

R version 4.4.0 (2024-04-24) -- "Puppy Cup"
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Platform: aarch64-apple-darwin20

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Natural language support but running in an English locale

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Type 'demo()' for some demos, 'help()' for on-line help, or
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Type 'q()' to quit R.

[R.app GUI 1.80 (8376) aarch64-apple-darwin20]

[History restored from /Users/alperkaragol/.Rapp.history]

```
> # Clear workspace
> rm(list = ls())
>
> # ---- Read CSV file ----
> # Suppose your CSV file is called "yourfile.csv" and is in your working directory
> # Adjust the path if it's elsewhere
> data <- read.csv("/Users/alperkaragol/Downloads/sasa_with_consurf.csv", header = TRUE, stringsAsFactors = FALSE)
>
> # Check column names
> print(names(data))
[1] "ent_file"      "chain_id"      "residue_number" "residue_name"  "sasa"          "rsa"
[7] "ConSurf.Grade"
> # Inspect the data
> head(data)
  ent_file chain_id residue_number residue_name  sasa    rsa ConSurf.Grade
1 pdb1h6i.ent      A             9         LEU 161.23 84.41361         1
2 pdb1h6i.ent      A            39         VAL 123.43 74.80606         1
3 pdb1h6i.ent      A            40         GLY  44.61 45.98969         1
4 pdb1h6i.ent      A            41         ASN 140.03 74.88235         1
5 pdb1h6i.ent      A            43         GLN 130.91 61.17290         1
6 pdb1h6i.ent      A            46         VAL 120.32 72.92121         1
>
> # ---- Extract rsa and ConSurf Grade as x and y ----
> x <- data$rsa
> y <- data$ConSurf.Grade
>
> # Print vectors (optional)
> print(x)
 [1] 84.4136126 74.8060606 45.9896907 74.8823529 61.1728972 72.9212121 32.9679144 72.3282051 49.2105263
[10] 46.5026178 19.0098522 54.9076923 42.3388430 70.9300699 45.3298429 85.8716577 65.6701031 35.2587413
[19] 48.0618557 67.8811189 41.0994764 36.4260870 46.8391304 79.0087719 63.4820513 68.7695652 95.6701031
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[1171]	48.6710526	42.1137255	54.0588235	55.2680412	4.0349650	18.5794872	49.3831776	70.5607477	66.6168831
[1180]	58.2576687	80.9504132	35.4953271	14.4064171	59.7112300	44.7990654	56.1069519	50.3260870	36.7093596
[1189]	35.0185185	80.2149533	35.0909091	9.9076923	49.5467290	7.3128205	31.8484848	74.9090909	16.4265734
[1198]	46.1542056	50.5841122	27.8531469	86.2680412	68.5508021	9.3403141	62.4867925	72.3636364	51.1069519
[1207]	46.4358974	45.5235602	41.6923077	64.4666667	48.0523560	60.2830189	55.6319018	52.5347594	40.3598131
[1216]	33.9030303	43.9151515	51.7878788	32.3719008	50.3157895	29.8464912	26.8247423	57.8512454	53.2299465
[1225]	38.7113402	10.8608696	19.8130435	26.9476440	87.2303030	21.8219895	58.1038961	76.4861111	39.5644172
[1234]	85.5086957	26.1030303	37.2037037	19.6909091	63.6577540	61.1542056	47.6256410	41.9025974	24.7058823
[1243]	35.7454545	65.2657343	33.6943396	32.8640351	34.1921569	44.9790210	53.9030303	18.0389610	34.7476635
[1252]	52.3396226	64.7857143	27.4793388	0.0000000	43.5619835	11.6753247	1.8842975	4.5371901	60.7792208
[1261]	29.1283019	54.3698113	50.8981132	38.9259259	1.2192513	3.8021390	3.6452830	4.3560209	16.6377358
[1270]	39.4031414	34.1413613	69.1493507	10.6484848	54.3151515	21.0000000	0.0000000	64.1884817	18.0905660
[1279]	54.9371728	39.4037736	5.9930070	29.4123711	48.8518519	8.7030303	49.6319018	28.3640351	58.5615764
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[1306]	67.0747664	84.7027027	56.9319372	75.2807882	63.7801047	63.3181818	81.2314050	70.9283019	73.0727273
[1315]	80.9575758	32.3304348	65.5416667	31.2620321	62.1956522	35.3785047	58.5454546	44.0330578	44.7216495
[1324]	69.2867133	31.8549020	69.5759162	47.7112300	86.4870130	42.6564417	5.1937173	55.8288770	50.1622807
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[1342]	71.5000000	10.0981600	53.4906542	23.4181818	50.1151515	70.0261780	64.9090909	28.7914110	59.0700935
[1351]	44.5619835	22.8741259	15.3310811	53.5887850	34.7748691	38.3116883	77.1884817	49.4679803	36.1169811
[1360]	54.2641509	37.4485981	10.0113636	60.2727273	38.2406417	68.5000000	50.6418919	42.2955665	3.5714286
[1369]	8.7818182	56.8317757	45.9575758	55.0694444	24.3719008	60.6486486	29.8041958	60.6907217	53.6611570
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[1387]	54.8888889	74.6754717	81.3434783	53.4598930	39.9532710	31.1711230	48.7128205	15.2727273	45.1207547
[1396]	35.3652174	68.3350785	45.0769231	73.2056075	49.7897196	53.3504673	46.0618557	0.0000000	26.8247423
[1405]	110.5194805	107.4659686	79.6905660	27.9294118	36.9485981	11.1069519	3.7329843	0.0366492	6.7412587
[1414]	14.5911330	25.3696970	18.0087719	59.0420561	40.5093458	47.8565217	31.7272727	21.8657407	16.8363636
[1423]	28.7777778	44.6052632	41.8421053	15.8062827	3.0974359	2.7407407	12.3739130	4.8016529	5.2162162
[1432]	0.0000000	0.0000000	29.1260870	53.3560209	26.9490741	36.6898148	41.9839572	17.7015707	21.9956522
[1441]	43.8342246	64.0389610	61.9439252	24.4112150	53.2897196	64.7878788	47.1188811	43.5721925	24.0186916
[1450]	25.9510490	14.8036810	59.9956522	36.0748663	15.5916230	49.5240642	58.5435897	5.9930070	78.3094340
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[1468]	20.7520661	43.8640351	5.2982456	23.5333333	7.5644172	43.7236842	50.1103896	47.7663551	38.9693252
[1477]	55.1214953	44.6652174	49.7196262	38.7509434	40.7975460	61.9391304	56.5739130	67.6951872	87.9610390
[1486]	75.8404908	76.5849057	46.7803738	60.6363636	45.3831776	7.3212121	56.8431372	80.3801653	79.4913043
[1495]	42.3547170	23.5259740	7.4166667	70.5133690	50.8037383	27.0106952	53.5989305	43.9738220	17.3101604
[1504]	24.0890052	64.7093596	39.0979021	23.8264463	34.0261780	63.4297521	46.7412587	61.0306748	38.7878788
[1513]	45.3757576	38.5867769	37.9098039	37.0410256	69.0470588	59.3717277	42.3612565	42.3612565	46.1272727
[1522]	64.3272727	61.5174825	45.7589744	48.1818182	36.9094340	52.4764398	43.6728972	42.3507853	59.2307692
[1531]	38.4405594	41.7277487	30.3507853	35.0523560	35.1237113	60.0129870	72.6308411	63.0000000	26.8663102
[1540]	73.9859813	61.0412371	69.3636364	35.4083770	48.5051546	54.1546392	89.0419580	59.4125874	62.6981132
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[1558]	28.1925134	43.5347594	36.3831776	42.3056604	103.2476636	91.6223776	3.6185567	25.7217391	25.1652893
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[1594]	56.3006135	77.0106952	64.2523365	61.6956522	44.2164948	31.9815951	15.3696970	87.8823529	57.7801047
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[1648]	48.0523560	70.8481675	49.2019704	11.1764706	33.1608392	33.1822430	60.8429752	64.1944444	54.0545454
[1657]	79.0000000	48.6301887	41.8016529	37.7794872	38.6666667	66.9924242	60.5078534	42.3612565	43.9605263
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[1702]	57.3312883	55.6684492	78.4830189	83.0000000	26.5549738	70.6823529	72.0151515	47.0640394	29.6993865
[1711]	56.7462121	60.0339623	73.8274510	64.0307018	50.6728972	51.1695652	43.9197861	54.2731481	52.1712963
[1720]	71.2041885	16.2146597	60.0736196	30.8638743	60.8116883	19.8787879	35.0787037	40.3991228	74.1428571
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[1738]	26.3971963	16.7476635	41.9608696	57.3037383	36.3471074	65.8260870	25.6013986	48.5867769	90.1901840
[1747]	60.2462121	50.0213904	49.8900524	42.3696970	71.8376963	53.5401070	48.5670103	91.2208589	40.3251534
[1756]	3.1623037	21.5647059	35.8811189	0.0000000	57.1535088	33.5030303	2.8842975	37.5482456	47.8143939
[1765]	41.2644628	5.1081081	10.8842975	39.8324607	2.0000000	2.1939394	0.0000000	15.4469697	10.4478528
[1774]	33.2990654	5.9917355	38.4439252	50.8571429	19.3421053	86.6433566	25.4958678	79.9631902	41.3582888
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[1792]	39.4020619	42.2196262	3.8391608	1.4666667	12.5320197	0.0000000	1.2670157	57.8823529	32.4335664
[1801]	6.2408377	36.9251337	51.5882353	49.0855615	6.1230769	5.5706806	12.8941177	40.9739130	0.0000000
[1810]	62.0129870	17.9589744	12.0797546	47.4696970	59.7015707	55.7643979	23.0909091	25.8671329	58.8098160
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[1828]	18.8504673	20.3664921	58.8896104	22.9912281	43.7216495	10.9690722	28.4825175	52.5389610	44.1137255
[1837]	53.6717949	51.4969325	63.0555556	34.0797546	32.8691589	27.9675325	77.4392523	65.9860140	60.5670103
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[1873]	18.0823529	36.2391304	13.0614035	26.5882353	55.6196319	45.0082645	62.2396694	75.4813084	60.6962617
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[1891]	42.9065421	66.5327103	46.4278075	65.4805195	50.4299065	63.4452830	26.0607477	37.5482456	85.5314685
[1900]	96.6441718	45.6363636	51.7757009	21.8834356	70.5549738	25.4055944	30.4083770	53.3454545	65.9893048
[1909]	38.5130890	63.7217391	54.2897196	71.4043478	47.6542056	83.9626168	53.6754717	45.0566038	70.2460733
[1918]	47.3814433	34.9793814	58.8307692	59.1622807	53.7641026	31.7107438	57.4943396	78.2079222	47.9197436
[1927]	27.6951872	40.9433962	63.9392523	68.5140187	17.3092783	22.0528302	34.4598930	67.2809917	59.0575916
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[1945]	52.6862745	77.8831169	34.0209424	49.8108108	36.2173913	14.7486911	33.1973684	62.3475936	71.0000000
[1954]	23.0837438	59.5561497	24.0606061	45.4380165	61.6713287	44.6173913	31.6962617	41.5280374	47.4189189
[1963]	55.0377358	54.9090909	29.1076923	63.9214660	9.4484848	60.5549738	37.7024793	46.7770270	46.2566038
[1972]	78.9732620	29.0129870	57.4845361	63.6363636	68.2146597	50.1963190	46.2892562	65.7803738	77.3773585
[1981]	75.4869110	45.1855670	36.1390374	81.4264151	38.8251748	60.9090909	61.6033058	55.7379679	59.4299065
[1990]	58.4895105	7.0962567	39.0153846	52.6410256	59.7407407	57.0981308	68.5333333	16.7112299	53.7336449
[1999]	8.2039216	55.8762887	14.7077922	43.8598131	33.4410256	0.7333333	32.0858896	94.5968586	42.4876033
[2008]	37.2424242	36.9256198	66.8060606	111.9338843	60.4432990	29.2662338	21.6871166	28.4345794	58.8364486
[2017]	0.0000000	75.9415584	62.2386364	44.4438503	49.2565445	63.8481675	43.8424242	61.5968586	49.6848485
[2026]	61.3926702	39.5454546	30.9790576	37.0139860	19.8441558	67.9565217	64.6351351	6.5497382	43.5187166
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[2062]	60.6149733	76.2181818	50.7948718	48.0979021	14.8595041	54.9510490	70.2032086	63.4685315	39.8888889
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[2089]	16.6307692	51.5314685	19.6687117	67.1069519	10.8226601	73.4615385	64.3636364	50.0608696	42.3207547
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[2206]	34.7748691	33.8831169	30.6198347	63.2616822	25.8113208	36.0490566	45.6869565	27.9754601	39.1099476
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[2233]	19.6627451	42.6869565	33.2383178	14.2565445	11.0184049	30.8705882	29.1803922	8.6417112	14.0802139
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[2260]	65.2336449	18.8787879	90.6623377	27.7591623	41.2897196	15.3596491	35.8586387	27.1989529	50.9610390
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[2305]	63.3863636	13.7202797	27.7454546	13.4871795	21.8571429	50.7128205	70.9935065	50.1047120	58.5602094
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[2332]	45.5950413	48.4242424	53.9421488	46.1546392	78.2371134	71.8595041	32.2474227	0.8762887	47.2892562
[2341]	91.7277487	70.5371901	52.5454546	47.0233645	48.0495868	53.1518325	63.7851240	43.4545454	46.2066116

[2350]	50.8461539	6.1652893	55.5463917	57.5944056	8.3057851	64.1074766	63.0267380	48.0826446	57.6298701
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[18298]	9.5350877	13.2412281	16.4210526	19.5964912	42.3441558	42.3553719	47.5757576	79.2094241	67.9300699
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[21817]	0.6335079	0.0000000	4.9793814	0.0000000	2.1939394	23.3619632	0.0000000	0.0000000	19.6020942
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[24229]	4.5700935	33.4475525	8.0213904	0.0000000	3.6753927	9.8324607	16.6573427	5.5307018	6.7490196
[24238]	23.1688312	18.5519481	4.1403509	0.0000000	9.9212121	4.2237762	5.0575916	1.0000000	18.3636364
[24247]	62.7283019	21.8251748	18.6597938	29.1361257	5.6909091	1.5877193	28.2192513	49.2307692	13.1188811
[24256]	6.8859649	27.8652174	19.7024793	54.8877005	57.7967914	36.6433566	8.8534031	7.9696970	30.2009346
[24265]	27.3193717	15.4652174	2.4121622	4.7077922	26.7137255	1.6923077	36.5934579	10.4188679	1.2410256
[24274]	42.6288660	0.7333333	4.4240838	14.2289720	1.1711230	2.5877193	11.7641026	22.4766355	0.6470588
[24283]	7.5056604	3.1623037	23.6528926	30.5568628	7.4110429	0.0000000	2.2941176	13.0787879	14.2377622
[24292]	58.7216495	2.5233645	1.1330049	1.4196078	3.0570175	0.7482517	1.8952880	3.1798246	1.8564103
[24301]	1.5654206	5.2368421	0.0000000	35.8716577	5.8545455	6.3246073	14.9254386	16.2780749	13.7719298
[24310]	49.4871795	0.0000000	45.2156863	7.7086957	4.8741259	3.5046729	0.0000000	1.7165775	23.4615385
[24319]	8.6717949	16.8363636	40.4659686	0.0000000	6.8000000	20.7832168	49.1925134	8.3356643	1.1937173
[24328]	0.0000000	33.2517482	17.1963190	44.0641711	23.1016043	18.7342657	61.2061856	3.0974359	1.2969697
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[24355]	17.4329897	14.6728972	11.7593583	28.2303665	41.7710280	2.0000000	12.4778325	48.9570552	1.8952880
[24364]	17.1798246	5.1550802	0.0000000	1.0000000	10.1151832	3.7179487	0.7857143	18.1184210	36.5287958
[24373]	0.6205128	14.7725490	25.9057592	34.1237113	7.8441558	6.3552632	0.5601852	7.9098039	0.9490196
[24382]	25.8766234	3.2500000	1.4666667	0.0000000	1.8564103	15.1727749	33.5582822	22.6713287	66.1491228
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[24427]	1.0541872	1.7068063	3.5212121	2.5757576	36.3886793	21.4431818	26.4723926	42.6434783	0.4187192
[24436]	34.0157068	0.0000000	0.5151515	2.3067485	0.0000000	0.0000000	0.0000000	0.0000000	0.5000000
[24445]	15.4475524	0.0000000	0.0000000	0.9008264	25.6980392	49.9160839	21.1122995	110.1558442	27.7757576
[24454]	31.5734266	0.0000000	0.0000000	4.0991736	25.0261780	12.2727273	5.2447552	20.2757009	4.1212121
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[24499]	0.0000000	1.0614035	38.3971963	46.3207547	27.7897196	29.4759358	43.7391304	0.5307018	14.0736196
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[24562]	1.4196078	8.2517483	13.7355372	0.0000000	42.8831776	30.1989529	37.3272727	28.3358491	53.8181818
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[24616]	9.9076923	0.0000000	0.0000000	0.0000000	23.5913044	7.4895105	26.1818182	1.0000000	38.4772727
[24625]	20.5964912	31.8350515	77.3596491	50.2216749	9.2620321	72.1030303	11.1104294	23.4742268	24.6168224
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[24778]	9.7852761	1.4078947	0.0000000	19.4027778	10.0565217	9.9921569	3.5568182	8.0512821	0.0000000
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[24796]	40.9528796	25.3026316	52.1547170	36.7662338	50.3739130	35.8272251	44.7112300	1.2670157	20.6682243
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[24814]	80.0666667	45.8461539	38.5214724	44.4224599	16.9570552	58.2867133	26.2192513	16.4965035	19.7268518
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[25003]	13.6963351	2.0000000	2.4769231	45.0389610	4.3939394	15.3552632	51.9358289	37.4110429	38.6492147
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[25255]	32.6288660	51.7850467	51.4018692	43.6684492	58.9325153	36.6073620	48.5092024	15.6315789	52.7056075
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[25309]	27.5154639	31.6753927	46.7878788	11.1921569	0.8461538	2.9272727	2.1939394	24.0820513	1.8952880
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[25525]	24.0261780	60.0307017	34.4846626	32.8264463	6.8464912	33.5324675	49.7696970	27.3794872	54.7225131
