Supplementary Document: MCMC Summary

Within-Host Bayesian Modeling of Leishmania Progression considering Inflammatory and Regulatory Responses

Felix M. Pabon-Rodriguez, Grant D. Brown, Breanna M. Scorza, and Christine A. Petersen

Supplementary Table. Summary of MCMC results for all interpretable parameters in the model. Each column represents the following: (1) Posterior mean, (2) Posterior median, (3) Posterior standard deviation (SD), (4) Lower bound of 95% credible interval (Cr-I), (5) Upper bound of 95% Cr-I, (6) Posterior probability of parameter being positive, (7) Posterior probability of parameter being negative, and (8) Indicator for strength of evidence based on posterior probability. The symbol * in last column is used to indicate which parameter shows a posterior probability greater or equal than 0.65. The results in this table are separated by model components. Last part of the table summarizes parameters associated with the moving-average characteristic of the model.

Pathogen Load (P)

Parameter	Post.Mean	Post.Median	Post.SD	Lower95	Upper95	P.great.0	P.less.0	Evidence
betaP[1]	-0.0203	-0.0346	1.5227	-3.0553	3.0537	0.4900	0.5100	
betaP[2]	0.0074	0.0098	1.5749	-3.1134	3.1176	0.5024	0.4976	
betaP[3]	-0.0024	-0.0094	1.5721	-3.1290	3.1175	0.4978	0.5022	
betaP[4]	-0.0099	-0.0126	1.5699	-3.1421	3.1050	0.4966	0.5034	
betaP[5]	0.0026	0.0006	1.5755	-3.1159	3.1219	0.5002	0.4998	
betaP[6]	-0.0010	0.0050	1.5679	-3.1322	3.0930	0.5012	0.4988	
betaP[7]	0.0107	0.0149	1.5725	-3.1271	3.1145	0.5039	0.4961	
betaP[8]	0.0012	0.0035	1.5783	-3.1234	3.1450	0.5009	0.4991	
betaP[9]	0.2960	0.2966	0.0875	0.1228	0.4640	0.9994	0.0006	*
betaP[10]	0.1801	0.1791	0.1006	-0.0144	0.3790	0.9650	0.0350	*
betaP[11]	0.8391	0.7317	0.8941	-0.5932	2.8474	0.8250	0.1750	*
betaP[12]	4.0192	4.0014	0.5057	3.0751	5.0591	1.0000	0.0000	*
betaP[13]	3.8894	3.8739	0.5393	2.8781	5.0145	1.0000	0.0000	*
betaP[14]	2.5591	2.5458	1.1731	0.3019	4.9076	0.9857	0.0143	*
betaP[15]	-0.5882	-0.5847	0.4867	-1.5612	0.3460	0.1121	0.8879	*
betaP[16]	-0.6409	-0.6364	0.3180	-1.2743	-0.0246	0.0212	0.9788	*
betaP[17]	-0.2249	-0.2116	1.4717	-3.1357	2.6682	0.4392	0.5608	
betaP[18]	-0.4631	-0.4542	0.5044	-1.4803	0.5060	0.1776	0.8224	*
betaP[19]	-0.2026	-0.2044	0.2810	-0.7534	0.3561	0.2321	0.7679	*
betaP[20]	0.3088	0.3044	1.5544	-2.7568	3.4070	0.5803	0.4197	
betaP[21]	-0.4968	-0.4980	0.3253	-1.1361	0.1427	0.0631	0.9369	*
betaP[22]	-0.0260	-0.0251	0.2384	-0.4999	0.4373	0.4580	0.5420	
betaP[23]	-0.2006	-0.1905	1.5258	-3.2289	2.7662	0.4483	0.5517	
betaP[24]	-0.2919	-0.2863	0.3653	-1.0273	0.4135	0.2101	0.7899	*
betaP[25]	-0.3710	-0.3706	0.2577	-0.8774	0.1340	0.0747	0.9253	*
betaP[26]	-0.1250	-0.1133	1.4146	-2.9470	2.6347	0.4668	0.5332	

betaP[27]	1.9503	1.9349	0.5747	0.8726	3.1179	0.9999	0.0001	*
betaP[28]	0.2802	0.2808	0.4490	-0.6025	1.1590	0.7346	0.2654	*
betaP[29]	0.6228	0.6179	1.4894	-2.3477	3.5811	0.6676	0.3324	*
betaP[30]	0.7479	0.7426	0.3986	-0.0221	1.5411	0.9713	0.0287	*
betaP[31]	0.5071	0.5055	0.3120	-0.1003	1.1234	0.9483	0.0517	*
betaP[32]	0.1843	0.1824	1.5921	-2.9494	3.3406	0.5469	0.4531	
alphaP[1]	-1.8069	-1.8172	0.8079	-3.3626	-0.1937	0.0142	0.9858	*
alphaP[2]	-0.3212	-0.3196	0.6773	-1.6586	1.0094	0.3165	0.6835	*
alphaP[3]	0.0889	0.0881	0.5666	-1.0274	1.2010	0.5630	0.4370	
alphaP[4]	-0.1259	-0.1273	0.4941	-1.0878	0.8504	0.3989	0.6011	
alphaP[5]	0.4803	0.4868	0.7640	-1.0104	1.9807	0.7351	0.2649	*
alphaP[6]	-0.6908	-0.6881	0.4592	-1.6051	0.2071	0.0664	0.9336	*

Antibody Levels (A)

Parameter	Post.Mean	Post.Median	Post.SD	Lower95	Upper95	P.great.0	P.less.0	Evidence
betaA[1]	0.0020	0.0023	0.0826	-0.1634	0.1668	0.5120	0.4880	
betaA[2]	0.0007	0.0003	0.0835	-0.1653	0.1690	0.5021	0.4979	
betaA[3]	0.0009	0.0008	0.0836	-0.1654	0.1691	0.5042	0.4958	
betaA[4]	-0.0002	0.0000	0.0835	-0.1670	0.1651	0.4998	0.5002	
betaA[5]	-0.0002	-0.0003	0.0836	-0.1673	0.1654	0.4985	0.5015	
betaA[6]	0.0004	0.0001	0.0838	-0.1672	0.1692	0.5003	0.4997	
betaA[7]	-0.0005	-0.0005	0.0833	-0.1670	0.1644	0.4977	0.5023	
betaA[8]	-0.0003	-0.0001	0.0834	-0.1673	0.1666	0.4993	0.5007	
betaA[9]	0.1143	0.1139	0.0134	0.0894	0.1420	1.0000	0.0000	*
betaA[10]	0.1152	0.1150	0.0129	0.0904	0.1410	1.0000	0.0000	*
betaA[11]	0.1073	0.1053	0.0341	0.0455	0.1810	0.9994	0.0006	*
betaA[12]	0.0837	0.0827	0.0533	-0.0181	0.1906	0.9452	0.0548	*
betaA[13]	0.0846	0.0833	0.0555	-0.0205	0.1983	0.9412	0.0588	*
betaA[14]	0.0481	0.0456	0.0786	-0.1009	0.2122	0.7336	0.2664	*
betaA[15]	-0.0262	-0.0251	0.0500	-0.1279	0.0690	0.3043	0.6957	*
betaA[16]	0.0272	0.0274	0.0378	-0.0474	0.1012	0.7655	0.2345	*
betaA[17]	0.0034	0.0037	0.0773	-0.1512	0.1572	0.5194	0.4806	
betaA[18]	0.0137	0.0144	0.0488	-0.0836	0.1093	0.6157	0.3843	
betaA[19]	0.0131	0.0133	0.0314	-0.0487	0.0743	0.6632	0.3368	*
betaA[20]	0.0290	0.0269	0.0823	-0.1294	0.1981	0.6387	0.3613	
betaA[21]	0.0135	0.0135	0.0358	-0.0572	0.0837	0.6495	0.3505	
betaA[22]	0.0362	0.0363	0.0286	-0.0198	0.0925	0.8981	0.1019	*
betaA[23]	-0.0117	-0.0103	0.0797	-0.1742	0.1437	0.4434	0.5566	
betaA[24]	0.0227	0.0222	0.0426	-0.0596	0.1086	0.7019	0.2981	*
betaA[25]	-0.0006	-0.0006	0.0326	-0.0645	0.0637	0.4922	0.5078	
betaA[26]	0.0076	0.0087	0.0765	-0.1465	0.1589	0.5477	0.4523	
betaA[27]	0.0204	0.0193	0.0547	-0.0847	0.1317	0.6423	0.3577	
betaA[28]	0.0129	0.0124	0.0457	-0.0760	0.1047	0.6071	0.3929	
betaA[29]	0.0090	0.0082	0.0806	-0.1497	0.1708	0.5437	0.4563	
betaA[30]	-0.0651	-0.0647	0.0405	-0.1464	0.0129	0.0517	0.9483	*
betaA[31]	-0.0623	-0.0617	0.0376	-0.1373	0.0098	0.0453	0.9547	*
betaA[32]	0.0035	0.0035	0.0813	-0.1595	0.1643	0.5178	0.4822	
alphaA[1]	-0.6845	-0.6821	0.1798	-1.0427	-0.3431	0.0000	1.0000	*
alphaA[2]	-0.1590	-0.1571	0.1249	-0.4098	0.0791	0.0997	0.9003	*
alphaA[3]	-0.0369	-0.0363	0.1115	-0.2567	0.1808	0.3721	0.6279	
alphaA[4]	0.1323	0.1316	0.0645	0.0086	0.2615	0.9819	0.0181	*
alphaA[5]	0.6578	0.6541	0.1770	0.3213	1.0135	0.9999	0.0001	*
alphaA[6]	0.0940	0.0933	0.0608	-0.0240	0.2144	0.9398	0.0602	*

Disease Status (D)

Parameter	Post.Mean	Post.Median	Post.SD	Lower95	Upper95	P.great.0	P.less.0	Evidence
betaD1[1]	-0.0030	-0.0042	0.4927	-1.0097	0.9832	0.4957	0.5043	
betaD1[2]	0.0018	0.0000	0.4920	-0.9958	1.0040	0.5000	0.5000	
betaD1[3]	0.0014	0.0033	0.4925	-1.0020	0.9987	0.5026	0.4974	
betaD1[4]	-0.0033	-0.0018	0.4936	-1.0152	0.9964	0.4980	0.5020	
betaD1[5]	0.0033	0.0037	0.4935	-1.0005	1.0035	0.5040	0.4960	
betaD1[6]	0.0040	0.0003	0.4940	-1.0004	1.0016	0.5003	0.4997	
betaD1[7]	-0.0011	0.0012	0.4927	-1.0121	0.9924	0.5013	0.4987	
betaD1[8]	-0.0030	-0.0008	0.4955	-1.0122	0.9895	0.4994	0.5006	
betaD1[9]	-0.3114	-0.2920	0.1600	-0.7092	-0.0520	0.0087	0.9913	*
betaD1[10]	-0.5029	-0.4762	0.1857	-0.9466	-0.2103	0.0000	1.0000	*
betaD1[11]	-0.4834	-0.4403	0.3337	-1.2598	0.0440	0.0394	0.9606	*
betaD1[12]	-0.3416	-0.3050	0.3972	-1.2175	0.3613	0.1870	0.8130	*
betaD1[13]	0.1263	0.1153	0.3786	-0.5914	0.9116	0.6282	0.3718	
betaD1[14]	-0.0980	-0.0936	0.4791	-1.0806	0.8600	0.4100	0.5900	
betaD1[15]	-0.5789	-0.5493	0.3740	-1.3820	0.0742	0.0443	0.9557	*
betaD1[16]	-0.0286	-0.0298	0.2759	-0.5718	0.5177	0.4558	0.5442	
betaD1[17]	0.0234	0.0143	0.4786	-0.9092	1.0375	0.5129	0.4871	
betaD1[18]	0.5950	0.5671	0.3788	-0.0594	1.4203	0.9601	0.0399	*
betaD1[19]	0.0578	0.0544	0.2747	-0.4772	0.6165	0.5849	0.4151	
betaD1[20]	-0.0675	-0.0578	0.4906	-1.0806	0.8971	0.4440	0.5560	
betaD1[21]	-0.2745	-0.2619	0.2695	-0.8410	0.2194	0.1479	0.8521	*
betaD1[22]	-0.0308	-0.0302	0.2500	-0.5367	0.4686	0.4478	0.5522	
betaD1[23]	0.0494	0.0378	0.4812	-0.8904	1.0498	0.5351	0.4649	
betaD1[24]	-0.2449	-0.2400	0.2740	-0.7975	0.2876	0.1803	0.8197	*
betaD1[25]	0.4167	0.4136	0.2693	-0.1085	0.9577	0.9431	0.0569	*
betaD1[26]	-0.0191	-0.0244	0.4665	-0.9394	0.9529	0.4759	0.5241	
betaD1[27]	-0.1173	-0.0973	0.3564	-0.8744	0.5337	0.3834	0.6166	
betaD1[28]	-0.2416	-0.2256	0.3330	-0.9435	0.3791	0.2297	0.7703	*
betaD1[29]	-0.0707	-0.0574	0.4863	-1.0965	0.8778	0.4457	0.5543	
betaD1[30]	0.1002	0.0998	0.2814	-0.4651	0.6555	0.6457	0.3543	
betaD1[31]	0.0074	0.0138	0.2918	-0.5946	0.5664	0.5200	0.4800	
betaD1[32]	-0.0425	-0.0348	0.4901	-1.0561	0.9289	0.4671	0.5329	
betaD2[1]	-0.0033	-0.0014	0.2889	-0.6143	0.6060	0.4967	0.5033	
betaD2[2]	-0.0004	0.0011	0.2897	-0.6088	0.6135	0.5030	0.4970	
betaD2[3]	-0.0038	-0.0021	0.2940	-0.6194	0.6030	0.4951	0.5049	
betaD2[4]	0.0000	0.0005	0.2946	-0.6244	0.6144	0.5012	0.4988	
betaD2[5]	-0.0017	0.0007	0.2931	-0.6147	0.6006	0.5012	0.4988	
betaD2[6]	-0.0006	-0.0001	0.2921	-0.6191	0.6155	0.4998	0.5002	
betaD2[7]	-0.0013	-0.0013	0.2919	-0.6150	0.6088	0.4975	0.5025	
betaD2[8]	0.0040	0.0001	0.2946	-0.5959	0.6375	0.5001	0.4999	
betaD2[9]	-0.0623	-0.0405	0.1473	-0.4332	0.1654	0.3552	0.6448	
betaD2[10]	-0.1520	-0.1267	0.1544	-0.5166	0.0858	0.1362	0.8638	*
betaD2[11]	0.1485	0.1043	0.2728	-0.2866	0.8151	0.7193	0.2807	*
betaD2[12]	-0.1983	-0.1474	0.2699	-0.8573	0.2054	0.2206	0.7794	*
betaD2[13]	-0.2416	-0.1785	0.2934	-0.9621	0.1669	0.1779	0.8221	*
betaD2[14]	-0.0091	-0.0012	0.2834	-0.6279	0.5613	0.4979	0.5021	

betaD2[15]	0.0692	0.0459	0.2529	-0.4060	0.6426	0.6022	0.3978	
betaD2[16]	0.0224	0.0112	0.2134	-0.3920	0.4963	0.5272	0.4728	
betaD2[17]	0.0577	0.0378	0.2889	-0.4976	0.7075	0.5792	0.4208	
betaD2[18]	-0.1814	-0.1375	0.2639	-0.8190	0.2407	0.2331	0.7669	*
betaD2[19]	-0.0109	-0.0081	0.2111	-0.4529	0.4168	0.4789	0.5211	
betaD2[20]	-0.0175	-0.0123	0.2897	-0.6349	0.5817	0.4732	0.5268	
betaD2[21]	0.0224	0.0116	0.2105	-0.3875	0.4896	0.5293	0.4707	
betaD2[22]	-0.0151	-0.0116	0.2073	-0.4527	0.4065	0.4719	0.5281	
betaD2[23]	0.0524	0.0324	0.2946	-0.5205	0.7228	0.5700	0.4300	
betaD2[24]	-0.0252	-0.0162	0.2233	-0.5090	0.4158	0.4598	0.5402	
betaD2[25]	-0.1163	-0.0914	0.2204	-0.6211	0.2823	0.2939	0.7061	*
betaD2[26]	0.0779	0.0515	0.2886	-0.4691	0.7407	0.6109	0.3891	
betaD2[27]	-0.0215	-0.0199	0.2404	-0.5218	0.4790	0.4544	0.5456	
betaD2[28]	-0.0162	-0.0111	0.2315	-0.5136	0.4568	0.4740	0.5260	
betaD2[29]	-0.0391	-0.0256	0.2911	-0.6798	0.5329	0.4464	0.5536	
betaD2[30]	-0.1352	-0.0992	0.2417	-0.7127	0.2766	0.2859	0.7141	*
betaD2[31]	-0.1266	-0.0941	0.2357	-0.6780	0.2739	0.2940	0.7060	*
betaD2[32]	-0.0288	-0.0191	0.2906	-0.6702	0.5522	0.4590	0.5410	
betaD3[1]	0.0012	-0.0006	0.5041	-1.0466	1.0686	0.4993	0.5007	
betaD3[2]	-0.0019	0.0009	0.5096	-1.0698	1.0547	0.5010	0.4990	
betaD3[3]	0.0003	-0.0004	0.5083	-1.0565	1.0628	0.4996	0.5004	
betaD3[4]	0.0028	0.0009	0.5055	-1.0610	1.0557	0.5012	0.4988	
betaD3[5]	-0.0001	0.0039	0.5067	-1.0661	1.0477	0.5051	0.4949	
betaD3[6]	-0.0026	0.0004	0.5081	-1.0710	1.0730	0.5006	0.4994	
betaD3[7]	0.0003	0.0009	0.5073	-1.0552	1.0568	0.5014	0.4986	
betaD3[8]	-0.0035	-0.0016	0.5041	-1.0621	1.0518	0.4978	0.5022	
betaD3[9]	-0.2730	-0.2447	0.1976	-0.7316	0.0337	0.0462	0.9538	*
betaD3[10]	0.0746	0.0641	0.2177	-0.3435	0.5353	0.6344	0.3656	
betaD3[11]	-0.0353	-0.0460	0.3320	-0.6815	0.6903	0.4285	0.5715	
betaD3[12]	0.3732	0.2872	0.4651	-0.3062	1.4935	0.8145	0.1855	*
betaD3[13]	0.2495	0.1772	0.4523	-0.4541	1.3318	0.7150	0.2850	*
betaD3[14]	0.0535	0.0271	0.4693	-0.8450	1.1139	0.5340	0.4660	
betaD3[15]	0.3158	0.2265	0.4945	-0.4376	1.5186	0.7477	0.2523	*
betaD3[16]	-0.2495	-0.1980	0.3934	-1.1639	0.4116	0.2588	0.7412	*
betaD3[17]	-0.2149	-0.1515	0.5040	-1.3836	0.6661	0.3285	0.6715	*
betaD3[18]	-0.0579	-0.0286	0.3999	-0.9694	0.6803	0.4607	0.5393	
betaD3[19]	-0.1050	-0.0822	0.3400	-0.8601	0.5422	0.3844	0.6156	
betaD3[20]	0.1185	0.0736	0.5090	-0.8242	1.2814	0.5920	0.4080	
betaD3[21]	0.1183	0.0855	0.3460	-0.5042	0.8924	0.6241	0.3759	
betaD3[22]	-0.0861	-0.0675	0.3369	-0.8089	0.5636	0.4023	0.5977	
betaD3[23]	-0.2121	-0.1474	0.5045	-1.4015	0.6642	0.3303	0.6697	*
betaD3[24]	0.1935	0.1412	0.4018	-0.4990	1.1168	0.6816	0.3184	*
betaD3[25]	-0.2799	-0.2451	0.3539	-1.0577	0.3510	0.2011	0.7989	*
betaD3[26]	-0.2437	-0.1748	0.5013	-1.4107	0.6161	0.2996	0.7004	*
betaD3[27]	0.1529	0.1147	0.4221	-0.6368	1.1096	0.6460	0.3540	
betaD3[28]	0.3325	0.2742	0.4236	-0.3706	1.3281	0.8030	0.1970	*
betaD3[29]	0.1924	0.1280	0.5174	-0.7119	1.3963	0.6472	0.3528	
betaD3[30]	0.2427	0.1830	0.4099	-0.4385	1.2061	0.7260	0.2740	*
betaD3[31]	0.3183	0.2441	0.4427	-0.3743	1.3643	0.7754	0.2246	*
betaD3[32]	0.1037	0.0691	0.5068	-0.8651	1.2389	0.5781	0.4219	

alphaD1[1]	-0.2346	-0.2264	0.7863	-1.8104	1.2909	0.3875	0.6125	
alphaD1[2]	-0.4404	-0.4307	0.7310	-1.8866	0.9857	0.2761	0.7239	*
alphaD1[3]	-0.0800	-0.0741	0.6909	-1.4545	1.2651	0.4551	0.5449	
alphaD1[4]	-0.0597	-0.0576	0.6284	-1.2906	1.1649	0.4636	0.5364	
alphaD1[5]	0.4771	0.4742	0.8209	-1.1288	2.0833	0.7190	0.2810	*
alphaD1[6]	0.7975	0.7946	0.6253	-0.4139	2.0203	0.8988	0.1012	*
alphaD2[1]	2.4339	2.4403	0.7039	1.0550	3.8163	0.9998	0.0002	*
alphaD2[2]	0.8558	0.8556	0.6814	-0.4663	2.2026	0.8935	0.1065	*
alphaD2[3]	0.5443	0.5433	0.6422	-0.7082	1.8095	0.7999	0.2001	*
alphaD2[4]	0.5467	0.5473	0.6054	-0.6435	1.7369	0.8169	0.1831	*
alphaD2[5]	0.3045	0.3031	0.7963	-1.2459	1.8806	0.6481	0.3519	
alphaD2[6]	0.7593	0.7506	0.6119	-0.4095	1.9723	0.8935	0.1065	*
alphaD3[1]	0.0920	0.1026	0.8162	-1.5379	1.6721	0.5487	0.4513	
alphaD3[2]	0.3767	0.3777	0.8110	-1.2084	1.9828	0.6795	0.3205	*
alphaD3[3]	0.6373	0.6410	0.7702	-0.8830	2.1307	0.7942	0.2058	*
alphaD3[4]	0.3920	0.3949	0.7437	-1.0747	1.8405	0.7021	0.2979	*
alphaD3[5]	-0.3465	-0.3450	0.9090	-2.1343	1.4252	0.3541	0.6459	
alphaD3[6]	-0.7321	-0.7252	0.7794	-2.2794	0.7779	0.1721	0.8279	*

Inflammatory Responses (I1, I2, I3)

Parameter	Post.Mean	Post.Median	Post.SD	Lower95	Upper95	P.great.0	P.less.0	Evidence
betaI1[1]	-0.0010	0.0003	0.1542	-0.3143	0.3078	0.5006	0.4994	
betaI1[2]	0.0008	0.0009	0.1593	-0.3203	0.3217	0.5031	0.4969	
betaI1[3]	0.0009	0.0015	0.1564	-0.3166	0.3147	0.5051	0.4949	
betaI1[4]	0.0003	0.0002	0.1564	-0.3158	0.3124	0.5005	0.4995	
betaI1[5]	0.0006	0.0005	0.1562	-0.3139	0.3159	0.5017	0.4983	
betaI1[6]	-0.0009	-0.0009	0.1565	-0.3211	0.3166	0.4976	0.5024	
betaI1[7]	0.0007	-0.0005	0.1569	-0.3153	0.3232	0.4984	0.5016	
betaI1[8]	0.0006	0.0007	0.1563	-0.3158	0.3157	0.5019	0.4981	
betaI1[9]	-0.0045	-0.0047	0.0183	-0.0397	0.0316	0.3993	0.6007	
betaI1[10]	-0.0087	-0.0085	0.0196	-0.0480	0.0296	0.3248	0.6752	*
betaI1[11]	-0.0535	-0.0512	0.0647	-0.1868	0.0677	0.1993	0.8007	*
betaI1[12]	0.0714	0.0710	0.0751	-0.0764	0.2195	0.8316	0.1684	*
betaI1[13]	0.0350	0.0341	0.0762	-0.1141	0.1885	0.6752	0.3248	*
betaI1[14]	0.0676	0.0622	0.1294	-0.1772	0.3372	0.7005	0.2995	*
betaI1[15]	0.1021	0.1001	0.1017	-0.0906	0.3084	0.8443	0.1557	*
betaI1[16]	0.0999	0.0975	0.0851	-0.0591	0.2753	0.8849	0.1151	*
betaI1[17]	0.0990	0.0891	0.1473	-0.1728	0.4142	0.7547	0.2453	*
betaI1[18]	-0.0180	-0.0165	0.0953	-0.2147	0.1670	0.4265	0.5735	
betaI1[19]	-0.1527	-0.1486	0.0960	-0.3546	0.0220	0.0457	0.9543	*
betaI1[20]	0.0072	0.0049	0.1499	-0.2901	0.3144	0.5145	0.4855	
betaI1[21]	-0.1894	-0.1878	0.0857	-0.3608	-0.0252	0.0114	0.9886	*
betaI1[22]	-0.1035	-0.1031	0.0841	-0.2703	0.0594	0.1052	0.8948	*
betaI1[23]	0.0349	0.0325	0.1473	-0.2544	0.3364	0.5975	0.4025	
betaI1[24]	-0.1629	-0.1599	0.0961	-0.3591	0.0194	0.0399	0.9601	*
betaI1[25]	-0.1303	-0.1289	0.0798	-0.2965	0.0212	0.0480	0.9520	*
betaI1[26]	0.0146	0.0148	0.1450	-0.2774	0.3053	0.5451	0.4549	
betaI1[27]	-0.0831	-0.0815	0.1063	-0.2997	0.1229	0.2113	0.7887	*
betaI1[28]	0.0238	0.0204	0.1073	-0.1842	0.2449	0.5784	0.4216	
betaI1[29]	-0.0527	-0.0478	0.1479	-0.3603	0.2333	0.3595	0.6405	
betaI1[30]	-0.1573	-0.1571	0.0714	-0.2984	-0.0190	0.0123	0.9877	*
betaI1[31]	-0.1793	-0.1779	0.0739	-0.3279	-0.0383	0.0058	0.9942	*
betaI1[32]	-0.0680	-0.0607	0.1529	-0.3957	0.2194	0.3264	0.6736	*
betaI2[1]	-0.0006	-0.0007	0.1244	-0.2568	0.2599	0.4965	0.5035	
betaI2[2]	0.0005	-0.0001	0.1256	-0.2548	0.2612	0.4996	0.5004	
betaI2[3]	0.0006	0.0002	0.1265	-0.2616	0.2654	0.5010	0.4990	
betaI2[4]	0.0004	-0.0002	0.1249	-0.2597	0.2620	0.4994	0.5006	
betaI2[5]	-0.0006	-0.0008	0.1261	-0.2600	0.2585	0.4968	0.5032	
betaI2[6]	-0.0009	-0.0008	0.1252	-0.2608	0.2585	0.4969	0.5031	
betaI2[7]	-0.0002	-0.0008	0.1253	-0.2566	0.2621	0.4971	0.5029	
betaI2[8]	-0.0008	-0.0011	0.1256	-0.2593	0.2600	0.4962	0.5038	
betaI2[9]	0.0200	0.0200	0.0229	-0.0246	0.0648	0.8112	0.1888	*
betaI2[10]	0.0166	0.0165	0.0243	-0.0309	0.0636	0.7567	0.2433	*
betaI2[11]	-0.0096	-0.0096	0.0637	-0.1384	0.1195	0.4337	0.5663	
betaI2[12]	0.0358	0.0305	0.0828	-0.1198	0.2140	0.6632	0.3368	*
betaI2[13]	0.0215	0.0201	0.0843	-0.1503	0.1923	0.6103	0.3897	
betaI2[14]	0.0167	0.0117	0.1132	-0.2050	0.2608	0.5519	0.4481	

betaI2[15]	-0.1161	-0.1057	0.1059	-0.3510	0.0616	0.1149	0.8851	*
betaI2[16]	0.1534	0.1452	0.1050	-0.0197	0.3851	0.9497	0.0503	*
betaI2[17]	-0.0150	-0.0109	0.1204	-0.2724	0.2288	0.4512	0.5488	
betaI2[18]	0.0600	0.0493	0.0970	-0.1091	0.2822	0.7284	0.2716	*
betaI2[19]	-0.0936	-0.0868	0.0910	-0.2878	0.0645	0.1445	0.8555	*
betaI2[20]	0.0036	0.0028	0.1231	-0.2474	0.2598	0.5119	0.4881	
betaI2[21]	-0.0998	-0.0903	0.0922	-0.3081	0.0526	0.1218	0.8782	*
betaI2[22]	-0.0109	-0.0081	0.0753	-0.1699	0.1329	0.4510	0.5490	
betaI2[23]	-0.0180	-0.0127	0.1241	-0.2859	0.2268	0.4472	0.5528	
betaI2[24]	-0.0054	-0.0069	0.0876	-0.1767	0.1773	0.4638	0.5362	
betaI2[25]	-0.0641	-0.0608	0.0746	-0.2177	0.0757	0.1927	0.8073	*
betaI2[26]	-0.0192	-0.0143	0.1191	-0.2744	0.2172	0.4370	0.5630	
betaI2[27]	-0.1298	-0.1159	0.1128	-0.3827	0.0509	0.1015	0.8985	*
betaI2[28]	0.0886	0.0790	0.1000	-0.0846	0.3072	0.8254	0.1746	*
betaI2[29]	0.0202	0.0150	0.1224	-0.2216	0.2809	0.5648	0.4352	
betaI2[30]	0.0020	0.0011	0.0680	-0.1327	0.1398	0.5071	0.4929	
betaI2[31]	0.0470	0.0437	0.0741	-0.0956	0.2011	0.7458	0.2542	*
betaI2[32]	0.0113	0.0094	0.1241	-0.2404	0.2735	0.5426	0.4574	
betaI3[1]	-0.0031	-0.0024	0.1655	-0.3403	0.3300	0.4928	0.5072	
betaI3[2]	0.0002	0.0005	0.1633	-0.3362	0.3310	0.5014	0.4986	
betaI3[3]	-0.0007	-0.0014	0.1636	-0.3319	0.3307	0.4952	0.5048	
betaI3[4]	0.0011	0.0000	0.1647	-0.3316	0.3389	0.5001	0.4999	
betaI3[5]	-0.0004	-0.0008	0.1640	-0.3341	0.3352	0.4974	0.5026	
betaI3[6]	-0.0015	0.0003	0.1662	-0.3435	0.3295	0.5009	0.4991	
betaI3[7]	0.0003	0.0010	0.1643	-0.3319	0.3332	0.5027	0.4973	
betaI3[8]	-0.0016	-0.0014	0.1658	-0.3398	0.3361	0.4966	0.5034	
betaI3[9]	0.0075	0.0077	0.0266	-0.0466	0.0595	0.6220	0.3780	
betaI3[10]	0.0628	0.0628	0.0271	0.0090	0.1164	0.9895	0.0105	*
betaI3[11]	0.0338	0.0346	0.0832	-0.1335	0.1973	0.6681	0.3319	*
betaI3[12]	0.0939	0.0878	0.1033	-0.0917	0.3190	0.8226	0.1774	*
betaI3[13]	-0.0071	-0.0096	0.1017	-0.2042	0.2033	0.4600	0.5400	
betaI3[14]	0.0388	0.0342	0.1462	-0.2416	0.3467	0.6027	0.3973	
betaI3[15]	0.0201	0.0158	0.1171	-0.2036	0.2657	0.5591	0.4409	
betaI3[16]	0.0876	0.0838	0.1139	-0.1297	0.3181	0.7826	0.2174	*
betaI3[17]	0.0586	0.0510	0.1585	-0.2390	0.4017	0.6450	0.3550	
betaI3[18]	-0.0057	-0.0049	0.1150	-0.2358	0.2237	0.4812	0.5188	
betaI3[19]	-0.0322	-0.0333	0.1081	-0.2430	0.1870	0.3734	0.6266	
betaI3[20]	-0.0163	-0.0131	0.1605	-0.3523	0.3018	0.4616	0.5384	
betaI3[21]	-0.0228	-0.0224	0.0999	-0.2232	0.1759	0.4076	0.5924	
betaI3[22]	-0.0575	-0.0570	0.1002	-0.2587	0.1440	0.2744	0.7256	*
betaI3[23]	0.0506	0.0432	0.1605	-0.2562	0.3919	0.6236	0.3764	
betaI3[24]	-0.1472	-0.1375	0.1254	-0.4156	0.0693	0.1113	0.8887	*
betaI3[25]	-0.3264	-0.3244	0.1095	-0.5443	-0.1167	0.0004	0.9996	*
betaI3[26]	0.0429	0.0376	0.1564	-0.2641	0.3694	0.6116	0.3884	
betaI3[27]	0.1076	0.0953	0.1318	-0.1230	0.4044	0.7983	0.2017	*
betaI3[28]	0.1031	0.0937	0.1271	-0.1232	0.3795	0.7991	0.2009	*
betaI3[29]	-0.0272	-0.0233	0.1605	-0.3600	0.2873	0.4332	0.5668	
betaI3[30]	0.0239	0.0249	0.0839	-0.1468	0.1884	0.6239	0.3761	
betaI3[31]	-0.0759	-0.0725	0.0915	-0.2654	0.0945	0.2006	0.7994	*
betaI3[32]	-0.0265	-0.0222	0.1596	-0.3614	0.2874	0.4354	0.5646	

alphaI1[1]	-1.6289	-1.6195	0.3408	-2.3398	-0.9839	0.0000	1.0000	*
alphaI1[2]	-0.5844	-0.5915	0.2794	-1.1148	-0.0115	0.0228	0.9772	*
alphaI1[3]	-0.4186	-0.4282	0.2543	-0.8968	0.1057	0.0587	0.9413	*
alphaI1[4]	-0.1276	-0.1264	0.1526	-0.4326	0.1697	0.1989	0.8011	*
alphaI1[5]	-0.6577	-0.6570	0.3480	-1.3474	0.0204	0.0287	0.9713	*
alphaI1[6]	0.0674	0.0680	0.1490	-0.2247	0.3588	0.6774	0.3226	*
alphaI2[1]	-0.1621	-0.1745	0.4197	-0.9726	0.6725	0.3482	0.6518	*
alphaI2[2]	-0.1421	-0.1403	0.3598	-0.8596	0.5549	0.3464	0.6536	*
alphaI2[3]	-0.0145	-0.0140	0.3332	-0.6706	0.6392	0.4825	0.5175	
alphaI2[4]	-0.4665	-0.4609	0.2117	-0.8917	-0.0644	0.0113	0.9887	*
alphaI2[5]	-0.2849	-0.2879	0.4686	-1.1968	0.6430	0.2671	0.7329	*
alphaI2[6]	-0.0054	-0.0041	0.2033	-0.4087	0.3924	0.4925	0.5075	
alphaI3[1]	-0.8665	-0.8536	0.5063	-1.8871	0.0974	0.0393	0.9607	*
alphaI3[2]	-0.7671	-0.7648	0.4106	-1.5662	0.0352	0.0292	0.9708	*
alphaI3[3]	-0.5505	-0.5569	0.3766	-1.2765	0.1920	0.0744	0.9256	*
alphaI3[4]	-0.1088	-0.1088	0.2557	-0.6140	0.3877	0.3376	0.6624	*
alphaI3[5]	-0.2843	-0.2896	0.5371	-1.3307	0.7817	0.2950	0.7050	*
alphaI3[6]	-0.4944	-0.4930	0.2467	-0.9866	-0.0190	0.0210	0.9790	*

Regulatory Responses (R1, R2, R3)

