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## **Socio-Economic Exclusion of Different Religious Communities in Meghalaya**

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**Introduction:** Meghalaya is one of the prosperous states in the North Eastern region of India. Before Meghalaya was separated from Assam in the early 1970's, its leading city, Shillong, was the capital of the erstwhile Assam. On account of different administrative, technical, educational, commercial and various other activities, a large population has migrated into Meghalaya over time. In the pre-independence period, Meghalaya attracted the British administrators and the Christian missionaries alike. The Assamese and the Bengali population migrated into the State much earlier partly due to nearness and partly for administrative, educational and commercial reasons. The population from other parts of India came to the state in response to the demand for work force in the tertiary sector, although commerce also has been one of the attractions. Of late, a large population has migrated into Meghalaya from Bangla Desh in search of livelihood. Mining and timber business have attracted a large workforce in the Jaintia Hills and a few other districts. All these forces have transformed Meghalaya into a multi-ethnic, multi-lingual and multi-religion state.

**Objective of the Present Study:** The multi-ethnic, multi-religion and multi-lingual forces operating in Meghalaya cut across each other and shape the overall social, political and economic landscape of the state. We intend to examine in this paper as to how the emerging socio-economic landscape has been inclusive with regard to different religious communities inhabiting Meghalaya. It is well known that in Meghalaya the Christian population is overwhelmingly large in proportion and the Hindus and the Muslims occupy the second and the third ranks respectively. Whether they have a proportionate share in the fruits of development is what we intend to examine here.

**The Multi-religion Structure of Population:** Presently, Meghalaya's population is predominantly Christian; about 70 percent of the total. The next sizeable religious community is the Hindus. Some Khasis, Jaintias, etc believe in their original religion. The Muslim population is a little over 4 percent. Sikhs, Buddhists and Jains are less than 0.5 percent of the total (Table-1).

One has to understand the predominance of the Christian population in Meghalaya in the historical, political, social and economic perspective. The original inhabitants of Meghalaya are Khasis, Jaintias, Garos, Kacharis, etc. These tribes, who belonged to the Indo-Chinese linguistic family, the Mon-Khmer and the Tibeto-Burman, migrated into the North East India. Originally all these people have had their own tribal religion. The Khasis had a mono-theistic religion based on the belief of One Supreme God who is called 'U Blei Nongthaw.' The Garos also believed in One Supreme God called 'Rabuga.' With the important exception of the Pnar Hindus, the religion of the Jaintias, their social habits, customs, etc are similar to those of the Khasis. There are many Pnar-Hindus at Nartiang, the hill Capital of the Jaintia Kings who became Hindus after they had conquered a large part of the Surma valley and established their capital at Jaintiapur (see Meghalayazoom, at <http://www.meghalayazoom.org/Meghalaya%20History/>).

Before Meghalaya came under the British rule (in 1872), the North East India was almost out of the control of the Mughal Empire, partly due to the weak center and the rest due to

distance, inaccessibility, social distance and meager economic returns. The people were extremely poor, uneducated and deprived of all benefits of the modern civilization.

Around the middle years of the 19<sup>th</sup> century, the people of Meghalaya were exposed to Christianity. Mr. Thomas Jones with a mission to convert the Khasis to Christianity arrived at Cherrapunji sometime in 1841 and dedicated himself as much to addressing the tribe's material needs as their spiritual ones. This balanced approach was revolutionary for its time. "He taught the people modern building and carpentry techniques; the crafts of the blacksmith and the mason; accounting, so that they were less vulnerable to devious traders; and transformed the Khasi lime industry by encouraging the Khasi to use coal rather than wood in the production process, which was gradually stripping the surrounding Jaintia Hills of the virgin forest. The Khasi taught Jones their language. Jones set himself the task of compiling a Khasi alphabet and dictionary, a process, which owed as much to Welsh as to English. He produced his First Khasi Reader and his translation of Rhodd Mam, (A Mother's Gift) in 1842. They were the first publications in the Khasi language, and are the source of all Khasi literature" (see Wales History, BBC Home). The first mission School was opened in the Jaintia Hills by the Welsh Presbyterian Mission in 1852 and Christian work began about the same time. In 1871, Jones opened the first schools in the region at Cherrapunji and the neighbouring villages of Mawsmal and Mawmluh. The Khasi were to be educated for the next 50 years solely by Welsh missionaries and their assistants.

In 1867, Dr. Brownson baptized 37 Garo converts and organized them with Mr. Omed, Mr. Rankha and Rangkhut, a Christian Garo policeman into a church of 40 members. The Garos were left untouched until 1847 and in 1863, Omed and Rankha were baptized and they established a new village Rajasimla (Felix, 2007). The Catholic Christians celebrated 100 years of Christianity in 1991.

Christianity has played a great role in the religious, social, cultural, educational, medical and health and political life of the community. Although some scholars argue that the Christian missions went hand in hand with Imperialism and colonial conquest (and there is some truth in it), we cannot ignore the services rendered by the missions to the societies and peoples in the different parts of the world. There has been appreciable role of the missionary in anthropology, gender relations, language, medicine, and decolonization (Etherington, 2005). All these facts go a long way to explain the predominance of the Christians in the total population of Meghalaya.

Meghalaya has seven districts. Although the Christians are numerically dominant in every district, the West Khasi Hills tops them all, with about 95 percent of the people being the Christians. On the other hand, the Christian population dominates only marginally in the West Garo Hills district (about 54.6 percent of the total population). The Hindus and the Muslims together make up about 37 percent of the total population there. Overall, the Hindus are the second numerically dominant religious community in the population (see Table-2).

**Measures of Socio-economic Inclusion/Exclusion:** Does numerical dominance entail socio-economic dominance? To look into this issue we have selected some indicators of socioeconomic importance. We have based our study on the data thrown up by the Census of India-2001. The indicators constructed for this study are:

$z_1$ = Children of age 6 years or below in the total population

$z_2$ = Male Children of age 6 years or below in the total male population

$z_3$ = Female Children of age 6 years or below in the total female population

$z_4$ = Literate in the 6 plus total male population

$z_5$ = Literate in the 6 plus total female population  
 $z_6$ = Main Workers in the total male population  
 $z_7$ = Main Workers in the total female population  
 $z_8$ = Agricultural Workers to Cultivators ratio in total population  
 $z_9$ = Female Agricultural Workers to total Agricultural workers ratio  
 $z_{10}$ = Household industries workers among the total workers ratio  
 $z_{11}$ = Female household industries workers among the total HHI workers ratio  
 $z_{12}$ = Female Other workers among the total Other workers ratio  
 $z_{13}$ = Female non-workers to female workers ratio

Among these indicators, the first three ( $z_1$ ,  $z_2$  and  $z_3$ ) are related with the growth rate of population. A larger number of children in the 0-6 age group indicate that the population is growing faster, which might prove to be a drag on development. The second group of two indicators ( $z_4$  and  $z_5$ ) relate to literacy, which is socially as well as economically enabling. The larger proportion of main workers in the male population ( $z_6$ ) opens opportunities to higher earning for the family. However, a larger proportion of main workers in the female population ( $z_7$ ) might play a dubious role. In urban societies, working women add substantially to the household income and pave a way to higher economic well being. But Meghalaya is as yet a predominantly rural state. Working of women outdoors is customarily discouraged in the rural society. Women do rule at home, but are not very active out of the household. Only economic compulsion, needed for the sustenance of the family may bring them out for work (which, by the way, is not very lucrative). This reason applies to female participation as agricultural workers ( $z_9$ ) and other occupations ( $z_{11}$ ,  $z_{12}$ ) too. Non-workers in the female folk are more associated with prosperity ( $z_{13}$ ). The leisure class culture (Veblen, 1899) prevails as yet.