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[25588]	9.3640351	0.0000000	0.0000000	4.0680628	8.5775401	0.6335079	23.9518717	1.5877193	11.3821989
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[27937]	7.2167832	69.6115702	12.5289256	15.7055215	31.9580420	1.7897436	11.2710280	0.0000000	0.0000000
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[27955]	9.6060606	37.4895105	27.0909091	2.8773006	17.1963190	11.2716981	0.8842975	12.4345794	2.6528926
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[28144]	1.8952880	26.0736196	5.5092025	2.9272727	5.8545455	5.0545455	8.0484848	15.2060606	18.5076923
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[29152]	19.7523365	13.9109948	49.1233766	9.4816754	9.4816754	7.4742268	38.7384615	12.7636364	2.4405594
[29161]	0.7857143	0.6335079	0.0000000	3.9917355	9.0043860	31.3987730	65.8167539	0.0000000	46.4980392
[29170]	36.0175439	45.8111888	20.2974359	2.9631902	2.4769231	11.1487179	0.0000000	14.8289474	0.0000000
[29179]	1.8564103	1.4666667	1.2410256	12.3846154	1.1030928	7.4166667	0.0000000	5.9685864	1.7333333
[29188]	33.6684492	45.8738318	39.5538461	33.2146597	43.7433155	65.7396226	25.0427807	3.7329843	16.2922078
[29197]	0.0000000	0.7333333	7.4110429	0.5960591	0.0000000	0.4745098	21.4424242	0.0000000	1.8099174
[29206]	0.0000000	1.0000000	17.0429448	1.5877193	2.9272727	1.3128834	15.4820513	1.0000000	3.0974359
[29215]	22.7179487	8.0484848	15.7105263	3.7685950	18.8750000	11.0184049	30.2680412	36.0942408	27.8866995
[29224]	35.2377622	6.8115183	23.8441558	12.7663551	13.3402062	1.5714286	0.0000000	0.7857143	31.2097902
[29233]	50.1443850	0.6205128	21.1608696	11.2313725	0.0000000	5.0871795	25.1434783	1.0000000	3.5921569
[29242]	19.6542056	1.8663102	80.2337662	6.2543860	45.8404908	15.8916256	0.5307018	0.0000000	11.0043478
[29251]	0.0000000	0.0000000	1.2410256	1.4805195	0.0000000	21.7568627	25.5030675	37.0534759	0.8392157
[29260]	67.0103093	29.6103896	10.5979381	17.3636364	22.1468531	0.0000000	2.3596491	15.6495327	1.8564103
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[29323]	2.2878788	3.3564815	6.5030303	3.5979381	32.6684492	17.8325123	17.7015707	0.0000000	30.6121495
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[29359]	5.6910995	10.1168224	28.6682243	51.8272251	3.9757576	7.6020942	10.6256158	5.8545455	19.1884817
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[29539]	2.1939394	0.8461538	3.7467532	12.3521739	5.0575916	28.3402062	5.7603306	20.0206186	21.5333333
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[30421]	4.5757576	29.9408867	18.0087719	18.0087719	28.2897196	32.7897196	35.2565445	25.3333333	29.1104295

[30430]	49.3769633	3.7319588	6.4491979	10.2484849	35.1333333	48.9230769	22.2039216	44.1989529	31.6125655
[30439]	36.9476440	28.6115702	51.1433962	62.3245283	50.2192983	30.9421488	37.1589744	25.6798030	32.1712963
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[30484]	13.6923077	38.6748466	26.4816754	11.9528796	19.8153846	13.6528926	19.6020942	17.7062937	0.6205128
[30493]	5.1621622	4.8866995	44.9197861	42.5668449	12.0069930	45.5030675	14.6804124	23.8333333	33.8512821
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[31627]	55.8029557	55.4274510	10.9752066	7.4742268	29.0129870	48.7412587	44.0981132	63.4759358	57.0559441
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[31690]	0.0000000	0.6470588	37.3831776	59.1962617	13.0374332	1.3896104	38.1623377	0.8588235	11.7565217
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[32914]	19.6037736	13.8411215	0.5307018	15.3596491	19.6020942	20.3596491	55.2565217	31.8830189	19.8153846
[32923]	30.6363636	4.4074074	79.6929825	32.1493507	7.4307692	5.3251232	8.2196262	3.1888112	0.6335079
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[32941]	46.6121495	0.0000000	14.5186916	31.3803681	1.1937173	4.6577540	5.8016529	4.3939394	59.5714286
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[33328]	38.4171779	40.3743842	27.9901478	36.9256198	29.7282051	15.5051546	30.2937063	26.0181818	27.4824561
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[35389]	2.1939394	12.5846154	1.2670157	31.1379310	12.2879581	2.9008264	1.5233645	3.5877193	2.1272727
[35398]	46.9946524	6.0320856	8.2198953	2.4769231	0.0000000	9.6307692	9.9018692	15.8834356	1.8564103
[35407]	17.6000000	80.9025974	16.3596491	12.4424242	54.9252336	17.3103448	12.3575758	15.1727749	9.8905660
[35416]	0.0000000	13.0051282	8.6181818	10.2484849	19.2892562	27.4491979	45.5876289	25.6060606	7.1258741
[35425]	0.7857143	2.4948454	2.5287958	0.7423313	25.9396226	0.0000000	15.7543860	2.3155080	34.9072165
[35434]	0.0000000	1.2670157	0.0000000	13.7540107	0.7333333	55.3560606	1.2670157	25.8545454	38.4220779
[35443]	2.1939394	0.0000000	13.8395722	3.7179487	35.3547170	1.1030928	9.4252336	0.6335079	0.0000000
[35452]	10.4895105	0.4196078	0.0000000	3.1623037	1.0000000	3.0000000	11.7641026	3.7319588	3.6216216
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[35470]	30.4598931	6.1099476	0.0000000	23.0279720	18.7987013	5.6433566	5.9917355	10.7486911	28.4166667
[35479]	32.7368421	50.8913043	18.6509804	77.9205608	7.4307692	7.1538462	19.6528302	8.6717949	8.6446281
[35488]	3.3175676	46.8531469	40.1404959	18.5154639	42.3067485	26.3454545	17.4210526	13.1361257	56.5497382
[35497]	29.9790576	17.4158879	27.6446281	25.8173913	6.3393939	11.9263804	3.6606061	8.8534031	8.7801047
[35506]	3.0000000	18.3884298	0.0000000	23.5259740	63.7272727	31.5174825	1.0614035	6.4491979	0.8842975
[35515]	5.1212121	1.0555556	5.1913043	8.2198953	5.6528926	3.4345550	22.3529412	1.8295451	1.0000000
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[35605]	18.4065421	6.9528796	0.6205128	20.7062937	3.5076923	11.7597403	10.4000000	2.1939394	4.3939394
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[35632]	12.4424242	24.5041322	16.7636364	3.7179487	7.5641026	14.2236842	0.6335079	0.0000000	28.6951872
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[35650]	3.7958115	15.7628866	8.6233766	1.1443850	7.6355140	12.6301887	0.5706806	0.0000000	39.6728972
[35659]	4.0855615	0.6335079	0.8716216	3.6308411	2.6491228	2.5000000	46.5614973	0.0000000	1.2792453
[35668]	0.0000000	10.8247423	6.9528796	1.2670157	2.0000000	24.4722222	0.0000000	1.2670157	21.5582822
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[35704]	21.1885965	15.0490798	20.8111888	23.5333333	0.0000000	16.8363636	35.5358491	17.0000000	25.2931937
[35713]	29.6787879	7.3286713	9.0043860	15.7272727	9.5747664	9.4214876	14.7846154	25.8638743	28.8102564
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[35785]	3.0890052	7.2685185	11.8691100	7.9669421	26.2242424	11.6303030	11.3821989	23.1538461	6.9528796
[35794]	23.7846154	39.1443299	7.1515152	1.0000000	2.8773006	4.3333333	6.3246073	39.8051948	0.7333333
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[35983]	2.6491228	3.0974359	0.0000000	14.5154639	7.2032086	2.9272727	31.8691589	44.0327103	10.4895105
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[36001]	7.2620321	4.5244755	5.9507389	4.3333333	4.3333333	9.6804124	8.8512397	22.4980392	11.6748466
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[36019]	26.3924528	33.0000000	15.4043478	20.1547170	43.3504673	38.7113402	25.8478261	32.4826087	75.7130435
[36028]	74.2256410	25.4171779	29.3048128	14.8595041	2.6491228	17.2620321	6.4415584	6.1349693	0.7333333
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[36046]	14.6528926	26.2987013	0.0000000	41.8177570	76.1298701	20.4110429	40.3246073	40.2268041	37.0000000
[36055]	30.9421488	11.0824742	2.7407407	2.4187192	7.5863874	0.0000000	1.3712121	20.2245989	46.1521739
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[36244]	31.9251337	2.3686275	18.4410256	3.7225131	42.9510490	19.8043478	56.6527778	26.6257669	3.1184211
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[36406]	3.5757576	35.3596491	31.0267380	1.4666667	0.6335079	0.0000000	0.6205128	19.8769231	19.9839572
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[36487]	36.1584906	21.6666667	35.1575758	12.3925234	5.6910995	0.0000000	0.0000000	0.0000000	36.9358491
[36496]	13.5056604	0.5307018	3.1623037	7.8364486	23.9652174	29.3283019	2.9917355	2.4769231	3.6461538
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[36631]	17.0429448	0.0000000	0.5307018	15.1727749	19.8679245	22.4393939	26.3917526	3.7685950	30.1384615
[36640]	8.9834711	20.3393939	0.0000000	0.0000000	17.6705882	9.7777778	12.2000000	33.7523365	16.6847291
[36649]	10.9772727	30.2879581	41.9391892	45.8918919	37.0306748	6.6481481	3.7061404	62.0358974	8.2051282
[36658]	40.9030303	48.6134969	30.8659794	50.1315789	37.9256198	2.3505155	3.1798246	29.0837696	35.2879581
[36667]	11.7731959	20.4475524	11.5833333	15.7055215	38.0000000	14.4049587	47.4188482	2.7685950	31.9696970
[36676]	1.2474227	20.8325294	25.0495868	2.4554974	25.7532467	10.2484849	16.4659091	36.1897436	19.9580420
[36685]	14.5675676	7.2363636	8.6713287	0.8941176	16.2962963	3.3641026	10.7333333	7.4659686	8.4166667
[36694]	9.1030303	0.6205128	27.0927835	0.5487179	3.5076923	5.4195804	0.7333333	23.9504132	31.9939394
[36703]	10.5282051	0.9166667	0.0000000	11.0618557	1.8842975	27.7837838	3.6694215	61.1168224	8.2198953
[36712]	14.3814433	83.3803681	55.6666667	2.7685950	0.4745098	2.9917355	35.9386503	0.0000000	6.2575758
[36721]	0.0000000	6.9659091	27.3101604	3.0994764	15.3689840	74.8745098	11.0184049	36.8925234	36.5779221
[36730]	2.0000000	1.2410256	0.0000000	0.6470588	51.0039216	0.7333333	34.5257732	52.8677686	30.8429752
[36739]	6.9528796	4.5874126	12.5921053	17.9294118	25.4432990	6.8598485	0.0000000	1.7358491	0.0000000

[36748]	0.0000000	1.2670157	24.6684492	0.0000000	0.7423313	47.5944056	6.3246073	0.0000000	25.4278075
[36757]	5.1973684	9.8242424	29.9411765	0.0000000	31.4814815	32.6941177	6.5698113	10.5654206	1.0654206
[36766]	1.2670157	9.1069519	21.1885965	1.1204188	0.0000000	0.5721925	2.0000000	35.6417112	5.6355140
[36775]	0.0000000	0.5721925	18.5240642	0.0000000	0.4583333	3.0147783	7.3505155	0.6335079	10.7142857
[36784]	0.0000000	5.5140187	24.5051546	17.8823529	0.0000000	0.0000000	1.5000000	1.8952880	40.7792208
[36793]	1.1443850	2.9272727	7.6635514	1.2862745	8.9072165	11.4233129	4.1413613	14.3457944	11.0405405
[36802]	19.9090909	3.8760331	4.1891892	59.0233645	11.7850467	59.6804124	56.3652174	25.8551402	6.6784314
[36811]	31.6853147	45.7173913	1.0000000	0.0000000	32.6391753	15.9584906	5.9465241	38.1822430	4.3090909
[36820]	2.3566434	36.3924528	0.0000000	1.3712121	0.0000000	6.4554974	28.4705882	17.9005236	47.7972028
[36829]	26.3037383	16.0303030	2.7636364	0.6335079	1.8952880	2.2361111	16.7958115	72.8811189	1.1030928
[36838]	26.2565217	11.8939394	23.5934579	25.0139860	0.4745098	23.1168224	36.3706294	12.5972222	10.9757576
[36847]	4.0106952	8.1413613	53.9065421	4.4240838	7.4166667	18.2867925	12.4485981	0.0000000	5.4214876
[36856]	18.1497326	3.0418848	23.5259740	5.0700935	28.3821989	13.7696335	19.6822430	1.2266010	2.9272727
[36865]	1.2474227	0.0000000	0.7482517	0.5000000	8.7239264	20.1735537	19.9351852	2.6491228	11.9411765
[36874]	6.8102564	46.5438597	2.5287958	12.6042781	10.1128205	27.6915888	21.7212121	7.7319588	21.3396226
[36883]	43.4606061	50.8877005	45.1471698	27.3706294	13.9109948	13.4980392	1.8842975	2.9272727	0.6564417
[36892]	3.1623037	0.0000000	10.9447853	7.6993007	8.0484848	4.1258741	4.4015152	0.0000000	0.4745098
[36901]	9.3582888	57.8565217	25.7849057	4.2760736	0.7333333	8.8534031	7.4742268	28.2363636	22.6074766
[36910]	0.0000000	0.4745098	3.0974359	9.8923077	31.6682243	36.3216783	16.3698113	3.7958115	10.0471204
[36919]	0.0000000	3.7179487	10.1188811	23.4350649	3.1623037	13.2207792	14.9005236	45.0259740	34.2272727
[36928]	9.4438503	0.7333333	10.6153846	0.6687117	4.5874126	1.6351351	5.1212121	2.2078431	7.8264151
[36937]	21.2803738	18.0484849	35.8173913	58.0962567	22.3176471	41.7277487	23.3926702	4.4478528	6.9834711
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[36973]	20.7329843	0.0000000	44.4254386	10.1151832	14.3193717	66.0160428	46.2149533	6.7009346	47.1404959
[36982]	49.8243243	56.5460123	17.9057592	59.9504132	45.8245614	24.3711340	7.5320755	2.7975460	1.6923077
[36991]	0.5487179	48.3006135	41.3157895	7.0509804	6.2937063	13.2412281	2.7975460	0.4583333	2.1151515
[37000]	13.1527778	6.1948718	10.7355372	44.0363636	3.6606061	13.8923077	2.1939394	28.2943925	8.3696970
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[37018]	12.2461539	11.4615385	0.6205128	1.4666667	1.8842975	22.5360825	8.2727273	4.3939394	2.1477273
[37027]	1.3987730	5.4233129	3.4536082	7.9834711	4.0810811	1.4196078	5.7603306	2.5287958	72.0194805
[37036]	68.6153846	3.6980392	4.4156863	0.0000000	6.8859649	0.0000000	11.1487179	1.0000000	27.3846154
[37045]	9.5289256	19.3925234	28.9570552	1.7897436	0.0000000	1.2474227	13.1140351	2.7685950	8.6060606
[37054]	13.4759358	6.2139037	6.0000000	13.3504673	19.7727273	20.3896104	9.9834711	11.1487179	1.4965035
[37063]	0.7333333	1.0000000	2.8424242	0.0000000	18.7731959	13.4123711	1.2941176	15.9230769	21.6363636
[37072]	15.3884298	16.1413613	49.4025974	4.4478528	5.6910995	11.2061856	2.3137255	7.4110429	21.1413613
[37081]	18.9811321	1.2474227	17.9589744	2.8424242	25.9732620	15.2408377	0.0000000	17.8606061	17.1361257
[37090]	1.6748768	4.2205128	1.2484848	0.0000000	0.0000000	5.0785340	0.0000000	0.0000000	0.0000000
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[37108]	0.0000000	3.1034483	0.0000000	29.4385965	0.0000000	3.1151832	0.7229730	0.0000000	3.0231481
[37117]	0.0000000	1.0052356	0.0000000	0.0000000	0.0000000	24.7412587	20.0279720	0.0000000	3.5602094
[37126]	0.8374384	0.0000000	0.0000000	7.9245283	0.0000000	8.0256410	5.6446281	1.2638037	15.1212121
[37135]	0.0000000	0.0000000	1.4205607	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
[37144]	4.5863874	0.4358974	14.7239264	0.0000000	6.0061350	2.3776224	17.3454545	12.5619835	4.6082474
[37153]	18.0000000	82.5619835	4.5567010	31.3814433	5.2848485	54.7801047	5.5889571	0.0000000	7.5759162
[37162]	31.1233766	9.8923077	4.0052356	0.0000000	39.4380165	0.0000000	14.6590909	0.0000000	0.0000000
[37171]	0.0000000	0.0000000	0.0000000	41.5668449	9.3706294	22.7591623	17.0732984	7.5863874	5.9263804
[37180]	8.4736842	5.6910995	3.7179487	1.5000000	0.0000000	4.4965035	1.2670157	0.5602094	0.6335079
[37189]	0.0000000	1.5877193	5.0575916	9.1818182	3.4797297	2.5287958	0.0000000	2.6319018	0.6335079
[37198]	0.6335079	3.0000000	1.5877193	0.0000000	7.5863874	0.0000000	1.8952880	2.3793103	1.7068063
[37207]	1.8952880	0.5828877	0.5828877	0.6335079	2.5287958	0.6335079	1.2410256	2.2655445	0.0000000
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[37225]	1.8376963	7.6684492	3.5263158	0.6335079	5.3641026	3.7958115	10.0131579	9.4816754	1.2410256
[37234]	6.1727749	2.4554974	22.7402597	7.9815951	0.0000000	2.1184211	12.0037879	34.7361963	5.4807130
[37243]	12.3846154	18.9586777	5.8041237	19.0037736	31.1900826	2.1184211	3.1798246	0.0000000	0.0000000
[37252]	28.4740260	0.8461538	4.8429319	0.5828877	16.7515151	16.6627451	12.9752066	0.0000000	25.0000000
[37261]	55.2337662	1.5714286	5.8760331	52.8453608	41.1283423	0.4745098	5.6694215	1.0000000	4.5104895
[37270]	0.7333333	2.0420561	4.8153846	26.3849057	2.2570093	21.2809917	13.2803738	49.3388430	10.8842975
[37279]	16.5202703	0.0000000	3.7482517	0.0000000	0.0000000	0.0000000	23.6363636	7.7215686	19.8343558
[37288]	29.6701031	26.0046729	24.5206612	55.5706806	43.3728070	69.4912281	48.3435583	72.3636364	15.6643357
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[37315]	22.5606061	18.0523560	31.0748663	47.4958678	3.8760331	2.1184211	1.8952880	13.9738220	16.7768595
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[37333]	6.2075472	4.4240838	36.9732620	40.7792208	15.8062827	30.1361257	18.0087719	11.7695652	2.5215686
[37342]	2.0303030	11.2803030	0.0000000	0.0000000	1.1030928	11.7641026	10.9757576	0.0000000	1.8226601
