0.2475	-0.4379	0.3951	0.0839
0.1180	-0.7820	-0.6603	0.5038	0.3928	-0.2516	-0.2402
0.1882	0.7336	-0.2209	-0.3478	-0.9178	-0.1674	-0.4450
-0.2736	-1.2279	0.2076	0.7100	0.9774	0.2161	0.3526
-0.2407	0.2244	-0.0496	-0.1723	-0.7767	-0.0519	0.1901
0.7564	0.2086	-0.6057	0.4734	0.0964	-0.2517	-0.4057
-0.2275	-0.2043	0.7791	-0.1801	0.1580	0.7245	1.1145
0.8208	0.3020	0.3105	0.0909	-0.5616	-0.0731	-0.3026
-0.7320	-0.4794	-0.7024	-0.0802	0.6659	-0.4567	0.1732
-0.5402	-1.4392	0.7455	0.4531	0.1046	0.8187	0.0888
0.7450	0.7260	-0.9118	-0.9264	0.1398	-0.0322	0.8296
0.1078	0.5190	0.5390	-0.3630	-0.9069	-0.7458	-0.9431
-0.4962	-0.3503	0.6501	0.1532	-0.2712	0.6976	0.0825
-0.5108	-0.0246	0.5146	0.1190	0.3521	0.3880	-0.0972
0.6627	1.4854	-0.4115	-0.7632	-0.3946	-0.8057	-0.7625
-0.7113	-0.9755	-0.0201	0.2266	-0.4059	0.1731	0.1900
0.3340	0.0174	-0.9198	-0.1258	0.4948	-0.4676	0.2795
-0.4563	-0.3587	0.3674	-0.1936	-0.1951	-0.1853	-0.3819
0.2066	-0.6545	-0.8051	0.9554	1.7398	-0.0550	0.3699
-0.2086	0.0109	0.5056	-0.0053	-0.1479	0.4677	-0.2995
-1.4163	-1.6309	-0.1703	-0.0385	-0.8033	0.6705	0.1273
1.1368	2.2074	-0.9382	-0.7941	-0.2295	-1.0491	-0.7455
0.2115	0.5963	-0.6297	0.4164	0.1537	0.1573	0.7708
-0.0451	0.2352	-0.2418	1.2651	-0.8006	-0.3593	-0.6249
0.6967	0.7272	-0.1961	0.0980	0.4936	0.8851	0.0678
-0.0761	0.7747	-0.2740	0.3035	1.6378	-0.0060	-0.5718
-0.1627	-0.9524	1.1234	0.2358	1.8128	0.9567	-1.3316
-0.0315	0.0719	-0.0650	0.0383	-1.1764	0.9952	-0.2378
0.5722	0.2997	-0.7205	-0.6986	-1.5669	-1.8644	-0.3059
1.1843	1.4250	-0.7327	-0.0636	1.0083	0.0488	-1.5307
-0.3988	-1.5747	0.3404	0.4969	0.5177	-0.1438	0.8081
0.9482	0.7115	-0.5586	0.3360	-0.0572	-1.3160	-0.9677