The ratio of agricultural workers to cultivators ( $z_8$ ) obviously reflects concentration of land holdings in fewer hands. Concentration of land ownership possibly may lead to higher savings and investment, but it is more unlikely in the economy of Meghalaya. It is rather indicative of those forces operating in the economy that leads to concentration of productive resources in fewer hands possibly pauperizing/excluding many others from the advantages of owning the resources. Development, however, is almost always associated with a tendency to such concentration. In Meghalaya too, private ownership of land is fast replacing the traditional community ownership.

We examine these indicators overall as well as disaggregated for rural and urban sectors. They might have different roles at the disaggregated levels.

**Construction of Composite Index:** The complex of the thirteen indicators over seven districts (as well as the state level) overall and also disaggregated at the rural/urban level may not readily give us a comprehensive picture. Therefore, we have to construct an index by assigning weights to the indicators and aggregating them.

The methods of constructing composite indices are many, but they may be classified into two types: the one that determines weights on extraneous information (judgment, expert opinion, or some other data/information) and the other that derives weights mathematically from the indicators themselves (Mishra, 2007-b). Presently, as we have no extraneous information to determine the weights of indicators, we will determine them mathematically.

The Principal Components analysis (PCA) is perhaps the most popular method of assigning weights to different indicators and constructing a composite index. It aggregates the weighted indicators such that the sum of the squared coefficients of correlation between the composite index and the indicator variables is maximized. However, its efficiency depends on the

strength of correlation among the indicators. If the indicators are weakly correlated, the index has only a weak power of representation.

The Principal Components method has another drawback. With an objective to explain the largest possible variance in the data (indicators), which amounts to maximizing the sum of the squared coefficient of correlation between the index and the indicators, it has no regards to representation of individual variables. It may undermine some indicators if so doing it can meet its objective better. So often, the result is that when the indicator variables are poorly related among themselves, some of them are marginalized to find no representation in the composite index. Thus, if the indicators are poorly correlated among themselves, the Principal Components Indices are often elitist.

However, one may construct a composite index by maximizing the sum of absolute coefficients of (product moment) correlation between the index and the indicator variables (Mishra, 2007-a). The optimal properties of the Principal Components index guarantee that no linear aggregation of the indicator variables other than the one obtained by the PCA can ever explain the variance in the indicator variables better (or even at par). Therefore, the alternative index maximizing the sum of absolute coefficient of correlation between the index and the indicator variables must be inferior to the PCA index on this count. But the trade off is between the overall representation (explaining the variance) and the representation of individual variables, which might have their own socio-economic importance, cannot be undermined only to gain a slightly more (overall) explanatory power. The alternative index secures representation at the cost of slightly lower power of explaining the total variance in the indicator variables.

We will call the PCA Index  $I_2$  and the alternative index  $I_1$ . We construct both types of indices and examine their implications. Stated mathematically, if  $r(I, z_j)$  is the coefficient of correlation between the composite index (I) and the indicator variable  $z_j$  then  $I_1$  maximizes  $\sum_{j=1}^m |r(I_1, z_j)|$  and  $I_2$  maximizes  $\sum_{j=1}^m r^2(I_2, z_j)$  or  $\sum_{j=1}^m |r(I_2, z_j)|^2$ .

**The Findings and Interpretation:** The composite indices (PCA  $I_2$  and ABS  $I_1$ ) that we obtain from our endeavour are indeed the indices of exclusion. The correlation coefficients of the indices (Table-3) are positive with  $z_1, z_2, z_3, z_7, z_9, z_{11}$  and  $z_{12}$ . The first three indicators are of higher population growth and next four relate to participation of women folk in the workers category. These variables vary inversely with development. The correlation coefficients of the indices are negative with  $z_4, z_5, z_6, z_8, z_{10}$  and  $z_{13}$  among which  $z_6, z_8, z_{10}$  are weakly correlated with the PCA  $I_2$ . Of these, the first two relate to literacy. Male work participation, agriculture worker to cultivator ratio, working in the household industries and non-working female population are also related with better economic status. A negative correlation of these indicators with the indices is again pointing to the fact that our indices are the indices of exclusion.

The PC index ( $I_2$ ) undermines correlation of the index with three indicators,  $z_6, z_8$  and  $z_{10}$ . However, the alternative index ( $I_1$ ) substantially improves their representation. For this, a small cost is paid by  $I_1$  in terms of reduction of the overall explanatory power (vis-à-vis  $I_2$ ) by about 1 percent of the total variance of the indicator variables. In this sense  $I_1$  is a better index than  $I_2$ .

Which religious communities are included or excluded more intensively? Since we have obtained the index of exclusion, larger values of the index signify more intense exclusion. Overall, the Hindus obtain larger values. In particular, Hindus in the rural areas of Meghalaya are indeed in a disadvantaged position. But in West Garo Hills, Ri Bhoi and East Khasi Hills, the

Hindus are in large numbers. In these districts the intensity of their exclusion is relatively less. On the other hand, in the urban segment (except in the Jaintia Hills) the Hindus are better off than the Christians, but not the Muslims. In the urban sector of Jaintia Hills there is a very large migratory population of Hindus, who came there for work in the mining activities. The socio-economic condition of labourers in the mining sector is deplorable.

In the urban as well as the rural areas, the Muslims are better off than the Hindus. This finding runs contrary to the generally held view that the Muslim community is more deprived (Mistry, 2005). They are better off than the Christians too in the urban segment of population. As a matter of fact, the Christian population in the urban areas is more excluded than the Hindus as well as the Muslims. Of course, the Christians are better off than others in the rural areas.

It appears that in the (overall) urban segment of Meghalaya's economy the migrant population of the Hindus as well as the Muslims has won advantages vis-a-vis the Christian population (most of whom migrated to the towns from the local rural surroundings in search of livelihood). The urban accretion in Meghalaya has not been much rewarding to the local people.

Our study reveals, above all, that numerical dominance of population by itself does not lead to socio-economic inclusion. Numerical dominance of population of a particular category in any area, if caused by their economic ejection in other areas or by the urban accretion, may result only in exclusion. On the other hand, selective migration may be inclusive.

**Concluding Remarks:** Based on the data thrown up by the Census-2001 of India, we have constructed two composite indices of exclusion by weighted aggregation of 13 socio-economic indicators. In our opinion, the composite index ( $I_1$ ) obtained by maximization of the absolute coefficients of correlation of the index with the indicator variables performs better than the index ( $I_2$ ) constructed by the principal components analysis. A perusal of the index ( $I_1$ ) reveals that while the Christian segment of population (which is in a great majority) in the rural areas of Meghalaya is certainly better off than its Hindu or Muslim counterparts, it scores comparatively poorly in the urban areas of Meghalaya. In the urban areas, the Muslim segment of the population is in the most advantageous position, followed by the Hindus. The Christians segment of population is more intensively excluded from the benefits of development. Thus, numerical dominance of a particular religious community does not entail socio-economic advantages. The advantages of numerical dominance may well be absorbed by the intra-community inequalities in the command over resources and opportunities.