[37351]	0.0000000	0.0000000	0.0000000	8.4736842	0.0000000	0.0000000	4.7077922	0.0000000	2.6491228
[37360]	0.0000000	0.6335079	0.8461538	0.0000000	0.0000000	12.0104712	1.2474227	1.5000000	57.2324561
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[37387]	12.1779141	0.0000000	2.9272727	3.5743590	0.0000000	7.9696970	0.0000000	4.8770053	1.1921182
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[37405]	0.0000000	0.0000000	0.8716216	9.4816754	10.6923077	0.0000000	4.9917355	22.9256198	0.0000000
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[37423]	20.6577540	5.0575916	0.0000000	0.5093458	17.2307692	3.6590909	0.0000000	0.0000000	2.9842932
[37432]	11.6303030	0.0000000	3.0000000	0.5000000	14.3193717	1.0000000	8.5582822	9.7529412	5.8102564
[37441]	4.4240838	21.1944444	0.6205128	1.8952880	5.7272727	0.7333333	4.2368421	3.6492147	8.1623037

[37450]	1.4666667	1.2410256	2.5307018	17.7342657	2.1939394	7.2009346	2.1184211	0.0000000	15.6359649
[37459]	133.1958763	33.8969072	12.9175258	6.5878788	0.0000000	0.0000000	0.0000000	0.0000000	25.9956140
[37468]	1.4666667	5.5743590	12.4536083	37.5944056	41.7277487	31.7835051	10.1636364	1.2474227	0.0000000
[37477]	5.2447552	0.0000000	1.0000000	15.1411765	34.1320755	22.2680412	1.0000000	15.4049587	3.1363636
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[37495]	14.3026316	0.0000000	0.0000000	4.8659794	71.0601852	1.4965035	1.0000000	3.1623037	11.5384615
[37504]	2.9917355	2.5828877	2.0000000	47.7807487	0.0000000	1.4666667	19.5700935	16.4909091	2.9917355
[37513]	23.0405405	0.0000000	10.7486911	58.1333333	27.2299465	0.0000000	8.2198953	0.0000000	13.5567010
[37522]	0.0000000	4.8603774	6.9938650	0.5307018	7.9696970	0.0000000	13.2613636	0.0000000	0.5721925
[37531]	0.0000000	17.6627451	0.0000000	27.2331288	0.0000000	4.7077922	0.6354680	0.0000000	8.3364486
[37540]	29.3608696	0.0000000	12.2638037	9.2722513	1.8564103	10.1133005	7.8243243	0.0000000	13.1948718
[37549]	14.1818182	0.5307018	1.4965035	10.0591133	28.0701754	26.8324607	42.4869110	22.5183246	4.4240838
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[37612]	4.9917355	9.7663551	13.7647059	64.5515152	8.9834711	9.9371728	3.1550802	8.0980392	46.0789474
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[37648]	57.9256198	38.8051282	13.0051282	13.8561500	35.3815789	16.2943396	28.1328671	0.0000000	49.9946524
[37657]	4.8925620	0.0000000	18.8666667	39.3608247	30.1283422	14.0841121	32.9359606	18.3696970	69.5259740
[37666]	35.7190083	1.8564103	8.2905405	7.4307692	45.9870130	30.7192983	27.5434783	51.0824742	73.1604278
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[37684]	1.0614035	25.5905413	85.1739130	48.1570248	3.7319588	0.0000000	38.3575758	10.3179487	31.5561497
[37693]	28.0833333	12.5206612	8.2198953	3.8352941	33.9043478	6.5878788	14.1086956	2.4769231	14.4205607
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[37711]	7.0279720	6.5371901	25.7433155	1.5877193	1.5877193	33.6298701	0.0000000	5.1121495	1.2670157
[37720]	1.5944056	0.0000000	0.0000000	10.6871166	0.0000000	0.0000000	15.5018868	0.8461538	0.0000000
[37729]	3.7482517	0.5602094	0.8842975	1.2670157	0.0000000	0.5307018	1.0233645	0.5307018	7.3212121
[37738]	14.6235294	1.1711230	6.4909091	2.2460733	5.0699301	3.7056604	2.1939394	2.2941176	2.2361111
[37747]	3.2570093	0.0000000	0.0000000	1.2670157	0.4692982	0.0000000	1.2670157	15.1288344	23.3402062
[37756]	5.5314685	20.7647059	0.0000000	2.5287958	25.9586777	12.6713287	22.4766355	6.7423313	4.9917355
[37765]	7.5863874	25.4827586	22.5521472	42.3612565	21.8429752	8.6217391	29.9020979	8.9393939	21.1413613
[37774]	44.3558282	37.1623037	8.1983471	3.8029557	17.8923077	58.5283019	79.8956522	37.1203704	36.5384615
[37783]	35.7539267	6.3246073	8.1608392	23.6117647	7.5093458	19.0657895	33.3067485	64.7764706	4.7107438
[37792]	45.6136364	41.2217391	27.7731959	18.8481675	26.7438017	12.2461539	10.2484849	9.8862745	17.9953271
[37801]	13.2651515	24.8000000	30.2709360	75.0887850	0.0000000	21.2314050	59.3076923	16.9324324	52.4764398
[37810]	63.3487180	5.1550802	23.5721925	5.0509804	14.5445026	9.5608108	10.7486911	12.1151515	27.9813084
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[37855]	6.6687117	9.5350877	26.1921569	47.7407407	8.5132075	5.5140187	35.0330578	26.8762887	25.2857143
[37864]	13.7851240	19.8153846	0.9166667	32.8205128	0.0000000	7.9429825	30.7393939	7.1983471	3.7055215
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[37882]	46.2307692	56.1134021	15.4102564	54.3743316	16.9458128	11.6074766	29.9517544	0.0000000	1.5307018
[37891]	10.7175926	6.8275862	34.3441558	18.4356061	23.5450980	2.0701754	5.6256158	9.2871795	16.0721650
[37900]	6.1818182	15.2731482	32.7660377	33.6428571	1.1237113	4.5757576	28.1439394	3.7329843	0.6205128
[37909]	1.1030928	16.7025641	12.2068965	8.1546392	22.4117647	6.8102564	2.3505155	8.6682243	24.1515152
[37918]	9.2205128	30.3507853	4.1550802	23.6391753	40.8534031	10.6153846	10.2512821	0.0000000	9.3057851
[37927]	0.6484848	21.4064171	16.3664921	19.5418719	48.2000000	40.3471698	16.5490196	10.5282051	24.7935897
[37936]	3.7958115	21.1742138	8.6959459	20.6578947	24.9018692	12.9752066	2.2208589	1.1030928	0.6205128
[37945]	0.4196078	1.4666667	46.4074074	7.9834711	37.3680982	4.0000000	1.3686275	56.7913043	0.0000000
[37954]	31.4727273	62.6403941	5.8333333	15.8062827	34.9947644	3.1623037	9.7768595	5.9930070	13.5934579
[37963]	0.0000000	26.6869159	19.5123967	54.6694215	28.4117647	26.0489510	0.0000000	6.7389163	2.5314685
[37972]	28.4948454	4.4769231	8.4579439	35.4490566	20.4299065	14.4956522	8.5654450	17.0104712	3.9917355
[37981]	17.9669422	7.4214876	2.4769231	11.5000000	3.9008264	0.7333333	17.3384615	0.7229730	1.0000000
[37990]	0.6564417	11.8512397	9.9076923	3.3575758	5.8181818	17.1042945	3.2770270	0.0000000	17.1538461
[37999]	0.0000000	0.8175676	0.0000000	0.8461538	3.3454545	26.8144330	36.5508021	8.3356643	1.1937173
[38008]	35.2009346	61.1168224	3.7319588	22.0103093	4.0245399	9.7770270	0.0000000	0.0000000	1.5812808
[38017]	14.6233766	36.8271028	0.0000000	8.2447552	2.8424242	0.0000000	42.5773196	7.0303030	38.9358289
[38026]	10.4132231	0.0000000	6.8717949	3.4797297	2.1184211	13.9757576	4.4212963	23.4252336	66.8043478
[38035]	39.5000000	18.3966942	0.0000000	47.6993865	13.9752066	3.7482517	0.5960591	7.3212121	5.3435583
[38044]	4.3939394	1.4666667	5.1962617	0.6205128	4.7586207	3.2803738	0.0000000	0.0000000	1.8952880
[38053]	17.8923077	3.1888112	10.6033058	0.0000000	0.0000000	11.4450262	0.0000000	0.0000000	0.0000000
[38062]	0.0000000	3.9917355	1.1030928	1.7914439	19.5698113	0.0000000	5.4870130	0.6335079	0.0000000
[38071]	0.0000000	0.0000000	2.3426573	9.9300699	3.7061404	13.7234849	28.0339623	1.8564103	0.0000000
[38080]	0.0000000	7.3128834	8.8377358	11.6791444	7.7294118	6.8771930	13.1229947	29.0213904	1.2410256
[38089]	1.8952880	5.5176471	8.0871795	41.0792453	3.5878788	18.0389610	3.5076923	1.3686275	5.6806283
[38098]	30.7336449	44.4195804	20.0943396	17.6280992	14.1025641	4.7675439	16.9729730	38.9350649	39.3377193
[38107]	14.1025641	42.7310606	26.7412587	42.7339901	22.8941176	50.7192983	58.2931937	19.4490566	12.7282051
[38116]	15.1727749	21.6242424	10.8969697	6.6717949	32.1885965	11.6288660	7.4307692	33.2396694	13.2198953
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[38134]	6.5030303	17.4848485	4.9917355	11.6974359	17.7791411	27.8666667	13.1030303	45.4825175	18.4278075
[38143]	43.2377358	16.6551724	2.0552147	20.2303665	19.1282051	44.6687117	17.9020979	28.4679245	51.3739130

[38152]	27.4958678	21.1753247	25.7801047	17.5636364	27.8531469	24.7743590	37.9371728	3.7179487	18.8952880
[38161]	12.9893048	35.4532710	24.1393939	29.3640351	48.4639175	19.6020942	27.7603306	18.9685864	7.8245614
[38170]	22.6909091	13.6363636	28.4502618	23.5889571	13.5076923	33.2245989	16.3622642	30.0905660	1.2410256
[38179]	1.6923077	39.0324675	88.4935065	15.9025641	18.6310160	20.6862745	2.1939394	24.7743590	0.0000000
[38188]	34.6578947	44.7272727	12.9864865	29.1076923	5.8545455	39.1471698	28.6078431	17.3384615	41.7260870
[38197]	35.5396226	23.7132075	47.7768595	24.1515152	21.3948718	19.9175258	26.2666667	25.5333333	38.6666667
[38206]	17.6134969	18.0920245	36.0366492	26.9173554	76.3648649	23.3070175	16.9473684	8.3356643	23.1271930
[38215]	23.0000000	8.9834711	34.3846154	75.8429319	86.4189189	1.4666667	11.5026738	4.9793814	30.8556701
[38224]	17.7149533	5.5497382	1.6157407	48.2061856	54.7924528	28.3487180	0.5307018	18.5614973	2.1411043
[38233]	2.9272727	10.5608696	0.0000000	8.5935829	41.1336898	2.8771930	20.7342657	34.9484536	3.6694215
[38242]	1.8564103	24.8466258	1.8564103	1.0000000	3.0974359	0.5487179	30.4122807	0.7333333	48.6288660
[38251]	13.7304348	0.0000000	0.0000000	2.3506494	0.6205128	8.6717949	0.5602094	48.8595041	30.1657754
[38260]	6.8102564	10.7486911	34.3207547	2.1939394	16.0256410	9.6495327	21.1649485	30.3842364	4.6542056
[38269]	0.0000000	3.8890052	9.9112150	3.9179487	26.4491979	8.6401869	3.5080214	0.6335079	7.1435897
[38278]	1.8952880	1.5944056	6.3140496	1.5714286	0.8461538	1.0974359	35.1818182	6.4363636	1.0614035
[38287]	4.4204545	15.9037433	17.2566038	18.3019608	10.6196078	15.8062827	12.5026178	17.3384615	3.9917355
[38296]	1.6806283	50.2834225	9.9440559	51.4742268	0.0000000	5.5743590	2.9272727	7.5183246	11.6223776
[38305]	11.3558282	11.6535088	25.5911330	33.9895288	9.5151515	55.1121495	7.8128079	12.9877301	1.2410256
[38314]	3.0470588	22.0788177	0.0000000	2.4405594	0.7333333	1.4846626	0.0000000	3.1623037	32.0607477
[38323]	5.3796296	7.9852217	7.7603306	9.9076923	25.2336449	0.0000000	3.7061404	21.3067485	16.1025641
[38332]	3.5454545	55.6304348	0.0000000	3.7319588	2.1939394	5.1937173	16.0837438	14.9283019	0.0000000
[38341]	3.1798246	2.9476440	2.9008264	0.0000000	0.0000000	25.0909091	2.8201754	0.0000000	0.0000000
[38350]	0.5721925	3.1623037	25.4470588	0.0000000	0.7857143	23.3190184	0.0000000	16.4675325	4.6491228
[38359]	0.5960591	3.1623037	10.4826087	39.4716981	3.6606061	16.8522168	0.6335079	7.7692308	13.1757576
[38368]	0.0000000	1.8295455	9.0820513	1.0087719	3.6185567	0.0000000	0.0000000	19.9632511	13.2577320
[38377]	15.8903509	2.9518717	0.0000000	2.5287958	14.1604278	11.4037736	21.3190184	0.0000000	13.6064815
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[38395]	16.1711230	16.4018692	3.4797297	2.1939394	26.0102564	20.6380368	60.5974026	19.9802956	6.1948718
[38404]	33.7686274	37.5570175	26.3454545	24.1515152	37.0745614	10.9090909	4.3333333	31.1315790	34.1433962
[38413]	8.0512821	36.3706294	14.7324561	24.0261780	9.7552448	11.3004926	12.9752066	13.0051282	7.0736196
[38422]	5.8245614	13.5058824	20.3801653	2.4692982	25.3640351	9.2205128	7.1724138	24.3680982	36.0175439
[38431]	1.2474227	13.9790210	11.6303030	16.1025641	11.7090909	22.6909091	50.6993007	23.4405594	20.2256410
[38440]	24.4299065	22.8506494	1.0785340	0.0000000	1.7024793	0.0000000	5.4424242	2.8062827	10.8905660
[38449]	8.2289720	1.0303030	3.3966942	1.9693252	0.6564417	0.0000000	0.0000000	16.8811189	22.4545455
[38458]	1.5454545	2.4018692	2.0606061	17.0424242	3.2797203	4.6428571	6.8461538	29.7062937	40.2056075
[38467]	20.2570094	1.1204188	5.0627451	12.6377359	0.0000000	0.5214724	0.0000000	0.0000000	0.4358974
[38476]	3.3260870	0.0000000	1.3376623	0.0000000	0.8716216	0.7456140	0.0000000	0.5151515	3.7434555
[38485]	1.1030928	1.0303030	0.0000000	17.7319588	5.0471204	0.0000000	1.1888112	0.0000000	0.0000000
[38494]	0.0000000	4.8943396	1.7165775	3.6308411	1.0528302	5.7272727	0.5307018	0.0000000	0.0000000
[38503]	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	4.6363636	0.0000000	5.6439791
[38512]	0.0000000	3.8760331	4.3426573	8.1704545	1.1915888	0.6564417	10.8068182	5.7698113	1.6717949
[38521]	11.7456140	0.0000000	0.0000000	1.4334975	0.0000000	10.3067485	0.0000000	0.0000000	1.4298246
[38530]	0.3971963	0.0000000	0.0000000	0.0000000	4.5123967	0.5307018	0.0000000	0.0000000	6.6830189
[38539]	0.0000000	5.8711656	26.2972973	1.1636364	0.0000000	0.8900524	0.0000000	0.8762887	0.0000000
[38548]	1.3350785	0.0000000	0.0000000	1.3350785	0.0000000	2.6701571	1.0785340	0.0000000	0.6354680
[38557]	4.4039409	13.5123967	20.1328671	17.0424242	0.0000000	0.0000000	16.6121212	44.0427807	2.6288660
[38566]	0.0000000	17.0534759	6.5757576	0.7024793	2.2460733	41.8342246	0.7456140	0.0000000	5.2150943
[38575]	10.7236842	28.6310160	0.5944056	5.1948052	5.9370629	0.5151515	5.6858639	0.5602094	0.9907407
[38584]	0.0000000	13.7058823	2.2941176	4.5215686	13.4871795	7.5863874	29.1546392	0.6354680	5.0575916
[38593]	3.8601399	23.1390374	4.7586207	3.0000000	26.4867924	10.5668449	25.0942408	13.8282209	0.0000000
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[38611]	17.6907217	10.4769231	33.8098160	14.6339623	1.4666667	0.0000000	23.0495868	3.5078534	2.8062827
[38620]	0.0000000	0.0000000	1.2670157	21.6013514	30.4294478	2.4769231	0.6335079	0.0000000	1.8564103
[38629]	13.8264151	13.1188811	6.9528796	3.7061404	0.6205128	1.2670157	0.0000000	1.1921182	6.8377193
[38638]	54.7216495	0.8941176	17.8423645	0.0000000	15.0000000	2.9272727	4.9509434	27.1550802	3.2078431
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[38656]	0.0000000	2.5877193	0.4692982	0.6335079	3.7333333	66.0181818	0.6205128	16.0979021	3.0570175
[38665]	19.0743243	21.4171123	3.0974359	29.1924528	33.2459893	4.8101852	4.3939394	2.5287958	1.8952880
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[38683]	42.8865979	2.3874346	35.4948454	23.0754717	0.0000000	1.2474227	12.1939394	11.7102804	0.0000000
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[38701]	9.8391608	4.1258741	3.0974359	0.0000000	0.5270936	0.0000000	1.3686275	0.0000000	2.8842975
[38710]	14.5575758	2.1411043	0.6335079	37.3130435	3.5811518	29.9924528	1.2474227	1.0614035	5.9924528
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[38728]	0.5000000	5.7525773	5.0575916	0.7333333	0.0000000	11.3098039	0.0000000	22.3865031	17.0974026
[38737]	18.7277487	0.0000000	6.5340314	0.0000000	0.0000000	2.2251309	4.4692982	0.0000000	9.8144330
[38746]	8.7643979	0.0000000	8.1575758	36.2512821	9.3505155	0.0000000	5.3350785	20.0151515	4.7897436
[38755]	33.2392638	0.5214724	0.0000000	41.8595041	5.5615764	0.0000000	0.0000000	0.0000000	0.0000000
[38764]	3.2237762	0.8717949	0.6335079	4.8282209	11.8128342	0.0000000	0.0000000	0.0000000	0.5151515
[38773]	15.5818182	30.2670157	1.3712121	24.3358491	0.0000000	0.0000000	29.6168831	15.1794872	1.0052356
[38782]	0.0000000	1.0614035	0.0000000	3.2331288	11.6544503	0.0000000	29.5333333	0.0000000	1.0374332
[38791]	0.0000000	0.7857143	0.6564417	0.0000000	12.4729064	37.4554974	1.7685950	41.9090909	1.2969697
[38800]	2.3114035	16.6098485	0.0000000	35.3298429	6.7310606	18.1038961	51.4025974	8.0418848	2.4385027
[38809]	5.3426573	4.2368421	6.5561497	8.9793814	1.8952880	6.9278351	0.0000000	0.5307018	1.2670157
[38818]	0.4745098	10.3814433	6.9370629	1.3137255	2.8663102	2.9917355	0.9605263	1.2410256	0.0000000
[38827]	5.5314685	8.9930070	24.0000000	0.0000000	3.5078534	0.0000000	0.0000000	0.4745098	0.0000000
[38836]	1.8952880	0.0000000	6.5187166	4.8016529	0.0000000	17.4780702	0.6335079	0.0000000	0.7857143
[38845]	3.9917355	6.3246073	0.0000000	1.0233645	29.4764398	92.5497382	21.9545455	0.0000000	0.0000000

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[38863]	0.0000000	1.6923077	9.2024540	4.8415094	1.0648148	0.0000000	7.8677686	2.9753695	10.8983957
[38872]	3.9370629	0.5307018	28.2941177	0.0000000	0.5487179	1.8941176	11.0794393	0.0000000	5.3140496
[38881]	20.7700535	0.0000000	0.7482517	15.6078431	2.9917355	11.8834356	3.7383178	0.0000000	0.7857143
[38890]	0.0000000	0.7333333	29.4628099	0.0000000	2.5314685	15.1652893	9.7102804	0.5602094	5.9408867
[38899]	4.0680628	25.4171123	40.1411043	0.0000000	63.8037736	0.0000000	39.2523365	0.0000000	7.4166667
[38908]	20.5811518	6.8115183	9.5841121	1.2670157	26.3689840	76.2331288	8.7663551	19.7913044	0.0000000