Parameter	Post.Mean	Post.Median	Post.SD	Lower95	Upper95	P.great.0	P.less.0	Evidence
betaR1[1]	-0.0001	0.0002	0.0649	-0.1404	0.1363	0.5035	0.4965	
betaR1[2]	0.0004	0.0002	0.0654	-0.1389	0.1415	0.5036	0.4964	
betaR1[3]	-0.0006	0.0000	0.0640	-0.1416	0.1347	0.5003	0.4997	
betaR1[4]	0.0001	-0.0002	0.0652	-0.1420	0.1397	0.4969	0.5031	
betaR1[5]	0.0000	0.0004	0.0644	-0.1399	0.1388	0.5054	0.4946	
betaR1[6]	0.0002	0.0005	0.0646	-0.1395	0.1370	0.5066	0.4934	
betaR1[7]	0.0009	0.0003	0.0649	-0.1345	0.1421	0.5031	0.4969	
betaR1[8]	0.0000	-0.0001	0.0648	-0.1414	0.1396	0.4977	0.5023	
betaR1[9]	0.0044	0.0033	0.0199	-0.0339	0.0465	0.5852	0.4148	
betaR1[10]	-0.0041	-0.0039	0.0191	-0.0433	0.0346	0.4030	0.5970	
betaR1[11]	0.0411	0.0298	0.0503	-0.0298	0.1659	0.8170	0.1830	*
betaR1[12]	-0.0149	-0.0066	0.0545	-0.1471	0.0837	0.4065	0.5935	
betaR1[13]	0.0148	0.0063	0.0544	-0.0846	0.1464	0.5866	0.4134	
betaR1[14]	-0.0007	0.0011	0.0614	-0.1413	0.1234	0.5155	0.4845	
betaR1[15]	-0.0216	-0.0094	0.0611	-0.1747	0.0793	0.3754	0.6246	
betaR1[16]	-0.0008	-0.0009	0.0545	-0.1161	0.1163	0.4865	0.5135	
betaR1[17]	-0.0023	-0.0002	0.0619	-0.1427	0.1254	0.4969	0.5031	
betaR1[18]	-0.0063	-0.0034	0.0541	-0.1274	0.1069	0.4504	0.5496	
betaR1[19]	-0.0086	-0.0038	0.0535	-0.1335	0.0950	0.4438	0.5562	
betaR1[20]	0.0040	0.0017	0.0635	-0.1265	0.1464	0.5239	0.4761	
betaR1[21]	-0.0206	-0.0103	0.0541	-0.1544	0.0687	0.3576	0.6424	
betaR1[22]	-0.0111	-0.0054	0.0501	-0.1281	0.0837	0.4196	0.5804	
betaR1[23]	-0.0008	-0.0002	0.0638	-0.1383	0.1326	0.4973	0.5027	
betaR1[24]	0.0651	0.0375	0.0858	-0.0305	0.2999	0.8201	0.1799	*
betaR1[25]	0.0104	0.0026	0.0543	-0.0854	0.1462	0.5386	0.4614	
betaR1[26]	0.0067	0.0032	0.0631	-0.1237	0.1472	0.5468	0.4532	
betaR1[27]	-0.0024	-0.0007	0.0561	-0.1277	0.1140	0.4912	0.5088	
betaR1[28]	0.0092	0.0041	0.0557	-0.1000	0.1390	0.5597	0.4403	
betaR1[29]	0.0030	0.0010	0.0637	-0.1298	0.1438	0.5146	0.4854	
betaR1[30]	0.0321	0.0191	0.0545	-0.0511	0.1686	0.7223	0.2777	*
betaR1[31]	0.0051	0.0022	0.0495	-0.0951	0.1176	0.5332	0.4668	
betaR1[32]	0.0061	0.0018	0.0655	-0.1230	0.1555	0.5257	0.4743	
betaR2[1]	0.0017	0.0019	0.1719	-0.3447	0.3464	0.5051	0.4949	
betaR2[2]	0.0012	0.0014	0.1732	-0.3464	0.3538	0.5036	0.4964	
betaR2[3]	0.0009	0.0018	0.1729	-0.3498	0.3475	0.5046	0.4954	
betaR2[4]	-0.0011	0.0008	0.1719	-0.3520	0.3426	0.5015	0.4985	
betaR2[5]	0.0007	0.0000	0.1728	-0.3467	0.3485	0.5001	0.4999	
betaR2[6]	-0.0004	-0.0002	0.1725	-0.3452	0.3478	0.4994	0.5006	
betaR2[7]	-0.0008	-0.0022	0.1738	-0.3513	0.3500	0.4943	0.5057	
betaR2[8]	0.0005	0.0015	0.1738	-0.3514	0.3512	0.5045	0.4955	
betaR2[9]	0.0428	0.0422	0.0174	0.0102	0.0780	0.9952	0.0048	*
betaR2[10]	0.0429	0.0427	0.0188	0.0072	0.0803	0.9896	0.0104	*
betaR2[11]	0.0248	0.0242	0.0604	-0.0954	0.1482	0.6648	0.3352	*
betaR2[12]	-0.0217	-0.0191	0.0816	-0.1872	0.1344	0.4055	0.5945	
betaR2[13]	-0.0120	-0.0100	0.0808	-0.1741	0.1404	0.4497	0.5503	
betaR2[14]	0.0025	0.0041	0.1387	-0.2777	0.2739	0.5125	0.4875	

betaR2[15]	0.1172	0.1137	0.1178	-0.1089	0.3561	0.8472	0.1528	*
betaR2[16]	0.1729	0.1713	0.1122	-0.0433	0.3955	0.9437	0.0563	*
betaR2[17]	0.0858	0.0774	0.1564	-0.2055	0.4192	0.7098	0.2902	*
betaR2[18]	0.1290	0.1251	0.1022	-0.0626	0.3374	0.9051	0.0949	*
betaR2[19]	0.2543	0.2517	0.0959	0.0765	0.4489	0.9983	0.0017	*
betaR2[20]	-0.0387	-0.0332	0.1652	-0.3823	0.2814	0.4104	0.5896	
betaR2[21]	0.2681	0.2648	0.0988	0.0821	0.4663	0.9987	0.0013	*
betaR2[22]	0.2080	0.2039	0.0933	0.0357	0.3992	0.9914	0.0086	*
betaR2[23]	0.0986	0.0894	0.1635	-0.2049	0.4481	0.7282	0.2718	*
betaR2[24]	-0.0225	-0.0223	0.0825	-0.1862	0.1406	0.3910	0.6090	
betaR2[25]	-0.0186	-0.0176	0.0708	-0.1582	0.1191	0.4014	0.5986	
betaR2[26]	0.1055	0.0969	0.1594	-0.1912	0.4465	0.7523	0.2477	*
betaR2[27]	0.0993	0.0939	0.1217	-0.1275	0.3566	0.8004	0.1996	*
betaR2[28]	-0.0520	-0.0528	0.1204	-0.2867	0.1923	0.3275	0.6725	*
betaR2[29]	-0.0610	-0.0543	0.1627	-0.4027	0.2510	0.3554	0.6446	
betaR2[30]	0.0113	0.0106	0.0684	-0.1202	0.1502	0.5629	0.4371	
betaR2[31]	-0.0900	-0.0902	0.0702	-0.2266	0.0499	0.0994	0.9006	*
betaR2[32]	-0.0363	-0.0339	0.1647	-0.3753	0.2890	0.4107	0.5893	
betaR3[1]	0.0125	0.0180	0.5041	-0.9955	1.0014	0.5152	0.4848	
betaR3[2]	-0.0001	0.0000	0.5201	-1.0423	1.0334	0.5000	0.5000	
betaR3[3]	0.0019	-0.0012	0.5159	-1.0136	1.0327	0.4992	0.5008	
betaR3[4]	-0.0013	-0.0020	0.5161	-1.0294	1.0289	0.4982	0.5018	
betaR3[5]	0.0007	-0.0021	0.5137	-1.0162	1.0307	0.4982	0.5018	
betaR3[6]	-0.0030	-0.0047	0.5122	-1.0272	1.0145	0.4966	0.5034	
betaR3[7]	0.0000	-0.0005	0.5154	-1.0221	1.0272	0.4996	0.5004	
betaR3[8]	-0.0046	-0.0047	0.5149	-1.0273	1.0100	0.4958	0.5042	
betaR3[9]	0.0457	0.0452	0.0205	0.0068	0.0873	0.9903	0.0097	*
betaR3[10]	0.0134	0.0135	0.0213	-0.0289	0.0553	0.7382	0.2618	*
betaR3[11]	0.0747	0.0725	0.1203	-0.1607	0.3215	0.7428	0.2572	*
betaR3[12]	0.0005	0.0020	0.1070	-0.2126	0.2072	0.5072	0.4928	
betaR3[13]	0.2371	0.2360	0.1075	0.0285	0.4510	0.9867	0.0133	*
betaR3[14]	0.0477	0.0504	0.3028	-0.5580	0.6392	0.5689	0.4311	
betaR3[15]	0.8623	0.8665	0.1862	0.4830	1.2173	1.0000	0.0000	*
betaR3[16]	0.8856	0.8869	0.1664	0.5524	1.2025	1.0000	0.0000	*
betaR3[17]	0.4199	0.4157	0.3947	-0.3482	1.2139	0.8619	0.1381	*
betaR3[18]	0.3334	0.3313	0.1945	-0.0389	0.7363	0.9601	0.0399	*
betaR3[19]	0.3305	0.3260	0.1804	-0.0144	0.6910	0.9701	0.0299	*
betaR3[20]	-0.0669	-0.0607	0.4371	-0.9545	0.7912	0.4412	0.5588	
betaR3[21]	0.6247	0.6246	0.1608	0.3173	0.9288	1.0000	0.0000	*
betaR3[22]	0.5559	0.5537	0.1551	0.2652	0.8603	0.9999	0.0001	*
betaR3[23]	0.3490	0.3435	0.4384	-0.5044	1.2308	0.7955	0.2045	*
betaR3[24]	-0.1597	-0.1613	0.1264	-0.4025	0.0928	0.1034	0.8966	*
betaR3[25]	-0.0514	-0.0513	0.1141	-0.2791	0.1721	0.3272	0.6728	*
betaR3[26]	0.3470	0.3424	0.4136	-0.4545	1.1660	0.8022	0.1978	*
betaR3[27]	-0.5112	-0.5113	0.2345	-0.9692	-0.0457	0.0171	0.9829	*
betaR3[28]	-0.6964	-0.6975	0.2276	-1.1415	-0.2413	0.0033	0.9967	*
betaR3[29]	-0.2933	-0.2887	0.4376	-1.1809	0.5612	0.2433	0.7567	*
betaR3[30]	0.2109	0.2111	0.1019	0.0093	0.4099	0.9802	0.0198	*
betaR3[31]	0.2825	0.2807	0.1035	0.0816	0.4916	0.9959	0.0041	*
betaR3[32]	-0.1270	-0.1231	0.4417	-1.0052	0.7476	0.3828	0.6172	

alphaR1[1]	-1.8404	-1.8441	0.4230	-2.6702	-0.9935	0.0000	1.0000	*
alphaR1[2]	-0.4938	-0.4915	0.3620	-1.2137	0.2149	0.0834	0.9166	*
alphaR1[3]	-0.2956	-0.2957	0.3328	-0.9542	0.3540	0.1855	0.8145	*
alphaR1[4]	0.0998	0.0981	0.2032	-0.2915	0.4965	0.6864	0.3136	*
alphaR1[5]	-0.8353	-0.8339	0.4556	-1.7337	0.0601	0.0339	0.9661	*
alphaR1[6]	0.0021	0.0033	0.1957	-0.3813	0.3850	0.5064	0.4936	
alphaR2[1]	1.0743	1.0719	0.3583	0.3855	1.7907	0.9989	0.0011	*
alphaR2[2]	0.4754	0.4764	0.2545	-0.0290	0.9713	0.9674	0.0326	*
alphaR2[3]	0.3920	0.3959	0.2260	-0.0645	0.8294	0.9562	0.0438	*
alphaR2[4]	0.2472	0.2456	0.1431	-0.0270	0.5327	0.9608	0.0392	*
alphaR2[5]	0.0930	0.0942	0.3377	-0.5757	0.7523	0.6102	0.3898	
alphaR2[6]	0.3366	0.3348	0.1333	0.0821	0.6025	0.9949	0.0051	*
alphaR3[1]	2.5603	2.5355	0.4615	1.7077	3.5289	1.0000	0.0000	*
alphaR3[2]	0.6622	0.6551	0.3697	-0.0489	1.4261	0.9664	0.0336	*
alphaR3[3]	0.6233	0.6195	0.3323	-0.0319	1.2860	0.9699	0.0301	*
alphaR3[4]	0.2016	0.1977	0.2225	-0.2241	0.6482	0.8161	0.1839	*
alphaR3[5]	-0.4249	-0.4229	0.4532	-1.3223	0.4628	0.1747	0.8253	*
alphaR3[6]	0.1437	0.1380	0.2157	-0.2678	0.5802	0.7457	0.2543	*

Standard Deviations and Covariance Matrix

Parameter	Post.Mean	Post.Median	Post.SD	Lower95	Upper95	P.great.0	P.less.0	Evidence
sigmaP	2.6984	2.6868	0.2371	2.2618	3.1876	1.0000	0.0000	*
sigmaA	0.3793	0.3784	0.0272	0.3282	0.4351	1.0000	0.0000	*
SigmaIR[1, 1]	0.8215	0.8170	0.0742	0.6877	0.9788	1.0000	0.0000	*
SigmaIR[2, 1]	0.1746	0.1734	0.0869	0.0066	0.3497	0.9791	0.0209	*
SigmaIR[3, 1]	-0.0507	-0.0503	0.1056	-0.2611	0.1540	0.3182	0.6818	*
SigmaIR[4, 1]	0.5427	0.5396	0.0813	0.3921	0.7140	1.0000	0.0000	*
SigmaIR[5, 1]	0.1063	0.1060	0.0458	0.0176	0.1976	0.9905	0.0095	*
SigmaIR[6, 1]	-0.0228	-0.0235	0.0461	-0.1127	0.0682	0.3075	0.6925	*
SigmaIR[1, 2]	0.1746	0.1734	0.0869	0.0066	0.3497	0.9791	0.0209	*
SigmaIR[2, 2]	2.1470	2.1355	0.1919	1.8018	2.5507	1.0000	0.0000	*
SigmaIR[3, 2]	1.8305	1.8185	0.1976	1.4748	2.2469	1.0000	0.0000	*
SigmaIR[4, 2]	0.4777	0.4751	0.1226	0.2451	0.7238	1.0000	0.0000	*
SigmaIR[5, 2]	0.6351	0.6320	0.0839	0.4789	0.8097	1.0000	0.0000	*
SigmaIR[6, 2]	0.2212	0.2205	0.0783	0.0688	0.3787	0.9978	0.0022	*
SigmaIR[1, 3]	-0.0507	-0.0503	0.1056	-0.2611	0.1540	0.3182	0.6818	*
SigmaIR[2, 3]	1.8305	1.8185	0.1976	1.4748	2.2469	1.0000	0.0000	*
SigmaIR[3, 3]	3.3125	3.2972	0.2822	2.8058	3.9064	1.0000	0.0000	*
SigmaIR[4, 3]	0.3997	0.3971	0.1461	0.1213	0.6982	0.9980	0.0020	*
SigmaIR[5, 3]	0.3970	0.3948	0.0953	0.2163	0.5915	1.0000	0.0000	*
SigmaIR[6, 3]	0.2543	0.2515	0.0968	0.0691	0.4510	0.9975	0.0025	*
SigmaIR[1, 4]	0.5427	0.5396	0.0813	0.3921	0.7140	1.0000	0.0000	*
SigmaIR[2, 4]	0.4777	0.4751	0.1226	0.2451	0.7238	1.0000	0.0000	*
SigmaIR[3, 4]	0.3997	0.3971	0.1461	0.1213	0.6982	0.9980	0.0020	*
SigmaIR[4, 4]	1.5272	1.5200	0.1444	1.2665	1.8250	1.0000	0.0000	*
SigmaIR[5, 4]	0.0492	0.0503	0.0639	-0.0791	0.1735	0.7825	0.2175	*
SigmaIR[6, 4]	0.0097	0.0095	0.0656	-0.1194	0.1417	0.5604	0.4396	
SigmaIR[1, 5]	0.1063	0.1060	0.0458	0.0176	0.1976	0.9905	0.0095	*
SigmaIR[2, 5]	0.6351	0.6320	0.0839	0.4789	0.8097	1.0000	0.0000	*
SigmaIR[3, 5]	0.3970	0.3948	0.0953	0.2163	0.5915	1.0000	0.0000	*
SigmaIR[4, 5]	0.0492	0.0503	0.0639	-0.0791	0.1735	0.7825	0.2175	*
SigmaIR[5, 5]	0.6204	0.6178	0.0579	0.5145	0.7403	1.0000	0.0000	*
SigmaIR[6, 5]	0.2962	0.2939	0.0485	0.2093	0.3995	1.0000	0.0000	*
SigmaIR[1, 6]	-0.0228	-0.0235	0.0461	-0.1127	0.0682	0.3075	0.6925	*
SigmaIR[2, 6]	0.2212	0.2205	0.0783	0.0688	0.3787	0.9978	0.0022	*
SigmaIR[3, 6]	0.2543	0.2515	0.0968	0.0691	0.4510	0.9975	0.0025	*
SigmaIR[4, 6]	0.0097	0.0095	0.0656	-0.1194	0.1417	0.5604	0.4396	
SigmaIR[5, 6]	0.2962	0.2939	0.0485	0.2093	0.3995	1.0000	0.0000	*
SigmaIR[6, 6]	0.6082	0.6036	0.0630	0.4971	0.7433	1.0000	0.0000	*

Moving-Average Parameters and Residuals

Parameter	Post.Mean	Post.Median	Post.SD	Lower95	Upper95	P.great.0	P.less.0	Evidence
thetaA	0.5672	0.5656	0.0598	0.4549	0.6887	1.0000	0.0000	*
thetaIR[1, 1]	-0.2045	-0.1993	0.1244	-0.4604	0.0257	0.0419	0.9581	*
thetaIR[2, 1]	0.1980	0.2005	0.1519	-0.1096	0.4908	0.9044	0.0956	*
thetaIR[3, 1]	0.0325	0.0336	0.1562	-0.2780	0.3367	0.5849	0.4151	
thetaIR[4, 1]	-0.1322	-0.1310	0.1295	-0.3869	0.1214	0.1521	0.8479	*
thetaIR[5, 1]	-0.0013	-0.0031	0.1404	-0.2745	0.2815	0.4913	0.5087	
thetaIR[6, 1]	-0.7464	-0.7524	0.1955	-1.1188	-0.3484	0.0000	1.0000	*
thetaIR[1, 2]	0.3070	0.3073	0.1125	0.0800	0.5300	0.9952	0.0048	*
thetaIR[2, 2]	-0.0617	-0.0617	0.1142	-0.2859	0.1606	0.2931	0.7069	*
thetaIR[3, 2]	-0.1743	-0.1707	0.1539	-0.4839	0.1158	0.1270	0.8730	*
thetaIR[4, 2]	0.1657	0.1652	0.1035	-0.0379	0.3712	0.9472	0.0528	*
thetaIR[5, 2]	-0.3231	-0.3237	0.1075	-0.5379	-0.1150	0.0015	0.9985	*
thetaIR[6, 2]	-0.1744	-0.1694	0.1901	-0.5595	0.1944	0.1758	0.8242	*
thetaIR[1, 3]	-0.0437	-0.0438	0.0925	-0.2253	0.1388	0.3175	0.6825	*
thetaIR[2, 3]	0.2031	0.1993	0.0945	0.0253	0.4009	0.9870	0.0130	*
thetaIR[3, 3]	0.2988	0.3001	0.1058	0.0905	0.5025	0.9976	0.0024	*
thetaIR[4, 3]	-0.0525	-0.0535	0.0778	-0.2034	0.1047	0.2386	0.7614	*
thetaIR[5, 3]	-0.1624	-0.1580	0.0989	-0.3630	0.0236	0.0433	0.9567	*
thetaIR[6, 3]	-0.6832	-0.6832	0.1578	-0.9863	-0.3851	0.0000	1.0000	*
thetaIR[1, 4]	0.3721	0.3710	0.1082	0.1606	0.5882	0.9997	0.0003	*
thetaIR[2, 4]	-0.0042	-0.0029	0.1089	-0.2202	0.2050	0.4891	0.5109	
thetaIR[3, 4]	0.2456	0.2474	0.1431	-0.0404	0.5229	0.9558	0.0442	*
thetaIR[4, 4]	0.2784	0.2829	0.1017	0.0609	0.4665	0.9920	0.0080	*
thetaIR[5, 4]	-0.0888	-0.0901	0.0929	-0.2695	0.0944	0.1721	0.8279	*
thetaIR[6, 4]	0.1419	0.1430	0.1295	-0.1147	0.3939	0.8614	0.1386	*
thetaIR[1, 5]	-0.0546	-0.0554	0.1669	-0.3811	0.2715	0.3725	0.6275	
thetaIR[2, 5]	0.4396	0.4380	0.1677	0.1101	0.7705	0.9952	0.0048	*
thetaIR[3, 5]	0.0681	0.0622	0.1992	-0.3081	0.4838	0.6252	0.3748	
thetaIR[4, 5]	-0.2732	-0.2754	0.1573	-0.5786	0.0418	0.0441	0.9559	*
thetaIR[5, 5]	0.3475	0.3528	0.1375	0.0627	0.6045	0.9911	0.0089	*
thetaIR[6, 5]	0.3323	0.3370	0.2501	-0.1562	0.8293	0.9151	0.0849	*
thetaIR[1, 6]	0.1316	0.1345	0.1192	-0.1094	0.3624	0.8648	0.1352	*
thetaIR[2, 6]	-0.1677	-0.1696	0.1254	-0.4116	0.0868	0.0898	0.9102	*
thetaIR[3, 6]	0.0066	0.0088	0.1369	-0.2680	0.2727	0.5274	0.4726	
thetaIR[4, 6]	-0.4609	-0.4604	0.1239	-0.7121	-0.2161	0.0001	0.9999	*
thetaIR[5, 6]	-0.0294	-0.0283	0.0977	-0.2234	0.1580	0.3831	0.6169	
thetaIR[6, 6]	-0.0031	0.0001	0.1189	-0.2471	0.2234	0.5004	0.4996	
thetaP	-0.0048	-0.0050	0.0925	-0.1839	0.1759	0.4776	0.5224	
wP[1, 2]	-0.9175	-0.8939	2.0886	-5.0736	3.1724	0.3323	0.6677	*
wP[1, 3]	0.1238	0.1322	1.9353	-3.7112	3.8797	0.5275	0.4725	
wP[1, 4]	-2.8983	-2.8923	2.0095	-6.8534	1.0364	0.0733	0.9267	*
wP[1, 5]	2.4878	2.5672	1.8854	-1.4067	5.9601	0.9016	0.0984	*
wP[1, 6]	-0.2383	-0.2277	2.0394	-4.2679	3.6830	0.4563	0.5437	
wP[1, 7]	-1.2845	-1.0586	2.0148	-5.7704	2.0123	0.2828	0.7172	*
wP[2, 2]	-1.4579	-1.4502	2.0669	-5.5406	2.5875	0.2390	0.7610	*
wP[2, 3]	-0.6823	-0.5881	1.8440	-4.5201	2.6343	0.3747	0.6253	
wP[2, 4]	-1.4682	-1.4004	2.0250	-5.5827	2.2573	0.2435	0.7565	*

wP[2, 5]	2.7381	2.7836	1.9561	-1.1822	6.4557	0.9161	0.0839	*
wP[2, 6]	-3.0580	-3.0255	2.0867	-7.2235	0.9902	0.0702	0.9298	*
wP[2, 7]	-0.2133	-0.1469	2.5051	-5.3536	4.4087	0.4774	0.5226	
wP[3, 2]	0.2999	0.4326	2.1139	-4.1934	4.0927	0.5810	0.4190	
wP[3, 3]	4.0390	4.3173	2.4185	-2.1688	8.0893	0.9268	0.0732	*
wP[3, 4]	1.3190	1.3221	2.1850	-3.0461	5.6376	0.7354	0.2646	*
wP[3, 5]	0.8796	0.8706	2.1708	-3.4049	5.2068	0.6598	0.3402	*
wP[3, 6]	-2.2895	-2.2449	2.0857	-6.5346	1.6942	0.1322	0.8678	*
wP[3, 7]	-2.1838	-2.0926	1.9889	-6.4111	1.4471	0.1307	0.8693	*
wP[4, 2]	-0.4609	-0.4241	2.0280	-4.5500	3.4180	0.4169	0.5831	
wP[4, 3]	-1.4354	-1.3027	1.6685	-5.0483	1.4738	0.1977	0.8023	*
wP[4, 4]	-2.7266	-2.5263	1.8573	-6.8339	0.3735	0.0481	0.9519	*
wP[4, 5]	0.2904	0.3444	1.9589	-3.7047	3.9892	0.5688	0.4312	
wP[4, 6]	-2.8709	-2.8448	1.7408	-6.3451	0.4817	0.0464	0.9536	*
wP[4, 7]	-2.0365	-1.8104	1.8028	-6.1266	0.9017	0.1082	0.8918	*
wP[5, 2]	2.1829	2.1623	1.4342	-0.5862	5.0561	0.9391	0.0609	*
wP[5, 3]	-0.0153	-0.0121	0.9969	-1.9759	1.9444	0.4951	0.5049	
wP[5, 4]	-1.0169	-1.0110	1.0575	-3.1075	1.0348	0.1672	0.8328	*
wP[5, 5]	0.5023	0.4977	1.2631	-1.9665	2.9982	0.6559	0.3441	*
wP[5, 6]	-3.5922	-3.5913	1.5515	-6.6429	-0.5431	0.0113	0.9887	*
wP[5, 7]	3.0601	3.0445	0.9531	1.2173	4.9688	0.9991	0.0009	*
wP[6, 2]	-0.8883	-0.8974	2.3299	-5.4597	3.7171	0.3482	0.6518	*
wP[6, 3]	0.6077	0.6990	1.8145	-3.1170	3.8764	0.6419	0.3581	
wP[6, 4]	-3.5725	-3.5375	1.9921	-7.5960	0.2039	0.0326	0.9674	*
wP[6, 5]	1.4658	1.5659	1.6152	-1.9620	4.3651	0.8221	0.1779	*
wP[6, 6]	-1.7080	-1.6772	2.0245	-5.7568	2.2103	0.1988	0.8012	*
wP[6, 7]	-0.7942	-0.6146	2.2229	-5.5967	3.0249	0.3920	0.6080	
wP[7, 2]	0.4748	0.4852	2.1508	-3.7699	4.6660	0.5897	0.4103	
wP[7, 3]	0.3284	0.3370	2.1044	-3.8175	4.4283	0.5638	0.4362	
wP[7, 4]	-1.1720	-1.1518	2.1000	-5.3698	2.8829	0.2900	0.7100	*
wP[7, 5]	-0.8564	-0.8495	2.1460	-5.1048	3.3370	0.3445	0.6555	*
wP[7, 6]	0.0078	0.0156	2.1491	-4.2206	4.1976	0.5030	0.4970	
wP[7, 7]	-0.0972	-0.0525	2.6071	-5.3504	4.8073	0.4919	0.5081	
wP[8, 2]	-0.5345	-0.5143	2.0589	-4.6352	3.4753	0.3992	0.6008	
wP[8, 3]	0.2991	0.2962	2.0648	-3.7783	4.3180	0.5587	0.4413	
wP[8, 4]	-0.2363	-0.2087	2.0125	-4.2896	3.5875	0.4590	0.5410	
wP[8, 5]	-2.6060	-2.5840	2.0635	-6.7490	1.3674	0.1002	0.8998	*
wP[8, 6]	-1.3061	-1.2739	1.6223	-4.6387	1.8132	0.2072	0.7928	*
wP[8, 7]	2.5136	2.5013	1.4538	-0.3191	5.3895	0.9595	0.0405	*
wP[9, 2]	-0.5686	-0.5497	2.1202	-4.7799	3.5683	0.3959	0.6041	
wP[9, 3]	-0.5767	-0.5314	1.9373	-4.5049	3.0249	0.3943	0.6057	
wP[9, 4]	-0.1125	-0.0628	1.9135	-3.9988	3.4330	0.4868	0.5132	
wP[9, 5]	-0.6729	-0.6498	1.9743	-4.6088	3.0902	0.3734	0.6266	
wP[9, 6]	-0.5160	-0.4242	1.7686	-4.2268	2.6768	0.4047	0.5953	
wP[9, 7]	4.1051	4.0640	1.1482	1.9404	6.4499	0.9999	0.0001	*
wP[10, 2]	-1.2150	-1.2130	2.1305	-5.4079	2.9600	0.2850	0.7150	*
wP[10, 3]	1.8167	1.8570	1.9779	-2.1627	5.5513	0.8206	0.1794	*
wP[10, 4]	0.0715	0.0796	2.0742	-4.0654	4.1125	0.5155	0.4845	
wP[10, 5]	-0.4046	-0.2887	2.4557	-5.4834	3.9779	0.4539	0.5461	
wP[10, 6]	-0.6661	-0.5209	2.2801	-5.5033	3.3891	0.4088	0.5912	

wP[10, 7]	0.0025	-0.0040	2.7038	-5.3132	5.3069	0.4994	0.5006	
wP[11, 2]	4.7820	4.7962	1.6963	1.3970	8.0948	0.9964	0.0036	*
wP[11, 3]	3.9825	3.9941	0.9847	2.1381	5.8423	0.9969	0.0031	*
wP[11, 4]	-0.2511	-0.2536	0.8177	-1.8513	1.3638	0.3781	0.6219	
wP[11, 5]	0.8537	0.8460	0.9792	-1.0454	2.7995	0.8084	0.1916	*
wP[11, 6]	2.0834	2.0849	0.6921	0.7221	3.4402	0.9980	0.0020	*
wP[11, 7]	2.6746	2.6617	0.7940	1.1452	4.2592	0.9996	0.0004	*
wP[12, 2]	0.5789	0.6169	1.5048	-2.4913	3.4442	0.6605	0.3395	*
wP[12, 3]	3.5202	3.5472	1.1296	1.3126	5.6245	0.9931	0.0069	*
wP[12, 4]	-3.4351	-3.3909	1.0391	-5.6151	-1.5094	0.0003	0.9997	*
wP[12, 5]	1.3743	1.3669	1.1566	-0.8787	3.6554	0.8839	0.1161	*
wP[12, 6]	-0.1761	-0.1762	0.9171	-1.9887	1.6234	0.4232	0.5768	
wP[12, 7]	0.8534	0.8608	1.0139	-1.1517	2.8172	0.8023	0.1977	*
wP[13, 2]	-0.7263	-0.7339	2.1387	-4.9301	3.5050	0.3649	0.6351	
wP[13, 3]	0.3659	0.3622	2.0630	-3.6577	4.4463	0.5680	0.4320	
wP[13, 4]	-0.0276	-0.0202	2.6947	-5.3284	5.2555	0.4968	0.5032	
wP[14, 2]	-1.2381	-1.2390	2.1535	-5.4655	2.9908	0.2802	0.7198	*
wP[14, 3]	-0.0591	-0.0596	2.0774	-4.1561	4.0098	0.4887	0.5113	
wP[14, 4]	-0.1787	-0.1758	2.1085	-4.3456	3.9883	0.4660	0.5340	
wP[14, 5]	4.1791	4.1842	2.0406	0.1485	8.1938	0.9791	0.0209	*
wP[14, 6]	6.1324	6.1078	1.2679	3.7278	8.6988	1.0000	0.0000	*
wP[14, 7]	3.0633	3.0430	1.0018	1.1533	5.0797	0.9992	0.0008	*
wP[15, 2]	-1.4332	-1.4142	2.1107	-5.6531	2.6727	0.2467	0.7533	*
wP[15, 3]	-1.9645	-1.9492	2.1027	-6.1482	2.1258	0.1740	0.8260	*
wP[15, 4]	-0.4203	-0.4222	2.0808	-4.5343	3.6254	0.4200	0.5800	
wP[15, 5]	-2.1174	-2.0950	2.1499	-6.3893	2.0301	0.1612	0.8388	*
wP[15, 6]	1.5267	1.5260	2.1137	-2.6430	5.6916	0.7661	0.2339	*
wP[15, 7]	0.0059	-0.0062	2.7017	-5.2869	5.3486	0.4990	0.5010	
wP[16, 2]	-1.8047	-1.8031	2.1882	-6.1459	2.4604	0.2020	0.7980	*
wP[16, 3]	0.4330	0.4396	2.1029	-3.7302	4.5243	0.5840	0.4160	
wP[16, 4]	1.4427	1.4354	2.1834	-2.8011	5.7718	0.7451	0.2549	*
wP[16, 5]	-1.4277	-1.4156	2.1100	-5.6056	2.6929	0.2493	0.7507	*
wP[16, 6]	2.0614	2.0625	2.0783	-2.0521	6.1116	0.8405	0.1595	*
wP[16, 7]	-0.0075	-0.0014	2.6970	-5.3069	5.2564	0.4998	0.5002	
wP[17, 2]	-2.0234	-2.0175	2.1426	-6.2740	2.1753	0.1696	0.8304	*
wP[17, 3]	-1.4230	-1.4171	2.0910	-5.5766	2.6642	0.2481	0.7519	*
wP[17, 4]	-0.3440	-0.3486	2.0932	-4.4702	3.7318	0.4350	0.5650	
wP[17, 5]	-1.0302	-1.0258	2.1129	-5.1788	3.1141	0.3104	0.6896	*
wP[17, 6]	1.6003	1.6670	1.8346	-2.1779	5.0216	0.8113	0.1887	*
wP[17, 7]	-0.0720	-0.0511	2.6429	-5.3529	4.9916	0.4925	0.5075	
wP[18, 2]	2.7438	2.7333	1.2109	0.3977	5.1713	0.9884	0.0116	*
wP[18, 3]	-0.1065	-0.1114	0.9911	-2.0458	1.8507	0.4546	0.5454	
wP[18, 4]	3.2451	3.2418	1.0688	1.1431	5.3550	0.9987	0.0013	*
wP[18, 5]	-0.4696	-0.4788	1.0976	-2.6004	1.6992	0.3306	0.6694	*
wP[18, 6]	1.8141	1.8197	1.0290	-0.2254	3.8232	0.9598	0.0402	*
wP[19, 2]	-2.1213	-2.1111	2.4810	-7.0107	2.7405	0.1925	0.8075	*
wP[19, 3]	-0.1949	-0.1834	2.1327	-4.3892	3.9740	0.4657	0.5343	
wP[19, 4]	-0.5729	-0.5581	2.1030	-4.7263	3.5311	0.3934	0.6066	
wP[19, 5]	-2.9543	-2.9365	2.2112	-7.3990	1.3355	0.0882	0.9118	*
wP[19, 6]	0.5015	0.4966	2.5119	-4.4720	5.3999	0.5785	0.4215	

wP[19, 7]	-0.1256	-0.1251	2.6802	-5.3996	5.1515	0.4813	0.5187	
wP[20, 2]	-1.9232	-1.9056	2.1924	-6.2492	2.3573	0.1900	0.8100	*
wP[20, 3]	-1.3050	-1.3088	2.1717	-5.5716	2.9550	0.2717	0.7283	*
wP[20, 4]	0.6080	0.6059	2.1053	-3.5088	4.7530	0.6139	0.3861	
wP[20, 5]	-1.6280	-1.6022	2.1604	-5.9297	2.5828	0.2238	0.7762	*
wP[20, 6]	1.1494	1.1496	2.1832	-3.0960	5.4548	0.6984	0.3016	*
wP[20, 7]	-0.0037	0.0165	2.6819	-5.3138	5.2188	0.5024	0.4976	
wP[21, 2]	0.3467	0.3512	2.1127	-3.8079	4.5153	0.5670	0.4330	
wP[21, 3]	1.1630	1.1590	1.9860	-2.7168	5.1120	0.7208	0.2792	*
wP[21, 4]	-0.3031	-0.3055	2.0032	-4.2740	3.6290	0.4399	0.5601	
wP[21, 5]	-3.3527	-3.3190	2.0425	-7.4311	0.5931	0.0486	0.9514	*
wP[21, 6]	0.7046	0.7122	2.1471	-3.5444	4.9009	0.6310	0.3690	
wP[21, 7]	0.0019	0.0068	2.7041	-5.3056	5.3375	0.5011	0.4989	
wP[22, 2]	-0.2633	-0.2639	2.1539	-4.4887	3.9526	0.4514	0.5486	
wP[22, 3]	0.5185	0.5181	2.0124	-3.4413	4.4911	0.6014	0.3986	
wP[22, 4]	0.4370	0.4382	2.0158	-3.5114	4.3923	0.5868	0.4132	
wP[22, 5]	-0.2864	-0.2784	2.0412	-4.3441	3.7146	0.4447	0.5553	
wP[22, 6]	0.7521	0.7427	2.1087	-3.3717	4.9207	0.6387	0.3613	
wP[22, 7]	0.0007	0.0242	2.7181	-5.3798	5.2813	0.5038	0.4962	
wP[23, 2]	-0.9123	-0.8981	2.1304	-5.1286	3.2172	0.3346	0.6654	*
wP[23, 3]	1.1826	1.1890	2.1371	-3.0518	5.4025	0.7112	0.2888	*
wP[23, 4]	-0.3218	-0.3089	2.1049	-4.4755	3.7997	0.4409	0.5591	
wP[23, 5]	-1.1142	-1.1026	2.0883	-5.2564	2.9714	0.2956	0.7044	*
wP[23, 6]	-1.3535	-1.3315	2.1639	-5.6642	2.8128	0.2681	0.7319	*
wP[23, 7]	-0.7093	-0.5663	2.2819	-5.5585	3.3687	0.3991	0.6009	
wP[24, 2]	-0.1186	-0.1197	2.2051	-4.4542	4.1915	0.4795	0.5205	
wP[24, 3]	-0.9234	-0.9236	2.1250	-5.1383	3.1908	0.3327	0.6673	*
wP[24, 4]	1.4932	1.4814	2.1428	-2.7094	5.7220	0.7601	0.2399	*
wP[24, 5]	-1.4183	-1.4099	2.1283	-5.6358	2.7474	0.2513	0.7487	*
wP[24, 6]	1.6431	1.6336	2.1587	-2.5712	5.9159	0.7787	0.2213	*
wP[24, 7]	-0.0008	-0.0094	2.6955	-5.3146	5.2984	0.4989	0.5011	
wP[25, 2]	-0.0106	-0.0078	2.7159	-5.3388	5.3109	0.4988	0.5012	
wP[26, 2]	-0.6995	-0.6828	2.2074	-5.0777	3.5980	0.3756	0.6244	
wP[26, 3]	0.1944	0.2038	2.1498	-4.0371	4.4026	0.5382	0.4618	
wP[26, 4]	0.7529	0.7593	2.1183	-3.4442	4.9010	0.6412	0.3588	
wP[26, 5]	-2.8726	-2.8387	2.1546	-7.1596	1.2846	0.0895	0.9105	*
wP[26, 6]	-0.4170	-0.4106	2.1974	-4.7293	3.9114	0.4232	0.5768	
wP[26, 7]	0.0148	-0.0013	2.7121	-5.2807	5.3773	0.4999	0.5001	
wP[27, 2]	-0.9578	-0.9501	2.1875	-5.2449	3.2916	0.3316	0.6684	*
wP[27, 3]	-0.7451	-0.7426	2.1553	-4.9850	3.4613	0.3638	0.6362	
wP[27, 4]	1.1175	1.1163	2.1268	-3.0576	5.3053	0.7015	0.2985	*
wP[27, 5]	-1.0344	-1.0233	2.1703	-5.3188	3.1675	0.3181	0.6819	*
wP[27, 6]	-0.0521	-0.0335	2.6874	-5.3435	5.1506	0.4951	0.5049	
wP[27, 7]	0.0214	0.0301	2.7017	-5.2850	5.3554	0.5042	0.4958	
wP[28, 2]	-0.5297	-0.5228	2.1261	-4.7292	3.6386	0.4006	0.5994	
wP[28, 3]	2.9002	2.9463	1.8696	-0.9031	6.3652	0.9355	0.0645	*
wP[28, 4]	7.9683	7.9497	1.1366	5.7905	10.2414	1.0000	0.0000	*
wP[28, 5]	4.6014	4.5882	1.2503	2.1841	7.1184	1.0000	0.0000	*
wP[28, 6]	-3.9776	-3.9571	1.4026	-6.7971	-1.3013	0.0017	0.9983	*
wP[28, 7]	0.2721	0.2584	1.3952	-2.4446	3.0423	0.5754	0.4246	