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## Tables

Religious Communities	Population (2001 Census)			Percentage-wise Distribution		
	Total	Male	Female	Population	Male	Female
All Religions	2318822	1176087	1142735	100.0000	100.0000	100.0000
Hindus	307822	168517	139305	13.2749	14.3286	12.1905
Muslims	99169	52455	46714	4.2767	4.4601	4.0879
Christians	1628986	812961	816025	70.2506	69.1242	71.4098
Sikhs	3110	1810	1300	0.1341	0.1539	0.1138
Buddhists	4703	2513	2190	0.2028	0.2137	0.1916
Jains	772	405	367	0.0333	0.0344	0.0321
Others	267245	133899	133346	11.5250	11.3851	11.6690
Religion not stated	7015	3527	3488	0.3025	0.2999	0.3052

Districts	WGarO	EGarO	SGarO	WKhasi	RiBhoi	EKhasi	Jaintia	Meghalaya
Population	518390	250582	100980	296049	192790	660923	299108	2318822
Hindu(%)	21.5143	5.6321	4.8326	1.9122	15.1030	19.5746	4.3964	13.2749
Muslims(%)	15.2343	1.5280	2.7401	0.0885	0.6774	1.4822	0.7476	4.2767
Christians(%)	54.5661	88.9497	89.6475	94.7640	79.7147	61.0172	65.2594	70.2506
All Others(%)	8.6854	3.8901	2.7798	3.2353	4.5049	17.9260	29.5967	12.1978

Variable	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	Z <sub>5</sub>
PCA I <sub>2</sub>	0.753984835	0.664956128	0.480051570	-0.491829504	-0.465968699
ABS I <sub>1</sub>	0.695080353	0.620329377	0.405744505	-0.574169178	-0.508344911
Variable	Z <sub>6</sub>	Z <sub>7</sub>	Z <sub>8</sub>	Z <sub>9</sub>	Z <sub>10</sub>
PCA I <sub>2</sub>	-0.132077955	0.668960840	-0.162065304	0.297406741	-0.040808474
ABS I <sub>1</sub>	-0.285302608	0.574121505	-0.284241744	0.272504048	-0.210485300
Variable	Z <sub>11</sub>	Z <sub>12</sub>	Z <sub>13</sub>	SAR	SSR
PCA I <sub>2</sub>	0.501295632	0.572267591	-0.643161529	5.8748348	3.2739111
ABS I <sub>1</sub>	0.484518794	0.545265083	-0.621402392	6.0815098	3.1492410

District	All	Hin	Mus	Chr	Sik	Bud	Jai	Oth	Not
Meghalaya	0.3506	0.4028	0.1176	0.1367	0.2342	-0.0483	0.1880	0.2278	-0.0316
West Garo	0.3480	0.3782	0.0798	0.2316	0.2694	-0.0700	0.2067	0.2099	-0.0901
East Garo	0.4003	0.4287	0.2439	0.2827	0.3236	0.1883	0.2969	0.3025	0.2762
SouthGaro	0.3958	0.4134	0.1495	0.0681	0.1337	-0.1042	0.2617	0.2813	-0.0705
WestKhasi	0.4110	0.4237	0.2739	0.2109	0.2224	0.0587	0.1727	0.2101	-0.0270
Ri Bhoi	0.3798	0.3875	0.2498	0.1884	0.1962	0.0544	0.0788	0.1045	-0.1480
EastKhasi	0.2409	0.3572	0.0610	-0.0361	0.1095	-0.0901	-0.1490	0.0561	-0.1772
Jaintia	0.4339	0.4533	0.1797	0.2084	0.2249	0.0315	0.2163	0.2374	0.0399

District	All	Hin	Mus	Chr	Sik	Bud	Jai	Oth	Not
Meghalaya	0.1521	0.1882	-0.0191	-0.0157	0.0481	-0.1457	0.0226	0.0564	-0.1563
West Garo	0.1511	0.1711	-0.0257	0.0513	0.0749	-0.1779	0.0448	0.0472	-0.1783
East Garo	0.1883	0.2090	0.0677	0.0810	0.1129	-0.0011	0.1033	0.1039	0.0822
SouthGaro	0.1850	0.1978	-0.0089	-0.0928	-0.0483	-0.1937	0.0645	0.0804	-0.2068
WestKhasi	0.1951	0.2042	0.0739	0.0393	0.0482	-0.0524	-0.0180	0.0190	-0.2000
Ri Bhoi	0.1665	0.1718	0.0696	0.0170	0.0215	-0.0837	-0.1137	-0.0915	-0.4492
EastKhasi	0.0698	0.1501	-0.0718	-0.1488	-0.0512	-0.1860	-0.2674	-0.1092	-0.2794
JaintiaHills	0.2121	0.2247	0.0365	0.0056	0.0161	-0.0988	0.0109	0.0209	-0.0802

District	All	Hin	Mus	Chr	Sik	Bud	Jai	Oth	Not
Meghalaya	0.3860	0.4225	0.1885	0.0251	0.0249	0.0030	0.1863	0.3033	0.0454
West Garo	0.3802	0.4168	0.1316	-0.0151	0.1131	-0.2568	0.3331	0.3434	-0.1676
East Garo	0.4064	0.4306	0.2525	0.2264	0.0901	0.2259	0.3356	0.3738	0.1752
SouthGaro	0.4246	0.4345	0.2283	0.2379	0.2615	-0.1577	0.4166	0.4483	-0.0043
WestKhasi	0.4162	0.4298	0.2796	0.3299	0.2953	0.4443	0.5370	0.5956	0.1333
Ri Bhoi	0.4311	0.4392	0.2913	-0.0811	-0.0799	-0.0345	0.1809	0.1900	0.0714
EastKhasi	0.2902	0.3651	0.1459	0.0218	0.0181	0.0101	0.0164	-0.1759	0.0419
JaintiaHills	0.4357	0.4523	0.1924	0.0929	0.0929	0.0000	0.2590	0.3391	-0.0787

District	All	Hin	Mus	Chr	Sik	Bud	Jai	Oth	Not
Meghalaya	0.1805	0.2047	0.0384	-0.0853	-0.1113	-0.1109	0.0476	0.1298	-0.0557
West Garo	0.1802	0.2038	0.0191	-0.1104	-0.0274	-0.3007	0.1700	0.1774	-0.2074
East Garo	0.1938	0.2109	0.0802	0.0146	-0.0753	-0.0178	0.1376	0.1590	0.0253
SouthGaro	0.2089	0.2155	0.0596	0.0611	0.0784	-0.2527	0.1965	0.2161	-0.0629
WestKhasi	0.1995	0.2092	0.0798	0.1031	0.0725	0.2249	0.2951	0.3406	-0.0544
Ri Bhoi	0.2064	0.2121	0.1018	-0.1658	-0.1582	-0.1296	-0.0566	-0.0609	-0.0452
EastKhasi	0.1104	0.1594	-0.0018	-0.0859	-0.1218	-0.0878	-0.0906	-0.2478	-0.0609
JaintiaHills	0.2162	0.2268	0.0441	-0.1600	-0.1600	0.0000	0.0601	0.1269	-0.2208