[38917]	0.0000000	0.0000000	1.5877193	47.9090909	1.0000000	6.8925234	1.3987730	0.0000000	4.0606061
[38926]	28.2850467	5.2447552	12.0104712	0.0000000	1.2670157	61.7921569	6.4137931	6.3019608	15.7757009
[38935]	34.1207547	82.4380165	22.0855615	21.7962264	12.8010471	0.6948052	12.6198347	14.5445026	7.9698113
[38944]	5.3426573	7.9834711	8.2410256	11.0824742	3.9917355	15.0618557	0.0000000	40.3598131	68.7762238
[38953]	1.8952880	45.1871658	24.2981132	17.7422680	66.7754011	0.5706806	0.0000000	46.9813084	0.0000000
[38962]	0.0000000	28.6923077	41.2727273	0.0000000	29.3865031	1.8952880	0.0000000	0.0000000	21.2242424
[38971]	8.6009852	0.0000000	6.3552632	2.8377358	32.8264463	0.0000000	0.0000000	0.0000000	9.4886364
[38980]	0.0000000	0.0000000	0.0000000	11.9752066	2.1296296	0.0000000	3.0974359	34.3368984	9.9381443
[38989]	42.6495327	35.1959460	4.6303030	54.0053476	35.1574074	1.4965035	3.5714286	0.0000000	0.7857143
[38998]	3.7482517	41.1168224	11.7486631	0.0000000	4.2760736	9.7939394	4.9793814	0.0000000	0.0000000
[39007]	11.0666667	32.2347826	14.1047120	0.6335079	44.5174825	11.6008772	23.4478528	60.1497326	56.4484848
[39016]	42.2207792	9.8461538	25.4158879	14.9304348	6.8859649	15.5887851	19.2000000	4.6528302	41.5416667
[39025]	10.1151832	41.7151515	0.5307018	5.2299465	0.5960591	0.0000000	36.4438503	0.0000000	42.9690722
[39034]	4.5575758	25.0559441	13.2000000	12.0320856	34.3089005	31.6073620	12.4973822	26.2513369	3.3006993
[39043]	31.9580420	6.2268041	4.7565217	15.0391304	0.0000000	3.7685950	11.3939394	15.6544503	0.6335079
[39052]	4.3939394	36.7792208	12.8983957	11.0820513	1.5000000	19.6410256	4.5244755	4.9793814	4.2981132
[39061]	2.7107438	5.1711230	10.7922078	1.2192513	14.3320755	7.8762887	6.9372549	0.0000000	0.6205128
[39070]	0.0000000	6.9753695	2.3686275	1.8564103	0.0000000	0.0000000	0.0000000	0.7333333	1.7685950
[39079]	7.7762238	17.6896552	0.0000000	4.8820513	36.2150943	0.6335079	17.3224299	6.9079755	7.5863874
[39088]	36.4304348	28.4158879	14.1333333	2.3636364	1.4965035	3.6847291	1.5944056	0.6335079	0.0000000
[39097]	19.5964912	0.5602094	0.5307018	0.0000000	0.6205128	0.8716216	26.7364865	0.0000000	46.0424242
[39106]	0.9490196	33.8991228	22.1308901	15.4130435	0.0000000	33.4397906	0.5307018	0.7423313	27.0000000
[39115]	11.0233645	13.2783505	19.7165775	0.0000000	10.7333333	0.0000000	4.0106952	16.0060606	42.1656442
[39124]	73.3068182	73.7434555	12.5019608	34.4112150	10.0614035	21.9398148	22.4256410	17.2879581	60.1780105
[39133]	58.5389610	47.3926380	24.8181818	15.9950739	20.9057592	18.0514019	26.6403941	23.5887850	15.9538462
[39142]	16.4121212	20.8925620	15.2060606	0.0000000	12.2461539	33.0855615	5.0575916	35.6217391	10.6784314
[39151]	0.0000000	37.7748691	14.2461539	18.0205128	15.6694215	35.6282723	39.1103896	40.6963351	27.0263158
[39160]	8.0509804	32.8219895	55.3271028	65.8969072	15.1568628	8.7801047	23.8947368	16.9720280	40.5333333
[39169]	52.2727273	55.1134021	13.9109948	13.0370370	26.3521739	19.5561497	9.9834711	21.4666667	29.0837696
[39178]	34.2500000	3.8016529	0.0000000	12.0839161	12.7647059	13.2774869	0.0000000	3.1363636	0.0000000
[39187]	0.5654206	0.0000000	7.0515464	37.7770270	10.1948052	8.9852217	28.3961039	11.0412371	10.3608247
[39196]	4.1258741	0.5602094	8.1434783	8.6223776	7.1696970	1.3686275	0.0000000	0.0000000	3.3782609
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[39223]	3.6352941	31.1121495	43.8909091	6.1818182	18.0820513	1.9454545	3.4385027	12.3522727	25.3897436
[39232]	14.9839572	17.7521739	2.2627451	25.2931937	0.0000000	0.0000000	0.0000000	27.9408867	10.7933884
[39241]	9.9440559	57.1418919	35.3350785	17.3384615	34.6102564	32.8205128	10.4122807	25.2931937	46.0695187
[39250]	27.0471204	15.3849057	13.9109948	28.0701754	3.1184211	0.0000000	3.0209424	3.5454545	19.3598131
[39259]	17.6446281	59.9690722	6.8831169	49.5000000	0.0000000	12.4666667	13.7719298	1.4846626	17.6775701
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[39286]	58.6082474	1.0000000	27.2739130	12.4132231	15.1846154	41.0330578	51.3842365	42.3368984	10.8000000
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[39349]	58.8923077	58.3691589	16.9294118	23.3926702	26.6307692	26.1384615	36.7009346	22.5882353	13.0051282
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[39367]	21.8251748	4.3939394	15.3696970	21.0745098	10.5706806	0.0000000	0.0000000	1.6461538	5.1212121
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[40402]	47.3114035	35.3155080	33.8991228	30.3435897	20.4909091	29.0512821	54.9568627	13.9109948	22.7402597
[40411]	5.7372549	23.3378378	0.6335079	9.9005236	10.6910995	3.6059113	24.8595041	10.1151832	6.3048128
[40420]	6.9528796	19.7254902	42.1025641	12.1151515	63.6742424	86.9338843	59.5925926	60.2102564	44.0046729
[40429]	21.4973822	51.4217391	32.6684492	29.9947644	49.4740260	19.9350649	20.5416667	2.1939394	10.6033058
[40438]	19.4554974	1.0000000	0.8842975	1.8564103	0.0000000	0.0000000	1.0000000	4.0887850	7.0534759
[40447]	24.4298246	0.5487179	0.7333333	10.6980392	23.0769231	5.0575916	1.2840909	9.6042781	4.8429319
[40456]	3.0209424	10.2484849	27.1404959	3.7958115	2.0000000	0.7482517	26.9743590	8.6980392	13.2075472
[40465]	14.8116883	4.7310606	4.4297521	0.0000000	1.4666667	15.7486911	8.5582822	21.3660377	45.3224299
[40474]	0.0000000	0.0000000	0.5307018	0.5307018	20.4716981	0.6335079	18.1086957	0.7333333	11.2769231
[40483]	18.6701031	2.3686275	0.0000000	14.2826087	0.0000000	0.0000000	0.5307018	50.0700935	3.9008264
[40492]	3.1798246	0.0000000	0.5307018	44.1822430	10.1296296	65.1229946	37.7272727	2.5260870	3.2627451
[40501]	31.8831169	34.6717949	29.3195876	13.9752066	3.6461538	10.8075472	14.5828877	2.6319018	4.5700935
[40510]	18.8504673	4.2827225	25.0106952	10.3212121	30.8115183	7.9669421	19.2347826	25.4181818	5.7151515
[40519]	0.0000000	0.6205128	0.0000000	2.6491228	10.4478528	20.1623037	8.8102564	0.0000000	0.0000000
[40528]	0.0000000	8.6223776	8.0962567	7.8895706	50.0129870	1.0000000	0.0000000	9.4090909	7.6784314
[40537]	1.8272251	21.5561497	37.8411215	0.4692982	5.3140496	1.2410256	19.9175258	2.2208589	9.0069930
[40546]	15.6256684	0.7333333	21.5460123	3.9411765	1.4666667	0.0000000	2.9660377	0.4196078	11.5487180
[40555]	1.4110429	0.0000000	1.4666667	12.6042781	0.0000000	0.0000000	0.0000000	0.0000000	20.3475936
[40564]	0.0000000	0.6484848	5.2299465	0.0000000	4.2368421	0.0000000	0.0000000	8.9679144	0.0000000
[40573]	10.9786096	1.2670157	28.2097902	10.9572192	21.2447552	1.2410256	3.7055215	26.9797297	7.5644172
[40582]	0.0000000	13.8866995	24.7094595	27.3581081	15.3026316	6.3513514	62.1443299	0.0000000	3.6606061
[40591]	10.3368984	6.5030303	0.0000000	29.4480519	28.4772727	25.1649485	0.0000000	0.6205128	3.4385027
[40600]	16.2392157	6.2512821	7.3212121	0.0000000	13.2412281	1.5714286	0.7333333	1.7179487	12.2909091
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[40618]	28.7320755	26.6666667	18.2969697	12.4536083	9.2577320	2.3215686	2.5287958	2.7685950	47.6701031
[40627]	28.9094340	0.0000000	0.0000000	0.0000000	0.0000000	3.7061404	2.8663102	6.205128	2.314685
[40636]	1.6759259	2.6491228	0.7333333	1.1030928	0.0000000	1.2474227	1.0000000	0.6335079	6.3552632
[40645]	4.7077922	0.9490196	1.1921182	14.6588785	0.0000000	3.8201754	1.2410256	11.7698113	0.0000000
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[40663]	0.0000000	0.0000000	3.7179487	14.9381443	0.0000000	0.8716216	5.2447552	1.2410256	0.6484848
[40672]	0.6335079	0.0000000	6.6288660	0.6205128	0.0000000	0.0000000	0.5260870	0.0000000	0.0000000
[40681]	13.3311688	7.2352941	0.0000000	0.0000000	4.3090909	10.2315271	41.5584416	25.0412371	21.4973822
[40690]	2.9162562	2.9917355	1.4666667	11.3793103	2.5287958	1.2670157	0.0000000	0.0000000	0.6335079
[40699]	0.0000000	0.0000000	27.3320755	0.7333333	3.1888112	5.0575916	4.4240838	3.1798246	3.0654206
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[40717]	1.2670157	0.0000000	8.7030303	0.0000000	2.1151515	24.7773585	20.1283422	23.1978610	5.9917355
[40726]	33.4710744	13.6907217	25.5654450	0.6335079	39.4867925	39.7700535	4.7149123	8.9930070	0.4745098
[40735]	4.3090909	5.0575916	0.8842975	4.6274510	0.6335079	3.3776224	2.1939394	6.9527027	0.0000000
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[40762]	10.9679144	0.4745098	4.1413613	0.7482517	45.1298701	2.9272727	0.6564417	6.1948718	8.1401869
[40771]	13.2470588	14.8760331	1.8564103	0.0000000	7.4166667	0.0000000	0.0000000	1.6806283	0.0000000
[40780]	14.5320197	4.9162304	6.2545455	15.2060606	0.8716216	4.9886364	10.0648148	4.9917355	19.0994764
[40789]	10.5874126	9.1058824	39.1962264	30.3435897	4.0810811	0.0000000	44.8627451	5.3426573	21.3948718
[40798]	2.6491228	54.0064935	26.0151515	54.7537879	34.0935961	45.7490196	22.7914110	20.9586777	45.4233129
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[40933]	61.0429448	69.1074766	7.4307692	14.5517241	22.1308901	37.1832461	5.5743590	22.9128205	4.7216495
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[40969]	1.2410256	2.1184211	0.0000000	5.2447552	17.3384615	21.0564103	2.1939394	2.1151515	45.4303030
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[40987]	3.1798246	1.2670157	11.6791444	1.8564103	2.1939394	0.8392157	0.0000000	18.5867769	13.5804196
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[41014]	0.0000000	0.0000000	41.6596859	1.1030928	25.8659794	17.2085890	31.6631016	7.2923077	0.0000000
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[41032]	0.0000000	20.6298701	1.8099174	11.8404908	0.0000000	4.7675439	1.5714286	3.7179487	0.4745098
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[41176]	36.0366492	5.6178010	12.6439791	44.8521739	32.3842365	3.9917355	59.3067485	24.0309278	0.5960591
[41185]	46.5867769	7.4659686	36.5287958	50.0060606	29.9345794	2.0000000	45.5130890	47.6558442	48.9158878
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[41266]	39.2371134	19.7314815	2.5240642	0.7857143	1.7685950	5.8545455	0.7423313	0.0000000	0.0000000
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[41302]	0.0000000	0.0000000	4.2432432	6.5794393	2.1689189	2.8986486	3.4797297	0.0000000	42.9415584
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[41320]	0.7482517	0.0000000	1.7933884	0.0000000	0.0000000	0.0000000	0.0000000	4.5259740	0.8716216
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[41464]	60.4662162	54.4662162	11.9962264	26.0714286	17.0614035	34.8333333	32.4350649	23.6216216	39.4217391
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[41545]	5.1840491	9.2075472	36.8271028	17.2620321	0.0000000	10.7283019	9.9074074	0.0000000	0.0000000
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[41563]	46.3471074	45.4805195	10.3169811	0.0000000	57.0515464	5.7272727	1.3660377	36.4755245	2.8941176
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[41635]	19.1282051	9.9738220	14.3026316	8.6495327	7.5034965	3.6728972	2.4769231	0.7423313	5.5743590
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[42904]	7.3878788	1.1030928	0.5602094	19.9893048	1.2969697	17.2532467	35.1472393	22.9859813	0.5307018
[42913]	10.0514019	1.0000000	1.6923077	0.0000000	0.0000000	0.0000000	2.1308411	3.1435185	0.0000000
[42922]	2.5287958	12.7727273	2.5287958	21.7616822	7.4166667	36.3368984	57.1443850	1.1937173	3.0467290
[42931]	15.4723926	62.9690722	40.7857143	5.4764398	37.8247423	0.0000000	20.1215686	0.6335079	0.0000000
[42940]	14.6149733	12.8862745	0.7482517	0.0000000	8.6233766	0.0000000	0.0000000	8.0552147	1.1692308
[42949]	9.0037736	5.9256757	0.7857143	7.2371134	0.0000000	1.5877193	6.7102804	1.1308411	5.5176471
[42958]	0.0000000	33.7132075	31.7807017	15.3696970	0.0000000	1.2670157	0.0000000	1.1921182	4.4226804
[42967]	0.6335079	0.0000000	0.0000000	0.6948052	0.0000000	0.0000000	7.2923077	0.0000000	0.0000000
[42976]	1.1030928	0.0000000	0.0000000	0.0000000	0.0000000	2.0138889	4.0570175	29.0490798	71.8969072
[42985]	40.1924528	7.3116883	6.5878788	16.2245989	1.2474227	0.8842975	0.0000000	8.0674847	20.1623037
[42994]	0.0000000	18.5221675	2.5287958	7.5874126	2.0000000	0.5307018	0.6205128	1.0614035	20.6578947
[43003]	1.4666667	3.7958115	1.1030928	1.7433155	14.9175258	25.8534031	2.1753247	20.2041885	67.9160839
[43012]	2.3246073	0.0000000	2.4948454	0.8842975	1.2670157	4.4226804	61.4417178	73.8969072	15.5051546
[43021]	2.4948454	3.6260870	37.9650350	11.2377622	0.0000000	0.0000000	18.6597938	34.5046729	38.6524064
[43030]	11.0363636	9.5644172	0.7333333	30.3037383	1.7165775	2.0000000	1.2670157	9.9381443	51.4755245
[43039]	44.9381443	12.8247423	20.8457944	8.3521739	18.3283019	10.1188811	0.0000000	13.8235294	8.2663551
[43048]	3.0454545	10.0245399	36.1963190	76.7113402	22.5287958	56.6844920	31.9650350	6.9834711	0.7482517
[43057]	1.1692308	34.8240741	51.7663551	5.9220779	15.3056604	8.9868421	39.8342246	3.4948454	11.2061856

[43066]	11.1228070	1.8770053	2.6528926	14.4705882	0.0000000	7.8150943	6.0462963	3.5046729	1.7882353
[43075]	9.5360825	25.4432990	3.7958115	0.5654206	1.4666667	27.2727273	7.7319588	4.5555556	0.0000000
[43084]	2.3506494	0.0000000	0.0000000	0.0000000	2.9411765	0.0000000	0.0000000	0.0000000	0.0000000
[43093]	0.0000000	0.0000000	0.0000000	0.5828877	7.0584416	1.0000000	3.3886792	0.0000000	0.0000000
[43102]	0.0000000	0.0000000	3.7319588	8.2513369	0.0000000	4.7832168	0.6335079	40.2680412	0.0000000
[43111]	3.0000000	47.0943396	0.0000000	0.6205128	1.0000000	11.1509434	0.0000000	16.1347826	0.0000000
[43120]	0.0000000	14.3796791	0.0000000	63.3051948	7.4606061	0.7333333	0.0000000	0.5721925	10.7762238
[43129]	2.9917355	15.1212121	28.7850467	17.8556150	16.5794393	0.0000000	13.5401070	3.7319588	3.0890052
[43138]	4.7616822	3.0454545	31.2303665	5.8245614	3.6590909	10.8392157	6.6042781	0.0000000	0.0000000
[43147]	0.0000000	0.0000000	0.0000000	1.0000000	0.0000000	29.6282722	14.3190184	2.8260870	22.4980392
[43156]	7.7938596	36.6688312	0.0000000	27.1497326	15.0530303	4.5811321	10.9086957	3.0046729	0.0000000
[43165]	11.1570681	0.0000000	0.5601852	36.2045454	0.0000000	0.0000000	0.0000000	0.0000000	1.2474227
[43174]	1.4965035	22.4740260	12.0979021	0.0000000	1.2941176	20.2992424	31.8641509	8.0093458	7.4166667
[43183]	31.2500000	0.0000000	0.0000000	0.0000000	8.2886598	71.1973684	0.7857143	53.4025974	1.2410256
[43192]	27.2716981	35.9278350	12.7056075	12.1074766	20.3664921	0.0000000	20.8551402	2.7882353	1.6351351
[43201]	3.9960784	0.0000000	0.0000000	0.0000000	3.8792453	0.0000000	2.2447552	0.0000000	3.7958115
[43210]	0.0000000	38.9220779	0.7857143	1.4459459	2.2061856	4.8760331	0.0000000	9.3475936	0.8461538
[43219]	6.2894737	14.8930481	3.4385027	1.6461538	2.2941176	1.5714286	5.9469697	7.8060606	0.4583333
[43228]	0.5960591	10.8943396	4.9917355	6.3552632	1.5739130	2.2061856	0.0000000	0.0000000	15.2192513
[43237]	0.0000000	6.5878788	0.0000000	4.9720280	1.2670157	3.9917355	1.1443850	12.1842105	7.5874126
[43246]	2.0552147	1.2192513	2.5207547	4.4869110	26.5757576	31.1756757	2.1019608	0.7333333	12.0797546
[43255]	29.7987013	5.3743316	0.0000000	5.2887701	8.3636364	1.3686275	43.1169811	0.5000000	1.4846626
[43264]	47.9790210	4.7010309	10.5925926	11.0855615	8.5289256	0.0000000	0.6564417	11.8784314	1.1308411
[43273]	0.0000000	0.0000000	2.1411043	0.0000000	0.6470588	7.0584416	1.5944056	1.3660377	0.0000000
[43282]	0.0000000	54.7216495	0.0000000	64.3108108	9.6223776	17.3374233	15.2371134	0.9622642	0.0000000
[43291]	39.4438503	0.0000000	0.4692982	9.8378378	34.6944444	26.3006135	25.9719626	55.2142857	3.5051546
[43300]	0.0000000	0.0000000	0.0000000	0.5519481	0.0000000	2.8867925	4.0841122	9.9285714	4.6117647
[43309]	9.9358491	2.2943925	11.0247934	1.1486486	37.9155844	9.4121622	9.8820513	0.0000000	5.9930070
[43318]	1.1471698	0.0000000	0.0000000	0.3971963	0.0000000	1.1184211	0.0000000	1.1486486	0.0000000
[43327]	38.9256757	0.5721925	0.6484848	0.0000000	1.8272251	8.7603306	6.5187166	0.8175676	10.9278351