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Columns 78 through 84

0.7931	0.1287	0.7371	0.8797	0.3384	0.2229	0.9333
0.1799	0.2937	0.5626	0.2218	0.1676	0.6489	0.0032
0.5322	0.2091	0.8276	0.6840	0.8882	0.4257	-0.2466
-0.1369	0.5168	-0.4005	-0.2575	-0.2756	0.2576	0.4360
-0.8875	0.3515	0.1124	-0.5933	0.0165	0.3493	-0.4888
0.2328	-0.0973	-0.1852	0.3314	-0.0911	0.3703	0.1483
-1.2881	0.5044	-0.4930	-0.9443	0.2024	0.3635	-0.4042
1.5904	-0.3502	0.1755	0.6836	-0.2149	0.6149	0.9887
-0.1348	0.0633	0.2237	0.3139	0.4305	-0.0408	0.0263
0.2532	0.0809	0.7887	0.8221	1.1023	-0.3167	-0.5111
0.6732	-0.2245	0.3965	0.4738	0.0385	0.3701	-0.0456
0.4702	0.0309	0.3999	0.0416	0.9661	-0.2719	-0.9808
-1.3046	0.1490	-0.9149	-0.7327	-0.9868	0.0791	0.6759
1.6366	0.2461	-0.5159	0.7793	-0.4317	0.0742	0.6309
-0.7886	-0.6636	0.8537	-0.0470	0.6182	-0.3249	-1.1359
0.0933	0.8237	-0.4563	-0.9952	0.6133	0.0413	0.0982
0.4409	0.3272	0.0210	0.6506	0.0715	0.5703	0.9824
1.1258	-0.3544	-0.2564	-0.5107	-0.3725	0.2862	0.3733
0.2935	0.1967	-0.0432	-0.9511	0.4238	0.7847	0.0308
-1.0747	0.7333	-0.6129	-0.3299	-0.5602	-0.7508	0.3164
-0.4258	0.3354	0.2869	0.2593	0.4951	-0.6076	0.6429
-1.2048	0.9329	-1.5091	-1.5202	-1.0289	0.6370	-0.3955
0.2496	0.4234	-0.3542	0.3051	-1.0664	0.3425	1.5776
0.3074	0.4008	-0.3429	0.2179	0.2549	0.6068	0.2520
1.8574	-0.5077	-0.2961	0.7560	-0.2135	-0.3262	0.3880
-1.3246	0.0846	0.7679	-0.0987	1.5452	-0.3511	-1.5645
-0.9658	-0.8379	0.1225	0.4807	-0.5951	0.2606	0.6544
-0.1322	-0.1862	-0.3461	0.0736	-0.3880	0.2156	0.2033
1.0589	-0.7173	1.4414	0.0423	0.0934	-0.1851	-0.1747
-0.5226	0.7819	-0.6561	-0.7197	-0.1074	0.2947	0.0454
1.0768	0.6523	-0.9729	0.0814	-0.2928	0.8256	0.5167
0.5217	-0.4414	0.8085	-0.1606	0.6624	0.3296	-1.2431
-1.0195	-0.1900	-0.2711	-0.5029	0.5797	-0.6075	-0.8468
-1.5645	-0.0255	0.5969	-0.1876	1.2676	0.4551	-0.6327
2.7080	-0.8241	-0.1313	1.6158	-0.0894	0.0325	0.8755
-0.7424	-0.5613	0.5385	-0.5485	0.4412	-1.0041	-0.1370
-0.5127	-0.4140	0.7259	0.6249	1.5729	-0.0792	-0.2294
0.4723	-0.2310	-0.7479	0.8192	-1.0863	0.4799	0.2686
0.3978	0.5330	-0.4491	-0.3275	0.2104	0.2709	-0.2967
1.2403	-0.2691	-0.2366	-0.5073	-1.3068	-1.0895	1.3790
-2.2726	0.2362	0.9894	0.6696	1.2338	1.3601	-0.7963

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0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	0