District	All	Hin	Mus	Chr	Sik	Bud	Jai	Oth	Not
Meghalaya	0.1595	0.3239	-0.0106	0.4672	0.4941	0.1860	0.4454	0.4642	0.1468
West Garo	0.0536	0.1789	-0.1575	0.5829	0.5828	0.2045	0.4866	0.5056	0.0535
East Garo	0.2270	0.3514	0.1253	0.5863	0.5918	0.3718	0.6227	0.6227	0.0000
SouthGaro	0.0260	0.0260	0.0000	0.5317	0.5317	0.0000	0.3698	0.3837	0.2191
WestKhasi	0.3436	0.3436	0.0000	0.4635	0.4776	0.2441	0.4810	0.5332	-0.1623
Ri Bhoi	0.1040	0.1040	0.0000	0.4815	0.4822	0.4484	0.2367	0.2334	0.3717
EastKhasi	-0.1477	-0.0112	-0.1583	0.3922	0.4260	0.1669	0.4093	0.4557	0.1947
JaintiaHills	0.3759	0.8015	0.1980	0.4940	0.5236	0.1898	0.3808	0.3803	0.2748

District	All	Hin	Mus	Chr	Sik	Bud	Jai	Oth	Not
Meghalaya	0.0155	0.1394	-0.0965	0.2375	0.2559	0.0247	0.2166	0.2281	0.0152
West Garo	-0.0301	0.0777	-0.1883	0.3284	0.3284	-0.1092	0.2580	0.2708	-0.0514
East Garo	-0.0582	0.1081	-0.1837	0.3355	0.3397	0.0962	0.3484	0.3484	0.0000
SouthGaro	-0.0887	-0.0887	0.0000	0.3011	0.3011	0.0000	0.1466	0.1568	0.0209
WestKhasi	0.1581	0.1581	0.0000	0.2250	0.2353	0.0052	0.2177	0.2586	-0.2877
Ri Bhoi	-0.1465	-0.1465	0.0000	0.2458	0.2479	0.1973	0.0515	0.0471	0.2373
EastKhasi	-0.2269	-0.1348	-0.2339	0.1746	0.1965	0.0016	0.1926	0.2210	0.0592
JaintiaHills	0.1396	0.4344	0.0210	0.2580	0.2785	0.0509	0.1217	0.1210	0.0771



## Appendix

### Indicator Variables Meghalaya (Computed from the Data from Census, India 2001)

Description		Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	Z <sub>5</sub>	Z <sub>6</sub>	Z <sub>7</sub>	Z <sub>8</sub>	Z <sub>9</sub>	Z <sub>10</sub>	Z <sub>11</sub>	Z <sub>12</sub>	Z <sub>13</sub>
MGH	T	0.2018	0.2017	0.2019	0.6543	0.5961	0.4834	0.3515	0.3676	0.4706	0.0219	0.5591	0.3127	1.8451
	R	0.2148	0.2143	0.2153	0.5924	0.5324	0.4943	0.3862	0.3575	0.4705	0.0228	0.5831	0.3199	1.5892
	U	0.1485	0.1494	0.1475	0.8905	0.8350	0.4382	0.2098	1.0913	0.4750	0.0169	0.3790	0.3028	3.7655
	T	0.1419	0.1322	0.1535	0.7657	0.6027	0.5588	0.2238	0.5755	0.4523	0.0350	0.5301	0.1465	3.4689
	R	0.1614	0.1506	0.1743	0.6675	0.4562	0.5626	0.2922	0.5632	0.4514	0.0447	0.5650	0.1488	2.4228
	U	0.1138	0.1060	0.1234	0.8987	0.8029	0.5534	0.1246	1.2200	0.4721	0.0179	0.3775	0.1446	7.0254
	T	0.2118	0.2024	0.2224	0.4917	0.3522	0.4893	0.1177	0.8023	0.2039	0.0350	0.4450	0.1249	7.4996
	R	0.2237	0.2181	0.2298	0.4401	0.3065	0.4698	0.1157	0.8006	0.2016	0.0333	0.5397	0.1270	7.6409
	U	0.1268	0.1055	0.1586	0.7722	0.7111	0.6103	0.1342	1.0299	0.4493	0.0434	0.0724	0.1212	6.4541
	T	0.2108	0.2141	0.2074	0.6724	0.6332	0.4623	0.3751	0.3299	0.4860	0.0193	0.5698	0.3816	1.6662
	R	0.2206	0.2225	0.2186	0.6244	0.5807	0.4802	0.4045	0.3183	0.4864	0.0199	0.5860	0.3706	1.4725
	U	0.1645	0.1728	0.1567	0.8948	0.8542	0.3743	0.2418	1.0604	0.4783	0.0154	0.4266	0.3978	3.1362
	T	0.1225	0.1110	0.1385	0.8210	0.6411	0.5564	0.1715	0.8788	0.3966	0.0073	0.2222	0.1586	4.8296
	R	0.1358	0.1014	0.2077	0.8722	0.6489	0.7551	0.2254	0.8750	0.4107	0.0039	0.0000	0.0463	3.4375
	U	0.1173	0.1158	0.1191	0.7957	0.6391	0.4598	0.1565	1.0000	0.0000	0.0097	0.2857	0.2203	5.3899
	T	0.1437	0.1441	0.1434	0.7643	0.6429	0.4759	0.2534	0.3443	0.5053	0.0160	0.6071	0.2144	2.9459
	R	0.1826	0.1790	0.1870	0.6387	0.4534	0.4689	0.3349	0.3340	0.5028	0.0191	0.5789	0.1506	1.9864
	U	0.1021	0.1044	0.0996	0.8948	0.8142	0.4839	0.1718	0.9000	0.5556	0.0119	0.6667	0.2370	4.8191
	T	0.1347	0.1333	0.1362	0.7407	0.6530	0.6296	0.3161	0.0760	0.6923	0.0189	0.2857	0.1444	2.1638
	R	0.1500	0.1397	0.1615	0.4286	0.2222	0.6369	0.5528	0.0643	0.6364	0.0099	0.0000	0.1579	0.8090
U	0.1227	0.1283	0.1165	0.9848	0.9725	0.6239	0.1311	0.0000	1.0000	0.0298	0.4000	0.1429	6.6296	
T	0.2146	0.2160	0.2131	0.4534	0.4472	0.5114	0.4240	0.4297	0.4865	0.0196	0.6036	0.4132	1.3582	
R	0.2204	0.2208	0.2201	0.4075	0.4016	0.5236	0.4426	0.4256	0.4873	0.0201	0.6122	0.4126	1.2592	
U	0.1594	0.1689	0.1505	0.8774	0.8256	0.3907	0.2561	1.6415	0.4253	0.0125	0.4078	0.4153	2.9048	
T	0.2105	0.2047	0.2165	0.4581	0.4142	0.5305	0.4252	0.5686	0.4459	0.0200	0.6269	0.3412	1.3520	
R	0.2172	0.2104	0.2241	0.4241	0.3729	0.5468	0.4429	0.5689	0.4459	0.0204	0.6308	0.3128	1.2576	
U	0.1364	0.1388	0.1342	0.8182	0.8101	0.3416	0.2349	0.0000	0.0000	0.0120	0.5000	0.4233	3.2571	
WGH	T	0.1949	0.1957	0.1941	0.5703	0.4412	0.4780	0.3234	0.3014	0.4542	0.0316	0.6022	0.2497	2.0922
	R	0.2012	0.2024	0.1999	0.5252	0.3893	0.4877	0.3457	0.3006	0.4540	0.0330	0.6052	0.2492	1.8930
	U	0.1456	0.1433	0.1482	0.8947	0.8244	0.4027	0.1483	0.6203	0.4973	0.0153	0.5278	0.2510	5.7431
	T	0.1540	0.1503	0.1579	0.6515	0.4557	0.5129	0.2675	0.5377	0.5198	0.0549	0.6244	0.1674	2.7378
	R	0.1596	0.1577	0.1615	0.6023	0.4030	0.5092	0.2961	0.5368	0.5208	0.0612	0.6276	0.1827	2.3778
	U	0.1241	0.1132	0.1372	0.8872	0.7492	0.5313	0.1039	1.7273	0.1053	0.0142	0.5357	0.1334	8.6230
	T	0.2272	0.2250	0.2296	0.4127	0.2907	0.4486	0.0934	0.8962	0.1842	0.0338	0.6022	0.1266	9.7084
	R	0.2282	0.2263	0.2301	0.4078	0.2868	0.4469	0.0934	0.8963	0.1842	0.0340	0.6036	0.1285	9.7116
	U	0.1247	0.1062	0.1547	0.7896	0.7702	0.6040	0.0971	0.0000	0.0000	0.0167	0.4000	0.0850	9.2963
	T	0.2014	0.2045	0.1983	0.6332	0.5271	0.4583	0.3739	0.2330	0.5130	0.0243	0.5739	0.3289	1.6749
	R	0.2091	0.2119	0.2061	0.5866	0.4675	0.4784	0.4092	0.2316	0.5127	0.0251	0.5767	0.3284	1.4440
	U	0.1555	0.1589	0.1522	0.9011	0.8548	0.3346	0.1665	0.5821	0.5399	0.0160	0.5280	0.3300	5.0074
	T	0.1429	0.0778	0.2706	0.9156	0.7419	0.7365	0.1412	0.2143	0.6667	0.0074	0.0000	0.0342	6.0833
	R	0.1797	0.1098	0.3043	0.8356	0.5625	0.7561	0.1957	0.2308	0.6667	0.0141	0.0000	0.0370	4.1111
	U	0.1048	0.0471	0.2308	0.9877	0.9333	0.7176	0.0769	0.0000	0.0000	0.0000	0.0000	0.0317	12.0000
	T	0.1762	0.1846	0.1669	0.5603	0.3954	0.4276	0.3383	0.3639	0.6134	0.0109	0.6667	0.1515	1.9563