[43336]	4.3333333	0.0000000	2.8905660	1.7878788	6.5337838	0.0000000	3.5215686	0.5307018	25.7922078
[43345]	26.6418919	9.6712963	3.1888112	3.6096257	3.1363636	6.7294118	7.4166667	35.2974359	6.6792453
[43354]	7.9408867	26.8663102	23.2570094	21.6822430	4.6012270	0.7333333	0.0000000	0.0000000	8.9834711
[43363]	12.5076923	5.8245614	26.6117647	41.9805195	61.8867925	36.5154639	2.6528926	13.9030303	44.1752577
[43372]	70.5104895	30.5154639	7.7319588	52.6739130	18.5664336	1.3987730	3.7958115	7.5132075	9.8862745
[43381]	14.7731959	8.9245283	1.4666667	36.7196262	60.2429907	17.4935065	8.6492147	3.7061404	8.0512821
[43390]	0.0000000	3.7179487	0.0000000	0.8842975	5.9917355	23.7272727	10.8677686	38.4956140	12.9333333
[43399]	18.7434555	5.1042945	18.0206186	34.8659794	41.6853147	36.9484536	2.3711340	11.0560748	12.3521739
[43408]	1.5327103	6.6905660	7.7603306	4.2666667	2.0000000	4.4264151	4.8760331	2.8701299	6.1948718
[43417]	6.3246073	12.6439791	2.8663102	26.6059113	4.7107438	7.3987730	32.4195804	60.0661157	10.4554974
[43426]	53.3048128	14.7412587	9.3925234	2.1939394	20.2102804	2.8424242	16.4293194	29.7870370	1.4846626
[43435]	3.6461538	23.0413223	47.2638889	39.4452830	16.8324607	45.3636364	24.4294478	0.0000000	0.0000000
[43444]	0.0000000	7.0747664	6.1030928	26.4351852	0.6335079	3.3137255	23.3926702	60.0981308	1.2474227
[43453]	4.9962264	6.5093458	24.5187166	17.8691589	8.8895706	5.1212121	1.8564103	2.6491228	20.8705882
[43462]	42.0150943	15.9669421	24.5515152	41.3298969	76.5384615	49.7113402	4.5567017	9.7565217	45.3636364
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[43480]	16.1099476	2.6491228	9.2205128	1.1443850	4.3333333	1.1030928	5.6694215	2.9917355	36.6822430
[43489]	12.3575758	30.9738220	9.0490798	15.6909091	66.9381443	37.7319588	26.2251309	40.5034965	39.3433962
[43498]	4.6082474	14.5934579	27.3217391	2.2570093	7.2301887	6.9834711	6.1948718	2.0000000	4.5396226
[43507]	3.7685950	0.6948052	4.4240838	2.5287958	4.4240838	19.4919786	13.7803738	8.0082645	10.0245399
[43516]	28.1958042	8.8842975	75.6387435	42.4919786	18.1748252	4.3878505	4.3939394	11.1682243	1.0000000
[43525]	4.9162304	18.4075472	2.7975460	3.5743590	18.3057851	60.0879630	43.3849057	38.7015707	5.5092025
[43534]	33.2923077	11.5454546	9.7692308	5.8424242	0.0000000	11.5887851	7.8969072	33.2731481	4.4240838
[43543]	25.8862745	56.9476440	132.4462810	18.0087719	34.5347594	8.2931937	7.5240642	1.5714286	5.0945946
[43552]	5.5263158	3.3508772	1.5327103	0.0000000	3.2007576	0.0000000	6.0974026	14.6745098	1.2670157
[43561]	2.2662338	7.0186916	17.1978610	10.8969697	14.6043478	2.5000000	0.6335079	3.0106952	0.0000000
[43570]	1.6824324	0.0000000	4.7260870	0.5307018	0.0000000	5.6178010	77.5974026	3.4385027	6.3246073
[43579]	11.8971963	0.5828877	5.0699301	18.2242991	19.7584906	2.6081081	45.5743243	29.0135135	30.9175258
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[43597]	4.4965035	21.0309278	9.9587629	2.3711340	3.7958115	2.6528926	4.6012270	2.6528926	0.7423313
[43606]	0.0000000	6.9072165	2.9272727	1.2474227	2.0000000	0.0000000	2.4948454	5.0575916	3.1623037
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[43624]	13.8144330	5.4870130	6.5030303	0.0000000	3.4536082	2.0000000	4.1550802	2.3384615	6.6820513
[43633]	2.4554974	2.9917355	5.6910995	2.5287958	3.9917355	2.6515152	43.0909091	8.3660377	36.4171123
[43642]	2.0000000	0.0000000	1.2670157	5.2456140	6.5878788	3.1623037	3.7958115	3.3607843	0.6335079
[43651]	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.0000000	1.8952880	5.0575916	3.7055215
[43660]	0.0000000	2.6491228	18.8251748	8.1682243	12.0492424	12.7105263	8.8534031	28.4502618	5.5093458
[43669]	22.6566038	27.0000000	20.5614973	12.5433962	18.5547170	22.0867925	18.8272251	0.0000000	6.8831169
[43678]	16.1391304	10.5282051	8.6798030	25.6470588	5.2982456	14.2371134	31.5454545	6.7412587	10.8862745
[43687]	24.0412371	4.4240838	28.1604278	11.7641026	17.4921466	0.5828877	3.0890052	3.7958115	1.2410256
[43696]	1.8842975	3.7061404	36.6257669	21.2242424	1.9693252	8.6060606	42.2757009	15.0037736	6.1230769
[43705]	50.1883117	6.1818182	52.7792208	8.6717949	13.3564815	1.1308411	0.5046296	4.7372549	56.9415584
[43714]	30.4113208	0.0000000	31.5233645	0.7333333	44.1137255	11.7532468	51.6439791	25.1176471	2.8770053
[43723]	24.4610390	13.9622641	0.6564417	1.2474227	1.1030928	9.7486911	0.0000000	9.5668449	4.6871166
[43732]	5.6910995	12.2710280	7.8441558	13.2061856	12.3607843	20.0000000	3.4385027	34.6754717	4.0106952
[43741]	1.3987730	8.3850267	0.5721925	0.0000000	1.7424242	1.0000000	0.0000000	20.7870370	19.5000000
[43750]	33.6185567	4.7077922	5.5706806	31.6233766	82.7552448	29.1471698	50.9766355	16.6959459	10.5350877
[43759]	25.6883117	3.6606061	48.7663551	24.3048128	8.7113402	9.9738220	7.8859649	30.3689840	3.2606061

[43768]	23.0420561	56.2727273	21.6074766	21.5467980	11.0934579	0.0000000	17.8512397	20.3924528	8.1465969
[43777]	7.9693252	52.7500000	69.8901515	33.4439252	24.8784314	50.8111888	10.0189394	51.8770053	57.0256410
[43786]	13.0886699	4.8878505	5.4870130	30.7393939	5.7607362	15.7803922	8.5877193	43.2024540	14.8980392
[43795]	17.3254902	13.4110429	6.6188679	5.6910995	1.3686275	30.3422460	13.2774869	21.9896907	17.1623377
[43804]	18.2969697	36.5482456	28.4502618	0.0000000	15.7975460	34.5384615	1.5944056	47.2521739	7.9834711
[43813]	44.0471204	58.9859813	56.5560748	72.9074074	1.2474227	2.7462121	1.1030928	0.5706806	31.1325758
[43822]	5.2162162	34.6824324	19.4150943	0.0000000	0.0000000	1.2474227	0.0000000	0.8188679	7.5863874
[43831]	2.1184211	8.6060606	33.5622641	16.8691589	7.8251748	2.3589744	7.3518519	33.5560748	20.1271930
[43840]	30.7433155	3.1363636	9.0043860	9.8021390	24.5811321	0.7423313	3.1798246	11.1122995	12.6363636
[43849]	9.4078947	4.0106952	0.0000000	6.2039216	2.3506494	1.1937173	7.8041237	4.2981132	30.2871795
[43858]	15.6082474	30.1958763	23.0368098	5.4870130	0.0000000	1.2670157	1.7832512	3.6196319	18.7584906
[43867]	0.7229730	0.0000000	4.9917355	0.0000000	7.9429825	1.4965035	0.0000000	0.0000000	19.5887850
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[43885]	1.5944056	6.5878788	0.8842975	1.2474227	13.5944056	1.8941176	11.1764706	14.8021390	2.2570093
[43894]	1.6820513	2.0000000	3.6564103	3.7061404	1.5405405	2.4975369	0.7423313	0.8712121	0.0000000
[43903]	6.1019608	5.2982456	10.2039216	0.5960591	0.0000000	0.0000000	0.0000000	4.5757576	1.1237113
[43912]	1.1030928	0.0000000	0.5307018	0.6335079	11.1487179	2.3903743	2.3506494	0.5601852	26.5849057
[43921]	4.4156863	1.8941176	3.7319588	1.5944056	3.3694581	13.5654206	30.7719298	2.6000000	20.8865979
[43930]	35.3377193	29.1448598	20.3286713	1.0000000	1.6157407	29.8620690	39.8453608	8.4736842	9.8144330
[43939]	35.5169811	13.6783217	21.4285714	37.0627451	8.9834711	46.0521739	22.2256410	29.0129870	10.5897436
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[43957]	3.5398773	0.4583333	9.0043860	8.5935829	9.4090909	0.0000000	2.1184211	0.9490196	25.8196078
[43966]	1.5877193	5.7603306	5.2787879	7.2561576	31.8727273	13.6566038	1.2670157	10.0197044	8.0418848
[43975]	2.1939394	4.4240838	2.9917355	3.0454545	0.0000000	3.0000000	1.6759259	2.9631902	11.7132867
[43984]	40.2148760	25.2392157	9.9440559	42.3776224	18.4675325	28.3916084	3.4969697	8.2198953	56.6363636
[43993]	16.9473684	12.1176471	2.2941176	4.6603774	5.0700935	0.0000000	0.4196078	5.0303030	0.0000000
[44002]	15.7005348	10.1104294	1.2266010	0.0000000	2.9848485	8.1893939	14.7593583	5.1568627	0.0000000
[44011]	9.9372549	3.5233645	0.0000000	2.4187192	10.7272727	2.5207547	5.4417178	0.7333333	6.3048128
[44020]	18.4919786	24.6203209	27.6932515	40.2348485	6.3743316	42.1925134	26.7975460	0.0000000	0.0000000
[44029]	1.5944056	14.8301887	1.4666667	0.0000000	2.0000000	3.5714286	14.1678322	5.8878505	9.4705882
[44038]	9.9076923	8.0052356	8.4424242	6.4078431	0.7333333	1.1937173	0.0000000	0.0000000	0.0000000
[44047]	37.2989691	25.1333333	56.3566434	48.1678322	0.0000000	2.8663102	42.9839572	15.7000000	2.6491228
[44056]	24.5392670	29.3257576	1.1921182	34.8981132	5.9846154	52.4615385	25.7943925	47.3917526	9.6791444
[44065]	3.5714286	3.2705882	12.9086957	1.7882353	0.6470588	31.6150943	21.6566038	5.0373832	0.0000000
[44074]	32.0648148	4.5757576	0.7333333	0.8264151	0.6205128	8.5272727	15.5614973	3.2268519	32.0000000
[44083]	20.8895705	40.1695652	0.5654206	0.0000000	7.9429825	3.6649215	27.3692308	15.4666667	12.9877301
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[44110]	8.0093458	15.8113208	0.0000000	2.6491228	0.0000000	1.8952880	6.6018519	2.9272727	10.9197861
[44119]	11.7631579	19.6391753	14.2377358	14.4064171	19.3246753	2.4051282	8.7102804	0.0000000	3.3776224
[44128]	14.3529412	3.3224299	3.8352941	20.7938144	3.9120370	2.1509434	22.0373832	3.0000000	0.5601852
[44137]	10.9280303	39.2644628	11.3971963	0.0000000	4.9793814	4.5785124	26.8952880	3.0789474	7.8741259
[44146]	4.5396226	4.9162304	18.5950413	16.3176471	7.4491979	19.1897436	4.8659794	7.2887701	2.9272727
[44155]	20.8461539	25.1042945	1.5944056	4.6168831	6.8113208	4.7077922	14.3608247	21.8247423	7.3863636
[44164]	2.2627451	1.2474227	7.6941176	3.7958115	0.0000000	0.0000000	5.5700935	9.3680982	14.5445026
[44173]	4.0106952	2.2061856	0.8264151	1.3764706	0.0000000	1.5714286	2.6491228	5.4923077	38.9695652
[44182]	57.1711230	15.5925926	1.0747664	0.0000000	24.3925230	6.1983471	5.9411765	38.4705882	13.6783217
[44191]	9.7216495	5.6235294	2.4948454	15.4812834	36.9786096	15.4242424	8.6717949	20.2453704	36.0482456
[44200]	73.2830189	46.9719626	38.9358491	23.8571429	33.6666667	2.4405594	16.4210526	5.4025974	3.1623037
[44209]	5.4886364	26.9518717	0.5307018	10.5185185	1.1937173	1.8952880	6.5418719	44.0131579	0.0000000
[44218]	0.6335079	0.0000000	0.0000000	7.2406417	2.5287958	8.6446281	1.2474227	14.1333333	13.9786096
[44227]	57.1688312	34.9927835	48.7433155	1.5747664	33.5743590	7.1775701	2.3566434	0.0000000	7.7482517
[44236]	0.0000000	19.0657895	1.5173913	24.5773585	6.9507576	3.9370629	4.3939394	5.1550802	17.0515464
[44245]	0.5721925	19.1283019	1.0614035	2.3506494	5.8502674	7.2164948	1.2474227	0.0000000	3.7333333
[44254]	0.0000000	1.6915888	0.0000000	1.0654206	1.1237113	1.1030928	8.0509804	1.4965035	1.2159091
[44263]	21.6216216	16.8378378	19.2192513	3.5979381	0.0000000	40.5304348	41.9318182	6.6564417	5.4214876
[44272]	4.7077922	5.2617801	12.7525773	0.0000000	16.9214660	2.1272727	26.7310606	0.0000000	5.1635514
[44281]	3.1184211	0.8461538	1.2474227	0.0000000	2.9732620	28.6577540	1.2941176	4.2944785	0.0000000
[44290]	3.7061404	0.0000000	8.7905759	1.0614035	1.0000000	0.5307018	1.0614035	1.1921182	0.0000000
[44299]	17.2620321	1.2474227	14.0313726	19.9175258	3.9753695	6.1818182	0.0000000	36.8311688	4.9722222
[44308]	0.8461538	0.0000000	1.4965035	0.0000000	0.0000000	0.5828877	0.4583333	0.6335079	9.7379679
[44317]	68.4716981	37.8167539	48.0981308	28.1604278	47.4130435	58.7333333	54.5876289	0.0000000	1.5739130
[44326]	0.0000000	0.0000000	0.0000000	9.5962264	0.0000000	8.4480519	6.0981595	8.2198953	3.3445946
[44335]	0.8392157	8.5841121	6.8289474	15.6818182	25.4226415	0.0000000	0.0000000	66.4158879	39.6363636
[44344]	69.8716577	26.4265734	53.5280374	16.9622641	0.0000000	2.8663102	29.2348485	3.7958115	2.0701754
[44353]	0.0000000	9.5350877	0.0000000	0.0000000	0.0000000	0.0000000	0.5000000	0.0000000	2.2941176
[44362]	2.9735849	0.5307018	0.4196078	9.8128342	1.3712121	0.0000000	13.1871658	5.8245614	27.8257576
[44371]	21.5606061	14.7700535	12.3701299	34.4000000	21.3055556	34.3811321	2.9768519	21.0844156	16.8363636
[44380]	16.4210526	25.7762238	0.0000000	28.3564815	15.4018692	0.0000000	6.5259740	12.4293194	1.0000000
[44389]	23.8333333	6.4088670	4.2803738	47.6558442	25.8638743	3.6606061	0.0000000	1.2941176	1.4666667
[44398]	0.9166667	25.8969072	9.4672897	10.1948052	0.4196078	1.0648148	34.4662162	20.9527027	5.1657754
[44407]	39.0472973	13.4810606	23.8310811	29.7077922	17.1148649	15.4639175	11.0265151	26.6824324	0.0000000
[44416]	0.8461538	0.6335079	0.0000000	53.5078534	35.2229730	11.0754717	2.9625668	0.0000000	1.6157407
[44425]	19.0374332	0.6335079	0.0000000	1.6923077	0.0000000	15.2549020	0.5828877	0.4583333	1.2670157
[44434]	0.7333333	2.1308411	4.9793814	10.1151832	0.0000000	34.7121212	0.0000000	2.4459459	11.2310606
[44443]	9.8376623	4.0106952	6.1948718	21.1885965	9.9076923	11.9869565	18.3350785	57.7652174	37.8601399
[44452]	1.4846626	7.5863874	23.5259740	6.2617801	6.6701571	7.0515464	1.5944056	3.2056075	3.4948454
[44461]	0.7333333	0.0000000	6.7843137	2.1689189	24.7763158	4.2139037	27.5093458	4.3939394	3.1363636

[44470]	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	1.4965035	17.7727273	0.6205128	56.9202454
[44479]	42.5565217	0.0000000	0.0000000	40.0461539	21.6578947	0.0000000	7.9579439	18.9586777	2.1939394
[44488]	0.0000000	37.1589744	23.5568628	0.0000000	51.1897436	24.1538461	0.0000000	0.0000000	0.0000000
[44497]	0.8716216	0.0000000	0.7333333	0.0000000	0.0000000	0.0000000	0.0000000	17.8347107	0.6335079
[44506]	61.9818182	1.0654206	51.6000000	33.0701754	16.9720280	26.8347107	3.0358974	45.4502618	18.5394737
[44515]	0.0000000	42.0410256	0.0000000	0.0000000	1.3128834	0.0000000	13.3596059	29.7282051	34.6820513
[44524]	16.1960784	15.7329843	42.2848485	0.0000000	0.0000000	0.0000000	43.9025641	28.4824561	11.5140187
[44533]	22.6909091	32.8795811	0.0000000	37.1589744	69.6168831	31.3571429	12.7546012	15.9358289	10.1963190
[44542]	5.8271028	0.0000000	17.5607843	18.5567010	47.7176471	10.5794393	22.2406417	0.0000000	2.2208589
[44551]	0.0000000	0.0000000	2.6491228	0.0000000	0.0000000	0.5960591	0.5307018	13.5051546	0.0000000
[44560]	0.0000000	1.1203704	0.0000000	13.0280374	12.2476636	1.2474227	9.5773585	4.9411765	3.5714286
[44569]	0.5307018	0.8461538	0.0000000	9.6705882	5.8021390	10.4598930	3.6491228	3.9370629	1.3215686
[44578]	4.4845361	1.1443850	3.5227273	8.1497326	18.7539267	6.1176471	5.4475524	8.2304348	11.4975370
[44587]	1.9000000	0.0000000	1.2474227	2.7962963	0.0000000	0.0000000	9.0534759	0.0000000	7.9429825
[44596]	4.7675439	8.5254902	1.2670157	0.0000000	4.4304348	7.9128788	6.2727273	6.9528796	14.8615385
[44605]	1.1692308	1.2660099	1.5327103	2.5140187	34.5064935	25.2931937	18.4652174	1.5714286	41.6484849
[44614]	10.0841121	52.6410256	40.1574074	2.9631902	43.9692308	43.8317757	34.0837696	17.1958763	18.3776224
[44623]	14.5347594	3.5398773	1.0000000	3.3776224	0.4745098	0.0000000	2.0641509	0.0000000	1.3712121
[44632]	1.0000000	0.6335079	5.3426573	2.5287958	0.0000000	3.9120370	6.0280374	0.0000000	3.9370629
[44641]	10.7333333	7.5863874	39.4482759	0.0000000	0.0000000	3.1280788	1.0000000	15.8062827	5.9930070
[44650]	0.0000000	3.7061404	3.7958115	1.6759259	0.0000000	1.8952880	6.9886792	0.0000000	0.5601852
[44659]	3.5568182	5.1212121	0.5000000	0.5307018	2.5981308	53.4064171	12.0000000	36.7525773	38.0087719
[44668]	49.6428571	11.2061856	69.2467532	32.0217391	0.0000000	3.7482517	8.1893939	1.1921182	1.2670157
[44677]	5.6910995	0.0000000	0.0000000	45.2757009	5.7272727	0.0000000	3.0855615	0.8716216	33.9897436
[44686]	0.0000000	4.9917355	0.0000000	2.3426573	13.1401869	53.3796791	0.0000000	0.0000000	3.1674877
[44695]	25.9204545	9.4433498	58.8235294	23.2597403	22.3711340	22.7803922	64.5187166	51.7552448	32.2051282
[44704]	40.3076923	76.8235294	56.3657407	17.2879581	1.2941176	3.1271930	2.6491228	9.8392157	1.2474227
[44713]	24.8947368	26.5843137	0.0000000	2.9476440	22.6588235	3.8560606	3.2803738	20.8551402	37.2356021
[44722]	39.1989529	15.7593583	11.8055556	13.1735849	13.6051282	7.5863874	4.4188679	4.1283422	0.0000000
[44731]	1.0000000	42.3048128	42.2739130	90.1623377	0.0000000	1.4078947	30.7018868	4.0855615	44.6103896
[44740]	12.4480519	8.4264151	5.0699301	7.4377358	27.0370370	36.3114035	9.4331551	6.0186916	0.6335079
[44749]	25.8564815	5.9245283	0.0000000	0.4745098	7.2938596	7.4166667	33.3796791	67.0844156	41.0694444
[44758]	33.3960784	27.5259740	1.6742424	23.1759259	2.6319018	0.0000000	10.0841121	7.5874126	6.1818182