Columns 85 through 91

0.2028	0.6254	0.5677	0.5520	0.1477	0.4364	0.6235
0.2284	0.1722	0.3573	0.1856	0.1142	0.3263	0.4222
0.5505	0.0761	0.3957	0.6329	0.0849	0.2930	0.1954
-0.1454	0.4480	-0.1338	-0.1373	0.6366	0.1159	0.6802
0.0173	-0.1337	0.3822	-0.1855	0.9171	-0.0362	0.3675
-0.2421	0.1183	-0.2203	0.0361	-0.3595	0.1211	-0.2453
0.6802	0.0625	0.0325	-0.3083	0.4572	-0.2247	-0.1197
0.5826	0.5093	-0.2447	0.9204	-0.5932	0.7418	0.1726
0.4579	-0.2489	0.3562	-0.1126	0.3748	0.0922	-0.4001
0.2970	-0.4147	0.9524	-0.3303	0.3065	0.0629	0.2038
-0.6227	0.3082	-0.3070	0.6066	0.3410	-0.1306	0.4985
0.1675	-0.1372	0.7137	-0.1124	0.1934	-0.0964	0.6305
-0.6727	0.4945	-1.1337	-0.0526	0.8693	-0.1815	0.0916
0.3228	-0.1903	0.5140	-0.0793	-1.2989	0.4681	-0.5869
-0.0885	-0.4283	0.2906	0.4894	1.8544	-0.2528	0.7078
0.7854	-0.4081	0.0757	-0.8665	-0.8196	-0.0151	-0.6009
0.2847	0.2404	0.3674	-0.0352	-0.6088	0.0464	-0.7160
0.1351	-0.0031	-1.0643	1.1306	0.0903	0.0487	-0.2195
1.1419	-0.3917	-0.1260	0.4726	0.3541	-0.1272	-0.1229
-0.8301	-0.0531	0.4274	-0.9358	-0.7446	0.2693	-0.9123
1.1995	-0.5019	0.9373	-0.5238	0.1291	-0.2908	-0.1886
-1.4335	0.7135	-0.5241	-0.5885	-0.4444	0.6012	0.0564
0.9088	-0.4468	-0.5600	0.8141	0.0573	-0.2958	-0.8464
-0.9407	0.3056	-0.4337	0.4006	-0.7716	-0.6062	0.1064
1.6324	0.4224	0.0587	0.2483	-0.4029	0.7965	-1.0287
-1.2200	-0.7284	0.2206	0.3511	1.1726	-1.0900	0.5882
1.4414	0.0395	0.3885	0.9620	0.5307	0.5314	-0.8400
-0.6395	-0.0051	-0.3214	0.3094	-0.7371	0.1018	-1.0643
1.3327	-0.7627	-1.2196	0.7790	1.4237	-0.6304	-0.1593
-0.1023	-0.3800	-1.3867	-0.0727	0.4800	0.1354	-0.0357
-1.6997	-0.1937	-0.8011	-0.6849	-0.8548	0.3562	0.0299
-0.8757	0.1326	-0.6046	0.5106	0.5196	-0.3708	0.5910
0.2787	0.5517	0.5734	-0.9769	-0.2330	-0.1997	0.0374
-0.3607	0.1870	0.3610	-0.4212	0.8014	0.2062	0.0847
0.5971	-0.5717	0.8131	0.3266	-1.2841	-0.1757	-0.3219
0.5434	0.0585	0.8986	-1.1561	0.5876	-0.0953	-0.1648
0.5305	-0.1504	1.4897	-0.4342	0.1786	-0.1932	0.2835
-0.5230	0.6377	-0.6403	1.5368	-0.2213	0.9331	-1.2337
1.1436	-0.4920	-0.7549	0.2210	-0.4458	-0.4632	0.0680
2.2442	-0.9560	1.2364	0.0929	0.1466	-0.3710	-0.0196
-3.1338	0.7768	0.9268	-0.2719	0.7394	0.5045	0.7153
0.2051	-0.3528	-0.3702	1.1661	-0.6204	-0.3826	0.2970
-0.7021	1.1823	-0.3939	-1.4093	0.3824	0.6682	0.3200
-2.7619	0.5122	-1.6017	0.8664	-0.7423	-0.5696	-0.0898
-0.0783	0.6785	-1.0415	1.7908	0.7316	0.7403	-0.1958
-1.5174	0.2063	-0.5784	1.2556	-0.1034	-0.1203	0.4729