	R	0.1771	0.1834	0.1700	0.5456	0.3706	0.4303	0.3509	0.3639	0.6134	0.0111	0.6667	0.1494	1.8502
	U	0.1552	0.2143	0.1000	0.9545	0.8889	0.3571	0.0667	0.0000	0.0000	0.0000	0.0000	0.1667	14.0000
	T	0.1310	0.1316	0.1304	0.8788	0.7250	0.5526	0.2174	0.3000	1.0000	0.0000	0.0000	0.0556	3.6000
	R	0.1591	0.1579	0.1600	0.8125	0.4762	0.4211	0.3200	0.2000	1.0000	0.0000	0.0000	0.0000	2.1250
	U	0.1000	0.1053	0.0952	0.9412	1.0000	0.6842	0.0952	0.0000	1.0000	0.0000	0.0000	0.0714	9.5000
	T	0.1995	0.2059	0.1933	0.2002	0.1052	0.5711	0.5460	0.1373	0.5535	0.0237	0.6504	0.4832	0.8315
	R	0.1996	0.2060	0.1933	0.2000	0.1050	0.5711	0.5459	0.1373	0.5535	0.0236	0.6509	0.4820	0.8317
	U	0.0000	0.0000	0.0000	0.7143	0.5714	0.5714	0.7143	0.0000	0.0000	0.2222	0.5000	0.8000	0.4000
	T	0.2047	0.2045	0.2050	0.2955	0.2063	0.5146	0.4471	0.3747	0.5583	0.0282	0.6500	0.2667	1.2367
	R	0.2046	0.2068	0.2025	0.2737	0.1821	0.5185	0.4665	0.3747	0.5583	0.0292	0.6500	0.2985	1.1437
	U	0.2073	0.1667	0.2500	0.6286	0.6667	0.4524	0.1000	0.0000	0.0000	0.0000	0.0000	0.1739	9.0000
EGH	T	0.2043	0.2037	0.2048	0.6615	0.5489	0.4797	0.4130	0.1787	0.4897	0.0286	0.7003	0.3149	1.4214
	R	0.2078	0.2072	0.2084	0.6296	0.5091	0.4874	0.4355	0.1581	0.4814	0.0277	0.7179	0.3385	1.2962
	U	0.1833	0.1832	0.1834	0.8450	0.7808	0.4344	0.2773	0.6897	0.5364	0.0355	0.5943	0.2773	2.6063
	T	0.1558	0.1505	0.1621	0.7666	0.5887	0.5671	0.4141	0.2974	0.5432	0.0521	0.8142	0.1590	1.4148
	R	0.1587	0.1540	0.1642	0.7114	0.5246	0.5694	0.4672	0.2132	0.5176	0.0502	0.8930	0.1411	1.1405
	U	0.1503	0.1442	0.1579	0.8668	0.7159	0.5629	0.3079	1.0205	0.5891	0.0563	0.6585	0.1726	2.2473
	T	0.1826	0.1731	0.1948	0.5734	0.4227	0.5960	0.3482	0.2579	0.5072	0.0273	0.2549	0.2330	1.8722
	R	0.1861	0.1721	0.2044	0.5831	0.4480	0.5991	0.3820	0.1824	0.5172	0.0324	0.2903	0.1736	1.6178
	U	0.1791	0.1742	0.1855	0.5638	0.3985	0.5930	0.3151	0.8793	0.4902	0.0219	0.2000	0.2605	2.1736
	T	0.2074	0.2076	0.2072	0.6713	0.5650	0.4684	0.4087	0.1767	0.4860	0.0276	0.6940	0.3429	1.4468
	R	0.2101	0.2100	0.2102	0.6424	0.5263	0.4788	0.4296	0.1588	0.4798	0.0272	0.7064	0.3606	1.3276
	U	0.1891	0.1911	0.1871	0.8626	0.8142	0.3974	0.2702	0.6355	0.5257	0.0316	0.5967	0.3084	2.7006
	T	0.1707	0.0833	0.2941	0.8182	0.8333	0.6667	0.3529	0.1667	0.0000	0.0455	1.0000	0.1429	1.8333
	R	0.0588	0.0000	0.1667	0.7273	0.6000	0.8182	0.6667	0.0000	0.0000	0.0000	0.0000	0.1429	0.5000
	U	0.2500	0.1538	0.3636	0.9091	1.0000	0.5385	0.1818	0.0000	0.0000	0.1111	1.0000	0.1429	4.5000
	T	0.1851	0.1782	0.1938	0.6807	0.5039	0.4950	0.4313	0.1680	0.3333	0.0178	0.3333	0.3500	1.3188
	R	0.1881	0.1771	0.2031	0.6528	0.4608	0.4857	0.4688	0.1271	0.2000	0.0207	0.3333	0.4444	1.1333
	U	0.1695	0.1852	0.1563	0.8636	0.6667	0.5556	0.2813	0.8571	0.6667	0.0000	0.0000	0.2727	2.5556
	T	0.1500	0.1111	0.2308	0.9167	0.7000	0.7778	0.4615	0.2500	1.0000	0.1852	0.4000	0.1176	1.1667
	R	0.2500	0.1429	0.4000	0.6667	0.3333	0.8571	0.4000	0.0000	0.0000	0.0000	0.0000	0.2500	1.5000
	U	0.1071	0.1000	0.1250	1.0000	0.8571	0.7500	0.5000	0.0000	1.0000	0.2632	0.4000	0.0769	1.0000
	T	0.2072	0.2100	0.2045	0.2756	0.1484	0.5500	0.5296	0.1035	0.4759	0.0136	0.6885	0.5355	0.8881
	R	0.2072	0.2095	0.2049	0.2728	0.1474	0.5502	0.5304	0.1000	0.4724	0.0133	0.6949	0.5550	0.8852
	U	0.2090	0.2632	0.1379	0.6071	0.2800	0.5263	0.4138	2.8000	0.5714	0.0625	0.5000	0.1818	1.4167
	T	0.2610	0.2535	0.2687	0.2493	0.1878	0.5822	0.5818	0.1680	0.4691	0.0172	0.8000	0.2222	0.7188
	R	0.2610	0.2535	0.2687	0.2493	0.1878	0.5822	0.5818	0.1680	0.4691	0.0172	0.8000	0.2222	0.7188
	U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
SGH	T	0.2111	0.2080	0.2143	0.6152	0.4802	0.5094	0.4361	0.2059	0.4959	0.0196	0.4424	0.2807	1.2931
	R	0.2144	0.2121	0.2169	0.5902	0.4489	0.5107	0.4532	0.2050	0.4973	0.0199	0.4582	0.2712	1.2066
	U	0.1751	0.1654	0.1861	0.8580	0.8155	0.4957	0.2458	0.5797	0.2750	0.0159	0.1731	0.3066	3.0675
	T	0.1314	0.0985	0.1863	0.8319	0.5953	0.7064	0.2274	0.6892	0.4777	0.0474	0.2705	0.0773	3.3976
	R	0.1316	0.0941	0.1986	0.7819	0.4533	0.7288	0.3023	0.6769	0.4773	0.0511	0.3298	0.0691	2.3084
	U	0.1308	0.1075	0.1654	0.9353	0.8265	0.6607	0.1004	0.0000	0.5000	0.0383	0.0714	0.0914	8.9559
	T	0.1612	0.1295	0.2059	0.5974	0.4165	0.7002	0.4834	0.2298	0.4109	0.0201	0.1765	0.1028	1.0686
	R	0.1697	0.1401	0.2088	0.6139	0.4061	0.6803	0.4905	0.2301	0.4109	0.0194	0.2000	0.1149	1.0385
	U	0.0430	0.0265	0.1143	0.4558	0.7097	0.8940	0.2571	0.0000	0.0000	0.0278	0.0000	0.0647	2.8889