wP[29, 2]	0.7457	0.7693	2.0559	-3.3681	4.7145	0.6478	0.3522	
wP[29, 3]	-0.6309	-0.5306	1.8363	-4.4944	2.6925	0.3835	0.6165	
wP[29, 4]	-2.6097	-2.5414	1.5178	-5.8064	0.1978	0.0348	0.9652	*
wP[29, 5]	-2.3509	-2.2492	1.7945	-6.1111	0.8524	0.0867	0.9133	*
wP[29, 6]	-6.4597	-6.3991	1.4635	-9.5430	-3.7412	0.0000	1.0000	*
wP[29, 7]	-4.0052	-3.8992	1.6298	-7.4986	-1.0818	0.0030	0.9970	*
wP[30, 2]	-2.2234	-2.1228	1.7529	-5.9157	0.9561	0.0925	0.9075	*
wP[30, 3]	-1.5929	-1.4855	1.6791	-5.1513	1.3890	0.1690	0.8310	*
wP[30, 4]	-1.0348	-0.9265	1.3865	-4.0986	1.4325	0.2257	0.7743	*
wP[30, 5]	-2.6467	-2.6056	2.1089	-6.8759	1.3680	0.1036	0.8964	*
wP[30, 6]	-2.5893	-2.5761	1.7626	-6.1280	0.8095	0.0686	0.9314	*
wP[30, 7]	-0.7387	-0.6066	2.2631	-5.5250	3.2807	0.3944	0.6056	
wP[31, 2]	-1.9572	-1.9197	2.2294	-6.3676	2.3501	0.1897	0.8103	*
wP[31, 3]	-1.5837	-1.5826	2.2255	-5.9415	2.7545	0.2392	0.7608	*
wP[31, 4]	-0.2408	-0.2382	2.1190	-4.4290	3.9141	0.4553	0.5447	
wP[31, 5]	-1.3035	-1.2953	2.0528	-5.3398	2.6917	0.2618	0.7382	*
wP[31, 6]	0.1435	0.1460	2.1066	-4.0002	4.2240	0.5282	0.4718	
wP[31, 7]	-0.0476	-0.0254	2.6713	-5.3276	5.1363	0.4963	0.5037	
wP[32, 2]	0.4009	0.4283	2.0734	-3.7245	4.3998	0.5818	0.4182	
wP[32, 3]	-1.0343	-1.0117	2.4346	-5.9021	3.6180	0.3398	0.6602	*
wP[32, 4]	0.2312	0.3133	1.9895	-3.8578	3.8591	0.5604	0.4396	
wP[32, 5]	-2.8546	-2.8475	2.2062	-7.2122	1.4345	0.0968	0.9032	*
wP[32, 6]	2.3235	2.4034	1.8651	-1.5017	5.7713	0.8883	0.1117	*
wP[32, 7]	-0.0089	0.0086	2.6873	-5.3621	5.2328	0.5013	0.4987	
wP[33, 2]	0.3389	0.3573	1.9860	-3.5933	4.1830	0.5698	0.4302	
wP[33, 3]	0.0252	0.0653	1.9050	-3.8143	3.6272	0.5130	0.4870	
wP[33, 4]	3.6787	3.7586	1.4201	0.6411	6.2714	0.9893	0.0107	*
wP[33, 5]	4.7788	4.7527	1.0724	2.7498	6.9577	1.0000	0.0000	*
wP[33, 6]	0.9596	0.9631	0.9578	-0.9369	2.8407	0.8432	0.1568	*
wP[34, 2]	-1.6153	-1.5981	1.8874	-5.3754	2.0458	0.1935	0.8065	*
wP[34, 3]	-1.7911	-1.7076	1.4636	-4.9057	0.8601	0.1002	0.8998	*
wP[34, 4]	-2.6356	-2.5785	1.1785	-5.1400	-0.4644	0.0083	0.9917	*
wP[34, 5]	0.0296	0.0153	0.9597	-1.8212	1.9484	0.5061	0.4939	
wP[34, 6]	-2.6207	-2.6169	0.8980	-4.4061	-0.8609	0.0019	0.9981	*
wP[34, 7]	3.3988	3.4111	0.9362	1.5162	5.2058	0.9997	0.0003	*
wP[35, 2]	0.7752	0.7708	2.1388	-3.3959	4.9699	0.6428	0.3572	
wP[35, 3]	0.6468	0.6441	2.0348	-3.3505	4.5991	0.6244	0.3756	
wP[35, 4]	1.6234	1.6076	2.0921	-2.4515	5.7701	0.7827	0.2173	*
wP[35, 5]	-2.3513	-2.3398	2.1008	-6.5221	1.7208	0.1310	0.8690	*
wP[35, 6]	-0.0653	-0.0522	2.1167	-4.2578	4.0733	0.4902	0.5098	
wP[35, 7]	-0.0106	-0.0094	2.6877	-5.2659	5.3025	0.4986	0.5014	
wP[36, 2]	4.6088	4.6089	1.1763	2.2695	6.9468	0.9998	0.0002	*
wP[36, 3]	0.6795	0.6932	0.7605	-0.8341	2.1351	0.8253	0.1747	*
wP[36, 4]	3.3023	3.3110	1.0633	1.1897	5.3767	0.9986	0.0014	*
wP[37, 2]	-2.5571	-2.5356	2.1464	-6.8292	1.6007	0.1149	0.8851	*
wP[37, 3]	0.8342	0.8395	2.1121	-3.3207	4.9574	0.6542	0.3458	*
wP[37, 4]	1.6579	1.6624	2.1171	-2.4974	5.8242	0.7843	0.2157	*
wP[37, 5]	1.0466	1.0500	2.0353	-2.9535	5.0160	0.6986	0.3014	*
wP[37, 6]	5.5008	5.4498	1.0789	3.5220	7.7497	1.0000	0.0000	*
wP[37, 7]	7.6808	7.6545	0.8613	6.0772	9.4531	1.0000	0.0000	*

wP[38, 2]	-1.7252	-1.7113	2.0839	-5.8678	2.3152	0.2033	0.7967	*
wP[38, 3]	0.1429	0.1911	1.9289	-3.7813	3.7466	0.5377	0.4623	
wP[38, 4]	-0.4391	-0.3730	2.2864	-5.0792	3.7703	0.4364	0.5636	
wP[38, 5]	-1.6611	-1.6387	2.3057	-6.2400	2.8167	0.2356	0.7644	*
wP[38, 6]	-0.1412	-0.0999	2.2115	-4.6237	4.0764	0.4817	0.5183	
wP[38, 7]	-0.2647	-0.2601	2.6300	-5.4755	4.8971	0.4590	0.5410	
wP[39, 2]	-1.3172	-1.3069	2.1385	-5.5481	2.8782	0.2659	0.7341	*
wP[39, 3]	-0.5478	-0.5448	2.0881	-4.6846	3.5301	0.3962	0.6038	
wP[39, 4]	-1.1447	-1.1411	2.0688	-5.2530	2.8887	0.2898	0.7102	*
wP[39, 5]	1.6735	1.6759	2.0960	-2.4573	5.7908	0.7891	0.2109	*
wP[39, 6]	-0.6328	-0.6296	2.1657	-4.8820	3.6169	0.3848	0.6152	
wP[39, 7]	-0.1492	-0.0882	2.5338	-5.2458	4.5878	0.4863	0.5137	
wP[40, 2]	-2.3594	-2.3384	2.0882	-6.5333	1.6897	0.1263	0.8737	*
wP[40, 3]	1.5189	1.5092	2.0568	-2.5120	5.5482	0.7716	0.2284	*
wP[40, 4]	2.5316	2.5170	2.0448	-1.4722	6.5512	0.8945	0.1055	*
wP[40, 5]	0.1917	0.2029	2.0527	-3.9007	4.2024	0.5401	0.4599	
wP[40, 6]	0.9400	1.0130	1.8575	-2.8998	4.3367	0.7019	0.2981	*
wP[40, 7]	-0.2588	-0.1773	2.5081	-5.3897	4.2570	0.4726	0.5274	
wP[41, 2]	1.7365	1.7371	2.1119	-2.3980	5.8940	0.7955	0.2045	*
wP[41, 3]	0.9331	0.9308	2.0144	-3.0304	4.8760	0.6778	0.3222	*
wP[41, 4]	-1.8231	-1.7960	2.0121	-5.8437	2.0545	0.1839	0.8161	*
wP[41, 5]	-2.7113	-2.6838	2.1576	-7.0108	1.4454	0.1030	0.8970	*
wP[41, 6]	0.8952	0.8942	2.0915	-3.1746	4.9976	0.6659	0.3341	*
wP[41, 7]	-0.0050	-0.0182	2.7030	-5.3629	5.2965	0.4976	0.5024	
wP[42, 2]	0.4040	0.3944	2.1751	-3.8376	4.6655	0.5741	0.4259	
wP[42, 3]	0.7826	0.7813	2.1704	-3.4776	5.0616	0.6407	0.3593	
wP[42, 4]	-1.2929	-1.2536	2.1006	-5.4999	2.7554	0.2690	0.7310	*
wP[42, 5]	-1.0572	-1.0499	2.0216	-5.0714	2.8938	0.2988	0.7012	*
wP[42, 6]	-1.0450	-1.0291	2.0793	-5.2027	2.9618	0.3090	0.6910	*
wP[42, 7]	-0.0235	-0.0107	2.6950	-5.3536	5.2363	0.4985	0.5015	
wP[43, 2]	1.0826	1.0959	2.0358	-2.9410	5.0361	0.7039	0.2961	*
wP[43, 3]	2.0278	2.0685	1.9365	-1.8785	5.6687	0.8509	0.1491	*
wP[43, 4]	2.1718	2.2621	1.3023	-0.6827	4.4959	0.9416	0.0584	*
wP[43, 5]	3.1339	3.1193	1.2383	0.7483	5.6269	0.9946	0.0054	*
wP[43, 6]	-1.2213	-1.2158	0.9869	-3.1816	0.7007	0.1060	0.8940	*
wP[43, 7]	0.5121	0.4921	2.4742	-4.3038	5.4069	0.5812	0.4188	
wP[44, 2]	-1.2064	-1.1890	2.1770	-5.5062	3.0136	0.2898	0.7102	*
wP[44, 3]	-0.2860	-0.2757	2.1126	-4.4913	3.8352	0.4466	0.5534	
wP[44, 4]	0.1370	0.1432	2.1197	-4.0262	4.3015	0.5272	0.4728	
wP[44, 5]	-0.0100	0.0056	2.6996	-5.3420	5.2679	0.5009	0.4991	
wP[44, 6]	0.0136	0.0103	2.7126	-5.3214	5.3794	0.5016	0.4984	
wP[44, 7]	0.0157	0.0207	2.7042	-5.3007	5.3366	0.5030	0.4970	
wP[45, 2]	-1.7775	-1.7658	2.1815	-6.0718	2.4809	0.2057	0.7943	*
wP[45, 3]	1.0198	1.0398	2.0791	-3.0893	5.0486	0.6908	0.3092	*
wP[45, 4]	0.8033	0.8214	2.0838	-3.3274	4.8176	0.6505	0.3495	*
wP[45, 5]	-3.2164	-3.1879	2.1452	-7.4921	0.9492	0.0659	0.9341	*
wP[45, 6]	-1.2534	-1.1855	2.0134	-5.3799	2.4904	0.2747	0.7253	*
wP[45, 7]	-0.0797	-0.0296	2.6180	-5.3568	4.9044	0.4953	0.5047	
wP[46, 2]	-0.6432	-0.6427	2.1645	-4.8761	3.6163	0.3828	0.6172	
wP[46, 3]	1.5413	1.5439	2.0867	-2.5439	5.6039	0.7709	0.2291	*

wP[46, 4]	-1.1155	-1.1203	2.0503	-5.1494	2.9100	0.2918	0.7082	*
wP[46, 5]	-0.6982	-0.7045	2.0894	-4.8025	3.4021	0.3667	0.6333	
wP[46, 6]	0.0634	0.0775	2.1046	-4.1146	4.1268	0.5145	0.4855	
wP[46, 7]	-0.2342	-0.1526	2.5236	-5.3751	4.4190	0.4754	0.5246	
wP[47, 2]	-0.3984	-0.3397	2.5151	-5.4853	4.3930	0.4455	0.5545	
wP[48, 2]	-1.1977	-1.1902	2.1208	-5.4019	2.9365	0.2853	0.7147	*
wP[48, 3]	-1.1040	-1.0911	2.0256	-5.1322	2.8006	0.2943	0.7057	*
wP[48, 4]	0.6825	0.7623	1.8754	-3.1777	4.1138	0.6536	0.3464	*
wP[48, 5]	-2.4967	-2.4778	2.1102	-6.7084	1.6101	0.1175	0.8825	*
wP[48, 6]	0.6019	0.6716	2.0108	-3.5230	4.3484	0.6276	0.3724	
wP[48, 7]	-0.2374	-0.1534	2.5225	-5.3464	4.4475	0.4764	0.5236	
wP[49, 2]	-0.2059	-0.1879	2.2039	-4.5676	4.0887	0.4655	0.5345	
wP[49, 3]	-0.7826	-0.7876	2.1669	-5.0622	3.4598	0.3580	0.6420	
wP[49, 4]	0.6929	0.7392	1.9128	-3.2056	4.3175	0.6493	0.3507	
wP[49, 5]	-0.9496	-0.9414	2.0366	-4.9939	2.9917	0.3216	0.6784	*
wP[49, 6]	0.8112	0.7815	1.4000	-1.8549	3.6439	0.7165	0.2835	*
wP[49, 7]	1.7553	1.7449	1.2972	-0.7465	4.3531	0.9144	0.0856	*
wP[50, 2]	-1.0767	-1.0603	2.1378	-5.3120	3.0721	0.3069	0.6931	*
wP[50, 3]	-1.5031	-1.4840	2.1299	-5.7052	2.6602	0.2378	0.7622	*
wP[50, 4]	-1.0296	-1.0237	2.0765	-5.1421	3.0326	0.3094	0.6906	*
wP[50, 5]	0.0603	0.0746	2.1198	-4.1279	4.1794	0.5147	0.4853	
wP[50, 6]	-0.1064	-0.0986	2.1534	-4.3496	4.1256	0.4809	0.5191	
wP[50, 7]	-0.0239	-0.0169	2.6882	-5.3653	5.2039	0.4976	0.5024	
wA[1, 2]	-0.1498	-0.1488	0.1349	-0.4181	0.1118	0.1319	0.8681	*
wA[1, 3]	-0.1675	-0.1689	0.2394	-0.6298	0.3108	0.2396	0.7604	*
wA[1, 4]	-0.1574	-0.1592	0.2331	-0.6098	0.3030	0.2492	0.7508	*
wA[1, 5]	-0.0388	-0.0393	0.2394	-0.5059	0.4352	0.4354	0.5646	
wA[1, 6]	0.3185	0.3134	0.2330	-0.1227	0.7890	0.9166	0.0834	*
wA[1, 7]	-0.2430	-0.2461	0.2459	-0.7131	0.2464	0.1620	0.8380	*
wA[2, 2]	0.5421	0.5424	0.1252	0.2956	0.7878	0.9999	0.0001	*
wA[2, 3]	-0.3377	-0.3407	0.2364	-0.7969	0.1302	0.0783	0.9217	*
wA[2, 4]	0.0119	0.0065	0.2263	-0.4158	0.4697	0.5122	0.4878	
wA[2, 5]	-0.3878	-0.3945	0.2447	-0.8484	0.1067	0.0611	0.9389	*
wA[2, 6]	0.3261	0.3206	0.2329	-0.1133	0.7952	0.9228	0.0772	*
wA[2, 7]	-0.4685	-0.4707	0.2568	-0.9665	0.0407	0.0340	0.9660	*
wA[3, 2]	-0.0151	-0.0145	0.1918	-0.3923	0.3576	0.4698	0.5302	
wA[3, 3]	0.1033	0.1048	0.3571	-0.5946	0.8007	0.6149	0.3851	
wA[3, 4]	-0.1072	-0.1084	0.3506	-0.7958	0.5808	0.3792	0.6208	
wA[3, 5]	-0.3007	-0.2988	0.3465	-0.9844	0.3768	0.1920	0.8080	*
wA[3, 6]	-0.1701	-0.1701	0.3214	-0.7991	0.4588	0.2981	0.7019	*
wA[3, 7]	-0.0530	-0.0583	0.2509	-0.5305	0.4521	0.4083	0.5917	
wA[4, 2]	-0.3392	-0.3375	0.1854	-0.7084	0.0203	0.0322	0.9678	*
wA[4, 3]	0.3017	0.2928	0.2225	-0.1059	0.7616	0.9185	0.0815	*
wA[4, 4]	0.3035	0.2953	0.2093	-0.0879	0.7377	0.9337	0.0663	*
wA[4, 5]	-0.1498	-0.1496	0.3190	-0.7773	0.4760	0.3177	0.6823	*
wA[4, 6]	0.2504	0.2477	0.2449	-0.2194	0.7380	0.8469	0.1531	*
wA[4, 7]	0.1962	0.1920	0.1864	-0.1595	0.5747	0.8566	0.1434	*
wA[5, 2]	-0.1219	-0.1222	0.2118	-0.5399	0.2922	0.2810	0.7190	*
wA[5, 3]	-0.1700	-0.1695	0.1252	-0.4173	0.0742	0.0853	0.9147	*
wA[5, 4]	0.1222	0.1233	0.1506	-0.1729	0.4173	0.7915	0.2085	*

wA[5, 5]	-0.2834	-0.2824	0.1324	-0.5447	-0.0247	0.0159	0.9841	*
wA[5, 6]	-0.0811	-0.0813	0.1993	-0.4731	0.3088	0.3424	0.6576	*
wA[5, 7]	-0.1548	-0.1549	0.1698	-0.4891	0.1777	0.1813	0.8187	*
wA[6, 2]	-0.5458	-0.5468	0.2944	-1.1208	0.0357	0.0329	0.9671	*
wA[6, 3]	0.0890	0.0814	0.2327	-0.3468	0.5651	0.6373	0.3627	
wA[6, 4]	-0.1125	-0.1194	0.2227	-0.5289	0.3394	0.3017	0.6983	*
wA[6, 5]	-0.3338	-0.3371	0.2359	-0.7835	0.1365	0.0805	0.9195	*
wA[6, 6]	0.4989	0.4919	0.2065	0.1128	0.9222	0.9949	0.0051	*
wA[6, 7]	-0.1495	-0.1523	0.2443	-0.6221	0.3391	0.2665	0.7335	*
wA[7, 2]	0.0035	0.0034	0.1215	-0.2356	0.2433	0.5110	0.4890	
wA[7, 3]	0.1323	0.1303	0.2516	-0.3581	0.6289	0.7003	0.2997	*
wA[7, 4]	0.1777	0.1757	0.2521	-0.3125	0.6791	0.7582	0.2418	*
wA[7, 5]	0.0303	0.0287	0.2492	-0.4529	0.5250	0.5444	0.4556	
wA[7, 6]	-0.0938	-0.0951	0.2565	-0.5945	0.4112	0.3563	0.6437	
wA[7, 7]	0.0644	0.0626	0.2556	-0.4344	0.5660	0.5976	0.4024	
wA[8, 2]	-0.0759	-0.0752	0.1398	-0.3522	0.1974	0.2941	0.7059	*
wA[8, 3]	0.2368	0.2349	0.2372	-0.2246	0.7081	0.8432	0.1568	*
wA[8, 4]	0.3977	0.3967	0.2453	-0.0776	0.8810	0.9486	0.0514	*
wA[8, 5]	0.1739	0.1712	0.2403	-0.2867	0.6531	0.7610	0.2390	*
wA[8, 6]	0.0215	0.0201	0.2514	-0.4689	0.5171	0.5319	0.4681	
wA[8, 7]	0.5150	0.5126	0.2144	0.0992	0.9405	0.9928	0.0072	*
wA[9, 2]	-0.0588	-0.0581	0.1299	-0.3182	0.1933	0.3266	0.6734	*
wA[9, 3]	-0.2228	-0.2241	0.2469	-0.7034	0.2630	0.1840	0.8160	*
wA[9, 4]	-0.0791	-0.0834	0.2308	-0.5166	0.3849	0.3599	0.6401	
wA[9, 5]	0.0195	0.0149	0.2332	-0.4231	0.4865	0.5249	0.4751	
wA[9, 6]	-0.2917	-0.2949	0.2429	-0.7582	0.1910	0.1158	0.8842	*
wA[9, 7]	-0.0529	-0.0595	0.2170	-0.4589	0.3967	0.3912	0.6088	
wA[10, 2]	-0.2137	-0.2126	0.1294	-0.4727	0.0361	0.0471	0.9529	*
wA[10, 3]	-0.1263	-0.1264	0.2537	-0.6246	0.3698	0.3099	0.6901	*
wA[10, 4]	0.1101	0.1062	0.2402	-0.3457	0.5912	0.6704	0.3296	*
wA[10, 5]	-0.0944	-0.0965	0.2521	-0.5816	0.4074	0.3516	0.6484	
wA[10, 6]	0.0012	0.0036	0.3795	-0.7440	0.7444	0.5037	0.4963	
wA[10, 7]	-0.0003	0.0001	0.3796	-0.7470	0.7479	0.5001	0.4999	
wA[11, 2]	0.3274	0.3266	0.1451	0.0454	0.6151	0.9883	0.0117	*
wA[11, 3]	-0.1230	-0.1214	0.1072	-0.3388	0.0817	0.1196	0.8804	*
wA[11, 4]	0.0678	0.0677	0.1081	-0.1437	0.2800	0.7372	0.2628	*
wA[11, 5]	0.1227	0.1232	0.1164	-0.1054	0.3521	0.8551	0.1449	*
wA[11, 6]	-0.3587	-0.3586	0.0995	-0.5536	-0.1636	0.0002	0.9998	*
wA[11, 7]	-0.0097	-0.0098	0.1002	-0.2049	0.1882	0.4610	0.5390	
wA[12, 2]	0.2802	0.2784	0.1284	0.0330	0.5367	0.9872	0.0128	*
wA[12, 3]	0.5670	0.5677	0.1801	0.2147	0.9150	0.9933	0.0067	*
wA[12, 4]	0.1362	0.1360	0.1440	-0.1440	0.4172	0.8310	0.1690	*
wA[12, 5]	0.6521	0.6491	0.1439	0.3764	0.9428	1.0000	0.0000	*
wA[12, 6]	-0.3229	-0.3210	0.1341	-0.5904	-0.0654	0.0069	0.9931	*
wA[12, 7]	0.5397	0.5397	0.1009	0.3432	0.7387	1.0000	0.0000	*
wA[13, 2]	0.0930	0.0933	0.1226	-0.1499	0.3323	0.7785	0.2215	*
wA[13, 3]	-0.2491	-0.2504	0.2510	-0.7414	0.2485	0.1589	0.8411	*
wA[13, 4]	0.1054	0.1046	0.2501	-0.3859	0.5939	0.6639	0.3361	*
wA[14, 2]	0.0664	0.0685	0.1253	-0.1834	0.3079	0.7060	0.2940	*
wA[14, 3]	-0.0939	-0.0906	0.2549	-0.6036	0.3993	0.3594	0.6406	

wA[14, 4]	-0.1102	-0.1110	0.2486	-0.5990	0.3793	0.3306	0.6694	*
wA[14, 5]	-0.1407	-0.1414	0.2492	-0.6274	0.3527	0.2842	0.7158	*
wA[14, 6]	0.5467	0.5443	0.2385	0.0819	1.0174	0.9899	0.0101	*
wA[14, 7]	0.3723	0.3756	0.1714	0.0256	0.6990	0.9823	0.0177	*
wA[15, 2]	-0.0225	-0.0215	0.1247	-0.2692	0.2211	0.4301	0.5699	
wA[15, 3]	-0.3037	-0.3041	0.2404	-0.7755	0.1695	0.1020	0.8980	*
wA[15, 4]	-0.3244	-0.3262	0.2505	-0.8114	0.1668	0.0991	0.9009	*
wA[15, 5]	0.0829	0.0823	0.2443	-0.3923	0.5641	0.6333	0.3667	
wA[15, 6]	-0.1738	-0.1739	0.2660	-0.6939	0.3506	0.2531	0.7469	*
wA[15, 7]	0.4271	0.4285	0.2568	-0.0793	0.9257	0.9507	0.0493	*
wA[16, 2]	-0.0229	-0.0231	0.1266	-0.2717	0.2250	0.4279	0.5721	
wA[16, 3]	-0.1513	-0.1530	0.2553	-0.6498	0.3531	0.2751	0.7249	*
wA[16, 4]	0.2989	0.2980	0.2540	-0.1990	0.8006	0.8815	0.1185	*
wA[16, 5]	-0.0793	-0.0776	0.2650	-0.6027	0.4346	0.3824	0.6176	
wA[16, 6]	-0.2473	-0.2489	0.2500	-0.7337	0.2461	0.1614	0.8386	*
wA[16, 7]	0.1801	0.1794	0.2512	-0.3114	0.6753	0.7633	0.2367	*
wA[17, 2]	-0.1043	-0.1032	0.1278	-0.3585	0.1447	0.2056	0.7944	*
wA[17, 3]	-0.2472	-0.2488	0.2466	-0.7252	0.2431	0.1578	0.8422	*
wA[17, 4]	-0.0605	-0.0609	0.2514	-0.5511	0.4352	0.4042	0.5958	
wA[17, 5]	-0.2898	-0.2918	0.2485	-0.7740	0.2015	0.1227	0.8773	*
wA[17, 6]	-0.3492	-0.3491	0.2579	-0.8530	0.1590	0.0875	0.9125	*
wA[17, 7]	0.3784	0.3722	0.2284	-0.0525	0.8438	0.9557	0.0443	*
wA[18, 2]	0.2956	0.2951	0.1841	-0.0665	0.6572	0.9456	0.0544	*
wA[18, 3]	-0.2636	-0.2646	0.1186	-0.4950	-0.0289	0.0139	0.9861	*
wA[18, 4]	0.1781	0.1790	0.1473	-0.1118	0.4672	0.8874	0.1126	*
wA[18, 5]	-0.6578	-0.6572	0.1486	-0.9492	-0.3672	0.0000	1.0000	*
wA[18, 6]	-0.3675	-0.3681	0.1309	-0.6229	-0.1094	0.0031	0.9969	*
wA[19, 2]	-0.0229	-0.0232	0.1693	-0.3579	0.3089	0.4446	0.5554	
wA[19, 3]	-0.1705	-0.1746	0.2859	-0.7168	0.4006	0.2740	0.7260	*
wA[19, 4]	0.0832	0.0790	0.2585	-0.4133	0.6013	0.6215	0.3785	
wA[19, 5]	-0.1013	-0.1035	0.2505	-0.5893	0.3923	0.3415	0.6585	*
wA[19, 6]	-0.4455	-0.4474	0.2633	-0.9587	0.0736	0.0459	0.9541	*
wA[19, 7]	-0.0846	-0.0855	0.3418	-0.7493	0.5902	0.4012	0.5988	
wA[20, 2]	0.6800	0.6807	0.1235	0.4352	0.9206	1.0000	0.0000	*
wA[20, 3]	0.0168	0.0142	0.2567	-0.4864	0.5235	0.5228	0.4772	
wA[20, 4]	0.0552	0.0526	0.2617	-0.4530	0.5720	0.5799	0.4201	
wA[20, 5]	0.0989	0.0992	0.2524	-0.3932	0.5975	0.6527	0.3473	*
wA[20, 6]	-0.0924	-0.0940	0.2574	-0.5938	0.4174	0.3572	0.6428	
wA[20, 7]	0.2770	0.2787	0.2697	-0.2573	0.8006	0.8477	0.1523	*
wA[21, 2]	0.0723	0.0729	0.1215	-0.1689	0.3087	0.7256	0.2744	*
wA[21, 3]	-0.0280	-0.0298	0.2444	-0.5047	0.4545	0.4515	0.5485	
wA[21, 4]	0.1627	0.1642	0.2375	-0.3076	0.6259	0.7556	0.2444	*
wA[21, 5]	-0.3935	-0.3944	0.2400	-0.8583	0.0809	0.0509	0.9491	*
wA[21, 6]	-0.4910	-0.4918	0.2529	-0.9828	0.0050	0.0262	0.9738	*
wA[21, 7]	-0.0444	-0.0451	0.2570	-0.5486	0.4645	0.4301	0.5699	
wA[22, 2]	0.4689	0.4703	0.1219	0.2271	0.7057	0.9999	0.0001	*
wA[22, 3]	-0.1802	-0.1823	0.2535	-0.6692	0.3232	0.2382	0.7618	*
wA[22, 4]	0.0913	0.0920	0.2387	-0.3791	0.5598	0.6504	0.3496	*
wA[22, 5]	-0.1924	-0.1936	0.2416	-0.6627	0.2855	0.2105	0.7895	*
wA[22, 6]	-0.4416	-0.4429	0.2598	-0.9480	0.0716	0.0453	0.9547	*

wA[22, 7]	-0.0423	-0.0412	0.2533	-0.5404	0.4500	0.4357	0.5643	
wA[23, 2]	-0.3579	-0.3574	0.1395	-0.6337	-0.0846	0.0050	0.9950	*
wA[23, 3]	0.3067	0.3061	0.2501	-0.1798	0.8007	0.8907	0.1093	*
wA[23, 4]	0.4391	0.4395	0.2595	-0.0681	0.9502	0.9552	0.0448	*
wA[23, 5]	-0.1804	-0.1822	0.2488	-0.6653	0.3121	0.2320	0.7680	*
wA[23, 6]	-0.1346	-0.1367	0.2509	-0.6280	0.3605	0.2940	0.7060	*
wA[23, 7]	-0.2462	-0.2470	0.2626	-0.7580	0.2704	0.1742	0.8258	*
wA[24, 2]	-0.3616	-0.3624	0.1206	-0.5968	-0.1236	0.0017	0.9983	*
wA[24, 3]	-0.1652	-0.1664	0.2566	-0.6679	0.3429	0.2570	0.7430	*
wA[24, 4]	0.1692	0.1683	0.2579	-0.3341	0.6777	0.7428	0.2572	*
wA[24, 5]	0.1267	0.1254	0.2554	-0.3728	0.6282	0.6886	0.3114	*
wA[24, 6]	-0.3969	-0.3972	0.2618	-0.9038	0.1199	0.0657	0.9343	*
wA[24, 7]	0.2789	0.2812	0.2595	-0.2339	0.7890	0.8572	0.1428	*
wA[25, 2]	0.0020	0.0020	0.3809	-0.7417	0.7533	0.5022	0.4978	
wA[26, 2]	-0.5114	-0.5104	0.1262	-0.7622	-0.2660	0.0000	1.0000	*
wA[26, 3]	-0.3029	-0.3046	0.2637	-0.8165	0.2168	0.1259	0.8741	*
wA[26, 4]	0.0077	0.0047	0.2605	-0.4994	0.5215	0.5074	0.4926	
wA[26, 5]	-0.0534	-0.0548	0.2552	-0.5493	0.4513	0.4154	0.5846	
wA[26, 6]	-0.5500	-0.5514	0.2695	-1.0753	-0.0212	0.0213	0.9787	*
wA[26, 7]	-0.0729	-0.0734	0.2639	-0.5903	0.4429	0.3897	0.6103	
wA[27, 2]	-0.7323	-0.7315	0.1221	-0.9744	-0.4940	0.0000	1.0000	*
wA[27, 3]	-0.1664	-0.1683	0.2612	-0.6767	0.3487	0.2604	0.7396	*
wA[27, 4]	-0.1297	-0.1305	0.2605	-0.6367	0.3839	0.3100	0.6900	*
wA[27, 5]	-0.0678	-0.0680	0.2545	-0.5606	0.4363	0.3938	0.6062	
wA[27, 6]	-0.2534	-0.2545	0.2656	-0.7757	0.2720	0.1688	0.8312	*
wA[27, 7]	0.0001	0.0018	0.3816	-0.7497	0.7455	0.5019	0.4981	
wA[28, 2]	-0.2063	-0.2056	0.1147	-0.4337	0.0167	0.0351	0.9649	*
wA[28, 3]	0.1138	0.1164	0.2587	-0.4015	0.6170	0.6733	0.3267	*
wA[28, 4]	0.4497	0.4453	0.2198	0.0309	0.8930	0.9824	0.0176	*
wA[28, 5]	-0.0080	-0.0037	0.1658	-0.3463	0.3056	0.4916	0.5084	
wA[28, 6]	-0.1468	-0.1470	0.1648	-0.4673	0.1781	0.1861	0.8139	*
wA[28, 7]	0.3524	0.3524	0.1777	0.0030	0.6968	0.9756	0.0244	*
wA[29, 2]	0.2113	0.2097	0.1280	-0.0350	0.4681	0.9532	0.0468	*
wA[29, 3]	0.6004	0.5977	0.2414	0.1345	1.0812	0.9937	0.0063	*
wA[29, 4]	0.5720	0.5675	0.2225	0.1486	1.0244	0.9963	0.0037	*
wA[29, 5]	0.2953	0.2885	0.1740	-0.0307	0.6565	0.9607	0.0393	*
wA[29, 6]	0.0222	0.0151	0.2246	-0.3969	0.4785	0.5262	0.4738	
wA[29, 7]	0.0896	0.0898	0.1637	-0.2333	0.4139	0.7123	0.2877	*
wA[30, 2]	-0.0522	-0.0524	0.1754	-0.3921	0.2950	0.3809	0.6191	
wA[30, 3]	0.2347	0.2176	0.1877	-0.0785	0.6419	0.9080	0.0920	*
wA[30, 4]	0.2789	0.2709	0.2076	-0.1057	0.7106	0.9171	0.0829	*
wA[30, 5]	0.0324	0.0269	0.1861	-0.3183	0.4150	0.5592	0.4408	
wA[30, 6]	-0.1647	-0.1654	0.2634	-0.6791	0.3505	0.2668	0.7332	*
wA[30, 7]	0.3415	0.3379	0.2091	-0.0581	0.7636	0.9521	0.0479	*
wA[31, 2]	-0.4311	-0.4321	0.1235	-0.6702	-0.1861	0.0005	0.9995	*
wA[31, 3]	-0.0245	-0.0213	0.2915	-0.6002	0.5368	0.4710	0.5290	
wA[31, 4]	-0.2813	-0.2832	0.2694	-0.8032	0.2488	0.1484	0.8516	*
wA[31, 5]	-0.2191	-0.2194	0.2527	-0.7150	0.2795	0.1914	0.8086	*
wA[31, 6]	0.0417	0.0414	0.2419	-0.4318	0.5117	0.5668	0.4332	
wA[31, 7]	0.2195	0.2175	0.2522	-0.2729	0.7186	0.8101	0.1899	*