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Columns 92 through 98

0.6671	0.1592	0.2250	0.7913	0.7145	0.5220	0.5359
0.4243	0.0575	0.0817	0.1919	0.8648	0.8395	0.3223
0.7404	0.0373	0.0456	0.4982	0.9127	0.2915	0.2986
-0.3756	0.7777	0.9032	-0.2512	-0.4465	-0.1506	0.2266
-0.4355	0.9231	0.8346	-0.4000	0.0479	0.4812	0.1674
-0.0544	-0.2257	-0.9696	-0.3305	-0.1852	0.4829	0.0433
-0.0669	1.1543	0.9071	-1.0492	-0.4976	0.8162	0.3891
0.6659	-0.1164	-1.1559	0.3227	-0.2998	0.2408	0.2648
0.2096	0.9160	0.8713	0.3135	-0.1697	0.1914	0.3613
-0.1432	-0.1664	0.1634	0.1236	0.4334	0.1148	0.0942
-0.5075	-0.1934	0.4406	0.4027	0.7579	-0.2030	0.2885
-0.1292	-1.0649	0.4664	0.2216	0.8861	0.1031	-0.3134
-0.9047	1.0700	0.4115	-0.3919	-1.3652	-0.2692	0.3612
0.8145	-0.5828	-0.2325	0.0635	-0.3485	-0.5064	-0.7646
-1.3523	0.6758	0.8661	1.3785	0.2176	-0.1404	0.2511
1.8392	0.3196	-0.7418	-1.1459	0.0893	0.7575	0.0407
0.6072	0.3730	0.2204	-1.2013	-0.5571	-0.5464	0.4822
0.4018	-0.6030	-0.4458	-0.3914	0.3884	0.4662	0.5731
1.5813	0.3766	-1.0060	-0.4420	0.4051	1.3175	0.5871
-0.0862	0.6496	0.1376	-0.2635	-1.5298	-1.0816	-0.6439
0.2709	1.0704	-0.4110	-0.0283	-0.9145	-0.1413	-0.4862
-0.3120	-0.1519	0.4903	-0.8716	-0.1800	0.1581	0.0759
0.2116	0.2411	-0.7774	0.1086	-1.1121	-0.4445	-0.7932
0.6711	-1.2491	-0.5127	0.0011	0.7782	0.0447	-0.5826
0.4465	0.5252	-0.6981	-0.7336	-1.0369	1.3488	0.7554
0.0454	-0.6547	0.2528	2.2619	2.2167	0.3720	-0.4663
-0.2684	0.6192	0.3358	0.3847	0.0507	0.1956	0.1627
0.7673	-1.0835	-0.8734	-0.0441	0.7820	0.4536	-0.2590
-0.5675	0.0562	0.0183	-0.6775	-0.0548	0.2804	0.9657
0.0411	-0.2552	0.4393	0.4956	-0.0883	-0.5243	-0.1884
-0.2049	-1.9728	0.7120	-0.1622	0.6387	-0.8895	-0.2086
0.3743	-1.2483	-0.5172	0.1731	0.9928	1.0352	0.6854
0.4093	1.0212	-0.0657	-0.2802	-0.4134	0.5502	0.4485
-0.2277	-1.1311	1.0458	0.8017	1.9321	0.0303	0.2635
0.0029	-0.3864	-1.3244	0.1946	-0.2690	0.4133	0.1919
0.0032	0.1330	0.0515	-1.1132	-0.1425	-0.0352	0.1972
-0.4675	0.8254	1.2713	-0.1352	1.0127	-0.8600	0.2878
0.4650	-1.3504	-0.8525	1.2920	0.1129	0.2880	0.2170
-0.3042	0.1337	0.1782	-1.7410	-0.2106	-0.6577	0.2458
-1.5010	1.7939	0.3951	-1.4343	-1.2634	-1.1288	-0.2864
0.7991	-0.3187	0.7365	1.7519	3.9415	-0.2412	-0.7129
0.3791	-0.3838	-1.5167	-1.0234	-0.4787	-0.5005	-0.4329
-0.0279	-0.4992	-0.6057	1.2634	-0.5805	0.1954	0.3894
2.0587	-1.6642	0.9664	1.3313	2.5774	0.2770	0.1013
0.2479	0.1643	-1.3413	-0.0324	-0.3497	-1.2111	0.5477
0.0114	-0.2266	0.9111	1.9592	0.2718	-0.6034	-0.1593
-0.1278	-0.8783	0.1912	1.2292	-0.3679	-1.3451	-0.6814
0.4468	-1.7972	0.0635	1.4696	0.1881	0.1729	-0.2041
0.0790	0.5552	1.0781	0.6669	0.6634	-0.5097	-1.1979
-0.2436	0.8961	0.6231	0.4102	1.3154	0.5093	-1.8267
0.5188	-0.9304	0.0980	-0.6944	1.2730	0.2974	1.4117