[44767]	5.8404908	0.7857143	0.0000000	1.5877193	18.4907975	45.9072165	1.9454545	7.3505155	10.3850267
[44776]	8.1411043	3.6351351	32.9650350	30.6859504	42.7972028	1.5714286	0.0000000	0.0000000	5.0184049
[44785]	2.3262032	0.0000000	0.6335079	4.3664921	16.9893048	10.3246073	0.0000000	16.1418919	33.5135135
[44794]	0.8461538	0.0000000	2.2878788	0.0000000	1.6759259	5.4864865	4.0810811	10.3055556	0.0000000
[44803]	13.3315508	0.0000000	3.7055215	3.6185567	4.5567010	21.1753247	3.9267016	6.0972222	6.6288660
[44812]	0.6564417	3.0909091	44.8352941	5.2500000	10.4196078	0.0000000	4.0810811	0.8461538	6.8108108
[44821]	0.0000000	0.0000000	10.2297297	0.0000000	19.5324675	2.4459459	4.0719697	15.9054054	3.8311688
[44830]	1.6923077	2.3426573	19.5887850	18.1342593	0.0000000	25.2377358	14.1168831	1.2410256	14.0747664
[44839]	11.8965517	1.8815789	4.0566038	3.6388889	0.4566038	3.7319588	1.8941176	0.0000000	1.1443850
[44848]	4.0106952	23.7177914	11.3961039	42.4485981	18.4171779	78.8411215	11.5092025	5.0373832	21.6666667
[44857]	13.9650350	16.7543860	13.1013513	0.7857143	14.9391892	0.0000000	0.4745098	4.6168831	7.9834711
[44866]	28.8691099	17.1443299	11.9752066	3.1363636	16.5521472	5.9469697	0.0000000	7.5863874	10.7486911
[44875]	1.5540541	10.6446281	7.6853147	12.9719626	29.0844156	43.3243243	0.0000000	0.5093458	0.0000000
[44884]	27.0410256	16.0209790	20.8878505	14.2000000	14.2757009	0.0000000	0.7482517	0.5960591	18.4943396
[44893]	4.4240838	0.5307018	19.8441558	13.5416667	59.0279720	53.0490797	50.1121495	53.0629371	25.1578947
[44902]	7.3040541	3.9220779	7.0945946	1.2941176	0.8941176	12.1038961	11.9752066	21.9586777	9.4090909
[44911]	37.1042945	29.2765152	0.8842975	9.4816754	12.0104712	0.7229730	10.7791411	25.9690722	15.5337838
[44920]	0.0000000	0.5000000	2.3505155	23.3636364	0.5000000	7.3157895	10.8317757	0.0000000	2.6528926
[44929]	4.1443850	7.7675439	26.4605263	22.6688312	1.7878788	8.9090909	6.6783217	23.5154639	2.3711340
[44938]	0.0000000	3.1184211	53.9411765	7.7782609	3.3814433	74.9018692	0.0000000	1.4965035	75.2922078
[44947]	61.7686274	7.6022727	0.9490196	2.0420561	4.1019608	0.0000000	0.0000000	3.4385027	41.5026738
[44956]	2.4948454	0.0000000	1.2941176	0.0000000	0.4583333	7.5874126	14.2377622	6.4491979	22.3018868
[44965]	12.0980392	0.0000000	10.9278351	6.5187166	0.0000000	0.0000000	0.0000000	0.0000000	3.5972222
[44974]	9.6325758	2.6491228	0.0000000	2.1019608	14.9545454	29.7662338	4.4491979	20.9946524	3.2007576
[44983]	0.7482517	0.0000000	0.9166667	3.9411765	1.1203704	0.0000000	0.0000000	0.0000000	0.0000000
[44992]	15.7058823	1.4666667	0.4583333	2.4948454	0.0000000	0.0000000	0.0000000	10.9572192	5.9112150
[45001]	0.9132075	9.2009346	8.4536082	10.9805195	49.1818182	4.0566038	13.2037736	0.0000000	0.9490196
[45010]	1.1030928	0.5000000	1.6461538	1.0689655	17.9090909	24.1288344	5.5497382	0.0000000	0.0000000
[45019]	3.6060606	9.2577320	0.0000000	6.9659091	7.3146853	0.5601852	0.0000000	0.5721925	19.5347594
[45028]	28.2969697	30.3735849	20.3457944	1.4666667	2.3505155	28.0701754	2.0552147	3.4973262	30.3831776
[45037]	0.0000000	7.8415094	3.0000000	54.7219251	6.2727273	22.8037383	2.0000000	3.0304348	53.8703704
[45046]	0.6335079	9.1188811	1.1030928	7.4742268	48.3925234	20.3446970	7.2364865	9.4054054	2.8663102
[45055]	5.4886364	10.8150943	1.0000000	1.8952880	6.2943396	14.3457944	19.7245283	36.4171123	22.0964912
[45064]	17.4117647	12.8565217	0.0000000	2.9043478	12.1752577	5.0303030	14.1773585	5.5257732	13.3311688
[45073]	0.0000000	1.8295455	40.4814815	28.4965035	7.6666667	9.9478261	13.2237762	13.9358289	4.0588235
[45082]	4.7272727	10.2268041	6.6448598	18.4065421	5.4491979	4.1019608	13.7471698	1.5000000	6.0093458
[45091]	13.7710280	14.6643357	11.3496503	4.4065421	5.5092025	11.4478528	23.7628866	8.5897436	8.9631902
[45100]	9.2521739	9.9572193	23.0150943	5.7547170	40.2803738	12.7056075	1.7882353	1.1443850	8.3568627
[45109]	1.8952880	4.9626168	3.1888112	4.3619632	2.5287958	0.0000000	0.5721925	1.9693252	17.4025974
[45118]	5.9930070	3.7061404	0.0000000	4.4240838	12.1725490	41.3422460	8.6717949	25.5333333	23.3926702
[45127]	15.8062827	11.7462121	5.6073298	7.4491979	0.0000000	4.5811321	6.2651515	0.0000000	7.8441558
[45136]	1.2410256	6.6564417	38.3735849	5.2528302	33.7207792	16.6945813	7.3298969	26.1016043	6.2982456
[45145]	35.6597938	2.4692982	5.1363636	21.7149123	25.2883436	45.0219298	14.0086956	63.6157635	18.3350785
[45154]	9.3925234	8.7015707	27.8609626	7.2363636	1.6923077	0.8461538	20.0629371	2.1529412	5.5257732
[45163]	51.4973822	4.7616822	8.1477273	5.4025974	4.4639175	57.3529412	56.6956522	71.4778325	45.7731959

[45172]	45.1675393	42.9842932	29.6233766	7.8741259	17.1283422	58.3030303	8.2102804	36.0942408	1.8770053
[45181]	0.0000000	0.0000000	0.0000000	35.6288660	0.0000000	5.0575916	1.3128834	2.1151515	14.2000000
[45190]	0.0000000	1.5877193	21.1649485	23.4825175	25.0392157	6.2500000	8.2981132	7.3212121	27.0000000
[45199]	19.8769231	15.5950413	20.9732620	13.3116888	5.4627451	27.0043860	73.2377359	16.0412371	3.3814433
[45208]	2.0570175	2.0747664	27.4226804	8.1237113	4.5828877	9.1826087	10.7113402	70.0887850	0.0000000
[45217]	30.4377358	0.0000000	11.7597403	21.6452830	0.0000000	20.7647059	1.5000000	0.0000000	0.0000000
[45226]	0.0000000	0.0000000	0.0000000	7.1688312	0.0000000	0.0000000	1.6491228	0.7423313	0.6564417
[45235]	0.0000000	5.2989691	0.0000000	8.3422460	5.3350785	0.0000000	0.0000000	3.8636364	0.0000000
[45244]	9.6439791	1.1411765	0.0000000	30.8114035	5.9141104	21.9020979	11.8461539	0.0000000	0.0000000
[45253]	2.9824561	0.6948052	0.0000000	0.4545455	9.7980296	0.0000000	9.3140496	0.7024793	0.7456140
[45262]	0.0000000	0.0000000	7.7476636	4.1608392	23.8556701	15.3553719	64.6038961	1.0564103	0.4450262
[45271]	11.8930481	12.0320856	6.7773585	3.1621622	1.3128834	1.8181818	3.0060606	1.1443850	3.9917355
[45280]	7.7702703	16.8116883	42.3441558	6.9625668	1.2670157	4.3560209	4.6577540	14.6959460	3.1623037
[45289]	8.2198953	0.5721925	4.1486486	3.1623037	0.6335079	0.5828877	0.0000000	3.0106952	2.5287958
[45298]	2.8663102	5.6910995	4.0106952	0.6335079	3.5811518	2.3743316	3.4385027	0.7482517	0.0000000
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[45316]	0.0000000	0.5706806	0.0000000	6.3743316	10.3850267	0.0000000	0.0000000	0.0000000	0.0000000
[45325]	0.0000000	0.5602094	2.8663102	0.5602094	1.2670157	2.8663102	0.0000000	1.1204188	1.7165775
[45334]	3.0209424	2.3874346	1.7165775	4.7433155	2.6081081	0.0000000	2.4405594	4.6216216	5.0878378
[45343]	0.0000000	11.3089005	4.7435897	53.3664921	5.7525773	9.8671329	0.0000000	0.5602094	0.0000000
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[45370]	14.2413793	26.9160839	13.5810811	36.4956522	13.2268041	0.0000000	12.5670103	105.0927835	43.9652174
[45379]	26.7719298	17.2886598	18.9719626	2.5540541	4.0700935	28.9509434	36.4331551	1.8128342	0.0000000
[45388]	16.9570552	12.0309278	19.9175258	23.5154639	23.2635135	31.6798246	14.8595041	44.4298246	3.7482517
[45397]	37.7179487	10.6256684	13.4117647	8.7768595	68.7402597	37.6428571	2.9320755	0.0000000	22.5764706
[45406]	0.8716216	0.6470588	0.0000000	4.2803030	18.6256158	6.0962567	5.7914439	36.1448598	4.6203209
[45415]	12.7149533	5.8377358	13.2402597	18.1882353	0.5721925	0.0000000	9.6573427	3.9220779	3.1728972
[45424]	1.8842975	2.6491228	6.8848168	0.0000000	1.1030928	0.6335079	2.5725490	4.7372549	0.0000000
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[45442]	0.0000000	0.6205128	0.0000000	14.3608247	4.6528926	0.0000000	6.3364486	3.6962617	0.0000000
[45451]	0.0000000	0.0000000	0.0000000	0.0000000	0.7333333	31.8041237	3.3776224	0.6335079	0.0000000
[45460]	1.2670157	4.9538462	1.7165775	0.0000000	12.1228070	0.6470588	8.6791444	18.2236842	8.9768519
[45469]	0.0000000	0.0000000	54.5303030	0.0000000	0.0000000	3.8601399	21.2603774	0.0000000	0.0000000
[45478]	0.0000000	37.0745614	16.8760331	0.0000000	44.1688312	16.5433962	35.3814433	0.0000000	0.0000000
[45487]	30.2783505	1.2474227	35.7433155	5.9960784	0.9490196	0.0000000	1.4666667	4.0106952	5.8321678
[45496]	1.8952880	5.9917355	0.0000000	24.5649351	9.5608108	0.0000000	2.4769231	0.0000000	0.0000000
[45505]	4.5811321	0.0000000	0.0000000	4.5303030	27.1418919	1.5714286	3.1529412	0.0000000	0.5307018
[45514]	25.8051948	0.5721925	0.0000000	3.6577540	6.7922078	3.4156863	51.6452830	1.2474227	0.0000000
[45523]	0.5721925	0.0000000	3.7061404	0.6335079	0.6564417	1.2941176	16.1418919	1.9693252	0.0000000
[45532]	2.8842975	3.7169811	0.0000000	2.3506494	11.7532468	1.7364865	4.0802139	2.9272727	6.8859649
[45541]	5.7635135	15.6818182	1.9358289	0.0000000	6.3048128	0.0000000	5.9956140	6.3140496	9.8792453
[45550]	45.8766234	21.2944785	67.1818182	9.6641509	27.3312883	0.0000000	16.7757009	8.0901961	0.7857143
[45559]	0.0000000	1.2474227	44.7870370	56.8598485	22.5360825	0.7333333	28.1509434	0.0000000	9.0394089
[45568]	7.5863874	7.6898396	2.4769231	4.1174242	7.9175258	2.0424242	1.6699507	6.5287958	12.3552632
[45577]	3.0974359	4.9509434	9.1742424	0.0000000	0.0000000	6.5030303	2.2208589	0.0000000	1.6923077
[45586]	0.0000000	1.0000000	1.1692308	4.2760736	34.9732620	47.6907217	23.6000000	46.7938144	15.6288660
[45595]	13.1818182	2.3686275	36.4392157	7.9794872	3.0000000	47.5207547	15.0000000	11.0157068	17.1958763
[45604]	38.4220779	26.3551402	7.8859649	0.0000000	0.0000000	2.9917355	2.4051282	2.4948454	5.5743590
[45613]	8.4736842	9.9669421	0.0000000	5.8128342	2.0000000	0.0000000	0.5960591	2.2627451	2.1939394
[45622]	0.0000000	11.1228070	17.5981308	5.4233129	26.1871658	8.1657754	32.0000000	2.3505155	3.5398773
[45631]	32.9587629	33.1379310	29.7803030	16.7289720	25.1043478	13.7897196	31.6125655	8.8534031	1.8952880
[45640]	0.0000000	7.1855670	1.2474227	1.8770053	17.7587719	31.2500000	1.5877193	3.0974359	1.5877193
[45649]	0.0000000	2.7857143	2.9917355	12.9752066	2.1411043	14.9381443	2.3384615	8.2198953	14.5537190
[45658]	0.0000000	1.0000000	18.2834225	16.1025641	4.2447555	56.3917526	58.3903743	9.1884817	1.2520256
[45667]	12.3701299	0.0000000	2.7975460	8.6000000	2.2208589	0.9490196	9.5698113	12.9752066	31.6283784
[45676]	53.2297297	55.3216783	6.1948718	0.0000000	5.5743590	42.4254386	0.8461538	1.0000000	1.4846626
[45685]	25.1465969	7.1398601	0.0000000	0.0000000	20.2303665	26.9338843	5.9930070	1.2670157	29.1090909
[45694]	6.5664336	3.7685950	6.0974026	51.9217391	13.2412281	11.8224299	24.8347107	2.3874346	27.3689840
[45703]	6.0509804	21.0657895	14.6728972	4.7077922	4.4705882	31.6125655	18.5794872	37.1589744	0.5706806
[45712]	22.2139037	0.0000000	0.0000000	20.9090909	0.0000000	0.7482517	6.2727273	18.5394737	2.1184211
[45721]	1.2670157	0.0000000	0.8461538	0.0000000	1.2670157	3.0974359	0.0000000	1.4965035	2.1151515
[45730]	7.4166667	10.8657407	10.7520661	32.5034965	36.8143939	22.5547170	29.0129870	66.2105263	13.5725490
[45739]	16.1229946	71.4886364	3.0000000	15.8062827	0.0000000	12.4424242	1.7192118	0.5307018	0.0000000
[45748]	5.0184049	20.8638743	6.0121212	48.8739130	87.2337662	24.6573427	0.0000000	15.5137255	4.0540541
[45757]	10.0303030	5.3660377	5.0575916	1.2192513	53.2269939	29.2314815	25.3831776	7.4742268	1.5540541
[45766]	5.5314685	9.9381443	3.7319588	8.7222222	2.3137255	0.0000000	0.7622378	10.2837838	10.4480519
[45775]	11.7219251	13.4189189	2.5719697	1.1443850	15.4639175	0.0000000	9.5608108	7.6684492	6.3246073
[45784]	0.0000000	0.0000000	4.7090909	0.0000000	19.2075472	6.4905660	2.1689189	16.3368984	0.5828877
[45793]	0.0000000	6.0279720	3.1184211	9.2620321	3.7061404	0.0000000	2.1915888	10.3155080	1.3686275
[45802]	0.6205128	0.0000000	0.0000000	3.0909091	10.3584906	13.2513369	1.5812808	5.2982456	6.0093458
[45811]	4.4065421	1.6250000	4.7077922	23.2337662	2.2657343	6.0514019	0.4692982	1.1937173	2.2941176
[45820]	7.8313725	0.7482517	0.6470588	4.3743316	7.1058824	30.8363636	6.0270270	0.0000000	0.0000000
[45829]	0.0000000	0.0000000	0.0000000	12.5745614	4.0349650	2.2447552	0.0000000	4.3863636	0.0000000
[45838]	3.5700935	2.2447552	27.1136364	14.7018868	0.0000000	0.0000000	1.5944056	2.8771930	35.7739130
[45847]	22.5450980	37.3092783	28.3553719	11.6342593	6.5878788	20.9179487	1.8272251	5.8245614	6.2727273
[45856]	2.1151515	0.0000000	4.0295566	34.3151515	0.0000000	2.9272727	4.0245399	5.6358974	3.4666667
[45865]	41.5882353	0.0000000	50.0779221	30.1885965	9.4158879	20.0679245	0.8461538	0.0000000	34.0615385

[45874]	21.2242424	45.1182266	10.1963190	10.0575916	5.6060606	20.8638743	3.7882353	33.2782609	20.9529412
[45883]	0.0000000	43.5075758	10.7486911	33.7482518	9.9300699	0.6335079	22.3552632	15.3596491	26.8609626
[45892]	2.3636364	7.4110429	8.4331551	22.7236842	0.0000000	0.0000000	16.5172414	4.1948718	32.0231481
[45901]	37.3371212	13.3311688	35.5026178	16.8925234	5.2616822	2.7333333	3.0890052	8.5435897	1.5944056
[45910]	2.0000000	6.3246073	24.9753695	0.0000000	1.2670157	18.9473684	3.4358974	2.3304348	4.3560209
[45919]	19.6038961	0.0000000	1.2840909	1.8564103	4.3560209	3.0974359	2.3426573	15.0549020	0.0000000
[45928]	40.8115183	0.0000000	2.1151515	44.7277487	64.7207792	8.5979381	13.3311688	1.1937173	26.3245283
[45937]	5.0575916	7.3212121	45.5327103	10.2024540	2.6528926	58.4439252	18.1924528	82.6310160	35.9205607
[45946]	17.7905759	18.3070175	38.4220779	4.9917355	16.8900524	4.7435897	3.4156863	21.1328671	10.6783217
[45955]	62.8159509	15.7216495	21.7652174	0.6335079	0.0000000	7.5863874	6.1030928	0.0000000	2.0087719
[45964]	8.6717949	8.4736842	0.0000000	1.4965035	2.9272727	0.0000000	1.4666667	0.0000000	3.0000000
[45973]	0.0000000	5.9930070	29.3471074	1.1030928	22.4919786	2.2878788	2.3155080	0.0000000	3.7055215
[45982]	0.0000000	0.0000000	24.8947368	8.0484848	0.0000000	0.6205128	5.6910995	5.5743590	0.0000000
[45991]	2.5287958	36.0366492	2.9631902	4.9842932	37.3036649	1.2670157	22.6033058	48.7086957	16.7438017
[46000]	9.4816754	7.4870130	0.0000000	0.6335079	11.7597403	25.9538462	0.0000000	0.6205128	26.4824561
[46009]	0.0000000	0.0000000	5.8245614	3.3607843	3.6491228	5.1840491	2.1939394	33.4545454	0.0000000
[46018]	2.5287958	4.8878505	10.6000000	0.0000000	25.6701571	0.5721925	4.3090909	2.9917355	4.3560209
[46027]	0.6470588	3.6461538	5.8181818	0.0000000	3.1888112	0.0000000	0.0000000	0.0000000	0.0000000
[46036]	31.1883117	0.8716216	4.0106952	7.4627451	0.0000000	1.8842975	0.7482517	0.6205128	2.1939394
[46045]	3.7958115	0.0000000	5.9465241	10.2490566	17.7686275	5.4335664	14.1168831	26.5372549	26.5214724
[46054]	9.2871795	24.9280303	0.0000000	7.3716216	1.2941176	1.0614035	5.4870130	2.4187192	0.8392157
[46063]	2.4769231	1.4666667	30.2347826	0.0000000	11.6308411	2.5287958	2.9589744	2.6491228	12.0675676
[46072]	25.6103896	0.8392157	23.9528796	2.8983957	0.0000000	2.4385027	2.9610390	3.0256410	1.7882353
[46081]	0.7857143	29.9797297	6.9732620	2.6491228	23.1842105	26.8551402	39.7062937	50.4347826	20.8534031
[46090]	20.6298701	10.9805195	0.0000000	11.0540540	2.1939394	0.7857143	11.5384615	0.5307018	16.4112150
[46099]	16.0833333	3.4716981	30.1418919	15.6959460	17.7149533	2.6823529	0.0000000	4.2299465	1.1711230
[46108]	1.1692308	10.6168224	2.3155080	0.0000000	2.2208589	0.0000000	15.8113208	42.2754717	12.7056075
[46117]	0.0000000	0.6470588	0.7857143	13.0981308	4.5828877	0.8603774	3.0046729	0.0000000	1.8952880
[46126]	0.0000000	12.8068182	2.1184211	9.5747664	0.0000000	1.4196078	4.2368421	12.3411215	9.3547170
[46135]	7.8785047	17.9090909	22.7402597	4.2894737	41.8977273	0.9490196	15.8062827	1.8564103	17.3173913
[46144]	12.4226415	0.5307018	12.2638037	15.9669421	0.0000000	75.1028037	0.0000000	0.0000000	6.5270936
[46153]	0.0000000	3.5828877	7.0039216	4.4240838	4.0470588	0.0000000	3.1363636	15.7342657	68.9652174
[46162]	29.2941177	50.0206186	1.2670157	2.3716216	12.1754386	35.4965035	0.0000000	15.6490566	45.8350516
[46171]	16.3155080	2.2447552	0.6205128	2.9358289	3.7319588	2.2905405	2.9272727	9.5882353	33.6168224
[46180]	2.6000000	4.4226804	1.1937173	22.2680412	9.9358289	5.5700935	1.2670157	0.6205128	0.6205128