wA[32, 2]	-0.2585	-0.2598	0.1271	-0.5042	-0.0053	0.0227	0.9773	*
wA[32, 3]	-0.0949	-0.1033	0.2403	-0.5392	0.3913	0.3386	0.6614	*
wA[32, 4]	-0.1708	-0.1692	0.3332	-0.8250	0.4829	0.3042	0.6958	*
wA[32, 5]	-0.3313	-0.3345	0.2708	-0.8552	0.2049	0.1114	0.8886	*
wA[32, 6]	-0.5206	-0.5229	0.2750	-1.0544	0.0233	0.0304	0.9696	*
wA[32, 7]	0.4700	0.4665	0.2450	0.0016	0.9619	0.9754	0.0246	*
wA[33, 2]	-0.0197	-0.0188	0.1225	-0.2634	0.2182	0.4381	0.5619	
wA[33, 3]	-0.0773	-0.0791	0.2307	-0.5181	0.3792	0.3681	0.6319	
wA[33, 4]	0.3535	0.3493	0.2207	-0.0679	0.7956	0.9483	0.0517	*
wA[33, 5]	0.6992	0.6968	0.1987	0.3176	1.0991	0.9997	0.0003	*
wA[33, 6]	-0.4182	-0.4155	0.1569	-0.7341	-0.1175	0.0028	0.9972	*
wA[34, 2]	0.0206	0.0195	0.2651	-0.5023	0.5439	0.5290	0.4710	
wA[34, 3]	0.4064	0.4039	0.2012	0.0212	0.8093	0.9813	0.0187	*
wA[34, 4]	0.6786	0.6714	0.1685	0.3670	1.0322	1.0000	0.0000	*
wA[34, 5]	0.4998	0.4986	0.1556	0.1962	0.8139	0.9990	0.0010	*
wA[34, 6]	0.2157	0.2170	0.1307	-0.0447	0.4681	0.9486	0.0514	*
wA[34, 7]	0.5829	0.5844	0.0990	0.3835	0.7723	1.0000	0.0000	*
wA[35, 2]	-0.4269	-0.4260	0.1274	-0.6811	-0.1803	0.0004	0.9996	*
wA[35, 3]	-0.0990	-0.0998	0.2500	-0.5860	0.3942	0.3450	0.6550	*
wA[35, 4]	0.1288	0.1271	0.2445	-0.3468	0.6109	0.7004	0.2996	*
wA[35, 5]	-0.1595	-0.1570	0.2494	-0.6517	0.3269	0.2612	0.7388	*
wA[35, 6]	-0.6770	-0.6793	0.2681	-1.1996	-0.1452	0.0062	0.9938	*
wA[35, 7]	0.1309	0.1315	0.2589	-0.3774	0.6325	0.6958	0.3042	*
wA[36, 2]	1.1433	1.1437	0.1203	0.9050	1.3776	1.0000	0.0000	*
wA[36, 3]	-0.4003	-0.4032	0.1131	-0.6152	-0.1703	0.0007	0.9993	*
wA[36, 4]	0.8683	0.8689	0.1083	0.6530	1.0775	1.0000	0.0000	*
wA[37, 2]	-0.1585	-0.1556	0.1510	-0.4604	0.1291	0.1441	0.8559	*
wA[37, 3]	-0.1670	-0.1669	0.2521	-0.6642	0.3251	0.2533	0.7467	*
wA[37, 4]	0.1780	0.1789	0.2568	-0.3271	0.6814	0.7563	0.2437	*
wA[37, 5]	0.1213	0.1195	0.2555	-0.3784	0.6259	0.6809	0.3191	*
wA[37, 6]	0.4307	0.4306	0.2353	-0.0274	0.8953	0.9677	0.0323	*
wA[37, 7]	0.3927	0.3963	0.1701	0.0500	0.7182	0.9873	0.0127	*
wA[38, 2]	0.2196	0.2201	0.1268	-0.0305	0.4679	0.9576	0.0424	*
wA[38, 3]	-0.3004	-0.3019	0.2490	-0.7852	0.1929	0.1150	0.8850	*
wA[38, 4]	0.0550	0.0509	0.2331	-0.3916	0.5203	0.5861	0.4139	
wA[38, 5]	-0.2301	-0.2311	0.3427	-0.9024	0.4393	0.2511	0.7489	*
wA[38, 6]	-0.5621	-0.5629	0.2842	-1.1150	-0.0023	0.0246	0.9754	*
wA[38, 7]	-0.2075	-0.2109	0.2940	-0.7719	0.3773	0.2379	0.7621	*
wA[39, 2]	-0.0975	-0.0974	0.1270	-0.3470	0.1538	0.2181	0.7819	*
wA[39, 3]	-0.0439	-0.0446	0.2455	-0.5228	0.4436	0.4291	0.5709	
wA[39, 4]	-0.0907	-0.0913	0.2498	-0.5795	0.3992	0.3570	0.6430	
wA[39, 5]	-0.0161	-0.0163	0.2453	-0.4963	0.4644	0.4736	0.5264	
wA[39, 6]	0.2032	0.2025	0.2510	-0.2854	0.6946	0.7900	0.2100	*
wA[39, 7]	-0.3215	-0.3234	0.2567	-0.8169	0.1908	0.1059	0.8941	*
wA[40, 2]	-0.0394	-0.0385	0.1254	-0.2882	0.2056	0.3767	0.6233	
wA[40, 3]	-0.3782	-0.3813	0.2432	-0.8513	0.1046	0.0614	0.9386	*
wA[40, 4]	0.0583	0.0577	0.2455	-0.4167	0.5419	0.5917	0.4083	
wA[40, 5]	0.1363	0.1367	0.2416	-0.3371	0.6116	0.7137	0.2863	*
wA[40, 6]	-0.1584	-0.1601	0.2467	-0.6348	0.3293	0.2594	0.7406	*
wA[40, 7]	0.2533	0.2487	0.2297	-0.1798	0.7134	0.8652	0.1348	*

wA[41, 2]	-0.0566	-0.0561	0.1215	-0.2986	0.1804	0.3205	0.6795	*
wA[41, 3]	0.3064	0.3069	0.2442	-0.1716	0.7838	0.8942	0.1058	*
wA[41, 4]	0.2140	0.2121	0.2388	-0.2487	0.6875	0.8137	0.1863	*
wA[41, 5]	-0.2637	-0.2644	0.2427	-0.7382	0.2128	0.1400	0.8600	*
wA[41, 6]	-0.7541	-0.7546	0.2676	-1.2719	-0.2247	0.0028	0.9972	*
wA[41, 7]	0.1815	0.1841	0.2545	-0.3235	0.6739	0.7626	0.2374	*
wA[42, 2]	0.0639	0.0642	0.1261	-0.1829	0.3115	0.6967	0.3033	*
wA[42, 3]	0.5026	0.5068	0.2690	-0.0417	1.0184	0.9663	0.0337	*
wA[42, 4]	0.1977	0.1969	0.2699	-0.3300	0.7274	0.7686	0.2314	*
wA[42, 5]	-0.2974	-0.3047	0.2352	-0.7348	0.1818	0.1074	0.8926	*
wA[42, 6]	-0.3178	-0.3207	0.2438	-0.7902	0.1675	0.0968	0.9032	*
wA[42, 7]	-0.2087	-0.2097	0.2521	-0.7004	0.2899	0.2032	0.7968	*
wA[43, 2]	0.2893	0.2899	0.1271	0.0395	0.5391	0.9883	0.0117	*
wA[43, 3]	0.1806	0.1792	0.2379	-0.2783	0.6510	0.7729	0.2271	*
wA[43, 4]	0.9158	0.9108	0.2283	0.4812	1.3755	1.0000	0.0000	*
wA[43, 5]	0.6013	0.6000	0.2077	0.1972	1.0170	0.9983	0.0017	*
wA[43, 6]	0.1044	0.1056	0.1554	-0.2044	0.4042	0.7511	0.2489	*
wA[43, 7]	0.2674	0.2704	0.2462	-0.2261	0.7414	0.8628	0.1372	*
wA[44, 2]	-0.1866	-0.1859	0.1233	-0.4293	0.0557	0.0637	0.9363	*
wA[44, 3]	-0.1261	-0.1281	0.2563	-0.6241	0.3802	0.3082	0.6918	*
wA[44, 4]	-0.0118	-0.0126	0.2524	-0.5023	0.4859	0.4792	0.5208	
wA[44, 5]	0.0239	0.0242	0.2525	-0.4762	0.5196	0.5385	0.4615	
wA[44, 6]	-0.0015	-0.0015	0.3801	-0.7477	0.7467	0.4985	0.5015	
wA[44, 7]	0.0031	0.0032	0.3811	-0.7473	0.7513	0.5036	0.4964	
wA[45, 2]	-0.1779	-0.1779	0.1229	-0.4214	0.0629	0.0731	0.9269	*
wA[45, 3]	-0.0193	-0.0172	0.2644	-0.5439	0.4941	0.4750	0.5250	
wA[45, 4]	0.3385	0.3385	0.2491	-0.1448	0.8304	0.9124	0.0876	*
wA[45, 5]	-0.0190	-0.0217	0.2496	-0.4972	0.4754	0.4661	0.5339	
wA[45, 6]	-0.6605	-0.6623	0.2607	-1.1684	-0.1471	0.0058	0.9942	*
wA[45, 7]	-0.1197	-0.1233	0.2449	-0.5866	0.3691	0.3094	0.6906	*
wA[46, 2]	-0.2347	-0.2358	0.1300	-0.4867	0.0251	0.0372	0.9628	*
wA[46, 3]	-0.0842	-0.0849	0.2530	-0.5776	0.4148	0.3675	0.6325	
wA[46, 4]	0.3042	0.3044	0.2494	-0.1876	0.7930	0.8881	0.1119	*
wA[46, 5]	-0.3075	-0.3086	0.2439	-0.7845	0.1737	0.1043	0.8957	*
wA[46, 6]	-0.2929	-0.2914	0.2485	-0.7781	0.1937	0.1180	0.8820	*
wA[46, 7]	0.0243	0.0227	0.2502	-0.4638	0.5191	0.5357	0.4643	
wA[47, 2]	-0.0002	0.0001	0.3796	-0.7469	0.7445	0.5003	0.4997	
wA[48, 2]	-0.0569	-0.0582	0.1261	-0.3009	0.1927	0.3236	0.6764	*
wA[48, 3]	0.0982	0.0965	0.2446	-0.3724	0.5874	0.6528	0.3472	*
wA[48, 4]	0.2008	0.1990	0.2404	-0.2600	0.6818	0.7946	0.2054	*
wA[48, 5]	0.0986	0.0934	0.2331	-0.3438	0.5683	0.6570	0.3430	*
wA[48, 6]	-0.2671	-0.2693	0.2548	-0.7578	0.2396	0.1471	0.8529	*
wA[48, 7]	0.4150	0.4091	0.2467	-0.0496	0.9125	0.9589	0.0411	*
wA[49, 2]	-0.7600	-0.7578	0.1817	-1.1209	-0.4089	0.0000	1.0000	*
wA[49, 3]	-0.1153	-0.1162	0.2600	-0.6220	0.4009	0.3269	0.6731	*
wA[49, 4]	0.1961	0.1953	0.2653	-0.3178	0.7190	0.7683	0.2317	*
wA[49, 5]	0.3636	0.3572	0.2266	-0.0600	0.8260	0.9506	0.0494	*
wA[49, 6]	-0.0010	-0.0016	0.2536	-0.4935	0.5004	0.4975	0.5025	
wA[49, 7]	0.2208	0.2225	0.1818	-0.1396	0.5712	0.8867	0.1133	*
wA[50, 2]	-0.0791	-0.0800	0.1289	-0.3301	0.1759	0.2679	0.7321	*

wA[50, 3]	-0.2505	-0.2524	0.2480	-0.7336	0.2396	0.1561	0.8439	*
wA[50, 4]	-0.2072	-0.2092	0.2539	-0.7039	0.2951	0.2075	0.7925	*
wA[50, 5]	-0.1527	-0.1538	0.2465	-0.6315	0.3358	0.2651	0.7349	*
wA[50, 6]	0.0163	0.0155	0.2534	-0.4761	0.5151	0.5247	0.4753	
wA[50, 7]	-0.0060	-0.0059	0.2558	-0.5087	0.4989	0.4909	0.5091	
wIR[1, 1, 2]	-0.0415	-0.0462	0.4085	-0.8327	0.7786	0.4546	0.5454	
wIR[1, 2, 2]	0.7655	0.7740	0.4130	-0.0728	1.5561	0.9647	0.0353	*
wIR[1, 3, 2]	1.4396	1.4442	0.4784	0.4832	2.3685	0.9973	0.0027	*
wIR[1, 4, 2]	-1.3544	-1.3586	0.5601	-2.4521	-0.2474	0.0086	0.9914	*
wIR[1, 5, 2]	0.1354	0.1389	0.3696	-0.6015	0.8550	0.6462	0.3538	
wIR[1, 6, 2]	-0.3993	-0.4042	0.4347	-1.2355	0.4693	0.1764	0.8236	*
wIR[1, 1, 3]	-0.3854	-0.3960	0.3318	-1.0065	0.2907	0.1250	0.8750	*
wIR[1, 2, 3]	1.5055	1.5114	0.3497	0.7969	2.1761	0.9999	0.0001	*
wIR[1, 3, 3]	2.7792	2.7734	0.4160	1.9762	3.6113	1.0000	0.0000	*
wIR[1, 4, 3]	0.3061	0.3035	0.4054	-0.4841	1.1089	0.7763	0.2237	*
wIR[1, 5, 3]	-0.0087	-0.0047	0.2616	-0.5364	0.4940	0.4932	0.5068	
wIR[1, 6, 3]	-0.0211	-0.0242	0.3457	-0.6925	0.6724	0.4717	0.5283	
wIR[1, 1, 4]	-0.5936	-0.5916	0.2475	-1.0805	-0.1099	0.0083	0.9917	*
wIR[1, 2, 4]	0.2526	0.2528	0.2936	-0.3285	0.8277	0.8083	0.1917	*
wIR[1, 3, 4]	-0.9795	-0.9771	0.3554	-1.6885	-0.2871	0.0028	0.9972	*
wIR[1, 4, 4]	-1.1246	-1.1253	0.3084	-1.7304	-0.5155	0.0002	0.9998	*
wIR[1, 5, 4]	-0.2095	-0.2143	0.2346	-0.6574	0.2626	0.1835	0.8165	*
wIR[1, 6, 4]	-0.5471	-0.5516	0.3493	-1.2200	0.1548	0.0610	0.9390	*
wIR[1, 1, 5]	0.3573	0.3602	0.2563	-0.1501	0.8522	0.9170	0.0830	*
wIR[1, 2, 5]	-1.0826	-1.0870	0.3043	-1.6645	-0.4768	0.0003	0.9997	*
wIR[1, 3, 5]	0.5713	0.5683	0.3701	-0.1508	1.3114	0.9394	0.0606	*
wIR[1, 4, 5]	1.0627	1.0653	0.3273	0.4118	1.6958	0.9991	0.0009	*
wIR[1, 5, 5]	-0.5277	-0.5264	0.2319	-0.9861	-0.0761	0.0110	0.9890	*
wIR[1, 6, 5]	0.7550	0.7587	0.2861	0.1775	1.3010	0.9940	0.0060	*
wIR[1, 1, 6]	0.2190	0.2191	0.2800	-0.3289	0.7701	0.7833	0.2167	*
wIR[1, 2, 6]	-1.4814	-1.4869	0.3584	-2.1723	-0.7606	0.0002	0.9998	*
wIR[1, 3, 6]	-0.5967	-0.5965	0.3976	-1.3835	0.1804	0.0656	0.9344	*
wIR[1, 4, 6]	0.5413	0.5413	0.3659	-0.1787	1.2624	0.9309	0.0691	*
wIR[1, 5, 6]	-0.2715	-0.2724	0.2620	-0.7836	0.2417	0.1488	0.8512	*
wIR[1, 6, 6]	0.1598	0.1596	0.3189	-0.4625	0.7888	0.6914	0.3086	*
wIR[1, 1, 7]	1.1366	1.1376	0.2409	0.6589	1.6075	1.0000	0.0000	*
wIR[1, 2, 7]	0.8622	0.8603	0.2907	0.2955	1.4400	0.9985	0.0015	*
wIR[1, 3, 7]	1.1402	1.1374	0.3711	0.4184	1.8777	0.9985	0.0015	*
wIR[1, 4, 7]	1.3934	1.3911	0.2980	0.8074	1.9804	1.0000	0.0000	*
wIR[1, 5, 7]	0.9472	0.9453	0.2374	0.4899	1.4194	1.0000	0.0000	*
wIR[1, 6, 7]	0.4244	0.4219	0.3186	-0.1949	1.0550	0.9105	0.0895	*
wIR[2, 1, 2]	-0.6037	-0.6104	0.4396	-1.4520	0.2766	0.0862	0.9138	*
wIR[2, 2, 2]	-0.5624	-0.5497	0.5707	-1.7299	0.5272	0.1568	0.8432	*
wIR[2, 3, 2]	0.1118	0.1302	0.5143	-0.9537	1.0802	0.6017	0.3983	
wIR[2, 4, 2]	-1.8280	-1.8342	0.6533	-3.0928	-0.5303	0.0038	0.9962	*
wIR[2, 5, 2]	-0.3128	-0.3137	0.4200	-1.1326	0.5151	0.2252	0.7748	*
wIR[2, 6, 2]	-0.3783	-0.3829	0.4734	-1.2960	0.5669	0.2105	0.7895	*
wIR[2, 1, 3]	-0.8690	-0.8786	0.3461	-1.5205	-0.1638	0.0086	0.9914	*
wIR[2, 2, 3]	1.1954	1.1928	0.3575	0.4900	1.9012	0.9990	0.0010	*
wIR[2, 3, 3]	1.6811	1.6760	0.4267	0.8515	2.5336	0.9997	0.0003	*

wIR[2, 4, 3]	-0.1260	-0.1303	0.4231	-0.9423	0.7215	0.3779	0.6221	
wIR[2, 5, 3]	0.7375	0.7451	0.2813	0.1615	1.2730	0.9928	0.0072	*
wIR[2, 6, 3]	-0.4748	-0.4774	0.3457	-1.1534	0.2065	0.0828	0.9172	*
wIR[2, 1, 4]	0.6632	0.6655	0.2960	0.0746	1.2382	0.9862	0.0138	*
wIR[2, 2, 4]	-1.7664	-1.7633	0.3449	-2.4542	-1.1003	0.0000	1.0000	*
wIR[2, 3, 4]	-2.4866	-2.4798	0.4044	-3.2987	-1.7041	0.0000	1.0000	*
wIR[2, 4, 4]	0.0842	0.0908	0.3518	-0.6245	0.7579	0.6043	0.3957	
wIR[2, 5, 4]	-0.6242	-0.6264	0.2717	-1.1473	-0.0866	0.0114	0.9886	*
wIR[2, 6, 4]	-0.4355	-0.4360	0.3794	-1.1784	0.3105	0.1253	0.8747	*
wIR[2, 1, 5]	-0.1322	-0.1329	0.2994	-0.7213	0.4566	0.3276	0.6724	*
wIR[2, 2, 5]	1.0373	1.0324	0.3369	0.3884	1.7109	0.9992	0.0008	*
wIR[2, 3, 5]	0.7888	0.7871	0.3935	0.0193	1.5746	0.9781	0.0219	*
wIR[2, 4, 5]	1.2240	1.2173	0.3585	0.5414	1.9494	0.9997	0.0003	*
wIR[2, 5, 5]	1.4713	1.4761	0.2808	0.9093	2.0143	1.0000	0.0000	*
wIR[2, 6, 5]	0.3548	0.3588	0.3562	-0.3482	1.0497	0.8412	0.1588	*
wIR[2, 1, 6]	0.5124	0.5193	0.3093	-0.1108	1.1007	0.9479	0.0521	*
wIR[2, 2, 6]	-0.8028	-0.8044	0.3505	-1.4939	-0.1062	0.0122	0.9878	*
wIR[2, 3, 6]	1.9378	1.9371	0.4100	1.1357	2.7408	1.0000	0.0000	*
wIR[2, 4, 6]	1.4974	1.5028	0.3828	0.7220	2.2335	0.9999	0.0001	*
wIR[2, 5, 6]	-1.1243	-1.1264	0.2623	-1.6351	-0.6019	0.0000	1.0000	*
wIR[2, 6, 6]	-0.8892	-0.8907	0.3342	-1.5441	-0.2317	0.0038	0.9962	*
wIR[2, 1, 7]	0.3253	0.3338	0.3224	-0.3280	0.9335	0.8443	0.1557	*
wIR[2, 2, 7]	-0.6150	-0.6176	0.3545	-1.3044	0.0892	0.0425	0.9575	*
wIR[2, 3, 7]	0.2322	0.2346	0.4366	-0.6333	1.0845	0.7069	0.2931	*
wIR[2, 4, 7]	-1.4527	-1.4531	0.3694	-2.1696	-0.7222	0.0000	1.0000	*
wIR[2, 5, 7]	0.0806	0.0763	0.2944	-0.4862	0.6729	0.6051	0.3949	
wIR[2, 6, 7]	-0.7317	-0.7350	0.3576	-1.4248	-0.0298	0.0206	0.9794	*
wIR[3, 1, 2]	-0.7894	-0.7959	0.4777	-1.7128	0.1692	0.0510	0.9490	*
wIR[3, 2, 2]	1.7864	1.8048	0.6460	0.4647	3.0149	0.9949	0.0051	*
wIR[3, 3, 2]	1.4023	1.4171	0.5616	0.2442	2.4686	0.9899	0.0101	*
wIR[3, 4, 2]	-1.1430	-1.1525	0.7469	-2.5714	0.3515	0.0653	0.9347	*
wIR[3, 5, 2]	-0.1231	-0.1251	0.4513	-1.0148	0.7624	0.3905	0.6095	
wIR[3, 6, 2]	-0.2657	-0.2659	0.5173	-1.2786	0.7519	0.3028	0.6972	*
wIR[3, 1, 3]	-0.0787	-0.0782	0.8844	-1.8216	1.6607	0.4646	0.5354	
wIR[3, 2, 3]	-0.1863	-0.1855	1.4361	-3.0026	2.6467	0.4482	0.5518	
wIR[3, 3, 3]	-0.1223	-0.1213	1.7695	-3.6325	3.3587	0.4726	0.5274	
wIR[3, 4, 3]	-0.2508	-0.2505	1.1893	-2.6111	2.0837	0.4150	0.5850	
wIR[3, 5, 3]	0.0053	0.0119	0.7691	-1.5065	1.5168	0.5060	0.4940	
wIR[3, 6, 3]	0.0125	0.0146	0.7680	-1.4966	1.5239	0.5076	0.4924	
wIR[3, 1, 4]	-0.2325	-0.2329	0.8656	-1.9299	1.4603	0.3944	0.6056	
wIR[3, 2, 4]	-0.3511	-0.3524	1.3955	-3.1117	2.3862	0.3997	0.6003	
wIR[3, 3, 4]	-0.3120	-0.3097	1.7389	-3.7258	3.0909	0.4316	0.5684	
wIR[3, 4, 4]	-0.4152	-0.4173	1.1043	-2.5749	1.7652	0.3517	0.6483	
wIR[3, 5, 4]	-0.0494	-0.0505	0.7573	-1.5410	1.4347	0.4730	0.5270	
wIR[3, 6, 4]	-0.0261	-0.0239	0.7625	-1.5245	1.4727	0.4879	0.5121	
wIR[3, 1, 5]	-0.2200	-0.2239	0.8314	-1.8470	1.4055	0.3945	0.6055	
wIR[3, 2, 5]	-0.3819	-0.3851	1.3850	-3.0913	2.3235	0.3933	0.6067	
wIR[3, 3, 5]	-0.4248	-0.4252	1.7039	-3.7855	2.9206	0.4015	0.5985	
wIR[3, 4, 5]	-0.2330	-0.2332	1.0872	-2.3609	1.8870	0.4175	0.5825	
wIR[3, 5, 5]	-0.1950	-0.1960	0.6970	-1.5572	1.1666	0.3888	0.6112	

wIR[3, 6, 5]	-0.0495	-0.0466	0.7028	-1.4341	1.3299	0.4745	0.5255	
wIR[3, 1, 6]	-0.5370	-0.5442	0.4249	-1.3504	0.3197	0.1026	0.8974	*
wIR[3, 2, 6]	-1.6652	-1.6768	0.5750	-2.7533	-0.5038	0.0035	0.9965	*
wIR[3, 3, 6]	-1.5653	-1.5729	0.5551	-2.6375	-0.4468	0.0041	0.9959	*
wIR[3, 4, 6]	-0.6160	-0.6231	0.5856	-1.7508	0.5506	0.1445	0.8555	*
wIR[3, 5, 6]	-0.3940	-0.3917	0.3993	-1.1711	0.3901	0.1593	0.8407	*
wIR[3, 6, 6]	-0.1965	-0.2029	0.4989	-1.1593	0.8034	0.3415	0.6585	*
wIR[3, 1, 7]	0.6537	0.6545	0.3155	0.0306	1.2680	0.9804	0.0196	*
wIR[3, 2, 7]	1.8925	1.8944	0.3833	1.1363	2.6435	1.0000	0.0000	*
wIR[3, 3, 7]	3.0865	3.0868	0.4279	2.2470	3.9260	1.0000	0.0000	*
wIR[3, 4, 7]	-0.0154	-0.0172	0.4051	-0.8154	0.7858	0.4824	0.5176	
wIR[3, 5, 7]	0.3024	0.3028	0.2854	-0.2555	0.8683	0.8573	0.1427	*
wIR[3, 6, 7]	0.5378	0.5383	0.4111	-0.2675	1.3464	0.9054	0.0946	*
wIR[4, 1, 2]	-1.3223	-1.3307	0.4428	-2.1749	-0.4273	0.0024	0.9976	*
wIR[4, 2, 2]	-2.0131	-2.0087	0.4727	-2.9533	-1.0916	0.0001	0.9999	*
wIR[4, 3, 2]	-2.0232	-2.0179	0.5385	-3.1051	-0.9723	0.0002	0.9998	*
wIR[4, 4, 2]	-1.1498	-1.1525	0.6001	-2.3236	0.0365	0.0287	0.9713	*
wIR[4, 5, 2]	-0.2466	-0.2413	0.3937	-1.0352	0.5151	0.2660	0.7340	*
wIR[4, 6, 2]	-0.2844	-0.2855	0.4621	-1.1907	0.6241	0.2686	0.7314	*
wIR[4, 1, 3]	-0.6378	-0.6446	0.3773	-1.3633	0.1170	0.0481	0.9519	*
wIR[4, 2, 3]	-0.7600	-0.7560	0.4126	-1.5867	0.0388	0.0316	0.9684	*
wIR[4, 3, 3]	0.4468	0.4476	0.4889	-0.5155	1.4052	0.8232	0.1768	*
wIR[4, 4, 3]	0.4460	0.4514	0.4809	-0.5101	1.3740	0.8248	0.1752	*
wIR[4, 5, 3]	-0.3640	-0.3619	0.2967	-0.9599	0.2166	0.1071	0.8929	*
wIR[4, 6, 3]	0.8753	0.8768	0.3826	0.1213	1.6279	0.9882	0.0118	*
wIR[4, 1, 4]	-0.2075	-0.2089	0.3108	-0.8156	0.4072	0.2514	0.7486	*
wIR[4, 2, 4]	1.1097	1.1083	0.3868	0.3498	1.8665	0.9979	0.0021	*
wIR[4, 3, 4]	0.5965	0.6041	0.4442	-0.2917	1.4538	0.9090	0.0910	*
wIR[4, 4, 4]	-1.2885	-1.2923	0.3686	-2.0017	-0.5536	0.0004	0.9996	*
wIR[4, 5, 4]	-0.4103	-0.4127	0.2899	-0.9743	0.1603	0.0798	0.9202	*
wIR[4, 6, 4]	-0.9689	-0.9727	0.3711	-1.6926	-0.2306	0.0056	0.9944	*
wIR[4, 1, 5]	0.4103	0.4091	0.3622	-0.2965	1.1253	0.8717	0.1283	*
wIR[4, 2, 5]	0.5543	0.5564	0.4318	-0.2964	1.3971	0.8998	0.1002	*
wIR[4, 3, 5]	0.7890	0.7820	0.4975	-0.1647	1.7838	0.9463	0.0537	*
wIR[4, 4, 5]	1.7645	1.7558	0.4558	0.8923	2.6878	0.9999	0.0001	*
wIR[4, 5, 5]	1.0881	1.0886	0.3133	0.4676	1.7032	0.9997	0.0003	*
wIR[4, 6, 5]	0.1100	0.1080	0.3882	-0.6478	0.8759	0.6110	0.3890	
wIR[4, 1, 6]	0.8245	0.8282	0.3371	0.1562	1.4842	0.9916	0.0084	*
wIR[4, 2, 6]	1.6248	1.6256	0.4140	0.8063	2.4308	0.9999	0.0001	*
wIR[4, 3, 6]	-0.1744	-0.1724	0.4687	-1.1087	0.7390	0.3527	0.6473	
wIR[4, 4, 6]	0.8459	0.8474	0.4145	0.0288	1.6549	0.9787	0.0213	*
wIR[4, 5, 6]	0.6925	0.6921	0.3058	0.0915	1.2940	0.9879	0.0121	*
wIR[4, 6, 6]	-0.0889	-0.0885	0.3841	-0.8378	0.6742	0.4065	0.5935	
wIR[4, 1, 7]	-0.9631	-0.9672	0.3021	-1.5459	-0.3648	0.0007	0.9993	*
wIR[4, 2, 7]	0.3383	0.3373	0.3678	-0.3859	1.0623	0.8225	0.1775	*
wIR[4, 3, 7]	1.0402	1.0402	0.4224	0.2173	1.8725	0.9935	0.0065	*
wIR[4, 4, 7]	-0.6118	-0.6133	0.3847	-1.3659	0.1474	0.0566	0.9434	*
wIR[4, 5, 7]	-0.3801	-0.3796	0.2783	-0.9280	0.1650	0.0866	0.9134	*
wIR[4, 6, 7]	-0.1665	-0.1649	0.3641	-0.8845	0.5430	0.3250	0.6750	*
wIR[5, 1, 2]	0.1274	0.1263	0.5101	-0.8666	1.1330	0.5971	0.4029	

wIR[5, 2, 2]	0.8481	0.8614	0.6977	-0.5694	2.1853	0.8875	0.1125	*
wIR[5, 3, 2]	1.3187	1.3304	0.6644	-0.0335	2.5912	0.9722	0.0278	*
wIR[5, 4, 2]	-0.4489	-0.4548	0.7097	-1.8295	0.9368	0.2640	0.7360	*
wIR[5, 5, 2]	0.6235	0.6291	0.4886	-0.3520	1.5624	0.8981	0.1019	*
wIR[5, 6, 2]	-0.3027	-0.3030	0.5183	-1.3175	0.7181	0.2777	0.7223	*
wIR[5, 1, 3]	-0.6142	-0.6266	0.4240	-1.4154	0.2409	0.0749	0.9251	*
wIR[5, 2, 3]	-0.9450	-0.9444	0.4995	-1.9371	0.0377	0.0295	0.9705	*
wIR[5, 3, 3]	-1.0930	-1.1100	0.5866	-2.1947	0.0956	0.0350	0.9650	*
wIR[5, 4, 3]	0.4968	0.4935	0.5168	-0.5233	1.5173	0.8341	0.1659	*
wIR[5, 5, 3]	-0.2446	-0.2411	0.3460	-0.9315	0.4288	0.2387	0.7613	*
wIR[5, 6, 3]	-0.5323	-0.5314	0.4328	-1.3849	0.3153	0.1090	0.8910	*
wIR[5, 1, 4]	-0.3136	-0.3129	0.3498	-0.9997	0.3725	0.1851	0.8149	*
wIR[5, 2, 4]	-0.7879	-0.7855	0.4350	-1.6434	0.0674	0.0348	0.9652	*
wIR[5, 3, 4]	-2.9032	-2.8964	0.5135	-3.9299	-1.9139	0.0000	1.0000	*
wIR[5, 4, 4]	-0.5864	-0.5851	0.4373	-1.4517	0.2675	0.0891	0.9109	*
wIR[5, 5, 4]	-1.0217	-1.0240	0.3240	-1.6518	-0.3803	0.0010	0.9990	*
wIR[5, 6, 4]	-1.3456	-1.3525	0.4334	-2.1781	-0.4739	0.0016	0.9984	*
wIR[5, 1, 5]	-0.1828	-0.1815	0.3909	-0.9567	0.5760	0.3226	0.6774	*
wIR[5, 2, 5]	-3.3486	-3.3572	0.4825	-4.2682	-2.3803	0.0000	1.0000	*
wIR[5, 3, 5]	0.9980	0.9975	0.5257	-0.0368	2.0292	0.9710	0.0290	*
wIR[5, 4, 5]	-0.6745	-0.6728	0.4553	-1.5777	0.2137	0.0685	0.9315	*
wIR[5, 5, 5]	0.4035	0.4040	0.3241	-0.2357	1.0391	0.8936	0.1064	*
wIR[5, 6, 5]	0.8081	0.8149	0.4128	-0.0259	1.5975	0.9719	0.0281	*
wIR[5, 1, 6]	1.9477	1.9490	0.4525	1.0561	2.8282	1.0000	0.0000	*
wIR[5, 2, 6]	0.4795	0.4822	0.6228	-0.7417	1.7132	0.7801	0.2199	*
wIR[5, 3, 6]	-1.0321	-1.0196	0.6700	-2.3907	0.2449	0.0578	0.9422	*
wIR[5, 4, 6]	2.5557	2.5569	0.5459	1.4874	3.6248	1.0000	0.0000	*
wIR[5, 5, 6]	-0.2130	-0.2162	0.3953	-0.9879	0.5678	0.2937	0.7063	*
wIR[5, 6, 6]	-0.4783	-0.4758	0.4383	-1.3435	0.3745	0.1378	0.8622	*
wIR[5, 1, 7]	0.7061	0.7074	0.3678	-0.0195	1.4280	0.9719	0.0281	*
wIR[5, 2, 7]	0.2274	0.2226	0.4742	-0.6946	1.1623	0.6836	0.3164	*
wIR[5, 3, 7]	0.2508	0.2544	0.5686	-0.8866	1.3524	0.6741	0.3259	*
wIR[5, 4, 7]	-0.3850	-0.3859	0.4695	-1.3084	0.5393	0.2036	0.7964	*
wIR[5, 5, 7]	0.4552	0.4561	0.3655	-0.2620	1.1721	0.8936	0.1064	*
wIR[5, 6, 7]	-0.0138	-0.0154	0.4553	-0.9041	0.8837	0.4858	0.5142	
wIR[6, 1, 2]	-0.4868	-0.4986	0.4932	-1.4249	0.5142	0.1578	0.8422	*
wIR[6, 2, 2]	0.1310	0.1436	0.5792	-1.0476	1.2372	0.6016	0.3984	
wIR[6, 3, 2]	0.7372	0.7448	0.5936	-0.4445	1.8984	0.8955	0.1045	*
wIR[6, 4, 2]	-0.8604	-0.8623	0.6251	-2.0901	0.3757	0.0838	0.9162	*
wIR[6, 5, 2]	0.3137	0.3173	0.4364	-0.5615	1.1540	0.7688	0.2312	*
wIR[6, 6, 2]	-0.0452	-0.0471	0.5530	-1.1346	1.0360	0.4655	0.5345	
wIR[6, 1, 3]	-1.3600	-1.3725	0.3628	-2.0363	-0.6132	0.0004	0.9996	*
wIR[6, 2, 3]	2.1341	2.1431	0.3839	1.3508	2.8676	1.0000	0.0000	*
wIR[6, 3, 3]	3.2525	3.2516	0.4464	2.3793	4.1383	1.0000	0.0000	*
wIR[6, 4, 3]	0.1126	0.1111	0.4246	-0.7151	0.9525	0.6036	0.3964	
wIR[6, 5, 3]	0.4654	0.4725	0.3016	-0.1525	1.0407	0.9362	0.0638	*
wIR[6, 6, 3]	0.4219	0.4246	0.4456	-0.4630	1.2900	0.8321	0.1679	*
wIR[6, 1, 4]	-0.4193	-0.4194	0.2919	-0.9927	0.1528	0.0751	0.9249	*
wIR[6, 2, 4]	-0.5545	-0.5548	0.3465	-1.2384	0.1271	0.0548	0.9452	*
wIR[6, 3, 4]	-1.1886	-1.1847	0.3956	-1.9697	-0.4163	0.0013	0.9987	*

wIR[6, 4, 4]	-0.1760	-0.1747	0.3772	-0.9234	0.5618	0.3186	0.6814	*
wIR[6, 5, 4]	-0.6315	-0.6332	0.2719	-1.1625	-0.0934	0.0113	0.9887	*
wIR[6, 6, 4]	-0.3179	-0.3180	0.3944	-1.0934	0.4634	0.2077	0.7923	*
wIR[6, 1, 5]	-0.4427	-0.4421	0.2597	-0.9523	0.0638	0.0438	0.9562	*
wIR[6, 2, 5]	0.1157	0.1124	0.3010	-0.4663	0.7197	0.6454	0.3546	
wIR[6, 3, 5]	1.0814	1.0813	0.3778	0.3354	1.8231	0.9973	0.0027	*
wIR[6, 4, 5]	0.3128	0.3143	0.3390	-0.3568	0.9747	0.8239	0.1761	*
wIR[6, 5, 5]	-0.7974	-0.7987	0.2313	-1.2483	-0.3405	0.0005	0.9995	*
wIR[6, 6, 5]	0.3320	0.3336	0.3020	-0.2647	0.9180	0.8658	0.1342	*
wIR[6, 1, 6]	0.6240	0.6261	0.2344	0.1549	1.0780	0.9952	0.0048	*
wIR[6, 2, 6]	-0.8117	-0.8169	0.2907	-1.3710	-0.2259	0.0037	0.9963	*
wIR[6, 3, 6]	0.6663	0.6639	0.3522	-0.0225	1.3607	0.9708	0.0292	*
wIR[6, 4, 6]	1.0353	1.0355	0.3051	0.4368	1.6304	0.9993	0.0007	*
wIR[6, 5, 6]	-1.0381	-1.0411	0.2120	-1.4462	-0.6166	0.0000	1.0000	*
wIR[6, 6, 6]	-0.7908	-0.7913	0.2828	-1.3410	-0.2324	0.0030	0.9970	*
wIR[6, 1, 7]	-0.4549	-0.4538	0.2433	-0.9392	0.0158	0.0293	0.9707	*
wIR[6, 2, 7]	-1.5563	-1.5613	0.2928	-2.1212	-0.9692	0.0000	1.0000	*
wIR[6, 3, 7]	1.3305	1.3269	0.3566	0.6470	2.0528	0.9999	0.0001	*
wIR[6, 4, 7]	-0.7127	-0.7127	0.2891	-1.2806	-0.1449	0.0074	0.9926	*
wIR[6, 5, 7]	-0.8667	-0.8726	0.2281	-1.2996	-0.4027	0.0003	0.9997	*
wIR[6, 6, 7]	-0.7799	-0.7830	0.2829	-1.3240	-0.2128	0.0040	0.9960	*
wIR[7, 1, 2]	0.2699	0.2711	0.4071	-0.5313	1.0743	0.7498	0.2502	*
wIR[7, 2, 2]	-0.5539	-0.5523	0.4238	-1.3943	0.2770	0.0912	0.9088	*
wIR[7, 3, 2]	-0.5198	-0.5249	0.5042	-1.4990	0.4906	0.1484	0.8516	*
wIR[7, 4, 2]	1.0367	1.0450	0.5811	-0.1239	2.1560	0.9601	0.0399	*
wIR[7, 5, 2]	-0.1721	-0.1722	0.3667	-0.8974	0.5499	0.3179	0.6821	*
wIR[7, 6, 2]	0.0503	0.0528	0.4270	-0.8003	0.8795	0.5510	0.4490	
wIR[7, 1, 3]	-1.2283	-1.2393	0.3579	-1.8907	-0.4808	0.0014	0.9986	*
wIR[7, 2, 3]	0.7798	0.7920	0.3753	0.0002	1.4858	0.9750	0.0250	*
wIR[7, 3, 3]	1.1883	1.2100	0.4728	0.1533	2.0635	0.9849	0.0151	*
wIR[7, 4, 3]	0.1083	0.1099	0.3959	-0.6772	0.8844	0.6111	0.3889	
wIR[7, 5, 3]	-0.1322	-0.1296	0.2717	-0.6758	0.3985	0.3115	0.6885	*
wIR[7, 6, 3]	-0.0523	-0.0512	0.3436	-0.7286	0.6246	0.4387	0.5613	
wIR[7, 1, 4]	1.4310	1.4281	0.2654	0.9135	1.9595	1.0000	0.0000	*
wIR[7, 2, 4]	0.3583	0.3627	0.3564	-0.3489	1.0472	0.8428	0.1572	*
wIR[7, 3, 4]	-0.9594	-0.9591	0.3729	-1.6994	-0.2336	0.0052	0.9948	*
wIR[7, 4, 4]	1.9360	1.9433	0.3435	1.2344	2.5921	1.0000	0.0000	*
wIR[7, 5, 4]	0.4323	0.4333	0.2595	-0.0847	0.9395	0.9507	0.0493	*
wIR[7, 6, 4]	-0.4371	-0.4326	0.3881	-1.2167	0.3104	0.1277	0.8723	*
wIR[7, 1, 5]	-0.2102	-0.2108	0.2809	-0.7599	0.3380	0.2287	0.7713	*
wIR[7, 2, 5]	0.9662	0.9691	0.3317	0.3108	1.6155	0.9978	0.0022	*
wIR[7, 3, 5]	2.5234	2.5189	0.4068	1.7334	3.3245	1.0000	0.0000	*
wIR[7, 4, 5]	-0.0828	-0.0851	0.3606	-0.7842	0.6335	0.4076	0.5924	
wIR[7, 5, 5]	-1.1272	-1.1270	0.2572	-1.6283	-0.6205	0.0000	1.0000	*
wIR[7, 6, 5]	-0.3323	-0.3357	0.3422	-0.9929	0.3520	0.1646	0.8354	*
wIR[7, 1, 6]	0.4570	0.4561	0.2837	-0.1027	1.0119	0.9474	0.0526	*
wIR[7, 2, 6]	0.7918	0.7889	0.3518	0.1042	1.4917	0.9879	0.0121	*
wIR[7, 3, 6]	1.4078	1.4072	0.4193	0.5795	2.2254	0.9991	0.0009	*
wIR[7, 4, 6]	-0.8806	-0.8813	0.3822	-1.6318	-0.1290	0.0113	0.9887	*
wIR[7, 5, 6]	0.9436	0.9400	0.2712	0.4201	1.4874	0.9997	0.0003	*