-0.0884	1.5980	-0.4050	-0.8259	-0.7072	-1.2546	-1.8543
0.7482	-0.5191	-1.1265	-2.1760	-0.2246	-0.1132	1.5829
-0.8510	1.9487	-0.9689	-2.6297	0.6364	0.9869	-1.3819
1.9300	-2.2551	-2.5427	-2.9039	1.1290	0.6163	0.3209
-1.7007	1.0292	-0.1136	-0.4191	-0.6163	-0.9725	-0.4070
-0.5797	-0.7313	0.0743	0.2352	0.0981	-1.0103	-1.3178
-0.1781	-1.1215	0.9615	-0.5985	0.4349	-0.3030	0.6852
-1.0545	1.8567	1.4617	2.5880	0.1167	-1.4595	-0.8704
0.7574	2.3610	-0.7474	0.9093	-0.7608	0.7587	-1.5757
1.3321	0.9123	0.2930	1.3353	-0.3919	-0.8945	1.5309
-0.8094	0.2404	0.4264	0.3648	-0.6711	0.0206	-0.7503
0.5767	1.2127	-0.9109	-0.0725	-0.9065	0.6139	-0.3410
0.3123	1.7519	-1.6187	0.4272	0.1482	-0.5918	0.5048
0.7207	-1.1923	-1.9546	-2.6216	0.2925	0.5661	1.4705
-0.3285	-0.8850	-0.6843	0.0346	-1.0333	-0.4159	-0.1636
1.8063	-0.1822	-0.4374	-0.3427	1.8105	-1.0811	1.4226
1.6833	-0.4395	-0.5703	-2.1571	-1.6347	0.3908	0.5139
-0.8052	-1.3166	-0.3454	0.3357	-0.5739	0.8259	0.4386
-0.3847	-0.1264	-1.0197	0.4398	0.0869	0.2003	1.6210
-0.5143	-0.0995	0.1725	0.7597	0.4702	-0.8033	0.8311
-1.0736	0.1685	0.7885	1.8797	0.2092	-0.3270	0.6275
-0.6903	-0.5868	-0.3893	0.6755	0.0651	1.1134	-1.2363
-0.9532	-0.1733	0.0100	1.9391	0.8304	0.1221	1.6577
1.8353	0.3557	0.7619	0.7431	-0.5454	-0.5502	0.1599
0.7347	-0.1851	-1.6792	-1.5989	-1.9924	-0.2180	0.7628
-1.6498	0.1992	0.7149	1.1068	-0.7844	-0.1499	-0.0767
-0.6018	0.7279	1.9938	3.2714	2.0230	0.5666	-0.4579
1.3039	-0.3912	-0.0680	-0.6142	0.6694	0.7788	0.5180
-1.4570	1.2390	1.4051	2.1629	1.5454	-0.0768	-1.1535
-0.8563	-2.2113	0.1633	1.4013	0.9446	2.5684	0.8936
0.1967	1.7404	-0.8389	-2.4028	-0.9661	-0.0011	0.9171
0.2662	-1.0481	1.1247	-0.6318	0.0917	-0.9869	-0.0155
-0.7576	-1.7793	-1.9772	0.4394	-0.3382	0.9085	-0.1851
-1.1500	-3.3097	2.8227	1.4330	-0.4669	1.1597	0.0838
1.3513	1.1078	0.5230	0.0844	-0.4537	-1.4920	0.6006
1.4193	4.4289	0.2993	-1.1998	0.0031	-2.7147	-0.6510
1.2253	3.6833	-1.7648	-1.8963	0.2792	-1.1625	-2.3324
-0.2617	-1.3643	1.9071	1.1509	0.2025	1.0378	0.5411
0.7836	1.3195	-0.9535	-0.7896	0.4114	-1.1572	0.6314
1.2792	0.3015	-1.8001	-2.4480	1.4679	-0.8934	0.1036
-3.0314	-3.7374	2.6758	6.8544	-1.9464	2.1430	-1.0063
0	-1.9040	-0.0926	5.0485	-0.5853	1.9036	-1.6263
0	0	1.8629	0.0586	-0.3783	-0.7254	1.1873
0	0	0	4.7159	0.2621	-1.7597	-1.3003
0	0	0	0	1.1101	2.5123	-1.4296
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Columns 99 through 100