	T	0.2168	0.2178	0.2158	0.6101	0.4870	0.4889	0.4419	0.2003	0.4994	0.0182	0.4811	0.3352	1.2630
	R	0.2189	0.2202	0.2177	0.5895	0.4598	0.4937	0.4552	0.1995	0.5011	0.0188	0.4846	0.3171	1.1970
	U	0.1900	0.1886	0.1914	0.8546	0.8149	0.4295	0.2761	0.5373	0.2500	0.0084	0.3500	0.3884	2.6221
	T	0.1143	0.1290	0.0000	0.8889	0.0000	0.8387	0.7500	0.2000	1.0000	0.0000	0.0000	0.0000	0.3333
	R	0.1333	0.1538	0.0000	0.9091	0.0000	0.8077	0.7500	0.2000	1.0000	0.0000	0.0000	0.0000	0.3333
	U	0.0000	0.0000	0.0000	0.8000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	T	0.2298	0.2078	0.2500	0.6066	0.4286	0.4286	0.3690	0.1707	0.2857	0.0313	0.5000	0.3571	1.7097
	R	0.2449	0.2192	0.2703	0.5965	0.3889	0.4384	0.3919	0.1750	0.2857	0.0328	0.5000	0.3333	1.5517
	U	0.0714	0.0000	0.1000	0.7500	0.6667	0.2500	0.2000	0.0000	0.0000	0.0000	0.0000	0.5000	4.0000
	T	0.0769	0.0000	0.2500	0.6667	1.0000	0.5556	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
	R	0.0769	0.0000	0.2500	0.6667	1.0000	0.5556	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	1.0000
	U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	T	0.2142	0.2150	0.2134	0.2052	0.1128	0.5307	0.4962	0.1920	0.5116	0.0089	0.4545	0.3313	1.0152
	R	0.2142	0.2150	0.2134	0.2052	0.1128	0.5307	0.4962	0.1920	0.5116	0.0089	0.4545	0.3313	1.0152
	U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	T	0.2333	0.2907	0.1809	0.5902	0.4675	0.5000	0.4362	0.0000	0.0000	0.0000	0.0000	0.3200	1.2927
	R	0.2326	0.2857	0.1818	0.5833	0.4444	0.5000	0.4659	0.0000	0.0000	0.0000	0.0000	0.3333	1.1463
	U	0.2500	0.5000	0.1667	1.0000	0.8000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
WKH	T	0.2342	0.2334	0.2350	0.6649	0.6365	0.4636	0.4076	0.3877	0.4731	0.0156	0.4676	0.3359	1.4534
	R	0.2352	0.2339	0.2366	0.6428	0.6115	0.4733	0.4250	0.3546	0.4731	0.0155	0.4918	0.3216	1.3530
	U	0.2266	0.2298	0.2234	0.8326	0.8206	0.3896	0.2773	1.9829	0.4727	0.0163	0.2340	0.3628	2.6058
	T	0.1758	0.1590	0.1973	0.6888	0.4304	0.5938	0.2680	0.7878	0.4449	0.0168	0.2791	0.1451	2.7319
	R	0.1773	0.1638	0.1943	0.6726	0.4155	0.5865	0.2728	0.7653	0.4370	0.0173	0.2927	0.1525	2.6651
	U	0.1538	0.0965	0.2500	0.8835	0.7059	0.6886	0.1838	0.0000	0.7143	0.0110	0.0000	0.0904	4.4400
	T	0.1565	0.0838	0.2842	0.7255	0.4853	0.7605	0.3579	0.8889	0.3750	0.0248	0.0000	0.1348	1.7941
	R	0.1848	0.1061	0.3165	0.7034	0.3519	0.7500	0.3291	0.8611	0.3871	0.0160	0.0000	0.0714	2.0385
	U	0.0392	0.0000	0.1250	0.8000	1.0000	0.8000	0.5000	0.0000	0.0000	0.0556	0.0000	0.2424	1.0000
	T	0.2359	0.2363	0.2355	0.6741	0.6480	0.4564	0.4073	0.3800	0.4770	0.0156	0.4754	0.3521	1.4552
	R	0.2369	0.2366	0.2372	0.6525	0.6236	0.4664	0.4251	0.3475	0.4775	0.0155	0.4997	0.3417	1.3524
	U	0.2284	0.2335	0.2232	0.8347	0.8241	0.3820	0.2764	1.9103	0.4735	0.0164	0.2444	0.3705	2.6182
	T	0.2609	0.2500	0.2857	0.8333	0.6000	0.5625	0.5714	0.0000	0.0000	0.0000	0.0000	0.0000	0.7500
	R	0.2381	0.2143	0.2857	0.8182	0.6000	0.6429	0.5714	0.0000	0.0000	0.0000	0.0000	0.0000	0.7500
	U	0.5000	0.5000	0.0000	1.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	T	0.3333	0.4286	0.2000	0.5625	0.4375	0.3214	0.4000	0.6250	0.6000	0.0000	0.0000	0.2500	1.5000
	R	0.3409	0.4231	0.2222	0.5333	0.3571	0.3077	0.4444	0.6250	0.6000	0.0000	0.0000	0.3333	1.2500
	U	0.2500	0.5000	0.0000	1.0000	1.0000	0.5000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	T	0.1473	0.1466	0.1481	0.2727	0.0870	0.6466	0.6389	0.0515	0.5714	0.0000	0.0000	0.0000	0.5652
	R	0.1473	0.1466	0.1481	0.2727	0.0870	0.6466	0.6389	0.0515	0.5714	0.0000	0.0000	0.0000	0.5652
	U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	T	0.2200	0.2024	0.2402	0.4042	0.4125	0.5724	0.4979	0.4820	0.4123	0.0129	0.3770	0.3567	1.0084
	R	0.2215	0.2048	0.2410	0.3724	0.3814	0.5806	0.5144	0.4281	0.4081	0.0132	0.3966	0.3415	0.9439
	U	0.2049	0.1776	0.2331	0.7249	0.6961	0.4866	0.3459	4.5789	0.4425	0.0089	0.0000	0.3821	1.8913
	T	0.2614	0.2519	0.2720	0.4221	0.3851	0.5602	0.3975	1.0377	0.3727	0.0287	0.5714	0.2381	1.5158
	R	0.2737	0.2640	0.2844	0.3913	0.3416	0.5560	0.4133	1.0476	0.3727	0.0259	0.6667	0.2727	1.4194
	U	0.0667	0.0625	0.0714	0.8000	0.9231	0.6250	0.1429	0.0000	0.0000	0.0833	0.0000	0.2000	6.0000
RBH	T	0.2207	0.2172	0.2243	0.6881	0.6243	0.5179	0.4062	0.3249	0.4705	0.0182	0.4883	0.3002	1.4618
	R	0.2216	0.2177	0.2257	0.6822	0.6171	0.5231	0.4160	0.3089	0.4757	0.0185	0.5006	0.2988	1.4039