wIR[7, 6, 6]	-0.1483	-0.1480	0.3529	-0.8380	0.5465	0.3361	0.6639	*
wIR[7, 1, 7]	0.5563	0.5535	0.2675	0.0394	1.0888	0.9828	0.0172	*
wIR[7, 2, 7]	-0.4026	-0.4001	0.3308	-1.0540	0.2408	0.1112	0.8888	*
wIR[7, 3, 7]	-1.6391	-1.6441	0.3877	-2.3897	-0.8624	0.0000	1.0000	*
wIR[7, 4, 7]	-0.7254	-0.7332	0.3677	-1.4250	0.0155	0.0274	0.9726	*
wIR[7, 5, 7]	0.0564	0.0580	0.2558	-0.4530	0.5553	0.5920	0.4080	
wIR[7, 6, 7]	-0.6014	-0.6029	0.3362	-1.2585	0.0625	0.0380	0.9620	*
wIR[8, 1, 2]	-0.2654	-0.2705	0.4493	-1.1368	0.6273	0.2748	0.7252	*
wIR[8, 2, 2]	-0.1429	-0.1600	0.6051	-1.2894	1.0965	0.3940	0.6060	
wIR[8, 3, 2]	0.6010	0.5864	0.5726	-0.4829	1.7940	0.8602	0.1398	*
wIR[8, 4, 2]	-0.7766	-0.7773	0.6539	-2.0653	0.4981	0.1170	0.8830	*
wIR[8, 5, 2]	-0.7892	-0.7971	0.4289	-1.6042	0.0762	0.0367	0.9633	*
wIR[8, 6, 2]	-0.0694	-0.0695	0.4691	-0.9915	0.8548	0.4404	0.5596	
wIR[8, 1, 3]	-0.1437	-0.1527	0.3576	-0.8185	0.5836	0.3336	0.6664	*
wIR[8, 2, 3]	1.1286	1.1313	0.3685	0.3973	1.8500	0.9975	0.0025	*
wIR[8, 3, 3]	0.7461	0.7359	0.4498	-0.1098	1.6650	0.9559	0.0441	*
wIR[8, 4, 3]	-0.0682	-0.0718	0.4208	-0.8861	0.7612	0.4322	0.5678	
wIR[8, 5, 3]	-0.0640	-0.0608	0.2783	-0.6180	0.4778	0.4111	0.5889	
wIR[8, 6, 3]	-0.4187	-0.4243	0.3519	-1.0977	0.2840	0.1171	0.8829	*
wIR[8, 1, 4]	-0.0434	-0.0436	0.2433	-0.5185	0.4377	0.4276	0.5724	
wIR[8, 2, 4]	-0.0848	-0.0840	0.3042	-0.6876	0.5083	0.3910	0.6090	
wIR[8, 3, 4]	1.2231	1.2252	0.3546	0.5163	1.9126	0.9996	0.0004	*
wIR[8, 4, 4]	0.3289	0.3327	0.3241	-0.3206	0.9568	0.8471	0.1529	*
wIR[8, 5, 4]	-0.7252	-0.7295	0.2441	-1.1946	-0.2357	0.0026	0.9974	*
wIR[8, 6, 4]	-0.9261	-0.9276	0.3656	-1.6426	-0.2047	0.0064	0.9936	*
wIR[8, 1, 5]	0.2915	0.2906	0.2516	-0.2004	0.7874	0.8767	0.1233	*
wIR[8, 2, 5]	-2.0386	-2.0369	0.2988	-2.6289	-1.4540	0.0000	1.0000	*
wIR[8, 3, 5]	-3.5857	-3.5873	0.3438	-4.2582	-2.9047	0.0000	1.0000	*
wIR[8, 4, 5]	-0.7911	-0.7912	0.3304	-1.4394	-0.1425	0.0093	0.9907	*
wIR[8, 5, 5]	-0.2898	-0.2908	0.2366	-0.7485	0.1736	0.1108	0.8892	*
wIR[8, 6, 5]	-0.0977	-0.0980	0.3081	-0.7011	0.5106	0.3730	0.6270	
wIR[8, 1, 6]	0.5457	0.5458	0.2903	-0.0238	1.1194	0.9701	0.0299	*
wIR[8, 2, 6]	-0.9900	-0.9923	0.3528	-1.6768	-0.2880	0.0033	0.9967	*
wIR[8, 3, 6]	-3.4430	-3.4400	0.4073	-4.2468	-2.6444	0.0000	1.0000	*
wIR[8, 4, 6]	-1.7406	-1.7440	0.3682	-2.4519	-1.0090	0.0000	1.0000	*
wIR[8, 5, 6]	-0.3122	-0.3141	0.2696	-0.8363	0.2193	0.1227	0.8773	*
wIR[8, 6, 6]	0.1667	0.1649	0.3132	-0.4443	0.7809	0.7023	0.2977	*
wIR[8, 1, 7]	-0.2747	-0.2734	0.3756	-1.0140	0.4641	0.2315	0.7685	*
wIR[8, 2, 7]	-0.9233	-0.9271	0.4301	-1.7573	-0.0704	0.0174	0.9826	*
wIR[8, 3, 7]	-0.7361	-0.7460	0.4859	-1.6688	0.2398	0.0672	0.9328	*
wIR[8, 4, 7]	-2.2645	-2.2695	0.4039	-3.0512	-1.4546	0.0000	1.0000	*
wIR[8, 5, 7]	-0.2894	-0.2872	0.3126	-0.9106	0.3165	0.1754	0.8246	*
wIR[8, 6, 7]	-0.7110	-0.7092	0.3970	-1.4926	0.0606	0.0354	0.9646	*
wIR[9, 1, 2]	-0.3411	-0.3390	0.4223	-1.1770	0.4876	0.2058	0.7942	*
wIR[9, 2, 2]	-3.5780	-3.5919	0.4136	-4.3578	-2.7171	0.0000	1.0000	*
wIR[9, 3, 2]	-5.1519	-5.1714	0.4834	-6.0599	-4.1432	0.0000	1.0000	*
wIR[9, 4, 2]	-2.2329	-2.2351	0.5734	-3.3576	-1.0980	0.0001	0.9999	*
wIR[9, 5, 2]	-0.3112	-0.3138	0.3784	-1.0518	0.4429	0.2003	0.7997	*
wIR[9, 6, 2]	0.0510	0.0514	0.4295	-0.7915	0.8935	0.5462	0.4538	
wIR[9, 1, 3]	-1.0578	-1.0633	0.3671	-1.7622	-0.3240	0.0027	0.9973	*

wIR[9, 2, 3]	0.2263	0.2276	0.3972	-0.5617	1.0051	0.7211	0.2789	*
wIR[9, 3, 3]	0.3055	0.3023	0.4573	-0.5832	1.2181	0.7493	0.2507	*
wIR[9, 4, 3]	-0.1405	-0.1427	0.4453	-1.0033	0.7423	0.3730	0.6270	
wIR[9, 5, 3]	-0.5141	-0.5083	0.2987	-1.1150	0.0612	0.0399	0.9601	*
wIR[9, 6, 3]	0.4209	0.4251	0.3689	-0.3065	1.1395	0.8727	0.1273	*
wIR[9, 1, 4]	-0.9362	-0.9334	0.3019	-1.5342	-0.3517	0.0009	0.9991	*
wIR[9, 2, 4]	-2.7098	-2.7150	0.3459	-3.3690	-2.0120	0.0000	1.0000	*
wIR[9, 3, 4]	-1.1840	-1.1778	0.4228	-2.0252	-0.3605	0.0026	0.9974	*
wIR[9, 4, 4]	-0.1682	-0.1649	0.3522	-0.8710	0.5155	0.3161	0.6839	*
wIR[9, 5, 4]	-0.9874	-0.9897	0.2723	-1.5182	-0.4503	0.0003	0.9997	*
wIR[9, 6, 4]	0.0032	0.0020	0.3775	-0.7384	0.7449	0.5021	0.4979	
wIR[9, 1, 5]	-0.5647	-0.5642	0.2882	-1.1325	-0.0023	0.0245	0.9755	*
wIR[9, 2, 5]	-1.5934	-1.5972	0.3396	-2.2538	-0.9155	0.0000	1.0000	*
wIR[9, 3, 5]	-3.4256	-3.4254	0.3975	-4.2045	-2.6448	0.0000	1.0000	*
wIR[9, 4, 5]	-0.5344	-0.5365	0.3531	-1.2303	0.1642	0.0647	0.9353	*
wIR[9, 5, 5]	-0.7963	-0.7949	0.2496	-1.2879	-0.3073	0.0009	0.9991	*
wIR[9, 6, 5]	0.7690	0.7722	0.3267	0.1193	1.4015	0.9895	0.0105	*
wIR[9, 1, 6]	-0.5187	-0.5160	0.3000	-1.1114	0.0644	0.0410	0.9590	*
wIR[9, 2, 6]	-1.5282	-1.5371	0.3743	-2.2425	-0.7694	0.0001	0.9999	*
wIR[9, 3, 6]	-1.0658	-1.0701	0.4424	-1.9244	-0.1783	0.0101	0.9899	*
wIR[9, 4, 6]	-0.8135	-0.8137	0.3492	-1.5023	-0.1232	0.0104	0.9896	*
wIR[9, 5, 6]	0.4664	0.4649	0.2586	-0.0389	0.9799	0.9647	0.0353	*
wIR[9, 6, 6]	0.6936	0.6944	0.3134	0.0745	1.3114	0.9859	0.0141	*
wIR[9, 1, 7]	0.3922	0.3934	0.2827	-0.1665	0.9439	0.9177	0.0823	*
wIR[9, 2, 7]	0.1628	0.1672	0.3370	-0.5082	0.8155	0.6900	0.3100	*
wIR[9, 3, 7]	-0.3426	-0.3401	0.3733	-1.0807	0.3872	0.1777	0.8223	*
wIR[9, 4, 7]	-1.8692	-1.8724	0.3128	-2.4761	-1.2488	0.0000	1.0000	*
wIR[9, 5, 7]	0.7475	0.7467	0.2485	0.2583	1.2339	0.9985	0.0015	*
wIR[9, 6, 7]	0.4959	0.4985	0.3178	-0.1346	1.1097	0.9394	0.0606	*
wIR[10, 1, 2]	-0.1644	-0.1596	0.4787	-1.1220	0.7568	0.3688	0.6312	
wIR[10, 2, 2]	-5.2056	-5.2483	0.7331	-6.4950	-3.6419	0.0000	1.0000	*
wIR[10, 3, 2]	-4.3705	-4.4357	0.6424	-5.4608	-2.9495	0.0000	1.0000	*
wIR[10, 4, 2]	-0.9216	-0.9177	0.7029	-2.3092	0.4562	0.0931	0.9069	*
wIR[10, 5, 2]	-0.1604	-0.1619	0.4727	-1.0901	0.7711	0.3653	0.6347	
wIR[10, 6, 2]	0.2557	0.2550	0.5031	-0.7374	1.2368	0.6970	0.3030	*
wIR[10, 1, 3]	0.5099	0.5126	0.4226	-0.3289	1.3298	0.8863	0.1137	*
wIR[10, 2, 3]	2.5402	2.5458	0.5021	1.5379	3.5218	1.0000	0.0000	*
wIR[10, 3, 3]	2.4635	2.4649	0.5231	1.4321	3.4823	1.0000	0.0000	*
wIR[10, 4, 3]	1.4817	1.4841	0.5068	0.4761	2.4702	0.9981	0.0019	*
wIR[10, 5, 3]	-0.3929	-0.3992	0.3483	-1.0645	0.3056	0.1298	0.8702	*
wIR[10, 6, 3]	0.3752	0.3714	0.4125	-0.4287	1.1938	0.8201	0.1799	*
wIR[10, 1, 4]	0.0897	0.0915	0.3106	-0.5202	0.6932	0.6160	0.3840	
wIR[10, 2, 4]	0.4115	0.4044	0.3785	-0.3170	1.1764	0.8649	0.1351	*
wIR[10, 3, 4]	0.5569	0.5588	0.4541	-0.3363	1.4476	0.8900	0.1100	*
wIR[10, 4, 4]	0.3214	0.3216	0.4179	-0.5047	1.1395	0.7821	0.2179	*
wIR[10, 5, 4]	-0.2830	-0.2843	0.2942	-0.8555	0.2975	0.1672	0.8328	*
wIR[10, 6, 4]	-0.2232	-0.2259	0.4045	-1.0067	0.5784	0.2887	0.7113	*
wIR[10, 1, 5]	0.3549	0.3583	0.2365	-0.1234	0.8137	0.9317	0.0683	*
wIR[10, 2, 5]	-4.4382	-4.4415	0.2849	-4.9924	-3.8659	0.0000	1.0000	*
wIR[10, 3, 5]	-5.3633	-5.3725	0.3547	-6.0318	-4.6357	0.0000	1.0000	*

wIR[10, 4, 5]	0.4340	0.4351	0.3337	-0.2307	1.0885	0.9057	0.0943	*
wIR[10, 5, 5]	-0.9073	-0.9112	0.2449	-1.3811	-0.4177	0.0003	0.9997	*
wIR[10, 6, 5]	0.6441	0.6478	0.3453	-0.0409	1.3148	0.9673	0.0327	*
wIR[10, 1, 6]	0.0012	0.0017	0.9068	-1.7742	1.7783	0.5006	0.4994	
wIR[10, 2, 6]	-0.0003	-0.0017	1.4662	-2.8898	2.8794	0.4995	0.5005	
wIR[10, 3, 6]	-0.0045	-0.0025	1.8128	-3.5863	3.5387	0.4996	0.5004	
wIR[10, 4, 6]	0.0044	0.0067	1.2346	-2.4204	2.4195	0.5022	0.4978	
wIR[10, 5, 6]	0.0033	0.0052	0.7914	-1.5445	1.5592	0.5025	0.4975	
wIR[10, 6, 6]	0.0021	0.0034	0.7801	-1.5336	1.5313	0.5021	0.4979	
wIR[10, 1, 7]	-0.0015	-0.0024	0.9068	-1.7840	1.7761	0.4990	0.5010	
wIR[10, 2, 7]	-0.0085	-0.0065	1.4632	-2.8820	2.8604	0.4984	0.5016	
wIR[10, 3, 7]	-0.0069	-0.0076	1.8081	-3.5684	3.5252	0.4980	0.5020	
wIR[10, 4, 7]	-0.0044	0.0002	1.2386	-2.4444	2.4306	0.5001	0.4999	
wIR[10, 5, 7]	0.0012	0.0017	0.7881	-1.5433	1.5468	0.5007	0.4993	
wIR[10, 6, 7]	0.0031	0.0038	0.7778	-1.5271	1.5374	0.5020	0.4980	
wIR[11, 1, 2]	-0.0845	-0.0879	0.4336	-0.9285	0.7740	0.4190	0.5810	
wIR[11, 2, 2]	-0.8137	-0.8079	0.4373	-1.6952	0.0399	0.0305	0.9695	*
wIR[11, 3, 2]	-0.8027	-0.7993	0.4975	-1.7956	0.1759	0.0516	0.9484	*
wIR[11, 4, 2]	-0.0650	-0.0596	0.5751	-1.2066	1.0538	0.4576	0.5424	
wIR[11, 5, 2]	-0.9274	-0.9290	0.3831	-1.6755	-0.1669	0.0089	0.9911	*
wIR[11, 6, 2]	-0.1012	-0.1004	0.4404	-0.9619	0.7636	0.4100	0.5900	
wIR[11, 1, 3]	0.6846	0.6794	0.3475	0.0153	1.3795	0.9774	0.0226	*
wIR[11, 2, 3]	0.3374	0.3389	0.3997	-0.4683	1.1099	0.8099	0.1901	*
wIR[11, 3, 3]	-0.2806	-0.2880	0.4434	-1.1256	0.6179	0.2600	0.7400	*
wIR[11, 4, 3]	1.1281	1.1263	0.4144	0.3165	1.9416	0.9962	0.0038	*
wIR[11, 5, 3]	0.1882	0.1974	0.2806	-0.3826	0.7112	0.7595	0.2405	*
wIR[11, 6, 3]	-0.8707	-0.8757	0.3758	-1.5939	-0.1125	0.0131	0.9869	*
wIR[11, 1, 4]	-0.4522	-0.4496	0.2725	-0.9985	0.0735	0.0467	0.9533	*
wIR[11, 2, 4]	-0.6599	-0.6559	0.3297	-1.3132	-0.0223	0.0213	0.9787	*
wIR[11, 3, 4]	-0.3068	-0.3037	0.3818	-1.0635	0.4348	0.2117	0.7883	*
wIR[11, 4, 4]	-0.3249	-0.3216	0.3401	-1.0028	0.3347	0.1673	0.8327	*
wIR[11, 5, 4]	-1.4352	-1.4375	0.2535	-1.9246	-0.9313	0.0000	1.0000	*
wIR[11, 6, 4]	-1.5089	-1.5139	0.3546	-2.1874	-0.7973	0.0002	0.9998	*
wIR[11, 1, 5]	0.8338	0.8348	0.2804	0.2787	1.3810	0.9984	0.0016	*
wIR[11, 2, 5]	-0.7233	-0.7274	0.3516	-1.4004	-0.0208	0.0214	0.9786	*
wIR[11, 3, 5]	-1.5624	-1.5577	0.3974	-2.3514	-0.7918	0.0000	1.0000	*
wIR[11, 4, 5]	-0.0122	-0.0112	0.3475	-0.7018	0.6684	0.4873	0.5127	
wIR[11, 5, 5]	-0.8603	-0.8607	0.2403	-1.3301	-0.3857	0.0002	0.9998	*
wIR[11, 6, 5]	-0.2582	-0.2569	0.3156	-0.8786	0.3574	0.2067	0.7933	*
wIR[11, 1, 6]	0.0693	0.0672	0.2567	-0.4308	0.5792	0.6044	0.3956	
wIR[11, 2, 6]	-0.4004	-0.4054	0.3237	-1.0277	0.2454	0.1092	0.8908	*
wIR[11, 3, 6]	0.4909	0.4865	0.3624	-0.2084	1.2174	0.9134	0.0866	*
wIR[11, 4, 6]	-0.7559	-0.7600	0.3290	-1.3896	-0.0917	0.0120	0.9880	*
wIR[11, 5, 6]	-0.2594	-0.2588	0.2247	-0.7027	0.1794	0.1234	0.8766	*
wIR[11, 6, 6]	0.0841	0.0839	0.2755	-0.4609	0.6198	0.6214	0.3786	
wIR[11, 1, 7]	-0.0592	-0.0627	0.2550	-0.5555	0.4485	0.4033	0.5967	
wIR[11, 2, 7]	-2.3177	-2.3171	0.3310	-2.9651	-1.6665	0.0000	1.0000	*
wIR[11, 3, 7]	-2.7048	-2.7029	0.3812	-3.4536	-1.9636	0.0000	1.0000	*
wIR[11, 4, 7]	0.1107	0.1079	0.3100	-0.4937	0.7232	0.6372	0.3628	
wIR[11, 5, 7]	-0.6993	-0.6999	0.2369	-1.1581	-0.2293	0.0022	0.9978	*

wIR[11, 6, 7]	-1.0093	-1.0093	0.2806	-1.5556	-0.4544	0.0003	0.9997	*
wIR[12, 1, 2]	-0.5313	-0.5320	0.4389	-1.3821	0.3359	0.1113	0.8887	*
wIR[12, 2, 2]	-0.0432	-0.0481	0.5918	-1.1903	1.1448	0.4662	0.5338	
wIR[12, 3, 2]	0.4553	0.4576	0.5445	-0.6271	1.5328	0.8062	0.1938	*
wIR[12, 4, 2]	0.0876	0.0917	0.6503	-1.1941	1.3594	0.5559	0.4441	
wIR[12, 5, 2]	0.2876	0.2908	0.4252	-0.5524	1.1177	0.7538	0.2462	*
wIR[12, 6, 2]	0.7117	0.7154	0.4732	-0.2319	1.6273	0.9321	0.0679	*
wIR[12, 1, 3]	0.9853	0.9827	0.3594	0.2940	1.7000	0.9966	0.0034	*
wIR[12, 2, 3]	0.7871	0.7904	0.3816	0.0156	1.5320	0.9769	0.0231	*
wIR[12, 3, 3]	-0.6744	-0.6893	0.4594	-1.5253	0.2654	0.0690	0.9310	*
wIR[12, 4, 3]	0.7123	0.7106	0.4214	-0.1181	1.5406	0.9547	0.0453	*
wIR[12, 5, 3]	0.2668	0.2744	0.2888	-0.3206	0.8150	0.8296	0.1704	*
wIR[12, 6, 3]	0.3958	0.4018	0.3751	-0.3577	1.1088	0.8609	0.1391	*
wIR[12, 1, 4]	0.3676	0.3666	0.2916	-0.2010	0.9453	0.8972	0.1028	*
wIR[12, 2, 4]	2.3077	2.3100	0.3437	1.6266	2.9821	1.0000	0.0000	*
wIR[12, 3, 4]	-0.9876	-0.9894	0.4056	-1.7728	-0.1801	0.0091	0.9909	*
wIR[12, 4, 4]	0.9413	0.9422	0.3535	0.2469	1.6326	0.9953	0.0047	*
wIR[12, 5, 4]	0.8702	0.8678	0.2667	0.3521	1.3986	0.9991	0.0009	*
wIR[12, 6, 4]	-0.9006	-0.9118	0.3992	-1.6494	-0.0823	0.0162	0.9838	*
wIR[12, 1, 5]	0.6128	0.6154	0.3357	-0.0579	1.2632	0.9645	0.0355	*
wIR[12, 2, 5]	1.0449	1.0431	0.3840	0.2909	1.8065	0.9968	0.0032	*
wIR[12, 3, 5]	-0.0503	-0.0505	0.4493	-0.9212	0.8307	0.4538	0.5462	
wIR[12, 4, 5]	-1.1020	-1.1007	0.4026	-1.9017	-0.3151	0.0031	0.9969	*
wIR[12, 5, 5]	0.5695	0.5674	0.2972	-0.0054	1.1616	0.9741	0.0259	*
wIR[12, 6, 5]	0.5350	0.5344	0.3864	-0.2255	1.2943	0.9167	0.0833	*
wIR[12, 1, 6]	0.3090	0.3067	0.3126	-0.2978	0.9298	0.8395	0.1605	*
wIR[12, 2, 6]	0.5031	0.5056	0.3701	-0.2301	1.2172	0.9123	0.0877	*
wIR[12, 3, 6]	0.0424	0.0388	0.4066	-0.7489	0.8570	0.5392	0.4608	
wIR[12, 4, 6]	-1.2307	-1.2343	0.3912	-1.9879	-0.4493	0.0011	0.9989	*
wIR[12, 5, 6]	0.6407	0.6416	0.2588	0.1320	1.1473	0.9928	0.0072	*
wIR[12, 6, 6]	0.7128	0.7111	0.3487	0.0326	1.4046	0.9803	0.0197	*
wIR[12, 1, 7]	0.4671	0.4603	0.3206	-0.1449	1.1185	0.9321	0.0679	*
wIR[12, 2, 7]	1.4807	1.4887	0.3574	0.7611	2.1664	1.0000	0.0000	*
wIR[12, 3, 7]	-0.5139	-0.5067	0.3932	-1.3111	0.2345	0.0923	0.9077	*
wIR[12, 4, 7]	-0.8387	-0.8425	0.3240	-1.4662	-0.1880	0.0064	0.9936	*
wIR[12, 5, 7]	2.7015	2.7059	0.2674	2.1639	3.2137	1.0000	0.0000	*
wIR[12, 6, 7]	0.7064	0.7056	0.3314	0.0571	1.3606	0.9830	0.0170	*
wIR[13, 1, 2]	-0.8262	-0.8328	0.4386	-1.6686	0.0457	0.0310	0.9690	*
wIR[13, 2, 2]	-2.3111	-2.3084	0.4223	-3.1565	-1.4828	0.0000	1.0000	*
wIR[13, 3, 2]	-1.6522	-1.6388	0.4992	-2.6710	-0.7000	0.0004	0.9996	*
wIR[13, 4, 2]	-1.5324	-1.5363	0.5953	-2.6890	-0.3485	0.0061	0.9939	*
wIR[13, 5, 2]	-0.8647	-0.8680	0.3805	-1.6145	-0.1046	0.0135	0.9865	*
wIR[13, 6, 2]	-0.7532	-0.7669	0.4586	-1.6161	0.1843	0.0546	0.9454	*
wIR[13, 1, 3]	0.8624	0.8586	0.3469	0.1912	1.5526	0.9940	0.0060	*
wIR[13, 2, 3]	1.5310	1.5365	0.3617	0.8093	2.2363	0.9998	0.0002	*
wIR[13, 3, 3]	1.7131	1.7099	0.4407	0.8532	2.5805	0.9999	0.0001	*
wIR[13, 4, 3]	0.7687	0.7687	0.4250	-0.0645	1.6030	0.9648	0.0352	*
wIR[13, 5, 3]	0.6072	0.6120	0.2711	0.0598	1.1299	0.9844	0.0156	*
wIR[13, 6, 3]	-0.0610	-0.0665	0.3570	-0.7442	0.6602	0.4248	0.5752	
wIR[13, 1, 4]	1.3392	1.3420	0.2799	0.7786	1.8829	1.0000	0.0000	*

wIR[13, 2, 4]	-2.1557	-2.1468	0.3227	-2.8093	-1.5412	0.0000	1.0000	*
wIR[13, 3, 4]	-2.1172	-2.1123	0.4129	-2.9414	-1.3200	0.0000	1.0000	*
wIR[13, 4, 4]	-0.7143	-0.7154	0.3387	-1.3768	-0.0454	0.0187	0.9813	*
wIR[13, 5, 4]	-1.3604	-1.3630	0.2797	-1.8963	-0.8014	0.0000	1.0000	*
wIR[13, 6, 4]	-0.9832	-0.9842	0.3959	-1.7539	-0.2003	0.0078	0.9922	*
wIR[14, 1, 2]	-0.1045	-0.1044	0.4284	-0.9483	0.7387	0.4032	0.5968	
wIR[14, 2, 2]	-2.6484	-2.6411	0.4135	-3.4828	-1.8491	0.0000	1.0000	*
wIR[14, 3, 2]	-2.2709	-2.2588	0.4844	-3.2612	-1.3483	0.0000	1.0000	*
wIR[14, 4, 2]	-1.0139	-1.0190	0.5910	-2.1580	0.1654	0.0442	0.9558	*
wIR[14, 5, 2]	0.2250	0.2320	0.3870	-0.5624	0.9634	0.7261	0.2739	*
wIR[14, 6, 2]	0.0683	0.0647	0.4349	-0.7826	0.9392	0.5605	0.4395	
wIR[14, 1, 3]	0.1349	0.1272	0.3579	-0.5472	0.8603	0.6430	0.3570	
wIR[14, 2, 3]	0.8044	0.8130	0.3864	0.0179	1.5460	0.9772	0.0228	*
wIR[14, 3, 3]	2.4793	2.4867	0.4657	1.5443	3.3727	1.0000	0.0000	*
wIR[14, 4, 3]	1.1373	1.1381	0.4154	0.3112	1.9492	0.9963	0.0037	*
wIR[14, 5, 3]	0.7763	0.7855	0.3080	0.1425	1.3558	0.9911	0.0089	*
wIR[14, 6, 3]	0.5634	0.5763	0.3956	-0.2484	1.3105	0.9183	0.0817	*
wIR[14, 1, 4]	-0.2486	-0.2456	0.2750	-0.7960	0.2833	0.1828	0.8172	*
wIR[14, 2, 4]	-0.7144	-0.7119	0.3182	-1.3486	-0.0946	0.0123	0.9877	*
wIR[14, 3, 4]	-1.4758	-1.4659	0.3836	-2.2556	-0.7524	0.0001	0.9999	*
wIR[14, 4, 4]	-0.1200	-0.1228	0.3509	-0.8047	0.5750	0.3633	0.6367	
wIR[14, 5, 4]	-0.5503	-0.5539	0.2489	-1.0286	-0.0508	0.0161	0.9839	*
wIR[14, 6, 4]	-0.7557	-0.7578	0.3762	-1.4915	-0.0101	0.0236	0.9764	*
wIR[14, 1, 5]	-0.1215	-0.1189	0.2505	-0.6229	0.3651	0.3165	0.6835	*
wIR[14, 2, 5]	1.0279	1.0280	0.2868	0.4674	1.5922	0.9998	0.0002	*
wIR[14, 3, 5]	0.7137	0.7175	0.3495	0.0126	1.3932	0.9773	0.0227	*
wIR[14, 4, 5]	1.0144	1.0135	0.3388	0.3481	1.6802	0.9984	0.0016	*
wIR[14, 5, 5]	1.0402	1.0424	0.2419	0.5585	1.5069	1.0000	0.0000	*
wIR[14, 6, 5]	0.8177	0.8189	0.3264	0.1738	1.4538	0.9935	0.0065	*
wIR[14, 1, 6]	-0.5440	-0.5408	0.2481	-1.0422	-0.0700	0.0122	0.9878	*
wIR[14, 2, 6]	0.8540	0.8573	0.2955	0.2648	1.4228	0.9977	0.0023	*
wIR[14, 3, 6]	0.3182	0.3194	0.3531	-0.3874	1.0057	0.8199	0.1801	*
wIR[14, 4, 6]	0.1946	0.1963	0.3322	-0.4651	0.8391	0.7238	0.2762	*
wIR[14, 5, 6]	0.6895	0.6923	0.2351	0.2177	1.1418	0.9973	0.0027	*
wIR[14, 6, 6]	0.4957	0.4981	0.3041	-0.1103	1.0868	0.9464	0.0536	*
wIR[14, 1, 7]	-0.9607	-0.9595	0.2659	-1.4895	-0.4442	0.0002	0.9998	*
wIR[14, 2, 7]	-4.2821	-4.2800	0.3139	-4.9002	-3.6669	0.0000	1.0000	*
wIR[14, 3, 7]	-2.3254	-2.3195	0.3800	-3.0773	-1.5865	0.0000	1.0000	*
wIR[14, 4, 7]	-0.9230	-0.9255	0.3163	-1.5361	-0.2883	0.0034	0.9966	*
wIR[14, 5, 7]	-0.8441	-0.8448	0.2326	-1.3005	-0.3855	0.0001	0.9999	*
wIR[14, 6, 7]	0.1023	0.1051	0.3022	-0.4962	0.6863	0.6350	0.3650	
wIR[15, 1, 2]	-0.0765	-0.0796	0.4032	-0.8623	0.7271	0.4207	0.5793	
wIR[15, 2, 2]	-0.3408	-0.3360	0.4146	-1.1755	0.4642	0.2000	0.8000	*
wIR[15, 3, 2]	0.0105	0.0139	0.4851	-0.9650	0.9612	0.5114	0.4886	
wIR[15, 4, 2]	-0.6076	-0.6092	0.5630	-1.7181	0.4986	0.1376	0.8624	*
wIR[15, 5, 2]	0.1148	0.1166	0.3637	-0.6092	0.8308	0.6272	0.3728	
wIR[15, 6, 2]	-0.1818	-0.1851	0.4246	-1.0044	0.6643	0.3286	0.6714	*
wIR[15, 1, 3]	0.8678	0.8593	0.3180	0.2688	1.5186	0.9979	0.0021	*
wIR[15, 2, 3]	1.2401	1.2492	0.3418	0.5368	1.8880	0.9986	0.0014	*
wIR[15, 3, 3]	1.9798	1.9743	0.4082	1.1933	2.8010	1.0000	0.0000	*

wIR[15, 4, 3]	1.0507	1.0500	0.3809	0.3016	1.8007	0.9967	0.0033	*
wIR[15, 5, 3]	0.4058	0.4132	0.2542	-0.1175	0.8841	0.9405	0.0595	*
wIR[15, 6, 3]	-0.4131	-0.4136	0.3350	-1.0779	0.2476	0.1052	0.8948	*
wIR[15, 1, 4]	-0.1616	-0.1616	0.2470	-0.6502	0.3246	0.2546	0.7454	*
wIR[15, 2, 4]	1.3539	1.3536	0.3134	0.7365	1.9718	1.0000	0.0000	*
wIR[15, 3, 4]	2.7090	2.7126	0.3631	1.9788	3.4063	1.0000	0.0000	*
wIR[15, 4, 4]	0.1349	0.1334	0.3297	-0.5097	0.7864	0.6581	0.3419	*
wIR[15, 5, 4]	-0.2720	-0.2770	0.2436	-0.7384	0.2165	0.1326	0.8674	*
wIR[15, 6, 4]	-0.6095	-0.6109	0.3587	-1.3085	0.1063	0.0462	0.9538	*
wIR[15, 1, 5]	0.1570	0.1595	0.2745	-0.3846	0.6894	0.7198	0.2802	*
wIR[15, 2, 5]	1.4994	1.4990	0.3316	0.8397	2.1468	1.0000	0.0000	*
wIR[15, 3, 5]	-0.7717	-0.7771	0.3998	-1.5514	0.0246	0.0287	0.9713	*
wIR[15, 4, 5]	0.5273	0.5309	0.3486	-0.1639	1.2031	0.9348	0.0652	*
wIR[15, 5, 5]	0.6057	0.6042	0.2597	0.0972	1.1208	0.9903	0.0097	*
wIR[15, 6, 5]	0.2278	0.2282	0.3286	-0.4152	0.8734	0.7572	0.2428	*
wIR[15, 1, 6]	-0.0039	-0.0019	0.2844	-0.5703	0.5503	0.4971	0.5029	
wIR[15, 2, 6]	0.1905	0.1917	0.3728	-0.5429	0.9207	0.6983	0.3017	*
wIR[15, 3, 6]	-0.0129	-0.0155	0.4188	-0.8226	0.8186	0.4850	0.5150	
wIR[15, 4, 6]	1.0927	1.0956	0.3834	0.3308	1.8360	0.9971	0.0029	*
wIR[15, 5, 6]	-0.2996	-0.3003	0.2730	-0.8302	0.2402	0.1354	0.8646	*
wIR[15, 6, 6]	-0.2982	-0.2965	0.3623	-1.0072	0.4097	0.2048	0.7952	*
wIR[15, 1, 7]	1.0189	1.0216	0.2270	0.5616	1.4553	1.0000	0.0000	*
wIR[15, 2, 7]	-0.3439	-0.3460	0.2656	-0.8647	0.1849	0.0968	0.9032	*
wIR[15, 3, 7]	1.9974	1.9993	0.3029	1.4039	2.5909	1.0000	0.0000	*
wIR[15, 4, 7]	0.4644	0.4692	0.3069	-0.1486	1.0542	0.9329	0.0671	*
wIR[15, 5, 7]	0.0154	0.0153	0.2285	-0.4373	0.4654	0.5270	0.4730	
wIR[15, 6, 7]	-0.0797	-0.0795	0.3173	-0.7059	0.5462	0.4003	0.5997	
wIR[16, 1, 2]	-0.7447	-0.7533	0.4726	-1.6537	0.2034	0.0595	0.9405	*
wIR[16, 2, 2]	-0.5285	-0.5142	0.4947	-1.5492	0.4129	0.1353	0.8647	*
wIR[16, 3, 2]	0.1538	0.1687	0.5708	-1.0188	1.2387	0.6184	0.3816	
wIR[16, 4, 2]	0.0174	0.0166	0.6087	-1.1824	1.2106	0.5110	0.4890	
wIR[16, 5, 2]	-0.3036	-0.3009	0.4056	-1.1015	0.4922	0.2243	0.7757	*
wIR[16, 6, 2]	-0.9757	-0.9885	0.4732	-1.8673	-0.0196	0.0228	0.9772	*
wIR[16, 1, 3]	1.2495	1.2470	0.3829	0.5016	1.9986	0.9994	0.0006	*
wIR[16, 2, 3]	1.7240	1.7313	0.4059	0.9008	2.5023	0.9999	0.0001	*
wIR[16, 3, 3]	2.6354	2.6351	0.4525	1.7483	3.5324	1.0000	0.0000	*
wIR[16, 4, 3]	0.9048	0.9130	0.4382	0.0161	1.7403	0.9768	0.0232	*
wIR[16, 5, 3]	0.7805	0.7813	0.3010	0.1863	1.3670	0.9941	0.0059	*
wIR[16, 6, 3]	-0.2257	-0.2355	0.3794	-0.9438	0.5501	0.2684	0.7316	*
wIR[16, 1, 4]	-0.9357	-0.9350	0.2851	-1.4983	-0.3785	0.0008	0.9992	*
wIR[16, 2, 4]	-2.4772	-2.4744	0.3507	-3.1779	-1.7969	0.0000	1.0000	*
wIR[16, 3, 4]	-1.6926	-1.6899	0.4067	-2.5014	-0.8964	0.0000	1.0000	*
wIR[16, 4, 4]	-2.7231	-2.7294	0.3781	-3.4484	-1.9625	0.0000	1.0000	*
wIR[16, 5, 4]	-1.3984	-1.3997	0.2843	-1.9512	-0.8338	0.0000	1.0000	*
wIR[16, 6, 4]	-0.9972	-0.9942	0.4142	-1.8141	-0.1870	0.0077	0.9923	*
wIR[16, 1, 5]	0.7771	0.7784	0.3418	0.1078	1.4473	0.9881	0.0119	*
wIR[16, 2, 5]	-1.2674	-1.2692	0.3962	-2.0435	-0.4857	0.0007	0.9993	*
wIR[16, 3, 5]	-0.5285	-0.5217	0.4694	-1.4689	0.3754	0.1278	0.8722	*
wIR[16, 4, 5]	1.5599	1.5506	0.4321	0.7394	2.4372	0.9999	0.0001	*
wIR[16, 5, 5]	-0.8762	-0.8736	0.3100	-1.4894	-0.2732	0.0022	0.9978	*