0.8955	0.7729
0.4768	0.3023

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0.1640	0.7403
0.0922	-0.3191
-0.0931	-0.1432
-0.0926	0.1266
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0.1996	0.0748
0.1156	0.0154
0.6252	0.8487
0.4840	-0.0213
0.9424	0.3568
-0.6060	-0.2243
0.0784	-0.8667
0.7055	1.2129
-1.2725	-0.8208
-0.5145	-1.2735
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0.0243	-1.0806
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-0.7894	0.7119
0.1957	-2.0923
-0.8129	3.1106
0.5339	0.1237
-0.3389	-0.1238
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0.3604	-0.1085
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-0.5615	0.2216
0.9721	0.8946
0.7713	-0.3237
1.0637	-0.8836
1.6884	-0.0673
-0.6655	-0.2967
-0.3573	-0.5611
1.1145	-0.3899
0.6658	1.1669
-1.1722	0.1314
0.1675	-0.1882
-1.3012	1.6059
-0.9917	-0.1811
-0.1519	1.6530
0.3977	0.3966
0.0356	0.2087
1.1927	1.1890
1.2653	0.8695
0.1591	-1.1387
-0.6275	1.1314
-1.1353	-1.7627
-0.6300	-0.3146
-2.5691	-2.2837
-0.5563	0.9656

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-0.4423	1.6419
0.7733	-0.9122
0.9215	2.6500
-0.1161	1.6736
0.7129	-1.3916
0.0137	0.9368
-0.2803	0.1746
-0.0573	0.1081
-1.1729	-2.9172
0.5112	0.4150
-1.8131	-0.7963
0.0514	-2.5452
0.5688	-0.5348
-0.8504	-0.3255
-0.9674	0.2970
0.2454	1.0892
1.3348	1.5636
0.0639	0.3248
-0.6188	-0.0796
0.0383	-2.0158
0.9361	2.5172
-0.2349	2.9468
-0.6638	-1.1528
1.9896	4.1857
-0.4626	-1.3301
-0.8855	-1.1987
0.1108	1.1325
0.2883	-2.3159
0.5196	1.0427
-1.2521	-0.2700
-0.7740	1.2980
0.6343	3.4110
-1.3322	-1.7486
-0.9344	0.6997
-1.0227	-1.0745
1.6947	-0.8108
0.9004	-0.1784
-3.7965	0.6399
0.1344	-0.5556
1.5243	0.0630
1.1165	-3.7990
-0.3061	-2.9922
1.7403	-3.0030
0	0.8079

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`417`

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