U	0.2085	0.2114	0.2055	0.7682	0.7183	0.4463	0.2735	0.9451	0.4038	0.0134	0.1875	0.3113	2.6562
T	0.1588	0.1448	0.1770	0.7664	0.5669	0.5961	0.3234	0.3233	0.4031	0.0266	0.2892	0.1626	2.0919
R	0.1598	0.1451	0.1789	0.7690	0.5630	0.6042	0.3366	0.2997	0.4088	0.0271	0.2901	0.1652	1.9708
U	0.1465	0.1416	0.1530	0.7362	0.6136	0.5004	0.1594	1.8514	0.3431	0.0189	0.2667	0.1323	5.2733
T	0.1884	0.1540	0.2370	0.7577	0.6117	0.6175	0.1556	2.1667	0.3718	0.0575	0.0938	0.1022	5.4286
R	0.2005	0.1630	0.2527	0.7588	0.6040	0.6165	0.1577	1.8571	0.3538	0.0574	0.1111	0.1079	5.3425
U	0.1206	0.1066	0.1429	0.7523	0.6515	0.6230	0.1429	13.0000	0.4615	0.0575	0.0000	0.0735	6.0000
T	0.2331	0.2340	0.2323	0.6773	0.6439	0.4982	0.4192	0.3276	0.4800	0.0165	0.5585	0.3843	1.3855
R	0.2339	0.2342	0.2336	0.6693	0.6361	0.5036	0.4287	0.3129	0.4850	0.0167	0.5723	0.3844	1.3327
U	0.2225	0.2307	0.2145	0.7907	0.7479	0.4221	0.2893	0.8935	0.4124	0.0115	0.1905	0.3833	2.4567
T	0.1333	0.1023	0.1630	0.9241	0.8052	0.5455	0.1196	1.4000	0.4286	0.0000	0.0000	0.1277	7.3636
R	0.1369	0.0976	0.1744	0.9324	0.8169	0.5488	0.1163	1.2000	0.5000	0.0000	0.0000	0.1136	7.6000
U	0.0833	0.1667	0.0000	0.8000	0.6667	0.5000	0.1667	0.0000	0.0000	0.0000	0.0000	0.3333	5.0000
T	0.1788	0.1977	0.1538	0.8406	0.5818	0.4302	0.2154	0.8333	0.0000	0.1176	0.6667	0.2353	3.6429
R	0.1811	0.2027	0.1509	0.8305	0.5556	0.4324	0.2264	0.6667	0.0000	0.1364	0.6667	0.2143	3.4167
U	0.1667	0.1667	0.1667	0.9000	0.7000	0.4167	0.1667	0.0000	0.0000	0.0000	0.0000	0.3333	5.0000
T	0.1053	0.2000	0.0000	0.8750	0.5556	0.7000	0.4444	0.1667	1.0000	0.1818	0.0000	0.0000	1.2500
R	0.1053	0.2000	0.0000	0.8750	0.5556	0.7000	0.4444	0.1667	1.0000	0.1818	0.0000	0.0000	1.2500
U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T	0.2210	0.2138	0.2289	0.5131	0.4282	0.5589	0.4846	0.1991	0.4597	0.0141	0.6038	0.3792	1.0637
R	0.2199	0.2129	0.2276	0.5122	0.4224	0.5557	0.4844	0.1744	0.4705	0.0145	0.6275	0.3695	1.0643
U	0.2384	0.2282	0.2513	0.5269	0.5315	0.6058	0.4869	0.7355	0.4045	0.0084	0.0000	0.5185	1.0538
T	0.1810	0.1659	0.1982	0.6413	0.5423	0.5398	0.3376	1.4172	0.4112	0.0097	0.2000	0.1849	1.9620
R	0.1792	0.1633	0.1970	0.6534	0.5514	0.5533	0.3452	1.4172	0.4112	0.0097	0.2000	0.1849	1.8967
U	0.2593	0.2667	0.2500	0.0909	0.1111	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T	0.1743	0.1751	0.1734	0.7728	0.7484	0.4854	0.2892	0.5818	0.4251	0.0164	0.5096	0.3216	2.4580
R	0.2069	0.2073	0.2065	0.6678	0.6691	0.5056	0.3553	0.5768	0.4251	0.0167	0.6079	0.3497	1.8144
U	0.1293	0.1304	0.1281	0.9061	0.8470	0.4571	0.1988	1.6329	0.4218	0.0157	0.3196	0.3001	4.0307
T	0.1211	0.1110	0.1338	0.8728	0.7684	0.5692	0.1307	1.3571	0.3181	0.0181	0.3825	0.1394	6.6516
R	0.1613	0.1382	0.1946	0.7689	0.5668	0.6131	0.1730	1.3637	0.3211	0.0239	0.5062	0.1118	4.7803
U	0.1085	0.1018	0.1165	0.9066	0.8208	0.5542	0.1186	1.2254	0.2529	0.0160	0.3119	0.1472	7.4287
T	0.1228	0.0999	0.1575	0.8188	0.7665	0.6105	0.0910	1.7576	0.1724	0.0496	0.0867	0.0875	9.9831
R	0.1621	0.1376	0.2025	0.8404	0.6921	0.6346	0.1443	2.0000	0.1852	0.0233	0.6364	0.0895	5.9298
U	0.1181	0.0952	0.1524	0.8162	0.7744	0.6075	0.0850	0.6667	0.0000	0.0531	0.0541	0.0873	10.7584
T	0.1849	0.1933	0.1770	0.7749	0.7712	0.4424	0.3110	0.5831	0.4397	0.0141	0.5396	0.4066	2.2153
R	0.2101	0.2162	0.2042	0.6886	0.7047	0.4786	0.3528	0.5781	0.4391	0.0146	0.5984	0.3888	1.8344
U	0.1421	0.1524	0.1330	0.9179	0.8700	0.3775	0.2434	1.7688	0.4837	0.0131	0.3890	0.4221	3.1092
T	0.1175	0.1144	0.1215	0.8008	0.6237	0.5210	0.1694	1.1852	0.4375	0.0064	0.1667	0.1851	4.9022
R	0.1213	0.0959	0.1905	0.8714	0.6078	0.7907	0.2460	1.2308	0.4375	0.0000	0.0000	0.0408	3.0645
U	0.1166	0.1201	0.1125	0.7782	0.6256	0.4372	0.1594	0.0000	0.0000	0.0094	0.1667	0.2413	5.2745
T	0.1005	0.0933	0.1087	0.8997	0.8176	0.5125	0.1626	1.0000	0.3000	0.0098	0.7500	0.2109	5.1517
R	0.1149	0.0510	0.2115	0.9396	0.8293	0.7070	0.0962	1.0000	0.2500	0.0000	0.0000	0.0571	9.4000
U	0.0987	0.0994	0.0979	0.8937	0.8166	0.4843	0.1695	1.0000	0.5000	0.0115	0.7500	0.2346	4.8988
T	0.1181	0.1270	0.1086	0.9515	0.9615	0.6190	0.1143	0.0000	0.0000	0.0000	0.0000	0.1462	7.7500
R	0.0000	0.0000	0.0000	0.5385	0.5000	0.7692	0.5000	0.0000	0.0000	0.0000	0.0000	0.2000	1.0000
U	0.1239	0.1364	0.1111	0.9868	0.9737	0.6080	0.1053	0.0000	0.0000	0.0000	0.0000	0.1440	8.5000
T	0.2044	0.2053	0.2036	0.6164	0.6392	0.5117	0.3891	0.5045	0.4110	0.0191	0.6451	0.4064	1.5698