[46189]	5.1069519	0.5000000	6.1355140	3.9917355	6.1099476	0.0000000	18.0754717	0.0000000	1.2474227
[46198]	0.0000000	32.3711340	0.8842975	10.8983957	0.9132075	0.0000000	19.6439791	30.1779141	55.2886598
[46207]	9.2757009	55.0000000	5.5913043	0.0000000	15.5979381	2.1939394	6.5889571	2.4948454	0.6564417
[46216]	42.6804124	56.9487180	9.1288344	48.9610390	6.7748691	2.9272727	0.0000000	3.1363636	1.0000000
[46225]	0.0000000	4.4240838	16.7668712	9.4816754	0.0000000	1.7832512	0.0000000	46.5396226	30.8638743
[46234]	0.0000000	3.2570093	0.6335079	4.8350515	0.0000000	12.5401070	2.3782609	37.2638037	16.0412371
[46243]	2.6319018	0.0000000	0.7423313	28.4010695	3.6059113	5.8021390	27.3917526	51.4018692	7.5123967
[46252]	2.6319018	4.5046729	0.0000000	51.0921053	51.7924528	25.0434783	16.9211823	4.2695652	7.4742268
[46261]	14.7851240	26.0339623	7.4064171	27.4480519	15.5698113	1.0000000	3.4358974	0.0000000	4.1948718
[46270]	7.4785276	48.0412371	10.2513369	5.2576687	0.0000000	4.3333333	3.7319588	2.9917355	32.9584906
[46279]	36.6818182	6.0521739	2.4769231	0.0000000	0.0000000	0.0000000	0.5960591	0.7423313	0.0000000
[46288]	37.6096257	18.6701031	20.5090909	45.9732620	6.9465241	16.7438017	48.1883117	2.9008264	0.0000000
[46297]	2.6528926	0.0000000	0.0000000	0.0000000	5.9507389	29.5567010	12.1649485	11.3926380	15.3696970
[46306]	21.2869565	0.0000000	37.3155080	13.6149733	7.6042781	0.0000000	0.0000000	1.0000000	1.1030928
[46315]	8.4264151	5.7647059	4.3155080	1.0654206	0.5654206	1.8952880	0.0000000	0.0000000	5.2955665
[46324]	21.6688312	0.0000000	4.0680628	7.6853147	0.0000000	15.1074766	0.9521739	18.1962264	103.4329897
[46333]	0.0000000	0.0000000	15.4639175	7.0093458	2.2208589	2.5287958	60.7857143	2.2208589	3.1623037
[46342]	5.0575916	3.3092784	0.5654206	1.0614035	20.1336898	21.8792453	8.4603774	0.4780702	0.9490196
[46351]	24.8598131	32.6293706	7.3298969	14.8961039	0.0000000	3.5046729	20.5394737	16.3712121	50.5233645
[46360]	20.9935065	35.2657343	0.0000000	19.5874126	13.0051282	28.0489510	17.7336449	10.2883436	17.9953271
[46369]	12.9662162	14.4122807	34.1074766	16.3471698	28.7142857	58.8173913	12.4122807	35.0695187	33.9846154
[46378]	32.9679144	41.6776859	6.1948718	10.8896104	10.0264151	39.5245283	8.6075472	12.0173913	20.7958115
[46387]	8.4335664	25.0943396	40.2592593	15.0279720	18.1937173	27.3831776	15.8062827	0.0000000	0.7482517
[46396]	6.5747664	25.8534031	5.6910995	13.7719298	0.0000000	1.6923077	1.0000000	4.2894737	2.2447552
[46405]	2.4769231	31.1688312	11.3750000	1.8295455	0.0000000	9.5151515	1.4846626	5.2610837	10.5276074
[46414]	13.8957055	1.4666667	0.0000000	4.9960784	24.5051546	34.9144385	4.8701299	31.1533742	0.0000000
[46423]	20.1695652	3.3092784	0.0000000	0.0000000	27.0787879	21.2094241	22.7272727	4.9842932	3.8311688
[46432]	14.5575758	35.3636364	4.3333333	15.3696970	16.6256684	2.1184211	12.6784314	22.1237113	0.5828877
[46441]	5.1212121	0.0000000	8.2848485	4.8429319	26.8644860	6.9625668	3.6491228	14.3979058	5.9090909
[46450]	1.8952880	1.0000000	1.8842975	1.7165775	5.8545455	1.8842975	0.7333333	28.3961039	8.1608392
[46459]	5.9053030	14.6216216	3.5828877	6.5878788	5.9797297	2.9631902	0.0000000	8.0629371	1.8564103
[46468]	1.6759259	7.5863874	13.0405405	7.4307692	0.0000000	7.6042781	19.4150943	26.7529412	7.8741259
[46477]	8.8717949	7.3801653	5.7843137	42.5582822	11.7641026	5.8545455	24.2878788	26.2820513	6.0909091
[46486]	10.2567568	4.9860140	4.0349650	0.5307018	7.0584416	0.6354680	7.0509804	9.2871795	10.5289256
[46495]	22.7383178	36.7471698	3.7061404	28.8098160	12.7636364	8.2198953	9.8363636	5.7763158	11.3040540
[46504]	3.5719697	15.6818182	0.0000000	0.5307018	6.9450980	25.4166667	39.7236842	2.2061856	3.9960784
[46513]	9.0053476	8.0629371	5.5561497	5.4870130	12.7282051	7.9372549	5.1840491	15.1925134	2.6491228
[46522]	47.1056604	21.4166667	2.2662338	0.0000000	0.0000000	3.1798246	36.8039216	0.0000000	0.0000000
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[46549]	7.9834711	0.0000000	15.2883436	0.0000000	19.1518325	36.8321678	8.4845361	19.4719626	3.3224299
[46558]	11.3584906	3.7179487	0.0000000	2.4754717	6.5828221	10.1151832	9.8128342	17.9672897	20.0578512
[46567]	17.1104295	43.1328671	5.9685864	42.0320856	7.0186916	0.6687117	4.8727273	11.7520661	46.4398148

[46576]	25.3358491	1.8952880	52.1328671	23.2699387	7.7768595	28.0267380	0.6205128	2.1939394	1.2474227
[46585]	21.1649485	8.6805556	0.0000000	0.0000000	46.7056075	1.2670157	6.0366492	15.7215686	7.4716981
[46594]	1.3896104	11.3317757	0.8636364	1.2192513	9.9545455	3.1174242	7.6558442	19.1550802	15.3689840
[46603]	0.0000000	9.2027027	4.2368421	0.0000000	5.1184211	3.1550802	0.5000000	0.0000000	3.3776224
[46612]	17.9065421	0.4053030	1.2226415	32.5668449	20.3896104	4.2280702	10.9805195	2.1308411	2.5260870
[46621]	13.6503068	20.0994764	26.2666667	5.2207792	10.5874126	14.1168831	6.7310606	2.0000000	0.0000000
[46630]	5.9465241	33.9018868	13.9109948	39.1233766	14.1871658	0.0000000	0.0000000	5.4224599	8.4475524
[46639]	2.5287958	0.0000000	0.0000000	0.7482517	0.0000000	0.0000000	4.8364486	2.5622642	1.0974359
[46648]	14.9242424	1.5945946	3.9220779	3.7333333	0.0000000	2.5964912	21.8701299	2.2447552	0.7622378
[46657]	7.5240642	5.4155844	1.4196078	3.0213904	41.9471698	2.3368984	0.0000000	8.8350515	1.7539267
[46666]	53.0454546	5.8404908	18.8481675	0.0000000	22.9252336	0.5307018	0.5307018	14.6363636	14.2452830
[46675]	9.3246753	0.9605263	1.8941176	58.7835052	7.1418919	4.5700935	35.6096491	0.0000000	16.0337838
[46684]	2.5540541	27.7727273	43.7570093	26.5909091	25.1595092	42.3636364	8.2479339	13.6564417	1.2410256
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[46702]	3.0106952	0.0000000	9.1428571	23.6528302	12.2603774	1.2377358	5.5086957	13.2412281	10.6923077
[46711]	24.3509434	22.1574074	9.3706294	17.8556701	15.6544503	16.4397906	0.0000000	0.8716216	11.1495327
[46720]	32.5235602	12.1842105	0.0000000	1.0000000	4.4965035	1.2410256	35.6168831	4.9886364	1.4196078
[46729]	0.0000000	5.1212121	0.0000000	0.0000000	4.8527607	11.4233129	2.5287958	0.0000000	2.5215686
[46738]	29.1649485	24.7433155	2.7857143	0.0000000	26.8956522	0.8716216	1.5944056	0.0000000	30.6545455
[46747]	27.7591623	24.829752	7.4450262	4.7077922	25.6181818	22.6558442	7.4307692	10.4652406	8.4736842
[46756]	24.6666667	4.3445946	7.7905405	5.2809917	7.7320755	8.7402597	0.0000000	0.0000000	0.4358974
[46765]	5.2027027	1.1443850	9.8750000	1.4459459	0.0000000	0.0000000	12.1216216	6.6418919	0.0000000
[46774]	2.8039216	0.0000000	5.0431373	0.8716216	0.0000000	2.0534759	3.7754011	0.0000000	15.8449198
[46783]	0.0000000	13.8301887	3.2159091	10.0000000	2.2972973	7.9298246	12.3803922	0.0000000	8.2673797
[46792]	1.4919786	17.3750000	0.0000000	0.0000000	6.2474227	0.0000000	0.0000000	0.0000000	3.6308411
[46801]	2.5869565	0.0000000	2.7486631	4.3814433	0.0000000	0.0000000	18.2545454	0.0000000	5.1695652
[46810]	0.0000000	0.0000000	1.1038961	1.3076923	0.5601852	0.0000000	0.0000000	0.0000000	1.9757576
[46819]	0.0000000	5.7061404	0.0000000	0.5519481	0.0000000	0.0000000	1.7636364	1.3350785	1.5877193
[46828]	0.5000000	1.8971963	5.5235602	1.8640351	0.0000000	0.0000000	1.2943925	10.8243243	3.6753927
[46837]	0.6564417	34.4020619	0.0000000	0.0000000	1.8026316	0.5519481	0.0000000	0.0000000	0.0000000
[46846]	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000	3.7094340	0.6354680
[46855]	9.9018405	0.0000000	2.7939394	2.9794872	10.7570094	0.0000000	0.0000000	2.5123153	16.8826087
[46864]	0.3333333	0.8717949	4.9675325	1.7801047	10.5418719	0.0000000	0.0000000	0.0000000	6.7272727
[46873]	0.4692982	11.3402062	2.8867925	0.0000000	0.0000000	2.4264151	12.2652174	0.0000000	0.0000000
[46882]	2.4769231	8.8556701	74.2867133	62.3711340	10.7319588	6.7043478	30.4294478	20.1349693	2.5287958
[46891]	1.8952880	6.6288660	6.6509804	12.4424242	33.0981308	20.1604278	10.0368098	0.0000000	19.6074766
[46900]	1.0000000	0.0000000	24.1888112	8.3608247	13.1448598	13.4301887	16.0264151	14.1678322	3.0974359
[46909]	12.7242991	0.5307018	9.1657754	12.2056075	9.4090909	18.4049080	41.7668712	59.7010309	14.8010471
[46918]	52.6844920	15.9669421	0.0000000	3.0974359	50.0648148	45.8411215	6.1818182	3.8201754	28.7326203
[46927]	0.0000000	1.2474227	0.0000000	1.1711230	1.4692982	6.9465241	10.0826087	7.6000000	43.4830189
[46936]	15.4532710	14.5934579	9.9896907	52.8108108	27.1824324	45.1855670	1.0000000	3.0256410	0.6205128
[46945]	4.5567010	3.0000000	27.8144330	49.3814433	91.2037736	9.6776860	19.0909091	1.8952880	0.0000000
[46954]	43.1649484	31.6074766	42.3262032	16.8795811	11.6012270	0.7333333	26.6822430	7.9815951	1.0000000
[46963]	1.2670157	1.9454545	47.8461539	8.5979381	22.1214953	13.0528302	15.7245283	20.8041958	0.6205128
[46972]	12.1069519	16.2196262	1.5714286	17.7484663	32.6013986	88.1546392	20.9790576	40.9786096	10.4405594
[46981]	4.9917355	3.1623037	41.9444444	48.6588785	7.2207792	12.3735849	5.2280702	38.2620321	4.6288660
[46990]	0.0000000	0.0000000	1.1711230	8.7593583	10.2523364	9.1660377	17.6549020	11.7149533	12.1546392
[46999]	4.6282723	1.1325758	56.3317757	0.0000000	0.0000000	0.0000000	0.8392157	1.4049587	21.3504673
[47008]	2.1518325	8.8194444	8.7886792	0.0000000	0.0000000	21.7113402	0.0000000	0.0000000	2.0935961
[47017]	22.1398601	3.6363636	16.8099174	0.0000000	39.7727273	3.9230769	32.9917355	0.0000000	0.8762887
[47026]	0.0000000	4.4432990	2.0858896	0.0000000	33.1558442	7.7382199	25.8041237	0.8971963	17.5131579
[47035]	5.6096257	0.8421053	14.9545454	19.1553030	5.7424242	0.0000000	0.0000000	1.1030928	0.0000000
[47044]	2.9917355	11.9860140	5.7120419	14.0349650	0.0000000	2.9439252	3.7202797	2.2727273	0.7024793
[47053]	12.1948052	2.9720280	0.5307018	14.0779221	67.5454546	2.0000000	0.0000000	31.0413223	19.2820513
[47062]	0.0000000	0.0000000	3.2406417	15.0519481	34.1355140	0.5307018	4.4869110	2.4948454	0.7857143
[47071]	3.8415094	0.0000000	1.6759259	7.8271028	7.7603306	0.0000000	3.7179487	0.5721925	9.2432432
[47080]	7.7933884	22.9074074	2.5140187	24.3448276	4.8128342	0.0000000	3.1542056	0.5654206	16.4965035
[47089]	1.1237113	9.4020619	0.0000000	0.0000000	10.5026738	2.0046729	8.6631016	0.0000000	0.0000000
[47098]	2.2447552	8.4214876	2.9320755	16.9924528	3.0000000	0.0000000	4.7433155	0.0000000	2.3874346
[47107]	0.0000000	5.3271028	0.0000000	0.0000000	0.0000000	1.7165775	8.3842593	0.0000000	0.0000000
[47116]	16.2175926	6.3743316	0.6335079	3.0046729	0.0000000	9.0069930	12.3793103	0.0000000	0.0000000
[47125]	0.0000000	0.0000000	1.0046296	0.0000000	1.1030928	12.4948454	0.0000000	0.0000000	0.0000000
[47134]	2.2208589	2.2577320	0.0000000	0.7333333	35.0909091	5.5950920	1.2792453	0.4566038	2.1111111
[47143]	25.4745098	13.9938650	11.6448598	50.7077922	0.0000000	7.5151515	2.9631902	1.1030928	73.9267016
[47152]	8.1885965	30.6951872	11.1495327	20.6578947	9.8391608	2.8842975	0.0000000	0.7857143	48.8969072
[47161]	34.8452830	26.9811321	70.1978610	21.7552448	85.7476635	18.0389610	56.2479339	1.7897436	63.3888889
[47170]	72.6363636	31.8601399	25.7967914	0.0000000	0.0000000	1.0000000	0.0000000	0.0000000	0.0000000
[47179]	0.0000000	6.7423313	0.0000000	34.6130435	0.0000000	0.0000000	19.5183246	5.6391753	2.8743456
[47188]	35.5257732	59.7933884	0.0000000	15.2549020	30.6150943	4.4226804	7.5841122	43.7692308	0.0000000
[47197]	42.1283019	22.9510490	37.9939394	1.4965035	42.1363636	0.0000000	8.4475524	13.1757576	0.0000000
[47206]	0.4745098	32.1396226	42.5515152	42.6073298	43.5360825	23.3037383	8.6233766	0.0000000	50.1260870
[47215]	11.9752066	54.5398773	25.8411215	52.7320755	61.3260870	23.8848167	24.2657343	6.3246073	26.9547170
[47224]	0.5307018	0.0000000	0.0000000	25.4220779	0.0000000	5.5314685	3.9917355	47.2078431	50.6417112
[47233]	42.2315271	87.0347826	26.9754601	59.1411043	5.5270270	32.8795811	6.8865979	41.1978610	35.3962264
[47242]	1.0614035	10.1168224	10.4037736	0.0000000	28.1657754	0.0000000	15.9735849	19.4491979	2.4405594
[47251]	0.6335079	0.0000000	0.0000000	12.8235294	12.1826087	4.6871166	1.8952880	0.0000000	9.7438017
[47260]	4.7010309	19.9480519	7.5240642	24.8969072	84.6363636	4.6235294	14.9669421	39.9509203	46.3067485
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[47278]	1.8376963	0.6335079	32.9930070	46.5369458	37.4064171	0.6205128	12.3757576	14.8961039	22.6121495
[47287]	10.7567568	9.9572193	81.7058823	14.5445026	3.1623037	31.6125655	35.4015152	3.3304348	4.0588235
[47296]	45.1094340	7.1886792	6.0186916	0.0000000	22.0575916	1.0614035	0.0000000	14.8615385	12.0104712
[47305]	6.8264151	0.0000000	0.5046296	11.1043478	10.2231405	5.5649351	4.4965035	3.7319588	7.8441558
[47314]	6.8106061	17.6448598	7.1855670	8.6891892	5.1550802	1.2299465	3.9220779	0.0000000	3.5398773
[47323]	4.6962617	6.5454545	3.0000000	21.4485981	24.7272727	2.6081081	24.3706294	0.8175676	12.7234849
[47332]	10.9805195	1.2474227	3.1363636	0.0000000	8.8957055	2.6491228	8.6081081	1.4260870	26.1588785
[47341]	1.0000000	0.0000000	1.8815789	11.6608696	0.0000000	7.0150943	1.1330049	0.6484848	3.2883436
[47350]	3.8311688	0.9490196	0.0000000	0.0000000	0.0000000	0.0000000	0.5654206	3.2149533	4.1753247
[47359]	3.1363636	14.4391892	6.3393939	15.4331551	0.0000000	0.0000000	28.3089005	6.1818182	1.3939394
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[47377]	0.0000000	9.8391608	0.5307018	2.1411043	4.7675439	0.7482517	14.1798246	39.9720280	15.4958678
[47386]	35.3356643	0.0000000	11.2975207	18.0661157	6.0824742	0.0000000	43.2722513	26.6623377	4.7685185
[47395]	0.8461538	0.0000000	2.0000000	1.1030928	0.0000000	3.0654206	0.0000000	33.8644860	55.1818182
[47404]	7.6256684	0.5721925	29.4000000	28.8116883	50.0000000	76.5670103	32.7597403	46.2017544	32.1315789
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[47422]	12.7913044	43.5828221	35.1472393	34.2392638	17.0699301	26.0674847	36.4742268	23.2337662	20.2474227
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[47467]	3.6528926	22.4605263	29.6907217	3.0209424	11.6256684	8.2757009	6.9805195	11.0306749	30.4195804
[47476]	63.6701031	7.8181818	15.2566845	6.6168831	16.4825175	6.5773585	19.2867925	2.3384615	18.1250000
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[47512]	30.6086957	112.7319588	40.4816754	22.6178011	20.9815951	27.9205607	32.2757009	38.8026316	20.4845361
[47521]	27.8671329	18.9518717	48.6809816	27.5602094	29.8457944	25.2149533	2.5833333	2.7685950	5.0575916
[47530]	13.4913044	5.9509434	39.0905660	22.8881119	5.5607477	0.7857143	14.8760331	0.0000000	49.9220779
[47539]	40.7792208	0.0000000	2.2447552	0.0000000	20.9054054	25.6756757	26.9860140	3.0454545	26.7635135
[47548]	13.9752066	2.3506494	30.4355828	20.4117647	1.7914439	10.3742331	4.6943396	0.0000000	0.0000000
[47557]	0.0000000	0.0000000	5.2406417	1.1443850	0.0000000	3.5080214	0.0000000	0.0000000	0.0000000
[47566]	1.4965035	19.9439252	4.2597403	7.7225131	28.6791444	6.4953271	12.1069519	0.0000000	18.3692308
[47575]	0.0000000	0.0000000	0.0000000	2.5314685	4.2368421	0.6948052	0.0000000	4.0349650	0.5307018
[47584]	2.4554974	0.0000000	4.4485981	18.3924528	8.1043478	15.8981482	12.0104712	2.1308411	11.2377622
[47593]	33.4329897	0.8941176	1.8295455	0.5721925	0.9490196	0.7333333	14.1025641	1.0614035	21.5219298
[47602]	14.6257669	17.3566434	9.2994652	0.0000000	0.0000000	0.0000000	1.2410256	0.0000000	4.7586207
[47611]	0.4196078	14.8961039	3.8391608	29.6622807	35.2857143	12.2237762	37.0122699	0.0000000	17.9411765
[47620]	31.4000000	12.0104712	4.0962567	53.4473684	1.2474227	29.0374332	0.8461538	0.6564417	1.5714286
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[47638]	13.1340206	5.1711230	0.0000000	10.9766355	1.7364865	37.6052632	10.7835051	9.4816754	13.7696335
[47647]	49.3195876	39.7058824	85.3092783	48.9256198	53.4639175	24.8869565	47.3067485	36.9754601	15.1798246
[47656]	16.9852217	24.5183246	9.2944785	57.9175258	56.4123711	91.7603306	9.0979021	27.5257732	10.8392157