wIR[16, 6, 5]	-0.4887	-0.4895	0.3844	-1.2403	0.2641	0.1017	0.8983	*
wIR[16, 1, 6]	-1.2894	-1.2850	0.2913	-1.8717	-0.7306	0.0000	1.0000	*
wIR[16, 2, 6]	-1.5912	-1.5957	0.3481	-2.2613	-0.8889	0.0000	1.0000	*
wIR[16, 3, 6]	-0.4080	-0.4081	0.4417	-1.2761	0.4653	0.1725	0.8275	*
wIR[16, 4, 6]	0.3565	0.3611	0.3638	-0.3693	1.0587	0.8378	0.1622	*
wIR[16, 5, 6]	-0.4424	-0.4471	0.2718	-0.9658	0.1033	0.0539	0.9461	*
wIR[16, 6, 6]	0.5173	0.5195	0.3557	-0.1847	1.2109	0.9270	0.0730	*
wIR[16, 1, 7]	0.3810	0.3817	0.2804	-0.1715	0.9301	0.9127	0.0873	*
wIR[16, 2, 7]	-1.5431	-1.5442	0.3378	-2.2035	-0.8767	0.0000	1.0000	*
wIR[16, 3, 7]	0.8381	0.8378	0.3785	0.0977	1.5800	0.9865	0.0135	*
wIR[16, 4, 7]	1.0473	1.0499	0.3797	0.2945	1.7865	0.9966	0.0034	*
wIR[16, 5, 7]	-0.6273	-0.6242	0.2828	-1.1898	-0.0785	0.0131	0.9869	*
wIR[16, 6, 7]	0.7180	0.7186	0.3781	-0.0244	1.4585	0.9710	0.0290	*
wIR[17, 1, 2]	0.5987	0.5998	0.4121	-0.2177	1.4011	0.9281	0.0719	*
wIR[17, 2, 2]	1.1570	1.1660	0.4100	0.3218	1.9414	0.9949	0.0051	*
wIR[17, 3, 2]	1.4480	1.4519	0.4728	0.5003	2.3746	0.9977	0.0023	*
wIR[17, 4, 2]	-0.9331	-0.9359	0.5606	-2.0157	0.1833	0.0489	0.9511	*
wIR[17, 5, 2]	-0.0954	-0.0967	0.3738	-0.8300	0.6463	0.3980	0.6020	
wIR[17, 6, 2]	-0.7871	-0.7986	0.4444	-1.6313	0.1103	0.0419	0.9581	*
wIR[17, 1, 3]	1.1595	1.1510	0.3354	0.5222	1.8373	0.9997	0.0003	*
wIR[17, 2, 3]	1.3406	1.3490	0.3628	0.5934	2.0291	0.9989	0.0011	*
wIR[17, 3, 3]	2.3348	2.3268	0.4314	1.5021	3.2004	1.0000	0.0000	*
wIR[17, 4, 3]	1.4133	1.4117	0.4117	0.6033	2.2255	0.9996	0.0004	*
wIR[17, 5, 3]	0.8380	0.8447	0.2747	0.2745	1.3547	0.9970	0.0030	*
wIR[17, 6, 3]	-0.2492	-0.2465	0.3614	-0.9698	0.4556	0.2404	0.7596	*
wIR[17, 1, 4]	-0.9566	-0.9578	0.2842	-1.5085	-0.3925	0.0005	0.9995	*
wIR[17, 2, 4]	-0.6349	-0.6339	0.3514	-1.3348	0.0546	0.0348	0.9652	*
wIR[17, 3, 4]	-0.3343	-0.3324	0.3948	-1.1192	0.4304	0.1987	0.8013	*
wIR[17, 4, 4]	-0.1995	-0.2000	0.3605	-0.9072	0.5071	0.2898	0.7102	*
wIR[17, 5, 4]	-0.5080	-0.5104	0.2671	-1.0257	0.0229	0.0306	0.9694	*
wIR[17, 6, 4]	-0.6650	-0.6664	0.3816	-1.4085	0.0901	0.0418	0.9582	*
wIR[17, 1, 5]	1.4115	1.4115	0.2679	0.8855	1.9366	1.0000	0.0000	*
wIR[17, 2, 5]	-0.3067	-0.3080	0.3137	-0.9165	0.3129	0.1628	0.8372	*
wIR[17, 3, 5]	-2.1346	-2.1343	0.3545	-2.8204	-1.4349	0.0000	1.0000	*
wIR[17, 4, 5]	0.9513	0.9525	0.3444	0.2683	1.6252	0.9964	0.0036	*
wIR[17, 5, 5]	0.3901	0.3904	0.2590	-0.1180	0.8962	0.9342	0.0658	*
wIR[17, 6, 5]	0.3792	0.3790	0.3308	-0.2668	1.0285	0.8749	0.1251	*
wIR[17, 1, 6]	0.5351	0.5360	0.2701	-0.0006	1.0623	0.9749	0.0251	*
wIR[17, 2, 6]	-0.0364	-0.0391	0.3625	-0.7424	0.6870	0.4579	0.5421	
wIR[17, 3, 6]	1.0301	1.0229	0.3954	0.2667	1.8262	0.9958	0.0042	*
wIR[17, 4, 6]	0.5441	0.5407	0.3626	-0.1634	1.2626	0.9348	0.0652	*
wIR[17, 5, 6]	0.1103	0.1089	0.2551	-0.3859	0.6107	0.6663	0.3337	*
wIR[17, 6, 6]	0.3351	0.3353	0.3180	-0.2870	0.9535	0.8547	0.1453	*
wIR[17, 1, 7]	0.0468	0.0495	0.2425	-0.4377	0.5147	0.5814	0.4186	
wIR[17, 2, 7]	0.4000	0.4008	0.2963	-0.1841	0.9789	0.9113	0.0887	*
wIR[17, 3, 7]	2.1787	2.1834	0.3478	1.4914	2.8507	1.0000	0.0000	*
wIR[17, 4, 7]	0.8261	0.8237	0.3071	0.2306	1.4320	0.9960	0.0040	*
wIR[17, 5, 7]	-0.2207	-0.2213	0.2360	-0.6794	0.2494	0.1714	0.8286	*
wIR[17, 6, 7]	0.0612	0.0597	0.3340	-0.5918	0.7206	0.5716	0.4284	
wIR[18, 1, 2]	-1.2318	-1.2441	0.4545	-2.0975	-0.2989	0.0051	0.9949	*

wIR[18, 2, 2]	-0.6627	-0.6515	0.6055	-1.8918	0.5046	0.1328	0.8672	*
wIR[18, 3, 2]	-0.0876	-0.0691	0.5527	-1.2328	0.9492	0.4476	0.5524	
wIR[18, 4, 2]	-1.0563	-1.0628	0.6614	-2.3443	0.2654	0.0568	0.9432	*
wIR[18, 5, 2]	-0.4202	-0.4184	0.4302	-1.2690	0.4237	0.1622	0.8378	*
wIR[18, 6, 2]	-0.2681	-0.2720	0.4913	-1.2245	0.7027	0.2888	0.7112	*
wIR[18, 1, 3]	0.4502	0.4486	0.3756	-0.2875	1.1939	0.8867	0.1133	*
wIR[18, 2, 3]	-2.7694	-2.7756	0.4400	-3.6130	-1.8851	0.0000	1.0000	*
wIR[18, 3, 3]	-0.4795	-0.4828	0.4928	-1.4450	0.4928	0.1640	0.8360	*
wIR[18, 4, 3]	0.1414	0.1403	0.4820	-0.8122	1.0853	0.6169	0.3831	
wIR[18, 5, 3]	-0.6929	-0.6897	0.3010	-1.2954	-0.1136	0.0097	0.9903	*
wIR[18, 6, 3]	-0.8044	-0.8098	0.3884	-1.5494	-0.0294	0.0212	0.9788	*
wIR[18, 1, 4]	-0.7258	-0.7264	0.3319	-1.3724	-0.0695	0.0154	0.9846	*
wIR[18, 2, 4]	0.0647	0.0661	0.4127	-0.7512	0.8694	0.5641	0.4359	
wIR[18, 3, 4]	1.6177	1.6240	0.4659	0.6827	2.5107	0.9994	0.0006	*
wIR[18, 4, 4]	-1.2814	-1.2851	0.4056	-2.0635	-0.4774	0.0012	0.9988	*
wIR[18, 5, 4]	0.2246	0.2238	0.2930	-0.3453	0.8000	0.7781	0.2219	*
wIR[18, 6, 4]	0.1220	0.1197	0.3902	-0.6355	0.8927	0.6204	0.3796	
wIR[18, 1, 5]	0.1059	0.1017	0.3398	-0.5498	0.7861	0.6188	0.3812	
wIR[18, 2, 5]	2.4779	2.4800	0.4238	1.6420	3.3039	1.0000	0.0000	*
wIR[18, 3, 5]	1.7580	1.7637	0.4911	0.7763	2.7043	0.9997	0.0003	*
wIR[18, 4, 5]	0.3421	0.3425	0.4255	-0.4956	1.1763	0.7910	0.2090	*
wIR[18, 5, 5]	1.5520	1.5564	0.3025	0.9480	2.1352	1.0000	0.0000	*
wIR[18, 6, 5]	1.6865	1.6885	0.3595	0.9773	2.3922	1.0000	0.0000	*
wIR[18, 1, 6]	-0.6695	-0.6700	0.3569	-1.3632	0.0294	0.0304	0.9696	*
wIR[18, 2, 6]	-0.3268	-0.3228	0.4175	-1.1565	0.4814	0.2168	0.7832	*
wIR[18, 3, 6]	1.4205	1.4286	0.4836	0.4442	2.3473	0.9977	0.0023	*
wIR[18, 4, 6]	-0.5961	-0.6050	0.4073	-1.3673	0.2202	0.0747	0.9253	*
wIR[18, 5, 6]	-0.2366	-0.2346	0.2949	-0.8187	0.3361	0.2106	0.7894	*
wIR[18, 6, 6]	0.4724	0.4743	0.3715	-0.2581	1.2007	0.8995	0.1005	*
wIR[19, 1, 2]	0.4758	0.4764	0.5196	-0.5551	1.4962	0.8231	0.1769	*
wIR[19, 2, 2]	0.0296	0.0148	0.6213	-1.1543	1.2961	0.5098	0.4902	
wIR[19, 3, 2]	0.9397	0.9324	0.6296	-0.2811	2.2009	0.9344	0.0656	*
wIR[19, 4, 2]	1.0993	1.1081	0.6504	-0.1970	2.3671	0.9522	0.0478	*
wIR[19, 5, 2]	-0.6371	-0.6463	0.4671	-1.5368	0.2930	0.0878	0.9122	*
wIR[19, 6, 2]	-0.4396	-0.4429	0.5806	-1.5683	0.7079	0.2225	0.7775	*
wIR[19, 1, 3]	0.4253	0.4236	0.3755	-0.3073	1.1725	0.8741	0.1259	*
wIR[19, 2, 3]	1.1861	1.2062	0.4182	0.2877	1.9564	0.9929	0.0071	*
wIR[19, 3, 3]	1.2272	1.2391	0.5037	0.1722	2.1891	0.9865	0.0135	*
wIR[19, 4, 3]	0.2886	0.2875	0.4388	-0.5792	1.1498	0.7498	0.2502	*
wIR[19, 5, 3]	-0.5428	-0.5449	0.3172	-1.1573	0.0883	0.0446	0.9554	*
wIR[19, 6, 3]	-1.1113	-1.1168	0.4715	-2.0201	-0.1699	0.0110	0.9890	*
wIR[19, 1, 4]	0.2315	0.2281	0.2627	-0.2793	0.7555	0.8125	0.1875	*
wIR[19, 2, 4]	0.6713	0.6743	0.3167	0.0429	1.2867	0.9819	0.0181	*
wIR[19, 3, 4]	1.1382	1.1341	0.3641	0.4320	1.8607	0.9989	0.0011	*
wIR[19, 4, 4]	0.6964	0.7019	0.3750	-0.0486	1.4228	0.9672	0.0328	*
wIR[19, 5, 4]	0.0337	0.0349	0.2615	-0.4809	0.5449	0.5541	0.4459	
wIR[19, 6, 4]	-0.1195	-0.1157	0.4139	-0.9432	0.6873	0.3875	0.6125	
wIR[19, 1, 5]	1.4148	1.4143	0.2388	0.9469	1.8842	1.0000	0.0000	*
wIR[19, 2, 5]	-1.0097	-1.0095	0.2841	-1.5658	-0.4514	0.0004	0.9996	*
wIR[19, 3, 5]	-1.4881	-1.4900	0.3420	-2.1566	-0.8097	0.0000	1.0000	*

wIR[19, 4, 5]	1.2425	1.2429	0.3471	0.5561	1.9256	0.9996	0.0004	*
wIR[19, 5, 5]	0.3983	0.3951	0.2299	-0.0451	0.8568	0.9607	0.0393	*
wIR[19, 6, 5]	-0.6372	-0.6463	0.3246	-1.2511	0.0317	0.0303	0.9697	*
wIR[19, 1, 6]	0.4903	0.4933	0.3113	-0.1241	1.0942	0.9411	0.0589	*
wIR[19, 2, 6]	-1.0767	-1.0761	0.3889	-1.8377	-0.3149	0.0025	0.9975	*
wIR[19, 3, 6]	1.5216	1.5303	0.4394	0.6326	2.3618	0.9994	0.0006	*
wIR[19, 4, 6]	-0.7698	-0.7741	0.3682	-1.4791	-0.0329	0.0205	0.9795	*
wIR[19, 5, 6]	-0.8667	-0.8714	0.2710	-1.3814	-0.3189	0.0016	0.9984	*
wIR[19, 6, 6]	-0.4072	-0.4120	0.3252	-1.0346	0.2419	0.1063	0.8937	*
wIR[19, 1, 7]	0.6936	0.7100	0.7521	-0.8158	2.1333	0.8232	0.1768	*
wIR[19, 2, 7]	0.2921	0.3011	0.9874	-1.6688	2.2432	0.6216	0.3784	
wIR[19, 3, 7]	0.2399	0.2272	1.2674	-2.2142	2.7603	0.5728	0.4272	
wIR[19, 4, 7]	-0.9819	-1.0861	0.8141	-2.3197	0.8594	0.1218	0.8782	*
wIR[19, 5, 7]	0.4210	0.4218	0.6352	-0.8427	1.6656	0.7502	0.2498	*
wIR[19, 6, 7]	0.2135	0.2079	0.7106	-1.1807	1.6195	0.6181	0.3819	
wIR[20, 1, 2]	0.1609	0.1658	0.4501	-0.7386	1.0302	0.6463	0.3537	
wIR[20, 2, 2]	-0.2719	-0.2892	0.4480	-1.1131	0.6619	0.2555	0.7445	*
wIR[20, 3, 2]	0.9745	0.9720	0.5042	-0.0215	1.9749	0.9725	0.0275	*
wIR[20, 4, 2]	-1.1895	-1.1908	0.5807	-2.3196	-0.0334	0.0218	0.9782	*
wIR[20, 5, 2]	-0.6395	-0.6450	0.3898	-1.3883	0.1432	0.0526	0.9474	*
wIR[20, 6, 2]	-0.2229	-0.2246	0.4517	-1.1123	0.6671	0.3069	0.6931	*
wIR[20, 1, 3]	0.0035	-0.0039	0.3527	-0.6673	0.7196	0.4958	0.5042	
wIR[20, 2, 3]	-1.6193	-1.6178	0.3775	-2.3744	-0.8813	0.0000	1.0000	*
wIR[20, 3, 3]	-1.3409	-1.3437	0.4604	-2.2372	-0.4202	0.0031	0.9969	*
wIR[20, 4, 3]	0.7510	0.7500	0.4312	-0.0887	1.5994	0.9602	0.0398	*
wIR[20, 5, 3]	-1.7673	-1.7696	0.2766	-2.3085	-1.2151	0.0000	1.0000	*
wIR[20, 6, 3]	-0.1817	-0.1763	0.3791	-0.9395	0.5458	0.3180	0.6820	*
wIR[20, 1, 4]	0.1172	0.1167	0.3124	-0.4966	0.7309	0.6477	0.3523	
wIR[20, 2, 4]	-0.2638	-0.2689	0.3895	-1.0174	0.5223	0.2433	0.7567	*
wIR[20, 3, 4]	-0.7023	-0.7066	0.4276	-1.5301	0.1527	0.0511	0.9489	*
wIR[20, 4, 4]	0.8218	0.8285	0.3824	0.0558	1.5591	0.9815	0.0185	*
wIR[20, 5, 4]	-0.3349	-0.3382	0.2926	-0.8987	0.2491	0.1265	0.8735	*
wIR[20, 6, 4]	-1.2593	-1.2643	0.4015	-2.0348	-0.4638	0.0013	0.9987	*
wIR[20, 1, 5]	-0.2258	-0.2239	0.2691	-0.7532	0.3013	0.1997	0.8003	*
wIR[20, 2, 5]	1.6692	1.6736	0.3298	1.0076	2.3015	1.0000	0.0000	*
wIR[20, 3, 5]	1.9864	1.9835	0.3679	1.2776	2.7193	1.0000	0.0000	*
wIR[20, 4, 5]	-0.6687	-0.6670	0.3613	-1.3856	0.0327	0.0312	0.9688	*
wIR[20, 5, 5]	0.5193	0.5214	0.2694	-0.0145	1.0459	0.9720	0.0280	*
wIR[20, 6, 5]	0.4751	0.4770	0.3479	-0.2103	1.1518	0.9136	0.0864	*
wIR[20, 1, 6]	-2.1759	-2.1789	0.2715	-2.7021	-1.6333	0.0000	1.0000	*
wIR[20, 2, 6]	-1.7564	-1.7591	0.3397	-2.4228	-1.0790	0.0000	1.0000	*
wIR[20, 3, 6]	1.5948	1.6014	0.3904	0.8134	2.3491	0.9997	0.0003	*
wIR[20, 4, 6]	-2.0181	-2.0243	0.3429	-2.6787	-1.3281	0.0000	1.0000	*
wIR[20, 5, 6]	-1.1110	-1.1159	0.2672	-1.6267	-0.5712	0.0001	0.9999	*
wIR[20, 6, 6]	0.4633	0.4612	0.3328	-0.1886	1.1247	0.9199	0.0801	*
wIR[20, 1, 7]	0.4242	0.4226	0.3316	-0.2252	1.0760	0.9010	0.0990	*
wIR[20, 2, 7]	0.8499	0.8522	0.4309	-0.0012	1.6902	0.9748	0.0252	*
wIR[20, 3, 7]	-1.0728	-1.0640	0.4875	-2.0475	-0.1399	0.0125	0.9875	*
wIR[20, 4, 7]	-1.3412	-1.3459	0.4059	-2.1217	-0.5248	0.0013	0.9987	*
wIR[20, 5, 7]	0.2004	0.2002	0.3171	-0.4275	0.8227	0.7395	0.2605	*

wIR[20, 6, 7]	-0.2088	-0.2086	0.3769	-0.9457	0.5336	0.2874	0.7126	*
wIR[21, 1, 2]	-0.3128	-0.3130	0.4131	-1.1312	0.5021	0.2210	0.7790	*
wIR[21, 2, 2]	-1.6113	-1.6200	0.4087	-2.3904	-0.7758	0.0006	0.9994	*
wIR[21, 3, 2]	-1.9595	-1.9629	0.4706	-2.8650	-1.0175	0.0002	0.9998	*
wIR[21, 4, 2]	-1.2207	-1.2204	0.5550	-2.3059	-0.1245	0.0147	0.9853	*
wIR[21, 5, 2]	-0.9460	-0.9517	0.3611	-1.6408	-0.2182	0.0066	0.9934	*
wIR[21, 6, 2]	-0.3703	-0.3700	0.4192	-1.1981	0.4541	0.1848	0.8152	*
wIR[21, 1, 3]	-0.3729	-0.3776	0.3295	-1.0000	0.2885	0.1284	0.8716	*
wIR[21, 2, 3]	-0.0943	-0.0944	0.3438	-0.7802	0.5817	0.3887	0.6113	
wIR[21, 3, 3]	-0.3554	-0.3630	0.4006	-1.1330	0.4483	0.1852	0.8148	*
wIR[21, 4, 3]	0.2527	0.2503	0.3984	-0.5240	1.0400	0.7375	0.2625	*
wIR[21, 5, 3]	-0.4339	-0.4319	0.2451	-0.9226	0.0421	0.0374	0.9626	*
wIR[21, 6, 3]	-0.2185	-0.2171	0.3354	-0.8854	0.4356	0.2564	0.7436	*
wIR[21, 1, 4]	0.0432	0.0446	0.2537	-0.4613	0.5377	0.5710	0.4290	
wIR[21, 2, 4]	0.2611	0.2621	0.2915	-0.3187	0.8263	0.8185	0.1815	*
wIR[21, 3, 4]	-0.0770	-0.0719	0.3798	-0.8337	0.6542	0.4246	0.5754	
wIR[21, 4, 4]	0.6763	0.6832	0.3070	0.0521	1.2610	0.9823	0.0177	*
wIR[21, 5, 4]	-0.6034	-0.6052	0.2555	-1.0982	-0.0926	0.0107	0.9893	*
wIR[21, 6, 4]	-0.5766	-0.5803	0.3513	-1.2639	0.1256	0.0518	0.9482	*
wIR[21, 1, 5]	-1.4796	-1.4770	0.2635	-2.0031	-0.9676	0.0000	1.0000	*
wIR[21, 2, 5]	1.0661	1.0652	0.2977	0.4875	1.6533	0.9996	0.0004	*
wIR[21, 3, 5]	1.3336	1.3314	0.3774	0.5909	2.0718	0.9996	0.0004	*
wIR[21, 4, 5]	-1.3670	-1.3670	0.3066	-1.9707	-0.7659	0.0000	1.0000	*
wIR[21, 5, 5]	-0.2210	-0.2216	0.2256	-0.6648	0.2219	0.1624	0.8376	*
wIR[21, 6, 5]	0.0922	0.0911	0.2886	-0.4746	0.6575	0.6268	0.3732	
wIR[21, 1, 6]	0.0055	0.0123	0.2812	-0.5692	0.5366	0.5178	0.4822	
wIR[21, 2, 6]	-0.6406	-0.6437	0.3327	-1.2877	0.0216	0.0286	0.9714	*
wIR[21, 3, 6]	-0.4173	-0.4185	0.3943	-1.1857	0.3717	0.1423	0.8577	*
wIR[21, 4, 6]	-1.1043	-1.0986	0.3259	-1.7567	-0.4795	0.0003	0.9997	*
wIR[21, 5, 6]	0.1999	0.1956	0.2517	-0.2840	0.7065	0.7869	0.2131	*
wIR[21, 6, 6]	0.6529	0.6549	0.3015	0.0570	1.2430	0.9843	0.0157	*
wIR[21, 1, 7]	-0.4116	-0.4105	0.2577	-0.9210	0.0925	0.0551	0.9449	*
wIR[21, 2, 7]	-2.7451	-2.7458	0.3198	-3.3688	-2.1141	0.0000	1.0000	*
wIR[21, 3, 7]	-2.4881	-2.4920	0.3709	-3.2118	-1.7530	0.0000	1.0000	*
wIR[21, 4, 7]	-1.9161	-1.9255	0.3367	-2.5529	-1.2309	0.0000	1.0000	*
wIR[21, 5, 7]	-0.9396	-0.9350	0.2434	-1.4305	-0.4750	0.0000	1.0000	*
wIR[21, 6, 7]	-0.6037	-0.6030	0.3307	-1.2587	0.0408	0.0335	0.9665	*
wIR[22, 1, 2]	-0.1851	-0.1832	0.4170	-1.0052	0.6311	0.3276	0.6724	*
wIR[22, 2, 2]	-0.2027	-0.2122	0.4103	-0.9842	0.6404	0.2972	0.7028	*
wIR[22, 3, 2]	-0.3399	-0.3456	0.4690	-1.2477	0.6033	0.2280	0.7720	*
wIR[22, 4, 2]	-0.3389	-0.3404	0.5562	-1.4335	0.7633	0.2667	0.7333	*
wIR[22, 5, 2]	-0.6023	-0.6076	0.3655	-1.3100	0.1314	0.0527	0.9473	*
wIR[22, 6, 2]	-0.0524	-0.0519	0.4213	-0.8856	0.7771	0.4492	0.5508	
wIR[22, 1, 3]	0.1269	0.1221	0.3247	-0.5022	0.7791	0.6490	0.3510	
wIR[22, 2, 3]	0.6799	0.6791	0.3375	0.0096	1.3469	0.9764	0.0236	*
wIR[22, 3, 3]	0.7767	0.7716	0.3949	0.0143	1.5711	0.9772	0.0228	*
wIR[22, 4, 3]	0.3020	0.3029	0.3956	-0.4781	1.0751	0.7811	0.2189	*
wIR[22, 5, 3]	-1.1647	-1.1675	0.2481	-1.6454	-0.6670	0.0000	1.0000	*
wIR[22, 6, 3]	-0.4235	-0.4235	0.3429	-1.0989	0.2556	0.1062	0.8938	*
wIR[22, 1, 4]	0.8132	0.8135	0.2624	0.2975	1.3299	0.9988	0.0012	*

wIR[22, 2, 4]	0.7377	0.7335	0.3089	0.1393	1.3552	0.9921	0.0079	*
wIR[22, 3, 4]	-0.3576	-0.3579	0.3957	-1.1320	0.4271	0.1798	0.8202	*
wIR[22, 4, 4]	1.2225	1.2255	0.3262	0.5711	1.8494	0.9997	0.0003	*
wIR[22, 5, 4]	-0.0161	-0.0199	0.2573	-0.5127	0.4985	0.4696	0.5304	
wIR[22, 6, 4]	-0.4151	-0.4195	0.3639	-1.1222	0.3042	0.1267	0.8733	*
wIR[22, 1, 5]	-0.0560	-0.0531	0.2608	-0.5729	0.4503	0.4195	0.5805	
wIR[22, 2, 5]	2.8632	2.8665	0.3015	2.2624	3.4488	1.0000	0.0000	*
wIR[22, 3, 5]	3.0031	3.0009	0.3717	2.2797	3.7352	1.0000	0.0000	*
wIR[22, 4, 5]	-1.0649	-1.0642	0.3181	-1.6847	-0.4416	0.0005	0.9995	*
wIR[22, 5, 5]	-0.2805	-0.2821	0.2311	-0.7286	0.1780	0.1115	0.8885	*
wIR[22, 6, 5]	0.1952	0.1949	0.3057	-0.4050	0.7979	0.7393	0.2607	*
wIR[22, 1, 6]	0.1078	0.1056	0.3075	-0.4884	0.7212	0.6350	0.3650	
wIR[22, 2, 6]	1.2703	1.2717	0.3510	0.5746	1.9578	0.9998	0.0002	*
wIR[22, 3, 6]	0.7311	0.7299	0.4323	-0.1210	1.5818	0.9549	0.0451	*
wIR[22, 4, 6]	-0.8541	-0.8545	0.3790	-1.5918	-0.1046	0.0127	0.9873	*
wIR[22, 5, 6]	1.3565	1.3555	0.2699	0.8296	1.8907	1.0000	0.0000	*
wIR[22, 6, 6]	0.5064	0.5050	0.3073	-0.0932	1.1071	0.9509	0.0491	*
wIR[22, 1, 7]	-0.3247	-0.3259	0.2902	-0.8920	0.2482	0.1317	0.8683	*
wIR[22, 2, 7]	0.8565	0.8652	0.3506	0.1461	1.5209	0.9899	0.0101	*
wIR[22, 3, 7]	-0.1322	-0.1268	0.4171	-0.9699	0.6688	0.3805	0.6195	
wIR[22, 4, 7]	-0.7155	-0.7176	0.3369	-1.3704	-0.0434	0.0187	0.9813	*
wIR[22, 5, 7]	1.1769	1.1799	0.2623	0.6556	1.6872	1.0000	0.0000	*
wIR[22, 6, 7]	0.5429	0.5396	0.3315	-0.1039	1.2001	0.9502	0.0498	*
wIR[23, 1, 2]	-0.1771	-0.1774	0.4489	-1.0633	0.7038	0.3440	0.6560	*
wIR[23, 2, 2]	0.0502	0.0385	0.6126	-1.1227	1.2898	0.5254	0.4746	
wIR[23, 3, 2]	-1.4831	-1.5026	0.5869	-2.5896	-0.2749	0.0100	0.9900	*
wIR[23, 4, 2]	1.2953	1.3035	0.6935	-0.0878	2.6235	0.9674	0.0326	*
wIR[23, 5, 2]	-0.2513	-0.2558	0.4337	-1.0852	0.6170	0.2773	0.7227	*
wIR[23, 6, 2]	0.5476	0.5496	0.4795	-0.4040	1.4812	0.8744	0.1256	*
wIR[23, 1, 3]	1.2557	1.2563	0.3856	0.4971	2.0089	0.9992	0.0008	*
wIR[23, 2, 3]	-0.8569	-0.8625	0.4043	-1.6310	-0.0400	0.0201	0.9799	*
wIR[23, 3, 3]	-1.7235	-1.7333	0.4821	-2.6454	-0.7603	0.0002	0.9998	*
wIR[23, 4, 3]	0.9107	0.9134	0.4418	0.0277	1.7657	0.9785	0.0215	*
wIR[23, 5, 3]	-0.3107	-0.3129	0.3031	-0.9005	0.2894	0.1508	0.8492	*
wIR[23, 6, 3]	0.2258	0.2281	0.3825	-0.5271	0.9754	0.7232	0.2768	*
wIR[23, 1, 4]	0.2942	0.2953	0.3180	-0.3356	0.9091	0.8240	0.1760	*
wIR[23, 2, 4]	-0.5504	-0.5494	0.3819	-1.2993	0.2000	0.0740	0.9260	*
wIR[23, 3, 4]	-0.4272	-0.4278	0.4427	-1.2967	0.4421	0.1668	0.8332	*
wIR[23, 4, 4]	1.3391	1.3435	0.3832	0.5716	2.0815	0.9994	0.0006	*
wIR[23, 5, 4]	-0.9315	-0.9341	0.3094	-1.5310	-0.3190	0.0011	0.9989	*
wIR[23, 6, 4]	-0.3575	-0.3585	0.4103	-1.1574	0.4486	0.1920	0.8080	*
wIR[23, 1, 5]	-0.4042	-0.4032	0.2644	-0.9315	0.1101	0.0618	0.9382	*
wIR[23, 2, 5]	-0.0087	-0.0116	0.3062	-0.6022	0.5985	0.4843	0.5157	
wIR[23, 3, 5]	0.1886	0.1894	0.3495	-0.4948	0.8767	0.7050	0.2950	*
wIR[23, 4, 5]	-2.1409	-2.1402	0.3322	-2.7945	-1.4898	0.0000	1.0000	*
wIR[23, 5, 5]	-0.1281	-0.1282	0.2381	-0.5977	0.3406	0.2944	0.7056	*
wIR[23, 6, 5]	0.8604	0.8605	0.3394	0.1921	1.5287	0.9941	0.0059	*
wIR[23, 1, 6]	-1.7414	-1.7447	0.3189	-2.3544	-1.1087	0.0000	1.0000	*
wIR[23, 2, 6]	0.8957	0.8950	0.3744	0.1554	1.6306	0.9909	0.0091	*
wIR[23, 3, 6]	-0.4821	-0.4822	0.4423	-1.3477	0.3914	0.1357	0.8643	*

wIR[23, 4, 6]	-1.0963	-1.1008	0.3910	-1.8526	-0.3182	0.0034	0.9966	*
wIR[23, 5, 6]	1.1697	1.1699	0.2791	0.6202	1.7194	1.0000	0.0000	*
wIR[23, 6, 6]	0.9271	0.9263	0.3612	0.2162	1.6367	0.9947	0.0053	*
wIR[23, 1, 7]	0.3749	0.3753	0.3252	-0.2610	1.0173	0.8781	0.1219	*
wIR[23, 2, 7]	1.2452	1.2507	0.4045	0.4338	2.0236	0.9983	0.0017	*
wIR[23, 3, 7]	-1.1098	-1.1095	0.4769	-2.0480	-0.1716	0.0107	0.9893	*
wIR[23, 4, 7]	-0.1697	-0.1683	0.4154	-0.9923	0.6462	0.3398	0.6602	*
wIR[23, 5, 7]	0.8158	0.8201	0.3126	0.1939	1.4240	0.9952	0.0048	*
wIR[23, 6, 7]	0.8050	0.8068	0.4205	-0.0238	1.6232	0.9715	0.0285	*
wIR[24, 1, 2]	0.3961	0.3995	0.4211	-0.4441	1.2189	0.8304	0.1696	*
wIR[24, 2, 2]	-1.8115	-1.8203	0.4370	-2.6512	-0.9248	0.0002	0.9998	*
wIR[24, 3, 2]	-2.6703	-2.6793	0.5033	-3.6315	-1.6468	0.0000	1.0000	*
wIR[24, 4, 2]	1.5125	1.5236	0.6023	0.2991	2.6690	0.9923	0.0077	*
wIR[24, 5, 2]	-0.8724	-0.8830	0.3844	-1.6042	-0.0859	0.0156	0.9844	*
wIR[24, 6, 2]	-0.3052	-0.3089	0.4300	-1.1486	0.5474	0.2373	0.7627	*
wIR[24, 1, 3]	1.8338	1.8364	0.3696	1.0979	2.5529	1.0000	0.0000	*
wIR[24, 2, 3]	1.2890	1.2945	0.4245	0.4297	2.1032	0.9958	0.0042	*
wIR[24, 3, 3]	1.4110	1.4137	0.4768	0.4553	2.3368	0.9959	0.0041	*
wIR[24, 4, 3]	0.6191	0.6207	0.4268	-0.2280	1.4511	0.9263	0.0737	*
wIR[24, 5, 3]	0.9054	0.9084	0.2948	0.3207	1.4726	0.9978	0.0022	*
wIR[24, 6, 3]	-0.6249	-0.6300	0.3708	-1.3417	0.1216	0.0479	0.9521	*
wIR[24, 1, 4]	0.7234	0.7256	0.3112	0.1105	1.3259	0.9895	0.0105	*
wIR[24, 2, 4]	-0.0955	-0.0863	0.4129	-0.9304	0.6957	0.4152	0.5848	
wIR[24, 3, 4]	0.3874	0.3903	0.4648	-0.5449	1.2939	0.8012	0.1988	*
wIR[24, 4, 4]	1.5678	1.5733	0.4045	0.7607	2.3473	0.9999	0.0001	*
wIR[24, 5, 4]	-0.7522	-0.7531	0.3153	-1.3702	-0.1307	0.0091	0.9909	*
wIR[24, 6, 4]	0.0025	0.0094	0.4271	-0.8561	0.8300	0.5092	0.4908	
wIR[24, 1, 5]	-0.3682	-0.3686	0.2704	-0.8961	0.1615	0.0857	0.9143	*
wIR[24, 2, 5]	0.4691	0.4659	0.3364	-0.1806	1.1364	0.9207	0.0793	*
wIR[24, 3, 5]	0.1973	0.1996	0.3931	-0.5826	0.9640	0.6962	0.3038	*
wIR[24, 4, 5]	-0.9020	-0.9036	0.3660	-1.6174	-0.1737	0.0083	0.9917	*
wIR[24, 5, 5]	0.2560	0.2533	0.2659	-0.2615	0.7885	0.8349	0.1651	*
wIR[24, 6, 5]	-0.5068	-0.5100	0.3427	-1.1754	0.1792	0.0703	0.9297	*
wIR[24, 1, 6]	0.5042	0.5089	0.2720	-0.0403	1.0271	0.9657	0.0343	*
wIR[24, 2, 6]	1.6165	1.6184	0.3308	0.9618	2.2596	1.0000	0.0000	*
wIR[24, 3, 6]	2.7325	2.7349	0.3819	1.9759	3.4786	1.0000	0.0000	*
wIR[24, 4, 6]	0.2161	0.2145	0.3586	-0.4899	0.9230	0.7287	0.2713	*
wIR[24, 5, 6]	1.2091	1.2065	0.2465	0.7328	1.7035	1.0000	0.0000	*
wIR[24, 6, 6]	1.2198	1.2182	0.3179	0.5978	1.8472	0.9999	0.0001	*
wIR[24, 1, 7]	0.0801	0.0790	0.2770	-0.4611	0.6258	0.6125	0.3875	
wIR[24, 2, 7]	-0.8620	-0.8605	0.3480	-1.5417	-0.1847	0.0064	0.9936	*
wIR[24, 3, 7]	-1.4158	-1.4156	0.3958	-2.2008	-0.6451	0.0003	0.9997	*
wIR[24, 4, 7]	0.9244	0.9193	0.3443	0.2539	1.6143	0.9967	0.0033	*
wIR[24, 5, 7]	0.0727	0.0755	0.2662	-0.4599	0.5886	0.6122	0.3878	
wIR[24, 6, 7]	-0.0157	-0.0144	0.3196	-0.6476	0.6110	0.4812	0.5188	
wIR[25, 1, 2]	0.0028	0.0015	0.9037	-1.7603	1.7756	0.5007	0.4993	
wIR[25, 2, 2]	0.0058	0.0045	1.4680	-2.8704	2.9009	0.5012	0.4988	
wIR[25, 3, 2]	-0.0065	-0.0029	1.8226	-3.5706	3.5738	0.4991	0.5009	
wIR[25, 4, 2]	-0.0026	-0.0045	1.2378	-2.4231	2.4191	0.4987	0.5013	
wIR[25, 5, 2]	0.0027	0.0011	0.7920	-1.5483	1.5613	0.5005	0.4995	