EKH

	R	0.2140	0.2125	0.2155	0.5713	0.6010	0.5298	0.4137	0.5014	0.4112	0.0198	0.6610	0.4037	1.4174
	U	0.1491	0.1600	0.1393	0.8797	0.8277	0.3986	0.2564	2.0606	0.3824	0.0133	0.4429	0.4159	2.9006
	T	0.2018	0.1912	0.2124	0.5272	0.5638	0.5013	0.3899	0.7059	0.4271	0.0148	0.6000	0.4342	1.5650
	R	0.2216	0.2069	0.2364	0.4378	0.4830	0.5402	0.4154	0.7059	0.4271	0.0158	0.5714	0.3955	1.4073
	U	0.1156	0.1188	0.1126	0.8989	0.8528	0.3218	0.2838	0.0000	0.0000	0.0078	1.0000	0.4882	2.5238
JH	T	0.2254	0.2255	0.2253	0.5008	0.5367	0.4795	0.3686	0.6071	0.5169	0.0209	0.5139	0.3891	1.7126
	R	0.2305	0.2298	0.2312	0.4615	0.5020	0.4901	0.3806	0.6072	0.5170	0.0218	0.5171	0.3808	1.6277
	U	0.1693	0.1766	0.1623	0.9136	0.8758	0.3600	0.2416	0.5484	0.2941	0.0076	0.3684	0.4123	3.1394
	T	0.1798	0.1506	0.2242	0.5835	0.4097	0.6441	0.2973	1.5714	0.3214	0.0273	0.1429	0.1150	2.3632
	R	0.1825	0.1544	0.2248	0.5574	0.3762	0.6444	0.3128	1.5741	0.3216	0.0295	0.1397	0.1117	2.1969
	U	0.1558	0.1162	0.2189	0.8086	0.7249	0.6414	0.1506	0.3333	0.0000	0.0051	0.3333	0.1285	5.6400
	T	0.1905	0.1528	0.2530	0.6918	0.6661	0.6413	0.3468	0.8439	0.3208	0.0329	0.1026	0.1655	1.8836
	R	0.2018	0.1646	0.2646	0.6591	0.6345	0.6576	0.3565	0.8439	0.3208	0.0370	0.1026	0.1327	1.8047
	U	0.1188	0.0726	0.1855	0.8916	0.8317	0.5307	0.2903	0.0000	0.0000	0.0000	0.0000	0.2748	2.4444
	T	0.2250	0.2277	0.2225	0.5409	0.5969	0.4688	0.3646	0.4930	0.5318	0.0205	0.5561	0.4274	1.7426
	R	0.2297	0.2313	0.2281	0.5072	0.5676	0.4802	0.3748	0.4928	0.5320	0.0213	0.5592	0.4192	1.6678
	U	0.1706	0.1833	0.1589	0.9270	0.8984	0.3300	0.2499	0.8667	0.3077	0.0065	0.3793	0.4528	3.0010
	T	0.1429	0.0909	0.3333	0.8667	0.3333	0.8788	0.3333	4.6667	0.2143	0.0313	0.0000	0.0000	2.0000
	R	0.1429	0.0909	0.3333	0.8667	0.3333	0.8788	0.3333	4.6667	0.2143	0.0313	0.0000	0.0000	2.0000
	U	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	T	0.1972	0.2097	0.1798	0.7041	0.7397	0.4677	0.2921	0.7241	0.3333	0.0357	0.3333	0.3226	2.4231
	R	0.2260	0.2381	0.2083	0.6500	0.6842	0.4381	0.2917	0.7241	0.3333	0.0299	0.5000	0.3333	2.4286
	U	0.0556	0.0526	0.0588	0.9444	0.9375	0.6316	0.2941	0.0000	0.0000	0.0588	0.0000	0.3125	2.4000
	T	0.2857	0.1875	0.4167	0.9231	0.7143	0.5625	0.4167	0.3333	0.0000	0.0000	0.0000	0.4000	1.4000
	R	0.4545	0.4000	0.5000	0.6667	0.3333	0.6000	0.3333	0.3333	0.0000	0.0000	0.0000	1.0000	2.0000
	U	0.1765	0.0909	0.3333	1.0000	1.0000	0.5455	0.5000	0.0000	0.0000	0.0000	0.0000	0.3333	1.0000
	T	0.2341	0.2370	0.2314	0.3849	0.4146	0.4673	0.3862	0.8000	0.5306	0.0202	0.5304	0.4273	1.5894
	R	0.2404	0.2425	0.2385	0.3287	0.3660	0.4789	0.4016	0.8005	0.5307	0.0208	0.5355	0.4339	1.4899
	U	0.1712	0.1814	0.1615	0.9121	0.8492	0.3498	0.2342	0.2308	0.3333	0.0103	0.3750	0.4150	3.2706
	T	0.1683	0.1791	0.1581	0.5394	0.5083	0.5672	0.4233	2.0784	0.4528	0.0488	0.7000	0.4737	1.3626
	R	0.1667	0.1726	0.1611	0.5337	0.4972	0.5736	0.4265	2.0784	0.4528	0.0493	0.7000	0.4722	1.3444
	U	0.2500	0.5000	0.0000	1.0000	1.0000	0.2500	0.2500	0.0000	0.0000	0.0000	0.0000	0.5000	3.0000

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