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[47674]	5.6910995	24.8705882	22.8595041	6.3246073	32.4150943	0.0000000	14.3560209	45.5876289	10.5176471
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[47755]	35.9608696	9.4579439	0.5260870	13.6256410	0.7333333	12.5092025	1.5654206	1.2670157	1.5877193
[47764]	5.8041237	17.428075	5.8545455	0.0000000	0.4692982	5.4764398	19.4845361	10.2162162	9.4090909
[47773]	0.0000000	3.5561497	0.0000000	3.5979381	0.0000000	1.7165775	0.7229730	1.6923077	22.1308901
[47782]	3.4797297	51.3396226	8.4335664	8.8534031	13.8245614	31.1711230	25.4696970	8.8534031	2.3426573
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[47800]	1.2670157	0.0000000	1.4965035	0.6564417	7.0727273	20.1287879	11.4639175	7.4307692	12.4679245
[47809]	19.5176471	50.3157895	20.9176471	30.4010695	3.1623037	17.2717949	0.0000000	2.0000000	35.2012987
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[47827]	1.7364865	0.0000000	5.6174242	3.5076923	1.2969697	0.0000000	11.0618557	25.8636364	7.0046296
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[47854]	1.4965035	0.5654206	3.7882353	1.2670157	0.0000000	0.0000000	0.6205128	25.2931937	1.0614035
[47863]	15.5435897	1.4196078	5.6256158	6.5878788	20.0890052	3.0139860	0.0000000	0.5307018	9.9076923
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[47881]	3.4385027	20.9893048	17.6588785	4.0719697	0.5601852	2.2447552	1.3137255	0.9490196	0.0000000
[47890]	3.3092784	8.6233766	0.5307018	0.0000000	0.0000000	4.7675439	0.9521739	5.3098039	9.9429825
[47899]	0.0000000	3.4385027	16.0259740	5.7402597	0.0000000	0.0000000	1.0614035	0.6354680	1.7272727
[47908]	27.4716981	6.1754386	8.7540107	5.7113402	3.1623037	9.4303030	0.4196078	1.0614035	1.4666667
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[47935]	30.3201754	15.9256757	6.4112150	2.0150943	10.1403509	0.0000000	13.3764706	4.3814433	9.4554974
[47944]	12.2901961	40.1411043	55.8009259	12.8464912	7.7058824	0.0000000	0.0000000	3.5123967	0.0000000
[47953]	9.8235294	16.7692308	36.5130890	3.5051546	8.9695652	0.0000000	3.8512821	8.7202797	0.6666667
[47962]	0.0000000	0.0000000	7.6806283	8.1384615	5.2066116	0.0000000	2.0858896	0.0000000	2.6288660
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[47980]	9.8181818	4.4859813	7.3859649	21.7149533	3.1359649	0.7456140	6.5034965	3.3552632	0.0000000
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[49258]	7.1134021	40.4824561	56.7546296	67.8521739	10.5804196	2.1019608	32.0942408	49.9584906	30.8663102
[49267]	26.1237113	4.0303030	9.8342246	6.5418719	8.5294118	23.3070175	38.0606061	1.3818182	8.7818182
[49276]	11.5214724	42.3612565	12.1764706	46.5026178	82.3886792	58.6503067	17.4188482	24.3396226	19.6446281
[49285]	18.9575758	4.4716981	4.3939394	18.3350785	2.9320755	0.7857143	3.7958115	2.3565217	7.5863874
[49294]	1.4666667	14.9860140	37.7319588	26.6307692	58.7272727	46.6643357	4.4240838	18.9252336	61.9636364
[49303]	12.4424242	3.1623037	35.2000000	39.7622378	5.5743590	46.9359606	34.8739130	4.9917355	19.6847291
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[49321]	47.6710526	16.3684210	12.8595041	6.8102564	10.8620690	3.1798246	0.0000000	0.6205128	3.0974359
[49330]	0.0000000	3.5700935	4.5263158	2.3137255	3.3092784	1.0614035	9.3472222	2.6081081	0.0000000
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[50500]	18.9685864	37.7700535	6.9528796	25.1042945	1.4666667	19.6020942	9.2871795	2.1184211	8.0512821
[50509]	15.1798246	0.0000000	0.0000000	1.2474227	11.0887851	0.0000000	0.0000000	15.5064935	17.0339623
[50518]	8.1893939	7.0046296	1.7832512	19.5614973	0.0000000	2.1712963	0.0000000	4.3560209	12.1842105
[50527]	3.0603774	13.5445026	25.1283784	19.4948454	11.1401869	0.4583333	0.0000000	29.9299065	4.4478528
[50536]	0.5960591	5.4886364	0.0000000	4.2906404	8.5272727	0.0000000	4.3939394	7.3298969	23.7486631
[50545]	13.1570681	1.4666667	2.4385027	4.4240838	16.4210526	0.8842975	1.1204188	17.4921466	19.3769634
[50554]	32.3286713	23.0489510	85.4166667	29.6867924	11.6974359	5.1939394	44.7149533	40.5879630	17.4298246
[50563]	34.3738318	0.6205128	3.0974359	0.0000000	9.9440559	3.5811518	0.0000000	31.1308411	6.3743316
[50572]	22.4764398	18.6256684	10.0614035	4.7675439	2.1308411	7.1773399	10.7486911	10.8086957	17.7685950
[50581]	8.7113402	1.3137255	41.1184211	63.5521472	27.5561497	9.7803030	11.1959460	14.4816754	5.0213904
[50590]	21.7149123	5.5025641	5.1212121	12.7482517	47.4521739	28.9528796	45.1132075	9.4662577	24.4264151
[50599]	4.8016529	32.8795811	6.1471698	0.7857143	13.9109948	3.1056604	4.9917355	1.8952880	13.4055944
[50608]	11.2490566	23.8333333	42.5747664	8.3608247	3.5714286	19.0303030	0.0000000	6.5878788	26.8074866
[50617]	4.8016529	15.8062827	50.3298969	4.9917355	26.0102564	56.4480519	22.3706294	8.0512821	35.7379679
[50626]	2.9272727	51.0732984	2.1939394	10.3783784	22.0575916	20.3692308	7.4166667	6.4053030	13.9109948
[50635]	7.9429825	0.0000000	1.2410256	0.0000000	2.1151515	19.9586777	2.3505155	0.0000000	1.4459459
[50644]	15.3484849	6.9839572	13.6149733	14.4969697	0.0000000	7.0980392	4.4240838	0.0000000	8.2198953
[50653]	4.0467290	10.1900826	15.7975460	18.1869565	5.5463918	5.5123153	0.0000000	6.9465241	0.0000000
[50662]	5.7402597	10.5794393	0.8941176	0.0000000	6.5151515	0.5307018	6.6051282	34.6820513	0.0000000
[50671]	13.7719298	5.5092025	34.1413613	2.2941176	3.6492147	9.5350877	17.3384615	3.5979381	16.7515151
[50680]	4.3333333	35.0923077	15.0641711	2.6491228	44.1978610	35.3224299	18.6635514	16.2391304	47.3956522
[50689]	3.1798246	4.9605911	16.7055215	14.9813084	20.1782609	61.1347826	49.0165289	26.7536946	45.2956522
[50698]	72.6869565	53.1521739	64.4805195	54.5056604	14.6363636	58.0534759	42.2085561	18.9692983	33.8449198
[50707]	1.7897436	1.1443850	0.6354680	2.9753695	1.1921182	8.8317757	13.7476636	4.9842932	5.9679144
[50716]	4.7675439	2.0000000	2.5654206	16.4043478	8.2198953	64.7886793	47.4649123	27.4280303	11.5989305
[50725]	27.5438597	4.2299465	5.0424242	6.5878788	1.4965035	24.8321678	59.5064935	51.6625767	23.3433962
[50734]	17.1515152	6.7320755	16.5026178	2.5207547	4.3333333	14.4742268	2.6490566	29.7172775	4.1622642
[50743]	3.1623037	10.9752066	9.3711340	4.9538462	45.5849057	40.6564417	12.0104712	23.3926702	30.1403509
[50752]	4.8760331	13.2774869	41.9458128	4.6865552	2.4405594	36.5287958	16.3961039	3.9917355	3.4345550
[50761]	51.2587719	1.2192513	0.0000000	25.1570681	5.0575916	4.4240838	28.0701754	8.8534031	0.6354680
[50770]	6.3552632	11.7641026	0.0000000	4.9538462	5.5862069	0.9385965	7.4742268	20.7540107	1.0614035
[50779]	2.5240642	0.0000000	11.3558282	3.7061404	0.0000000	0.0000000	4.7675439	0.6205128	8.5582822

[50788]	15.9631902	20.7062937	3.3608247	0.0000000	0.6335079	0.0000000	3.1351351	23.0270270	0.0000000
[50797]	0.0000000	4.9538462	4.7832168	34.9561403	8.7801047	19.7636364	2.9272727	4.6096257	9.3152709
[50806]	27.3921569	9.2205128	5.8760331	19.8153846	18.8376963	2.6962617	10.6042781	23.8333333	54.1735537
[50815]	79.4723926	25.6288660	22.3581081	5.8545455	26.4018692	8.5333333	15.8741259	51.7177914	4.9917355
[50824]	23.3515152	0.8175676	5.3179487	20.8513514	6.5358491	35.6542056	0.0000000	16.3962264	3.9431818
[50833]	10.2268041	16.6853147	23.8663102	14.3317757	0.0000000	10.8930481	0.5601852	4.8659794	0.0000000
[50842]	2.1056604	11.0363636	12.8321678	29.7943925	46.5467980	7.7931034	53.9529412	16.1025641	16.4397906
[50851]	30.6134969	37.1628788	5.0575916	21.4719626	16.2561576	61.9490196	1.7364865	6.5686275	50.5217391
[50860]	11.6974359	60.4439252	46.0309278	1.2670157	0.0000000	5.4475524	0.4583333	10.0264151	0.7482517
[50869]	3.6606061	0.0000000	4.9793814	0.0000000	0.5589744	0.5721925	16.1176471	18.5151515	0.0000000
[50878]	9.5151515	7.5454545	3.1623037	3.9008264	0.0000000	0.0000000	1.4965035	6.7320755	23.3901515
[50887]	8.1081081	2.6491228	29.4480519	4.0695187	0.0000000	1.9358289	7.0584416	3.6823529	11.3089005
[50896]	29.9429825	10.2702703	6.3098039	8.6564417	10.6495327	13.2774869	47.2577320	39.4864865	18.8040541
[50905]	1.6351351	21.8595041	4.5828877	7.8677686	21.8235294	2.1184211	19.8043478	14.7215686	23.3769634
[50914]	1.7333333	3.8391608	61.1272727	0.7482517	2.6081081	1.7882353	22.3608696	6.9528796	3.4797297
[50923]	4.5874126	22.0093458	15.3026316	15.4662162	0.8716216	0.9490196	0.8716216	18.0233645	0.0000000
[50932]	2.0046729	3.9121622	11.7597403	18.7105263	26.0785340	0.7857143	29.5133690	28.5240642	49.3155080
[50941]	21.1575758	7.2371134	7.2164948	4.6223776	2.2447552	2.5307018	0.8716216	9.8588957	0.0000000
[50950]	21.4256757	9.7379679	31.9886793	13.9030303	0.6205128	47.3507853	34.0837696	0.0000000	1.7364865
[50959]	37.3272727	7.5644172	2.3141361	3.3092784	31.3201970	7.8311688	24.7229730	55.4905660	40.1929825
[50968]	5.3048128	2.4692921	21.1885965	1.0614035	20.9586777	2.0747664	1.7832512	11.8782609	23.2955665
[50977]	7.0826446	21.1649485	24.7835051	2.2627451	24.4345550	20.5876289	47.8823529	44.4355828	6.6363636
[50986]	14.5508021	45.1056604	17.5863874	2.4051282	5.1212121	9.3317757	56.5882353	33.0209790	25.9214660
[50995]	40.2727273	57.0794393	67.7005348	61.0695187	47.9917355	35.2307692	19.4150943	14.8773006	18.2969697
[51004]	17.4188679	3.5757576	30.3507853	5.8641509	0.7857143	27.8219895	11.9752066	3.7179487	17.4280705
[51013]	15.2566038	20.4909091	51.6818182	39.0139860	9.5566502	33.3320755	37.7076923	6.8952880	5.8545455
[51022]	37.7486631	7.5863874	10.1151832	37.7120419	40.4705882	4.1104294	37.9267016	62.7857143	32.9211823
[51031]	13.2774869	39.9587629	30.1550802	0.7333333	60.0628272	12.0104712	12.6439791	17.0135135	22.7763158
[51040]	6.8859649	12.3575758	7.9429825	2.6491228	9.2871795	0.5307018	0.0000000	1.2410256	2.4769231
[51049]	0.0000000	2.6787879	10.9813084	7.9267016	0.4053030	28.3636364	0.0000000	6.9528796	1.2670157
[51058]	23.9773585	0.0000000	0.8264151	26.1315790	17.7686275	8.4627451	13.7593583	50.2196262	6.9545455
[51067]	4.7675439	0.6205128	0.0000000	13.7692308	21.8449198	49.8235294	25.5670103	28.6769231	9.6891892
[51076]	36.0714286	112.1824324	28.5828877	34.2727273	5.7647059	30.0196078	12.3243243	30.9447853	45.3917526
[51085]	4.5828877	0.7857143	7.0555556	57.8652174	0.0000000	1.8564103	1.7540107	1.5877193	4.2299465
[51094]	24.0000000	8.5538462	0.0000000	19.6704545	2.4051282	0.7333333	0.6205128	4.7675439	0.5093458
[51103]	0.7333333	2.4051282	0.0000000	3.1623037	1.0000000	9.8453608	0.0000000	12.4424242	30.8785047
[51112]	1.2410256	0.5960591	7.0509804	5.6823529	0.7333333	1.2266010	6.9465241	0.0000000	3.5462963
[51121]	0.0000000	13.7192982	48.1647059	0.0000000	12.1842105	26.0102564	0.4745098	0.0000000	8.0512821
[51130]	0.0000000	0.0000000	14.8615385	2.3711340	0.0000000	1.9385965	38.3684211	7.1379310	18.9179487
[51139]	16.3582888	12.6439791	8.6418919	8.8534031	0.7333333	1.4666667	2.4769231	3.9917355	3.6319018
[51148]	12.2990654	1.5877193	7.4895105	24.6962617	2.1411043	32.2652174	38.5046729	35.0603774	47.9252336
[51157]	50.0000000	77.6701571	77.0591133	34.7172775	54.4974359	20.7272727	37.3076923	25.3521739	65.6784314
[51166]	29.0307017	39.9698113	39.9587629	10.4717949	23.1231527	6.9834711	3.0256410	47.3507853	42.0363636
[51175]	2.3048128	9.2944785	9.3706294	8.2315271	2.3505155	26.6307692	8.6401869	22.7129630	24.8971963
[51184]	37.6428517	57.6261682	20.2303665	34.9447853	17.4921466	49.2196262	50.7846154	7.4438503	37.3272727
[51193]	46.5939394	6.3552632	2.0552147	41.1538461	35.0246305	7.1754386	55.4345550	10.8971963	22.6453202
[51202]	25.9214660	10.2521739	5.3140496	23.6494845	3.2627451	43.8219895	37.4759358	47.3051948	35.6509804
[51211]	7.5454545	27.8666667	25.9035088	8.6042781	8.4335664	3.0256410	10.2484849	58.0717949	22.2923077
[51220]	7.8741259	38.9435897	8.1401869	29.1692308	67.2476635	43.6907217	9.6082474	52.1832461	48.2657343
[51229]	24.1515152	10.1151832	26.5849057	7.2331288	30.8333333	14.3320755	0.0000000	17.0732984	1.2377358
[51238]	13.5757576	31.3298429	5.1000000	28.4502618	27.6727273	25.2641509	11.2280702	40.9704433	49.8311688
[51247]	17.7355372	22.7591623	28.4075472	59.4377359	13.1448598	32.2460733	45.3757576	36.5939394	2.5287958
[51256]	49.2315271	54.0913044	6.6687117	26.2758621	60.4010695	39.7058824	0.7333333	33.9338843	18.7177914
[51265]	0.0000000	22.6216216	51.7832512	6.8848168	6.9528796	19.7536946	4.4240838	12.1842105	5.5743590
[51274]	0.0000000	9.0769231	7.9429825	0.0000000	2.4769231	3.7958115	0.0000000	0.5960591	17.3379630
[51283]	4.7435897	0.0000000	15.4639175	41.9324324	39.8260870	2.5877193	48.9509203	77.4948454	50.2299465
[51292]	31.2515337	41.5519481	16.7593583	23.9735849	9.5608696	7.7219251	0.0000000	14.1871658	24.0139860
[51301]	3.5549738	5.6282723	15.1893939	0.0000000	0.0000000	5.8545455	0.6564417	0.0000000	9.0043860
[51310]	3.5700935	0.0000000	3.0890052	14.3987730	12.7897196	2.0046729	17.8342246	0.9166667	5.8128342
[51319]	2.1939394	1.8952880	5.2078431	16.5614973	0.0000000	3.1674877	35.3223141	33.2517482	19.4785276
[51328]	0.0000000	1.6923077	23.3926702	0.0000000	0.0000000	10.9757576	2.9917355	0.0000000	0.0000000
[51337]	26.5766871	39.1929825	0.0000000	11.7486631	7.8901961	8.7818182	6.9528796	19.0657895	6.8770053
[51346]	0.6335079	0.6335079	4.3939394	0.0000000	8.3230769	2.4554974	2.1939394	18.9719626	46.0103093
[51355]	34.8157895	37.6401869	31.4512820	42.6620370	19.0175439	39.1497326	5.8545455	25.8534031	35.4385965
[51364]	0.6205128	47.6710526	49.5916230	1.1604278	5.2162162	35.9179487	3.7055215	7.0102564	0.0000000
[51373]	21.4973822	17.1121495	11.5547170	40.0454546	18.3487180	27.0909091	43.7102804	29.1396226	1.8952880
[51382]	3.7482517	15.9518717	40.1254902	6.3552632	6.9079755	6.3552632	28.4606061	3.3317757	14.8719212
[51391]	14.5608696	15.8545454	25.1048951	6.2268041	52.9690722	0.4196078	41.7120419	26.8321678	63.2097902
[51400]	24.3295455	19.1443850	23.3926702	4.1550802	9.9587629	3.4345550	2.1939394	8.0484848	11.0629371
[51409]	4.5828877	19.2000000	17.4848485	35.7972028	60.1678322	64.1404959	84.4869565	24.7743590	51.0104712
[51418]	37.4948454	43.7636364	22.6910995	32.7396226	49.0363636	3.7958115	29.9886793	20.7958115	22.5497382
[51427]	20.2830189	0.0000000	29.0837696	8.0981132	0.7857143	21.2827225	0.8679245	11.6303030	4.9538462
[51436]	24.8321678	11.4264151	21.7685950	68.4740260	26.8969072	5.5130890	31.8391304	53.7434555	10.2484849
[51445]	9.5151515	50.2196262	25.7546012	1.1937173	34.6820513	36.2727273	0.0000000	20.0890052	61.6130435
[51454]	36.5779221	0.0000000	22.1237113	27.7647059	4.3333333	17.5636364	56.9633508	3.6461538	0.0000000
[51463]	31.7972973	35.4958678	24.3640351	0.0000000	21.0564103	4.9538462	3.1798246	0.0000000	1.2410256
[51472]	0.0000000	0.0000000	0.0000000	17.0747664	10.9528796	1.5877193	22.2869565	1.1030928	20.0000000
[51481]	2.5964912	0.0000000	36.8865979	44.8128342	46.8834356	6.7379679	11.3957219	0.0000000	12.6060606

[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```

>
> # ---- Spearman correlation test ----
> cor_test <- cor.test(x, y,
+                       alternative = "two.sided",
+                       method = "spearman",
+                       exact = TRUE)
Warning message:
In cor.test.default(x, y, alternative = "two.sided", method = "spearman", :
  Cannot compute exact p-value with ties
>
> print(cor_test)

```

Spearman's rank correlation rho

```

data: x and y
S = 3.4345e+13, p-value < 2.2e-16
alternative hypothesis: true rho is not equal to 0
sample estimates:
      rho
-0.4704632

```

```

>
> # ---- Confidence interval using RVAideMemoire ----
> if (!"RVAideMemoire" %in% installed.packages()) {
+   install.packages("RVAideMemoire")
+ }
> library(RVAideMemoire)
*** Package RVAideMemoire v 0.9-83-7 ***
>
> # Compute confidence interval for Spearman rho
> spearman_ci <- spearman.ci(x, y)
> print(spearman_ci)

```

Spearman's rank correlation

```

data: x and y
1000 replicates

95 percent confidence interval:
-0.4775803 -0.4640013
sample estimates:
      rho
-0.4704632

```

```

>
>

```