wIR[25, 6, 2]	-0.0026	-0.0014	0.7813	-1.5383	1.5375	0.4992	0.5008	
wIR[26, 1, 2]	-0.4952	-0.4982	0.4104	-1.2973	0.3207	0.1126	0.8874	*
wIR[26, 2, 2]	1.9544	1.9626	0.4239	1.0879	2.7673	1.0000	0.0000	*
wIR[26, 3, 2]	0.6282	0.6280	0.5015	-0.3589	1.6200	0.8969	0.1031	*
wIR[26, 4, 2]	0.9714	0.9777	0.5900	-0.2030	2.1092	0.9488	0.0512	*
wIR[26, 5, 2]	0.2828	0.2820	0.3681	-0.4409	1.0099	0.7823	0.2177	*
wIR[26, 6, 2]	0.6643	0.6696	0.4295	-0.1993	1.4933	0.9380	0.0620	*
wIR[26, 1, 3]	-0.5947	-0.5985	0.3852	-1.3463	0.1735	0.0621	0.9379	*
wIR[26, 2, 3]	-0.5925	-0.5746	0.4584	-1.5657	0.2582	0.0885	0.9115	*
wIR[26, 3, 3]	0.5715	0.6111	0.5672	-0.7351	1.5787	0.8579	0.1421	*
wIR[26, 4, 3]	0.1147	0.1154	0.4257	-0.7288	0.9409	0.6080	0.3920	
wIR[26, 5, 3]	-0.3684	-0.3672	0.2993	-0.9632	0.2143	0.1057	0.8943	*
wIR[26, 6, 3]	0.1115	0.1242	0.3920	-0.6981	0.8513	0.6265	0.3735	
wIR[26, 1, 4]	1.3298	1.3299	0.2647	0.8108	1.8530	1.0000	0.0000	*
wIR[26, 2, 4]	1.0138	1.0132	0.3292	0.3693	1.6607	0.9991	0.0009	*
wIR[26, 3, 4]	1.5109	1.5161	0.3812	0.7548	2.2488	0.9999	0.0001	*
wIR[26, 4, 4]	2.5063	2.5116	0.3393	1.8284	3.1598	1.0000	0.0000	*
wIR[26, 5, 4]	0.1382	0.1389	0.2731	-0.4011	0.6726	0.6979	0.3021	*
wIR[26, 6, 4]	0.4959	0.5218	0.4402	-0.4620	1.2951	0.8742	0.1258	*
wIR[26, 1, 5]	-1.5352	-1.5352	0.2833	-2.0936	-0.9771	0.0000	1.0000	*
wIR[26, 2, 5]	0.1968	0.1959	0.3700	-0.5303	0.9272	0.7051	0.2949	*
wIR[26, 3, 5]	-0.3424	-0.3417	0.4388	-1.2103	0.5132	0.2174	0.7826	*
wIR[26, 4, 5]	-0.0441	-0.0466	0.3789	-0.7878	0.7062	0.4515	0.5485	
wIR[26, 5, 5]	0.1221	0.1199	0.2823	-0.4309	0.6763	0.6670	0.3330	*
wIR[26, 6, 5]	0.5821	0.5765	0.3481	-0.0851	1.2814	0.9554	0.0446	*
wIR[26, 1, 6]	-1.6495	-1.6484	0.3047	-2.2510	-1.0562	0.0000	1.0000	*
wIR[26, 2, 6]	0.3920	0.3907	0.3725	-0.3425	1.1294	0.8565	0.1435	*
wIR[26, 3, 6]	1.6832	1.6837	0.4327	0.8224	2.5286	0.9998	0.0002	*
wIR[26, 4, 6]	-1.9808	-1.9759	0.3854	-2.7448	-1.2390	0.0000	1.0000	*
wIR[26, 5, 6]	-0.1690	-0.1743	0.2862	-0.7156	0.4125	0.2712	0.7288	*
wIR[26, 6, 6]	0.0504	0.0481	0.3377	-0.6086	0.7185	0.5579	0.4421	
wIR[26, 1, 7]	0.3955	0.3959	0.2944	-0.1802	0.9724	0.9105	0.0895	*
wIR[26, 2, 7]	-0.8738	-0.8720	0.3490	-1.5627	-0.1922	0.0061	0.9939	*
wIR[26, 3, 7]	-1.4708	-1.4756	0.4043	-2.2548	-0.6642	0.0002	0.9998	*
wIR[26, 4, 7]	0.2191	0.2177	0.3425	-0.4456	0.9017	0.7393	0.2607	*
wIR[26, 5, 7]	0.1084	0.1107	0.2792	-0.4436	0.6509	0.6522	0.3478	*
wIR[26, 6, 7]	-0.1905	-0.1900	0.3561	-0.8933	0.4994	0.2974	0.7026	*
wIR[27, 1, 2]	-0.5398	-0.5460	0.4159	-1.3445	0.2972	0.0973	0.9027	*
wIR[27, 2, 2]	1.8280	1.8364	0.4429	0.9312	2.6798	0.9999	0.0001	*
wIR[27, 3, 2]	1.7486	1.7537	0.5275	0.6957	2.7766	0.9991	0.0009	*
wIR[27, 4, 2]	1.1693	1.1764	0.5975	-0.0293	2.3240	0.9722	0.0278	*
wIR[27, 5, 2]	0.3722	0.3720	0.3731	-0.3599	1.1075	0.8438	0.1562	*
wIR[27, 6, 2]	0.8004	0.8010	0.4334	-0.0605	1.6502	0.9666	0.0334	*
wIR[27, 1, 3]	-0.2835	-0.2879	0.3928	-1.0435	0.5069	0.2307	0.7693	*
wIR[27, 2, 3]	0.5053	0.5063	0.4219	-0.3287	1.3329	0.8866	0.1134	*
wIR[27, 3, 3]	1.5724	1.5786	0.5173	0.5232	2.5683	0.9964	0.0036	*
wIR[27, 4, 3]	0.0098	0.0099	0.4303	-0.8383	0.8585	0.5095	0.4905	
wIR[27, 5, 3]	-0.2779	-0.2775	0.3104	-0.8926	0.3260	0.1827	0.8173	*
wIR[27, 6, 3]	0.4856	0.4957	0.3888	-0.3088	1.2265	0.8934	0.1066	*
wIR[27, 1, 4]	1.1129	1.1127	0.2655	0.5857	1.6334	0.9999	0.0001	*

wIR[27, 2, 4]	0.8997	0.9004	0.3292	0.2485	1.5499	0.9965	0.0035	*
wIR[27, 3, 4]	0.1131	0.1152	0.3915	-0.6611	0.8804	0.6184	0.3816	
wIR[27, 4, 4]	1.9560	1.9583	0.3450	1.2713	2.6235	1.0000	0.0000	*
wIR[27, 5, 4]	-0.0062	-0.0109	0.2640	-0.5109	0.5230	0.4837	0.5163	
wIR[27, 6, 4]	0.0999	0.1035	0.3942	-0.6871	0.8610	0.6044	0.3956	
wIR[27, 1, 5]	-1.0797	-1.0777	0.2659	-1.6071	-0.5627	0.0000	1.0000	*
wIR[27, 2, 5]	-1.6446	-1.6445	0.3401	-2.3136	-0.9691	0.0000	1.0000	*
wIR[27, 3, 5]	-1.8929	-1.8980	0.4160	-2.7028	-1.0699	0.0000	1.0000	*
wIR[27, 4, 5]	-1.0577	-1.0629	0.3489	-1.7274	-0.3512	0.0022	0.9978	*
wIR[27, 5, 5]	0.0528	0.0514	0.2652	-0.4675	0.5705	0.5770	0.4230	
wIR[27, 6, 5]	0.8263	0.8260	0.3315	0.1755	1.4809	0.9932	0.0068	*
wIR[27, 1, 6]	-0.2208	-0.2198	0.2788	-0.7734	0.3209	0.2139	0.7861	*
wIR[27, 2, 6]	-1.5292	-1.5334	0.3446	-2.1922	-0.8385	0.0000	1.0000	*
wIR[27, 3, 6]	-1.3046	-1.3021	0.4191	-2.1367	-0.4886	0.0007	0.9993	*
wIR[27, 4, 6]	1.2161	1.2172	0.3591	0.5077	1.9165	0.9993	0.0007	*
wIR[27, 5, 6]	-0.3514	-0.3575	0.2739	-0.8735	0.1993	0.1011	0.8989	*
wIR[27, 6, 6]	0.4316	0.4281	0.3398	-0.2222	1.1070	0.8995	0.1005	*
wIR[27, 1, 7]	-0.0026	-0.0059	0.9054	-1.7842	1.7741	0.4976	0.5024	
wIR[27, 2, 7]	0.0013	0.0086	1.4633	-2.8539	2.8756	0.5021	0.4979	
wIR[27, 3, 7]	0.0140	0.0204	1.8167	-3.5371	3.5857	0.5042	0.4958	
wIR[27, 4, 7]	-0.0028	-0.0040	1.2314	-2.4094	2.4114	0.4988	0.5012	
wIR[27, 5, 7]	0.0021	0.0056	0.7893	-1.5450	1.5528	0.5028	0.4972	
wIR[27, 6, 7]	0.0044	0.0044	0.7790	-1.5233	1.5303	0.5024	0.4976	
wIR[28, 1, 2]	0.3632	0.3678	0.4210	-0.4791	1.1748	0.8081	0.1919	*
wIR[28, 2, 2]	-2.0419	-2.0537	0.4156	-2.8347	-1.1808	0.0001	0.9999	*
wIR[28, 3, 2]	-3.6311	-3.6467	0.4885	-4.5466	-2.6200	0.0000	1.0000	*
wIR[28, 4, 2]	-0.2546	-0.2511	0.5722	-1.3938	0.8596	0.3286	0.6714	*
wIR[28, 5, 2]	0.0604	0.0624	0.3727	-0.6823	0.7930	0.5676	0.4324	
wIR[28, 6, 2]	0.1577	0.1659	0.4355	-0.7165	0.9941	0.6485	0.3515	
wIR[28, 1, 3]	0.6307	0.6258	0.3428	-0.0297	1.3180	0.9699	0.0301	*
wIR[28, 2, 3]	0.7862	0.7943	0.3735	0.0237	1.5029	0.9780	0.0220	*
wIR[28, 3, 3]	0.3051	0.3028	0.4318	-0.5495	1.1563	0.7661	0.2339	*
wIR[28, 4, 3]	1.1036	1.1071	0.4122	0.2888	1.9128	0.9956	0.0044	*
wIR[28, 5, 3]	0.3033	0.3080	0.2809	-0.2636	0.8430	0.8631	0.1369	*
wIR[28, 6, 3]	0.2726	0.2742	0.3524	-0.4203	0.9662	0.7829	0.2171	*
wIR[28, 1, 4]	-0.2482	-0.2484	0.2409	-0.7216	0.2265	0.1491	0.8509	*
wIR[28, 2, 4]	1.3070	1.3096	0.2870	0.7337	1.8587	1.0000	0.0000	*
wIR[28, 3, 4]	0.9768	0.9786	0.3398	0.3015	1.6405	0.9972	0.0028	*
wIR[28, 4, 4]	0.5005	0.5012	0.3090	-0.1125	1.1051	0.9462	0.0538	*
wIR[28, 5, 4]	0.8750	0.8759	0.2316	0.4139	1.3278	0.9999	0.0001	*
wIR[28, 6, 4]	-0.2070	-0.2065	0.3692	-0.9296	0.5214	0.2849	0.7151	*
wIR[28, 1, 5]	0.8485	0.8517	0.2844	0.2850	1.3972	0.9980	0.0020	*
wIR[28, 2, 5]	-0.8028	-0.7998	0.3403	-1.4825	-0.1519	0.0084	0.9916	*
wIR[28, 3, 5]	-1.9538	-1.9599	0.3893	-2.7057	-1.1711	0.0000	1.0000	*
wIR[28, 4, 5]	-1.3357	-1.3408	0.3563	-2.0277	-0.6212	0.0003	0.9997	*
wIR[28, 5, 5]	0.3843	0.3858	0.2591	-0.1248	0.8875	0.9297	0.0703	*
wIR[28, 6, 5]	0.1100	0.1097	0.3333	-0.5436	0.7660	0.6276	0.3724	
wIR[28, 1, 6]	0.3856	0.3880	0.3343	-0.2737	1.0337	0.8743	0.1257	*
wIR[28, 2, 6]	0.8583	0.8547	0.4040	0.0728	1.6672	0.9845	0.0155	*
wIR[28, 3, 6]	2.5672	2.5727	0.4828	1.6061	3.5098	1.0000	0.0000	*

wIR[28, 4, 6]	-1.6009	-1.6132	0.4034	-2.3653	-0.7701	0.0002	0.9998	*
wIR[28, 5, 6]	1.4876	1.4894	0.2973	0.9028	2.0620	1.0000	0.0000	*
wIR[28, 6, 6]	0.9020	0.9044	0.3674	0.1756	1.6210	0.9925	0.0075	*
wIR[28, 1, 7]	-0.0032	-0.0014	0.9056	-1.7647	1.7704	0.4993	0.5007	
wIR[28, 2, 7]	0.0049	0.0126	1.4595	-2.8583	2.8674	0.5034	0.4966	
wIR[28, 3, 7]	0.0011	0.0025	1.8188	-3.5496	3.5623	0.5006	0.4994	
wIR[28, 4, 7]	0.0045	0.0101	1.2321	-2.4243	2.4236	0.5034	0.4966	
wIR[28, 5, 7]	0.0015	0.0012	0.7878	-1.5380	1.5432	0.5006	0.4994	
wIR[28, 6, 7]	-0.0017	-0.0018	0.7815	-1.5326	1.5328	0.4992	0.5008	
wIR[29, 1, 2]	-0.3102	-0.3154	0.4293	-1.1471	0.5505	0.2283	0.7717	*
wIR[29, 2, 2]	-2.2974	-2.2974	0.4361	-3.1593	-1.4297	0.0000	1.0000	*
wIR[29, 3, 2]	-4.1966	-4.2072	0.5177	-5.1917	-3.1400	0.0000	1.0000	*
wIR[29, 4, 2]	0.3527	0.3579	0.5998	-0.8445	1.5137	0.7273	0.2727	*
wIR[29, 5, 2]	0.2891	0.2966	0.3815	-0.4830	1.0227	0.7807	0.2193	*
wIR[29, 6, 2]	0.4821	0.4886	0.4512	-0.4256	1.3535	0.8580	0.1420	*
wIR[29, 1, 3]	-1.4787	-1.4849	0.3836	-2.2155	-0.7041	0.0004	0.9996	*
wIR[29, 2, 3]	1.2856	1.2914	0.4139	0.4449	2.0799	0.9967	0.0033	*
wIR[29, 3, 3]	1.1889	1.1928	0.4740	0.2400	2.1085	0.9907	0.0093	*
wIR[29, 4, 3]	0.0251	0.0288	0.4371	-0.8425	0.8696	0.5260	0.4740	
wIR[29, 5, 3]	0.1248	0.1286	0.3083	-0.5008	0.7151	0.6664	0.3336	*
wIR[29, 6, 3]	0.2707	0.2698	0.3732	-0.4585	1.0053	0.7676	0.2324	*
wIR[29, 1, 4]	-0.7109	-0.7106	0.3093	-1.3150	-0.1055	0.0109	0.9891	*
wIR[29, 2, 4]	0.4405	0.4429	0.4144	-0.3782	1.2441	0.8552	0.1448	*
wIR[29, 3, 4]	0.2591	0.2636	0.4340	-0.6086	1.1052	0.7309	0.2691	*
wIR[29, 4, 4]	-0.0753	-0.0693	0.3689	-0.8163	0.6348	0.4254	0.5746	
wIR[29, 5, 4]	-0.3003	-0.3028	0.2928	-0.8641	0.2844	0.1537	0.8463	*
wIR[29, 6, 4]	0.4118	0.4128	0.4080	-0.3981	1.2077	0.8463	0.1537	*
wIR[29, 1, 5]	-0.1740	-0.1732	0.2590	-0.6806	0.3323	0.2490	0.7510	*
wIR[29, 2, 5]	0.9014	0.9018	0.3081	0.2985	1.5090	0.9979	0.0021	*
wIR[29, 3, 5]	-0.2124	-0.2150	0.3390	-0.8769	0.4607	0.2623	0.7377	*
wIR[29, 4, 5]	-1.3423	-1.3484	0.3327	-1.9779	-0.6646	0.0002	0.9998	*
wIR[29, 5, 5]	1.3437	1.3449	0.2436	0.8603	1.8146	1.0000	0.0000	*
wIR[29, 6, 5]	0.3115	0.3084	0.3486	-0.3702	1.0016	0.8166	0.1834	*
wIR[29, 1, 6]	-0.0119	-0.0120	0.2926	-0.5861	0.5602	0.4837	0.5163	
wIR[29, 2, 6]	0.8171	0.8162	0.3500	0.1290	1.5098	0.9896	0.0104	*
wIR[29, 3, 6]	1.0187	1.0224	0.4168	0.1967	1.8284	0.9918	0.0082	*
wIR[29, 4, 6]	0.0293	0.0237	0.3556	-0.6543	0.7447	0.5264	0.4736	
wIR[29, 5, 6]	0.8915	0.8941	0.2617	0.3759	1.4013	0.9997	0.0003	*
wIR[29, 6, 6]	0.5762	0.5765	0.3244	-0.0629	1.2105	0.9614	0.0386	*
wIR[29, 1, 7]	-0.7571	-0.7546	0.2826	-1.3197	-0.2100	0.0038	0.9962	*
wIR[29, 2, 7]	0.4050	0.4046	0.2981	-0.1835	0.9943	0.9138	0.0862	*
wIR[29, 3, 7]	0.7211	0.7294	0.3525	0.0053	1.3932	0.9757	0.0243	*
wIR[29, 4, 7]	-0.6041	-0.6113	0.3032	-1.1752	0.0171	0.0281	0.9719	*
wIR[29, 5, 7]	0.2567	0.2576	0.2426	-0.2242	0.7261	0.8564	0.1436	*
wIR[29, 6, 7]	0.2476	0.2473	0.3403	-0.4165	0.9124	0.7683	0.2317	*
wIR[30, 1, 2]	1.2473	1.2568	0.4468	0.3426	2.1002	0.9958	0.0042	*
wIR[30, 2, 2]	0.2885	0.2822	0.6032	-0.8792	1.4974	0.6842	0.3158	*
wIR[30, 3, 2]	0.3630	0.3547	0.5488	-0.7021	1.4766	0.7503	0.2497	*
wIR[30, 4, 2]	0.1085	0.1118	0.6529	-1.1781	1.3833	0.5697	0.4303	
wIR[30, 5, 2]	0.2112	0.2082	0.4359	-0.6398	1.0766	0.6858	0.3142	*

wIR[30, 6, 2]	0.6924	0.6966	0.4928	-0.2850	1.6560	0.9194	0.0806	*
wIR[30, 1, 3]	0.6797	0.6720	0.3698	-0.0244	1.4251	0.9705	0.0295	*
wIR[30, 2, 3]	0.7477	0.7452	0.4266	-0.0810	1.5956	0.9621	0.0379	*
wIR[30, 3, 3]	0.7348	0.7190	0.5067	-0.2293	1.7672	0.9336	0.0664	*
wIR[30, 4, 3]	1.3364	1.3309	0.4933	0.3794	2.3209	0.9973	0.0027	*
wIR[30, 5, 3]	-0.2558	-0.2536	0.3134	-0.8726	0.3562	0.2056	0.7944	*
wIR[30, 6, 3]	-0.2803	-0.2799	0.4008	-1.0702	0.5054	0.2413	0.7587	*
wIR[30, 1, 4]	1.0585	1.0573	0.2851	0.5049	1.6234	0.9998	0.0002	*
wIR[30, 2, 4]	0.4549	0.4547	0.3516	-0.2317	1.1499	0.9030	0.0970	*
wIR[30, 3, 4]	-1.2887	-1.2809	0.3951	-2.0926	-0.5251	0.0004	0.9996	*
wIR[30, 4, 4]	1.4685	1.4789	0.3721	0.7073	2.1783	0.9996	0.0004	*
wIR[30, 5, 4]	-0.2161	-0.2212	0.2650	-0.7191	0.3192	0.2052	0.7948	*
wIR[30, 6, 4]	-1.3572	-1.3685	0.3916	-2.0904	-0.5569	0.0006	0.9994	*
wIR[30, 1, 5]	0.1634	0.1632	0.2927	-0.4102	0.7364	0.7128	0.2872	*
wIR[30, 2, 5]	-2.8567	-2.8556	0.3556	-3.5512	-2.1530	0.0000	1.0000	*
wIR[30, 3, 5]	-7.4296	-7.4384	0.4223	-8.2393	-6.5871	0.0000	1.0000	*
wIR[30, 4, 5]	-0.1708	-0.1723	0.3895	-0.9322	0.6037	0.3276	0.6724	*
wIR[30, 5, 5]	0.1049	0.1060	0.2715	-0.4269	0.6383	0.6514	0.3486	*
wIR[30, 6, 5]	0.7680	0.7723	0.3578	0.0594	1.4579	0.9828	0.0172	*
wIR[30, 1, 6]	0.0460	0.0503	0.4215	-0.7912	0.8622	0.5476	0.4524	
wIR[30, 2, 6]	-0.9980	-1.0091	0.5339	-2.0164	0.0683	0.0332	0.9668	*
wIR[30, 3, 6]	0.6404	0.6346	0.6170	-0.5539	1.8771	0.8518	0.1482	*
wIR[30, 4, 6]	-0.4532	-0.4545	0.4933	-1.4254	0.5107	0.1781	0.8219	*
wIR[30, 5, 6]	-0.2970	-0.2997	0.3771	-1.0312	0.4489	0.2134	0.7866	*
wIR[30, 6, 6]	-0.2268	-0.2298	0.4225	-1.0431	0.6125	0.2936	0.7064	*
wIR[30, 1, 7]	-0.2012	-0.2050	0.3560	-0.8955	0.4992	0.2835	0.7165	*
wIR[30, 2, 7]	-1.0455	-1.0411	0.4200	-1.8807	-0.2390	0.0053	0.9947	*
wIR[30, 3, 7]	-2.6189	-2.6178	0.4782	-3.5630	-1.6786	0.0000	1.0000	*
wIR[30, 4, 7]	-0.6184	-0.6280	0.4343	-1.4541	0.2587	0.0793	0.9207	*
wIR[30, 5, 7]	0.2808	0.2806	0.3143	-0.3365	0.8987	0.8163	0.1837	*
wIR[30, 6, 7]	0.8497	0.8498	0.4237	0.0182	1.6748	0.9773	0.0227	*
wIR[31, 1, 2]	-0.9673	-0.9647	0.4580	-1.8697	-0.0645	0.0184	0.9816	*
wIR[31, 2, 2]	-5.9774	-6.0140	0.4506	-6.7661	-4.9754	0.0000	1.0000	*
wIR[31, 3, 2]	-5.0708	-5.0863	0.4943	-6.0017	-4.0338	0.0000	1.0000	*
wIR[31, 4, 2]	-3.0854	-3.0999	0.6527	-4.3243	-1.7596	0.0000	1.0000	*
wIR[31, 5, 2]	-1.6150	-1.6248	0.4136	-2.4041	-0.7693	0.0003	0.9997	*
wIR[31, 6, 2]	-1.3110	-1.3158	0.4547	-2.2046	-0.4085	0.0027	0.9973	*
wIR[31, 1, 3]	-0.5863	-0.5915	0.4502	-1.4499	0.3162	0.0966	0.9034	*
wIR[31, 2, 3]	1.9187	1.9388	0.5349	0.8147	2.9201	0.9991	0.0009	*
wIR[31, 3, 3]	2.6881	2.6897	0.5866	1.5277	3.8335	0.9999	0.0001	*
wIR[31, 4, 3]	0.7453	0.7532	0.5135	-0.2772	1.7376	0.9248	0.0752	*
wIR[31, 5, 3]	-0.0897	-0.0816	0.3726	-0.8423	0.6227	0.4111	0.5889	
wIR[31, 6, 3]	0.5221	0.5302	0.4330	-0.3423	1.3553	0.8855	0.1145	*
wIR[31, 1, 4]	-1.3062	-1.3098	0.3462	-1.9805	-0.6194	0.0002	0.9998	*
wIR[31, 2, 4]	-1.5714	-1.5716	0.3827	-2.3259	-0.8167	0.0001	0.9999	*
wIR[31, 3, 4]	-1.8278	-1.8293	0.4334	-2.6828	-0.9773	0.0000	1.0000	*
wIR[31, 4, 4]	-1.7064	-1.7093	0.3975	-2.4764	-0.9154	0.0000	1.0000	*
wIR[31, 5, 4]	-0.3039	-0.3072	0.3089	-0.8997	0.3133	0.1617	0.8383	*
wIR[31, 6, 4]	-0.7750	-0.7764	0.4542	-1.6587	0.1227	0.0452	0.9548	*
wIR[31, 1, 5]	-0.0219	-0.0197	0.3076	-0.6318	0.5762	0.4748	0.5252	

wIR[31, 2, 5]	0.9943	0.9971	0.3596	0.2813	1.6897	0.9957	0.0043	*
wIR[31, 3, 5]	1.0682	1.0685	0.3961	0.2879	1.8498	0.9955	0.0045	*
wIR[31, 4, 5]	0.5209	0.5227	0.4045	-0.2779	1.3129	0.9014	0.0986	*
wIR[31, 5, 5]	-0.1009	-0.0993	0.2773	-0.6511	0.4366	0.3606	0.6394	
wIR[31, 6, 5]	0.0465	0.0498	0.3658	-0.6783	0.7571	0.5536	0.4464	
wIR[31, 1, 6]	-0.3449	-0.3413	0.2509	-0.8481	0.1376	0.0819	0.9181	*
wIR[31, 2, 6]	-1.6495	-1.6518	0.2845	-2.2039	-1.0875	0.0000	1.0000	*
wIR[31, 3, 6]	-0.3343	-0.3359	0.3786	-1.0734	0.4147	0.1871	0.8129	*
wIR[31, 4, 6]	-0.2897	-0.2875	0.3388	-0.9642	0.3686	0.1958	0.8042	*
wIR[31, 5, 6]	-0.1822	-0.1867	0.2342	-0.6275	0.2903	0.2140	0.7860	*
wIR[31, 6, 6]	0.1997	0.2006	0.3090	-0.4064	0.8020	0.7410	0.2590	*
wIR[31, 1, 7]	-0.3511	-0.3504	0.2487	-0.8400	0.1396	0.0788	0.9212	*
wIR[31, 2, 7]	-1.6819	-1.6863	0.3067	-2.2740	-1.0663	0.0000	1.0000	*
wIR[31, 3, 7]	0.2954	0.2944	0.3671	-0.4259	1.0151	0.7929	0.2071	*
wIR[31, 4, 7]	-1.2473	-1.2521	0.3385	-1.8972	-0.5693	0.0003	0.9997	*
wIR[31, 5, 7]	-0.3907	-0.3903	0.2433	-0.8722	0.0837	0.0525	0.9475	*
wIR[31, 6, 7]	0.0756	0.0758	0.3257	-0.5606	0.7186	0.5904	0.4096	
wIR[32, 1, 2]	-0.7584	-0.7666	0.4424	-1.6086	0.1386	0.0463	0.9537	*
wIR[32, 2, 2]	-1.2074	-1.1939	0.4624	-2.1529	-0.3285	0.0036	0.9964	*
wIR[32, 3, 2]	-0.3664	-0.3566	0.5356	-1.4550	0.6668	0.2443	0.7557	*
wIR[32, 4, 2]	-0.2896	-0.2810	0.6220	-1.5387	0.9173	0.3201	0.6799	*
wIR[32, 5, 2]	-0.0688	-0.0629	0.3883	-0.8490	0.6779	0.4353	0.5647	
wIR[32, 6, 2]	-0.5892	-0.5930	0.4451	-1.4509	0.2969	0.0926	0.9074	*
wIR[32, 1, 3]	-0.8445	-0.8516	0.3728	-1.5546	-0.0872	0.0151	0.9849	*
wIR[32, 2, 3]	1.0363	1.0441	0.3821	0.2611	1.7632	0.9944	0.0056	*
wIR[32, 3, 3]	1.7567	1.7524	0.4584	0.8592	2.6733	0.9999	0.0001	*
wIR[32, 4, 3]	-0.0714	-0.0652	0.4138	-0.8994	0.7240	0.4371	0.5629	
wIR[32, 5, 3]	0.5493	0.5554	0.2920	-0.0422	1.1059	0.9661	0.0339	*
wIR[32, 6, 3]	0.1422	0.1399	0.3715	-0.5813	0.8846	0.6482	0.3518	
wIR[32, 1, 4]	0.1561	0.1547	0.8192	-1.4485	1.7733	0.5734	0.4266	
wIR[32, 2, 4]	0.0128	0.0137	1.3831	-2.6676	2.7215	0.5038	0.4962	
wIR[32, 3, 4]	0.0889	0.0848	1.6768	-3.1988	3.3412	0.5196	0.4804	
wIR[32, 4, 4]	-0.3897	-0.3908	1.0445	-2.4319	1.6694	0.3510	0.6490	
wIR[32, 5, 4]	0.2756	0.2710	0.6866	-1.0521	1.6223	0.6538	0.3462	*
wIR[32, 6, 4]	0.0305	0.0332	0.6940	-1.3446	1.3741	0.5193	0.4807	
wIR[32, 1, 5]	-0.2847	-0.2889	0.4022	-1.0608	0.5260	0.2334	0.7666	*
wIR[32, 2, 5]	1.4049	1.4093	0.5266	0.3601	2.4267	0.9948	0.0052	*
wIR[32, 3, 5]	1.2929	1.2912	0.5036	0.2995	2.2865	0.9941	0.0059	*
wIR[32, 4, 5]	0.4381	0.4373	0.5365	-0.6082	1.4977	0.7939	0.2061	*
wIR[32, 5, 5]	1.0452	1.0558	0.3394	0.3506	1.6869	0.9980	0.0020	*
wIR[32, 6, 5]	0.4907	0.4958	0.4213	-0.3473	1.3153	0.8773	0.1227	*
wIR[32, 1, 6]	0.6834	0.6890	0.3055	0.0709	1.2664	0.9851	0.0149	*
wIR[32, 2, 6]	-0.2369	-0.2353	0.3502	-0.9300	0.4509	0.2458	0.7542	*
wIR[32, 3, 6]	1.5415	1.5437	0.4320	0.6870	2.3865	0.9996	0.0004	*
wIR[32, 4, 6]	0.5227	0.5302	0.3614	-0.2084	1.2169	0.9251	0.0749	*
wIR[32, 5, 6]	-0.3269	-0.3330	0.2856	-0.8666	0.2576	0.1251	0.8749	*
wIR[32, 6, 6]	0.0697	0.0614	0.3585	-0.6195	0.7993	0.5715	0.4285	
wIR[32, 1, 7]	0.9682	0.9697	0.2670	0.4363	1.4894	0.9997	0.0003	*
wIR[32, 2, 7]	0.3808	0.3850	0.3037	-0.2303	0.9638	0.8963	0.1037	*
wIR[32, 3, 7]	-0.8322	-0.8275	0.3655	-1.5654	-0.1257	0.0106	0.9894	*

wIR[32, 4, 7]	-0.0054	-0.0113	0.3393	-0.6486	0.6885	0.4868	0.5132	
wIR[32, 5, 7]	1.2187	1.2252	0.2603	0.6926	1.7138	1.0000	0.0000	*
wIR[32, 6, 7]	0.6777	0.6780	0.3583	-0.0307	1.3804	0.9699	0.0301	*
wIR[33, 1, 2]	0.0090	0.0083	0.4132	-0.8052	0.8282	0.5076	0.4924	
wIR[33, 2, 2]	-1.7154	-1.7237	0.5635	-2.7993	-0.5746	0.0024	0.9976	*
wIR[33, 3, 2]	-1.9310	-1.9367	0.4909	-2.8813	-0.9458	0.0004	0.9996	*
wIR[33, 4, 2]	-0.7491	-0.7516	0.6216	-1.9683	0.4739	0.1132	0.8868	*
wIR[33, 5, 2]	-0.1128	-0.1138	0.4092	-0.9242	0.6830	0.3916	0.6084	
wIR[33, 6, 2]	-0.2666	-0.2669	0.4530	-1.1572	0.6244	0.2760	0.7240	*
wIR[33, 1, 3]	1.3564	1.3533	0.3135	0.7481	1.9825	1.0000	0.0000	*
wIR[33, 2, 3]	1.0862	1.0868	0.3212	0.4432	1.7167	0.9993	0.0007	*
wIR[33, 3, 3]	1.1118	1.1019	0.3844	0.3801	1.8953	0.9981	0.0019	*
wIR[33, 4, 3]	1.9521	1.9557	0.3950	1.1630	2.7204	1.0000	0.0000	*
wIR[33, 5, 3]	0.4456	0.4488	0.2488	-0.0549	0.9285	0.9611	0.0389	*
wIR[33, 6, 3]	-0.0059	-0.0105	0.3250	-0.6285	0.6487	0.4860	0.5140	
wIR[33, 1, 4]	0.1530	0.1561	0.2537	-0.3548	0.6419	0.7318	0.2682	*
wIR[33, 2, 4]	-1.5105	-1.5087	0.3044	-2.1160	-0.9190	0.0000	1.0000	*
wIR[33, 3, 4]	-1.1184	-1.1171	0.3732	-1.8518	-0.3840	0.0019	0.9981	*
wIR[33, 4, 4]	-0.6109	-0.6154	0.3180	-1.2261	0.0243	0.0295	0.9705	*
wIR[33, 5, 4]	-0.7911	-0.7981	0.2418	-1.2510	-0.2940	0.0014	0.9986	*
wIR[33, 6, 4]	-1.2800	-1.2899	0.3621	-1.9655	-0.5430	0.0007	0.9993	*
wIR[33, 1, 5]	1.1583	1.1600	0.2555	0.6549	1.6538	1.0000	0.0000	*
wIR[33, 2, 5]	1.8629	1.8638	0.2957	1.2840	2.4478	1.0000	0.0000	*
wIR[33, 3, 5]	1.3041	1.3053	0.3520	0.6144	1.9940	0.9999	0.0001	*
wIR[33, 4, 5]	1.1587	1.1600	0.3205	0.5281	1.7838	0.9997	0.0003	*
wIR[33, 5, 5]	1.3032	1.3058	0.2408	0.8246	1.7676	1.0000	0.0000	*
wIR[33, 6, 5]	0.8082	0.8111	0.3070	0.1992	1.4044	0.9950	0.0050	*
wIR[33, 1, 6]	1.1488	1.1519	0.2701	0.6169	1.6743	1.0000	0.0000	*
wIR[33, 2, 6]	0.7598	0.7634	0.3275	0.1058	1.3914	0.9878	0.0122	*
wIR[33, 3, 6]	1.0707	1.0683	0.3904	0.3086	1.8469	0.9971	0.0029	*
wIR[33, 4, 6]	0.9565	0.9547	0.3470	0.2798	1.6425	0.9974	0.0026	*
wIR[33, 5, 6]	0.8317	0.8326	0.2385	0.3601	1.2992	0.9996	0.0004	*
wIR[33, 6, 6]	0.8042	0.8053	0.3020	0.2085	1.3922	0.9958	0.0042	*
wIR[34, 1, 2]	-1.0282	-1.0395	0.4591	-1.8934	-0.0925	0.0166	0.9834	*
wIR[34, 2, 2]	1.4591	1.4777	0.6055	0.2224	2.5921	0.9883	0.0117	*
wIR[34, 3, 2]	1.4777	1.5023	0.5606	0.2933	2.5054	0.9906	0.0094	*
wIR[34, 4, 2]	-0.3150	-0.3211	0.6578	-1.5872	0.9923	0.3126	0.6874	*
wIR[34, 5, 2]	1.0278	1.0334	0.4338	0.1639	1.8582	0.9892	0.0108	*
wIR[34, 6, 2]	0.6000	0.6033	0.4765	-0.3492	1.5216	0.8953	0.1047	*
wIR[34, 1, 3]	-0.6512	-0.6556	0.3807	-1.3894	0.1159	0.0458	0.9542	*
wIR[34, 2, 3]	2.3095	2.3123	0.4049	1.5029	3.0992	1.0000	0.0000	*
wIR[34, 3, 3]	2.5145	2.5142	0.4547	1.6265	3.4090	1.0000	0.0000	*
wIR[34, 4, 3]	0.6954	0.7007	0.4359	-0.1765	1.5352	0.9424	0.0576	*
wIR[34, 5, 3]	1.3256	1.3316	0.3057	0.7117	1.9082	0.9999	0.0001	*
wIR[34, 6, 3]	0.9446	0.9468	0.3746	0.2039	1.6821	0.9934	0.0066	*
wIR[34, 1, 4]	0.2897	0.2930	0.2931	-0.2897	0.8593	0.8393	0.1607	*
wIR[34, 2, 4]	1.4402	1.4430	0.3301	0.7830	2.0783	1.0000	0.0000	*
wIR[34, 3, 4]	-0.5012	-0.4972	0.3844	-1.2685	0.2455	0.0934	0.9066	*
wIR[34, 4, 4]	0.2768	0.2762	0.3376	-0.3851	0.9488	0.7963	0.2037	*
wIR[34, 5, 4]	0.5400	0.5363	0.2629	0.0309	1.0610	0.9813	0.0187	*

wIR[34, 6, 4]	0.4242	0.4235	0.3813	-0.3203	1.1760	0.8687	0.1313	*
wIR[34, 1, 5]	-0.4057	-0.4047	0.2581	-0.9142	0.0984	0.0580	0.9420	*
wIR[34, 2, 5]	2.4967	2.4946	0.2996	1.9153	3.0877	1.0000	0.0000	*
wIR[34, 3, 5]	1.6633	1.6631	0.3820	0.9199	2.4171	1.0000	0.0000	*
wIR[34, 4, 5]	1.1440	1.1428	0.3315	0.4996	1.7995	0.9997	0.0003	*
wIR[34, 5, 5]	1.0909	1.0913	0.2361	0.6222	1.5525	1.0000	0.0000	*
wIR[34, 6, 5]	1.0603	1.0624	0.3109	0.4449	1.6596	0.9994	0.0006	*
wIR[34, 1, 6]	0.3076	0.3108	0.2775	-0.2443	0.8449	0.8677	0.1323	*
wIR[34, 2, 6]	-0.3585	-0.3576	0.3168	-0.9831	0.2651	0.1260	0.8740	*
wIR[34, 3, 6]	0.0198	0.0160	0.3654	-0.6934	0.7462	0.5180	0.4820	
wIR[34, 4, 6]	0.4084	0.4098	0.3098	-0.2083	1.0096	0.9069	0.0931	*
wIR[34, 5, 6]	-0.5374	-0.5400	0.2372	-0.9955	-0.0658	0.0130	0.9870	*
wIR[34, 6, 6]	0.1049	0.1050	0.2845	-0.4515	0.6649	0.6447	0.3553	
wIR[34, 1, 7]	-1.7530	-1.7560	0.2319	-2.1994	-1.2899	0.0000	1.0000	*
wIR[34, 2, 7]	-0.9685	-0.9712	0.2564	-1.4671	-0.4609	0.0001	0.9999	*
wIR[34, 3, 7]	1.3807	1.3802	0.3065	0.7764	1.9847	1.0000	0.0000	*
wIR[34, 4, 7]	-0.9931	-0.9947	0.2739	-1.5260	-0.4467	0.0004	0.9996	*
wIR[34, 5, 7]	-0.5380	-0.5370	0.1989	-0.9328	-0.1523	0.0031	0.9969	*
wIR[34, 6, 7]	0.3362	0.3392	0.2732	-0.2027	0.8712	0.8897	0.1103	*
wIR[35, 1, 2]	-0.5456	-0.5504	0.4256	-1.3664	0.3046	0.1003	0.8997	*
wIR[35, 2, 2]	0.9536	0.9689	0.4453	0.0247	1.7883	0.9778	0.0222	*
wIR[35, 3, 2]	1.7137	1.7308	0.5211	0.6372	2.6856	0.9981	0.0019	*
wIR[35, 4, 2]	0.4327	0.4326	0.5838	-0.7090	1.5760	0.7724	0.2276	*
wIR[35, 5, 2]	-0.0339	-0.0311	0.3801	-0.7938	0.7046	0.4670	0.5330	
wIR[35, 6, 2]	-0.4798	-0.4891	0.4449	-1.3276	0.4148	0.1413	0.8587	*
wIR[35, 1, 3]	1.6599	1.6600	0.3492	0.9762	2.3460	1.0000	0.0000	*
wIR[35, 2, 3]	1.1824	1.1857	0.3763	0.4335	1.9196	0.9984	0.0016	*
wIR[35, 3, 3]	2.2049	2.2024	0.4318	1.3591	3.0569	1.0000	0.0000	*
wIR[35, 4, 3]	1.2323	1.2395	0.4084	0.4141	2.0219	0.9978	0.0022	*
wIR[35, 5, 3]	0.7026	0.7065	0.2827	0.1390	1.2481	0.9920	0.0080	*
wIR[35, 6, 3]	0.2367	0.2396	0.3540	-0.4672	0.9209	0.7522	0.2478	*
wIR[35, 1, 4]	0.0370	0.0408	0.3122	-0.5818	0.6404	0.5517	0.4483	
wIR[35, 2, 4]	-1.9252	-1.9194	0.3812	-2.6949	-1.1947	0.0000	1.0000	*
wIR[35, 3, 4]	-2.8961	-2.8967	0.4363	-3.7453	-2.0400	0.0000	1.0000	*
wIR[35, 4, 4]	-0.0647	-0.0659	0.3653	-0.7791	0.6561	0.4279	0.5721	
wIR[35, 5, 4]	-1.1262	-1.1316	0.2967	-1.6940	-0.5280	0.0001	0.9999	*
wIR[35, 6, 4]	-1.1916	-1.1962	0.4042	-1.9731	-0.3935	0.0021	0.9979	*
wIR[35, 1, 5]	1.4572	1.4598	0.3091	0.8445	2.0610	1.0000	0.0000	*
wIR[35, 2, 5]	1.8850	1.8770	0.3513	1.2141	2.5894	1.0000	0.0000	*
wIR[35, 3, 5]	1.1653	1.1657	0.4397	0.3041	2.0285	0.9955	0.0045	*
wIR[35, 4, 5]	1.8437	1.8465	0.3817	1.0809	2.5821	1.0000	0.0000	*
wIR[35, 5, 5]	0.9048	0.9092	0.2844	0.3391	1.4541	0.9989	0.0011	*
wIR[35, 6, 5]	0.0003	0.0022	0.3721	-0.7396	0.7229	0.5023	0.4977	
wIR[35, 1, 6]	1.0172	1.0268	0.3353	0.3284	1.6483	0.9971	0.0029	*
wIR[35, 2, 6]	0.4512	0.4542	0.3832	-0.3121	1.1858	0.8809	0.1191	*
wIR[35, 3, 6]	0.1267	0.1235	0.4477	-0.7319	1.0152	0.6084	0.3916	
wIR[35, 4, 6]	1.3280	1.3272	0.3798	0.5774	2.0738	0.9996	0.0004	*
wIR[35, 5, 6]	0.6658	0.6598	0.2909	0.1126	1.2595	0.9906	0.0094	*
wIR[35, 6, 6]	-0.2314	-0.2339	0.3529	-0.9232	0.4641	0.2551	0.7449	*
wIR[35, 1, 7]	-0.1462	-0.1359	0.3006	-0.7619	0.4187	0.3192	0.6808	*

wIR[35, 2, 7]	1.0453	1.0506	0.3348	0.3710	1.6896	0.9984	0.0016	*
wIR[35, 3, 7]	0.5740	0.5764	0.3885	-0.1942	1.3316	0.9297	0.0703	*
wIR[35, 4, 7]	-0.5735	-0.5719	0.3166	-1.2014	0.0487	0.0347	0.9653	*
wIR[35, 5, 7]	1.3420	1.3447	0.2794	0.7827	1.8786	1.0000	0.0000	*
wIR[35, 6, 7]	0.3029	0.3024	0.3290	-0.3364	0.9544	0.8221	0.1779	*
wIR[36, 1, 2]	-0.1496	-0.1541	0.4197	-0.9621	0.6972	0.3548	0.6452	
wIR[36, 2, 2]	-0.2485	-0.2343	0.5691	-1.4104	0.8359	0.3343	0.6657	*
wIR[36, 3, 2]	0.5744	0.6002	0.4779	-0.4463	1.4524	0.8874	0.1126	*
wIR[36, 4, 2]	-0.7813	-0.7896	0.6660	-2.0700	0.5470	0.1199	0.8801	*
wIR[36, 5, 2]	0.6434	0.6594	0.4351	-0.2528	1.4499	0.9249	0.0751	*
wIR[36, 6, 2]	0.4268	0.4279	0.4635	-0.4802	1.3323	0.8220	0.1780	*
wIR[36, 1, 3]	-1.0017	-1.0128	0.3411	-1.6428	-0.3033	0.0034	0.9966	*
wIR[36, 2, 3]	-0.4572	-0.4589	0.3567	-1.1532	0.2484	0.0982	0.9018	*
wIR[36, 3, 3]	1.6992	1.6928	0.4089	0.9085	2.5191	1.0000	0.0000	*
wIR[36, 4, 3]	1.0413	1.0399	0.4161	0.2329	1.8630	0.9939	0.0061	*
wIR[36, 5, 3]	-0.9902	-0.9846	0.2599	-1.5112	-0.4890	0.0001	0.9999	*
wIR[36, 6, 3]	0.3314	0.3371	0.3522	-0.3808	1.0114	0.8318	0.1682	*
wIR[36, 1, 4]	0.4279	0.4309	0.3247	-0.2170	1.0534	0.9051	0.0949	*
wIR[36, 2, 4]	-0.6636	-0.6686	0.3766	-1.3860	0.0958	0.0416	0.9584	*
wIR[36, 3, 4]	0.1303	0.1333	0.4357	-0.7334	0.9782	0.6232	0.3768	
wIR[36, 4, 4]	-0.9809	-0.9830	0.3802	-1.7240	-0.2213	0.0059	0.9941	*
wIR[36, 5, 4]	-0.7689	-0.7697	0.2782	-1.3132	-0.2208	0.0032	0.9968	*
wIR[36, 6, 4]	-0.3320	-0.3380	0.3924	-1.0873	0.4551	0.1964	0.8036	*
wIR[37, 1, 2]	-0.9260	-0.9393	0.4652	-1.8106	0.0239	0.0283	0.9717	*
wIR[37, 2, 2]	-1.2756	-1.2705	0.5834	-2.4390	-0.1361	0.0146	0.9854	*
wIR[37, 3, 2]	-1.3764	-1.3683	0.5355	-2.4656	-0.3461	0.0052	0.9948	*
wIR[37, 4, 2]	-2.6823	-2.6957	0.6791	-3.9784	-1.3128	0.0001	0.9999	*
wIR[37, 5, 2]	-0.1895	-0.1871	0.4283	-1.0384	0.6443	0.3293	0.6707	*
wIR[37, 6, 2]	-0.3548	-0.3576	0.4808	-1.2921	0.5931	0.2281	0.7719	*
wIR[37, 1, 3]	-1.4000	-1.4092	0.3867	-2.1324	-0.6126	0.0006	0.9994	*
wIR[37, 2, 3]	1.7464	1.7515	0.4085	0.9141	2.5367	0.9998	0.0002	*
wIR[37, 3, 3]	2.4914	2.4906	0.4699	1.5728	3.4131	1.0000	0.0000	*
wIR[37, 4, 3]	-0.0214	-0.0187	0.4518	-0.9181	0.8541	0.4831	0.5169	
wIR[37, 5, 3]	0.6834	0.6879	0.3031	0.0680	1.2602	0.9838	0.0162	*
wIR[37, 6, 3]	0.3836	0.3865	0.3874	-0.3842	1.1372	0.8411	0.1589	*
wIR[37, 1, 4]	-0.5372	-0.5371	0.3014	-1.1307	0.0542	0.0373	0.9627	*
wIR[37, 2, 4]	0.1618	0.1668	0.3668	-0.5653	0.8650	0.6739	0.3261	*
wIR[37, 3, 4]	0.7335	0.7392	0.4243	-0.1180	1.5551	0.9558	0.0442	*
wIR[37, 4, 4]	-1.5453	-1.5478	0.3797	-2.2875	-0.7986	0.0000	1.0000	*
wIR[37, 5, 4]	-0.5924	-0.5928	0.2849	-1.1502	-0.0342	0.0192	0.9808	*
wIR[37, 6, 4]	-0.1972	-0.1978	0.4064	-0.9967	0.6030	0.3133	0.6867	*
wIR[37, 1, 5]	-0.6414	-0.6421	0.2939	-1.2137	-0.0618	0.0154	0.9846	*
wIR[37, 2, 5]	1.8372	1.8374	0.3293	1.1920	2.4841	1.0000	0.0000	*
wIR[37, 3, 5]	2.2475	2.2463	0.3789	1.5100	3.0005	1.0000	0.0000	*
wIR[37, 4, 5]	0.8232	0.8155	0.3700	0.1148	1.5694	0.9889	0.0111	*
wIR[37, 5, 5]	0.8998	0.9012	0.2660	0.3708	1.4139	0.9994	0.0006	*
wIR[37, 6, 5]	0.6571	0.6572	0.3630	-0.0596	1.3657	0.9641	0.0359	*
wIR[37, 1, 6]	0.1787	0.1839	0.2722	-0.3671	0.7011	0.7496	0.2504	*
wIR[37, 2, 6]	0.1331	0.1345	0.3283	-0.5118	0.7728	0.6588	0.3412	*
wIR[37, 3, 6]	0.8316	0.8307	0.3953	0.0520	1.6060	0.9819	0.0181	*

wIR[37, 4, 6]	0.2942	0.2982	0.3527	-0.4100	0.9747	0.7993	0.2007	*
wIR[37, 5, 6]	-0.1359	-0.1397	0.2518	-0.6182	0.3697	0.2892	0.7108	*
wIR[37, 6, 6]	0.3713	0.3727	0.3124	-0.2475	0.9829	0.8823	0.1177	*
wIR[37, 1, 7]	0.2750	0.2756	0.2503	-0.2182	0.7661	0.8649	0.1351	*
wIR[37, 2, 7]	1.4297	1.4305	0.2966	0.8477	2.0117	1.0000	0.0000	*
wIR[37, 3, 7]	3.2322	3.2321	0.3515	2.5439	3.9286	1.0000	0.0000	*
wIR[37, 4, 7]	0.0583	0.0505	0.3296	-0.5642	0.7252	0.5613	0.4387	
wIR[37, 5, 7]	0.6971	0.6999	0.2227	0.2536	1.1284	0.9986	0.0014	*
wIR[37, 6, 7]	1.6509	1.6546	0.3076	1.0356	2.2415	1.0000	0.0000	*
wIR[38, 1, 2]	-1.1567	-1.1634	0.4353	-1.9917	-0.2779	0.0058	0.9942	*
wIR[38, 2, 2]	0.4788	0.4866	0.5722	-0.6710	1.5805	0.8049	0.1951	*
wIR[38, 3, 2]	1.6087	1.6271	0.5105	0.5505	2.5619	0.9967	0.0033	*
wIR[38, 4, 2]	-2.5977	-2.6098	0.6645	-3.8687	-1.2604	0.0002	0.9998	*
wIR[38, 5, 2]	-0.2128	-0.2122	0.4182	-1.0372	0.6071	0.3013	0.6987	*
wIR[38, 6, 2]	0.4686	0.4717	0.4720	-0.4757	1.3882	0.8430	0.1570	*
wIR[38, 1, 3]	-0.4598	-0.4706	0.3812	-1.1803	0.3118	0.1160	0.8840	*
wIR[38, 2, 3]	0.6325	0.6338	0.4094	-0.1770	1.4374	0.9409	0.0591	*
wIR[38, 3, 3]	0.6733	0.6707	0.4887	-0.2905	1.6309	0.9168	0.0832	*
wIR[38, 4, 3]	0.6065	0.6050	0.4521	-0.2785	1.4988	0.9113	0.0887	*
wIR[38, 5, 3]	-0.7511	-0.7471	0.3106	-1.3698	-0.1490	0.0075	0.9925	*
wIR[38, 6, 3]	0.1078	0.1116	0.3747	-0.6448	0.8296	0.6180	0.3820	
wIR[38, 1, 4]	0.2569	0.2590	0.2897	-0.3148	0.8232	0.8138	0.1862	*
wIR[38, 2, 4]	-3.2629	-3.2729	0.3373	-3.9004	-2.5681	0.0000	1.0000	*
wIR[38, 3, 4]	-2.0024	-2.0003	0.4130	-2.8202	-1.1908	0.0000	1.0000	*
wIR[38, 4, 4]	0.9214	0.9248	0.3481	0.2266	1.6029	0.9950	0.0050	*
wIR[38, 5, 4]	-1.2557	-1.2616	0.2710	-1.7710	-0.7113	0.0000	1.0000	*
wIR[38, 6, 4]	-1.0905	-1.0933	0.3980	-1.8603	-0.2988	0.0041	0.9959	*
wIR[38, 1, 5]	0.3695	0.3719	0.3176	-0.2622	0.9892	0.8786	0.1214	*
wIR[38, 2, 5]	1.8082	1.8078	0.3636	1.0993	2.5261	1.0000	0.0000	*
wIR[38, 3, 5]	1.6232	1.6214	0.4306	0.7821	2.4725	0.9999	0.0001	*
wIR[38, 4, 5]	-0.0129	-0.0080	0.3809	-0.7749	0.7256	0.4913	0.5087	
wIR[38, 5, 5]	1.4539	1.4539	0.2753	0.9168	1.9999	1.0000	0.0000	*
wIR[38, 6, 5]	0.9798	0.9821	0.3416	0.3038	1.6461	0.9974	0.0026	*
wIR[38, 1, 6]	-1.0266	-1.0268	0.2756	-1.5679	-0.4842	0.0002	0.9998	*
wIR[38, 2, 6]	-1.1877	-1.1853	0.3476	-1.8835	-0.5119	0.0004	0.9996	*
wIR[38, 3, 6]	-0.1033	-0.1007	0.3788	-0.8503	0.6336	0.3944	0.6056	
wIR[38, 4, 6]	-0.2931	-0.2964	0.3474	-0.9673	0.3979	0.1958	0.8042	*
wIR[38, 5, 6]	0.0127	0.0132	0.2527	-0.4849	0.5103	0.5211	0.4789	
wIR[38, 6, 6]	0.5147	0.5154	0.3473	-0.1663	1.1949	0.9319	0.0681	*
wIR[38, 1, 7]	-1.6132	-1.6167	0.5678	-2.7232	-0.4860	0.0030	0.9970	*
wIR[38, 2, 7]	-0.7476	-0.7314	0.7486	-2.2617	0.6980	0.1532	0.8468	*
wIR[38, 3, 7]	-0.5055	-0.5168	0.9665	-2.3576	1.4364	0.2946	0.7054	*
wIR[38, 4, 7]	-0.7051	-0.7717	0.6372	-1.7864	0.7110	0.1378	0.8622	*
wIR[38, 5, 7]	-0.3749	-0.3769	0.5042	-1.3578	0.6188	0.2265	0.7735	*
wIR[38, 6, 7]	-0.1289	-0.1291	0.6264	-1.3544	1.1066	0.4192	0.5808	
wIR[39, 1, 2]	0.2303	0.2298	0.4236	-0.6080	1.0650	0.7092	0.2908	*
wIR[39, 2, 2]	1.4101	1.4057	0.4532	0.5218	2.3191	0.9985	0.0015	*
wIR[39, 3, 2]	-0.0831	-0.0980	0.5258	-1.0710	0.9937	0.4242	0.5758	
wIR[39, 4, 2]	0.3193	0.3231	0.5860	-0.8437	1.4649	0.7123	0.2877	*
wIR[39, 5, 2]	-0.2039	-0.2107	0.3740	-0.9174	0.5538	0.2840	0.7160	*

wIR[39, 6, 2]	-0.0040	0.0023	0.4350	-0.8775	0.8390	0.5020	0.4980	
wIR[39, 1, 3]	0.7015	0.6968	0.3572	0.0113	1.4135	0.9769	0.0231	*
wIR[39, 2, 3]	2.3562	2.3657	0.3864	1.5701	3.0975	1.0000	0.0000	*
wIR[39, 3, 3]	2.8148	2.8115	0.4593	1.9169	3.7311	1.0000	0.0000	*
wIR[39, 4, 3]	1.0994	1.1024	0.4093	0.2878	1.8949	0.9950	0.0050	*
wIR[39, 5, 3]	0.4424	0.4428	0.2744	-0.1002	0.9823	0.9458	0.0542	*
wIR[39, 6, 3]	-0.0327	-0.0360	0.3563	-0.7246	0.6746	0.4605	0.5395	
wIR[39, 1, 4]	0.3366	0.3367	0.2666	-0.1866	0.8572	0.8975	0.1025	*
wIR[39, 2, 4]	0.6128	0.6151	0.3093	-0.0010	1.2135	0.9748	0.0252	*
wIR[39, 3, 4]	-0.4102	-0.4118	0.3668	-1.1321	0.3129	0.1295	0.8705	*
wIR[39, 4, 4]	-0.4126	-0.4119	0.3397	-1.0796	0.2559	0.1109	0.8891	*
wIR[39, 5, 4]	0.0316	0.0302	0.2559	-0.4652	0.5371	0.5469	0.4531	
wIR[39, 6, 4]	-0.4486	-0.4446	0.3718	-1.1909	0.2739	0.1114	0.8886	*
wIR[39, 1, 5]	-0.2858	-0.2867	0.2476	-0.7672	0.2044	0.1241	0.8759	*
wIR[39, 2, 5]	-0.4633	-0.4631	0.2902	-1.0341	0.1078	0.0555	0.9445	*
wIR[39, 3, 5]	0.3122	0.3107	0.3414	-0.3513	0.9864	0.8197	0.1803	*
wIR[39, 4, 5]	1.1368	1.1344	0.3392	0.4766	1.8136	0.9994	0.0006	*
wIR[39, 5, 5]	-0.8749	-0.8764	0.2296	-1.3213	-0.4204	0.0002	0.9998	*
wIR[39, 6, 5]	0.1092	0.1061	0.2984	-0.4702	0.7026	0.6411	0.3589	
wIR[39, 1, 6]	0.2644	0.2669	0.2471	-0.2263	0.7434	0.8585	0.1415	*
wIR[39, 2, 6]	-0.1784	-0.1832	0.3121	-0.7790	0.4501	0.2775	0.7225	*
wIR[39, 3, 6]	-0.2107	-0.2104	0.3715	-0.9408	0.5147	0.2835	0.7165	*
wIR[39, 4, 6]	0.0677	0.0725	0.3371	-0.6038	0.7164	0.5859	0.4141	
wIR[39, 5, 6]	0.3918	0.3873	0.2384	-0.0634	0.8748	0.9536	0.0464	*
wIR[39, 6, 6]	0.5211	0.5200	0.2975	-0.0593	1.1108	0.9600	0.0400	*
wIR[39, 1, 7]	0.3174	0.3163	0.2252	-0.1231	0.7625	0.9220	0.0780	*
wIR[39, 2, 7]	-1.9825	-1.9822	0.2654	-2.5057	-1.4615	0.0000	1.0000	*
wIR[39, 3, 7]	-7.3888	-7.3923	0.3104	-7.9954	-6.7732	0.0000	1.0000	*
wIR[39, 4, 7]	-1.5017	-1.5073	0.2807	-2.0344	-0.9320	0.0000	1.0000	*
wIR[39, 5, 7]	-0.3982	-0.3988	0.2150	-0.8227	0.0261	0.0327	0.9673	*
wIR[39, 6, 7]	-0.2232	-0.2237	0.2959	-0.8030	0.3581	0.2245	0.7755	*
wIR[40, 1, 2]	-0.1103	-0.1134	0.4175	-0.9285	0.7221	0.3929	0.6071	
wIR[40, 2, 2]	0.1471	0.1372	0.5636	-0.9417	1.2837	0.6000	0.4000	
wIR[40, 3, 2]	1.0021	0.9976	0.4914	0.0421	1.9770	0.9792	0.0208	*
wIR[40, 4, 2]	0.0267	0.0271	0.6286	-1.2003	1.2657	0.5180	0.4820	
wIR[40, 5, 2]	-0.8186	-0.8259	0.4081	-1.6036	-0.0013	0.0247	0.9753	*
wIR[40, 6, 2]	-0.3857	-0.3876	0.4572	-1.2853	0.5157	0.1968	0.8032	*
wIR[40, 1, 3]	0.7131	0.7115	0.3347	0.0587	1.3744	0.9840	0.0160	*
wIR[40, 2, 3]	-0.4069	-0.4096	0.3446	-1.0793	0.2815	0.1155	0.8845	*
wIR[40, 3, 3]	-0.8438	-0.8513	0.4126	-1.6354	-0.0173	0.0228	0.9772	*
wIR[40, 4, 3]	1.1115	1.1176	0.4061	0.2930	1.8908	0.9950	0.0050	*
wIR[40, 5, 3]	-0.4356	-0.4411	0.2625	-0.9376	0.0975	0.0511	0.9489	*
wIR[40, 6, 3]	-0.8718	-0.8771	0.3337	-1.5137	-0.1979	0.0063	0.9937	*
wIR[40, 1, 4]	0.6947	0.6956	0.2387	0.2227	1.1581	0.9977	0.0023	*
wIR[40, 2, 4]	0.1059	0.1087	0.2917	-0.4825	0.6713	0.6480	0.3520	
wIR[40, 3, 4]	-1.0209	-1.0252	0.3437	-1.6830	-0.3325	0.0024	0.9976	*
wIR[40, 4, 4]	0.0048	0.0060	0.3172	-0.6289	0.6220	0.5074	0.4926	
wIR[40, 5, 4]	-0.2915	-0.2912	0.2362	-0.7579	0.1752	0.1065	0.8935	*
wIR[40, 6, 4]	-1.1204	-1.1198	0.3672	-1.8430	-0.4005	0.0011	0.9989	*
wIR[40, 1, 5]	-0.2699	-0.2678	0.2698	-0.8039	0.2537	0.1573	0.8427	*

wIR[40, 2, 5]	-2.4636	-2.4645	0.3066	-3.0580	-1.8557	0.0000	1.0000	*
wIR[40, 3, 5]	-2.7753	-2.7773	0.3851	-3.5214	-2.0149	0.0000	1.0000	*
wIR[40, 4, 5]	1.2833	1.2853	0.3306	0.6287	1.9227	0.9999	0.0001	*
wIR[40, 5, 5]	-1.2801	-1.2822	0.2467	-1.7584	-0.7913	0.0000	1.0000	*
wIR[40, 6, 5]	-0.4290	-0.4339	0.3324	-1.0745	0.2338	0.0992	0.9008	*
wIR[40, 1, 6]	0.3280	0.3351	0.3073	-0.3019	0.9039	0.8583	0.1417	*
wIR[40, 2, 6]	-1.2008	-1.2087	0.3525	-1.8660	-0.4841	0.0012	0.9988	*
wIR[40, 3, 6]	-0.7768	-0.7830	0.4323	-1.6145	0.0923	0.0383	0.9617	*
wIR[40, 4, 6]	-1.5073	-1.5010	0.3668	-2.2420	-0.7992	0.0000	1.0000	*
wIR[40, 5, 6]	0.3325	0.3277	0.2797	-0.1955	0.8988	0.8855	0.1145	*
wIR[40, 6, 6]	0.0966	0.0966	0.3316	-0.5555	0.7495	0.6146	0.3854	
wIR[40, 1, 7]	1.1182	1.1191	0.2727	0.5803	1.6489	1.0000	0.0000	*
wIR[40, 2, 7]	-0.7173	-0.7125	0.3474	-1.4122	-0.0529	0.0172	0.9828	*
wIR[40, 3, 7]	-2.9003	-2.8990	0.3998	-3.6840	-2.1146	0.0000	1.0000	*
wIR[40, 4, 7]	-0.1031	-0.1085	0.3536	-0.7850	0.6047	0.3783	0.6217	
wIR[40, 5, 7]	0.2728	0.2773	0.2652	-0.2613	0.7795	0.8492	0.1508	*
wIR[40, 6, 7]	-1.1257	-1.1256	0.3266	-1.7704	-0.4826	0.0004	0.9996	*
wIR[41, 1, 2]	-0.2930	-0.2951	0.4184	-1.1116	0.5416	0.2361	0.7639	*
wIR[41, 2, 2]	-1.3201	-1.3300	0.4188	-2.1179	-0.4597	0.0029	0.9971	*
wIR[41, 3, 2]	-1.3699	-1.3811	0.4801	-2.2870	-0.3954	0.0044	0.9956	*
wIR[41, 4, 2]	-0.1610	-0.1573	0.5625	-1.2744	0.9369	0.3880	0.6120	
wIR[41, 5, 2]	-0.8922	-0.9002	0.3649	-1.5917	-0.1437	0.0106	0.9894	*
wIR[41, 6, 2]	-0.3527	-0.3531	0.4208	-1.1746	0.4778	0.1974	0.8026	*
wIR[41, 1, 3]	-0.3771	-0.3826	0.3286	-1.0039	0.2881	0.1245	0.8755	*
wIR[41, 2, 3]	1.0386	1.0505	0.3501	0.2998	1.6988	0.9943	0.0057	*
wIR[41, 3, 3]	0.2054	0.2043	0.3961	-0.5707	0.9885	0.6987	0.3013	*
wIR[41, 4, 3]	-0.1079	-0.1084	0.3808	-0.8616	0.6401	0.3873	0.6127	
wIR[41, 5, 3]	-0.2798	-0.2767	0.2440	-0.7664	0.1949	0.1215	0.8785	*
wIR[41, 6, 3]	-0.0533	-0.0506	0.3352	-0.7221	0.5981	0.4409	0.5591	
wIR[41, 1, 4]	0.6164	0.6142	0.2531	0.1240	1.1159	0.9925	0.0075	*
wIR[41, 2, 4]	1.0600	1.0608	0.2854	0.4997	1.6175	0.9998	0.0002	*
wIR[41, 3, 4]	-0.0704	-0.0712	0.3731	-0.8017	0.6669	0.4228	0.5772	
wIR[41, 4, 4]	1.1251	1.1316	0.3075	0.4982	1.7149	0.9996	0.0004	*
wIR[41, 5, 4]	-0.0910	-0.0897	0.2551	-0.5986	0.4052	0.3610	0.6390	
wIR[41, 6, 4]	-0.5534	-0.5498	0.3595	-1.2675	0.1478	0.0608	0.9392	*
wIR[41, 1, 5]	-0.9734	-0.9732	0.2471	-1.4596	-0.4914	0.0000	1.0000	*
wIR[41, 2, 5]	-0.0013	-0.0007	0.2807	-0.5496	0.5542	0.4988	0.5012	
wIR[41, 3, 5]	0.6570	0.6531	0.3598	-0.0377	1.3776	0.9680	0.0320	*
wIR[41, 4, 5]	0.4817	0.4850	0.3059	-0.1260	1.0783	0.9414	0.0586	*
wIR[41, 5, 5]	-0.9314	-0.9325	0.2175	-1.3573	-0.5015	0.0000	1.0000	*
wIR[41, 6, 5]	0.0236	0.0224	0.2872	-0.5383	0.5920	0.5316	0.4684	
wIR[41, 1, 6]	-0.1056	-0.1056	0.2584	-0.6138	0.4004	0.3404	0.6596	*
wIR[41, 2, 6]	1.3490	1.3453	0.3314	0.7038	2.0062	1.0000	0.0000	*
wIR[41, 3, 6]	-0.9122	-0.9158	0.3882	-1.6650	-0.1436	0.0113	0.9887	*
wIR[41, 4, 6]	0.6604	0.6662	0.3446	-0.0302	1.3212	0.9702	0.0298	*
wIR[41, 5, 6]	1.3332	1.3320	0.2434	0.8609	1.8176	1.0000	0.0000	*
wIR[41, 6, 6]	-0.3667	-0.3673	0.3191	-0.9846	0.2596	0.1250	0.8750	*
wIR[41, 1, 7]	0.2373	0.2394	0.3226	-0.4037	0.8609	0.7719	0.2281	*
wIR[41, 2, 7]	-0.4409	-0.4381	0.3697	-1.1768	0.2785	0.1131	0.8869	*
wIR[41, 3, 7]	-2.2548	-2.2578	0.4432	-3.1167	-1.3809	0.0000	1.0000	*

wIR[41, 4, 7]	0.2070	0.2100	0.3768	-0.5457	0.9418	0.7138	0.2862	*
wIR[41, 5, 7]	-0.2950	-0.2930	0.2750	-0.8390	0.2397	0.1394	0.8606	*
wIR[41, 6, 7]	-0.2337	-0.2369	0.3437	-0.8943	0.4478	0.2456	0.7544	*
wIR[42, 1, 2]	0.3122	0.3157	0.4511	-0.5875	1.1918	0.7603	0.2397	*
wIR[42, 2, 2]	-0.4850	-0.4922	0.4840	-1.4248	0.5040	0.1501	0.8499	*
wIR[42, 3, 2]	-3.1458	-3.1692	0.5732	-4.2156	-1.9555	0.0000	1.0000	*
wIR[42, 4, 2]	-0.6119	-0.6054	0.6220	-1.8505	0.5970	0.1602	0.8398	*
wIR[42, 5, 2]	-0.2089	-0.2164	0.3887	-0.9598	0.5765	0.2889	0.7111	*
wIR[42, 6, 2]	-0.2731	-0.2708	0.4408	-1.1508	0.5881	0.2674	0.7326	*
wIR[42, 1, 3]	-0.4559	-0.4616	0.3683	-1.1576	0.2885	0.1073	0.8927	*
wIR[42, 2, 3]	-1.5709	-1.5512	0.4290	-2.4929	-0.7808	0.0001	0.9999	*
wIR[42, 3, 3]	-5.2437	-5.2669	0.5035	-6.1611	-4.2107	0.0000	1.0000	*
wIR[42, 4, 3]	-0.2794	-0.2831	0.4328	-1.1222	0.5804	0.2535	0.7465	*
wIR[42, 5, 3]	-0.6196	-0.6122	0.2944	-1.2113	-0.0599	0.0145	0.9855	*
wIR[42, 6, 3]	-0.9380	-0.9396	0.3705	-1.6619	-0.2002	0.0075	0.9925	*
wIR[42, 1, 4]	-0.2550	-0.2500	0.4047	-1.0550	0.5282	0.2668	0.7332	*
wIR[42, 2, 4]	0.0124	0.0142	0.5237	-1.0282	1.0362	0.5106	0.4894	
wIR[42, 3, 4]	0.5371	0.5313	0.5894	-0.6215	1.7062	0.8216	0.1784	*
wIR[42, 4, 4]	0.5974	0.6063	0.4732	-0.3659	1.5011	0.8974	0.1026	*
wIR[42, 5, 4]	0.0948	0.0949	0.3886	-0.6720	0.8554	0.5974	0.4026	
wIR[42, 6, 4]	0.1428	0.1440	0.4549	-0.7555	1.0308	0.6248	0.3752	
wIR[42, 1, 5]	0.4898	0.4922	0.3034	-0.1087	1.0785	0.9456	0.0544	*
wIR[42, 2, 5]	0.2068	0.2106	0.3206	-0.4353	0.8272	0.7451	0.2549	*
wIR[42, 3, 5]	-1.2270	-1.2272	0.3557	-1.9244	-0.5211	0.0005	0.9995	*
wIR[42, 4, 5]	-0.0972	-0.1016	0.3679	-0.8147	0.6410	0.3899	0.6101	
wIR[42, 5, 5]	0.2213	0.2218	0.2883	-0.3501	0.7869	0.7804	0.2196	*
wIR[42, 6, 5]	0.0784	0.0809	0.4116	-0.7313	0.8787	0.5776	0.4224	
wIR[42, 1, 6]	0.6913	0.6951	0.2540	0.1815	1.1795	0.9954	0.0046	*
wIR[42, 2, 6]	-0.3350	-0.3392	0.3070	-0.9305	0.2835	0.1365	0.8635	*
wIR[42, 3, 6]	2.2181	2.2127	0.3834	1.4783	2.9895	1.0000	0.0000	*
wIR[42, 4, 6]	-0.2946	-0.2945	0.3497	-0.9843	0.3929	0.1973	0.8027	*
wIR[42, 5, 6]	-1.2570	-1.2610	0.2407	-1.7189	-0.7689	0.0000	1.0000	*
wIR[42, 6, 6]	-1.0687	-1.0711	0.3221	-1.6990	-0.4315	0.0006	0.9994	*
wIR[42, 1, 7]	-0.6664	-0.6679	0.2653	-1.1835	-0.1409	0.0069	0.9931	*
wIR[42, 2, 7]	0.9728	0.9733	0.3307	0.3136	1.6156	0.9976	0.0024	*
wIR[42, 3, 7]	-1.5089	-1.5106	0.3883	-2.2737	-0.7392	0.0002	0.9998	*
wIR[42, 4, 7]	-0.8928	-0.8971	0.3593	-1.5874	-0.1752	0.0080	0.9920	*
wIR[42, 5, 7]	0.6904	0.6886	0.2508	0.2003	1.1882	0.9969	0.0031	*
wIR[42, 6, 7]	-0.4061	-0.4082	0.3302	-1.0493	0.2456	0.1096	0.8904	*
wIR[43, 1, 2]	0.2757	0.2779	0.4388	-0.5918	1.1390	0.7379	0.2621	*
wIR[43, 2, 2]	-1.6042	-1.6325	0.6355	-2.7697	-0.2825	0.0096	0.9904	*
wIR[43, 3, 2]	-0.8630	-0.8999	0.5709	-1.8915	0.3733	0.0721	0.9279	*
wIR[43, 4, 2]	0.9105	0.9135	0.6613	-0.4063	2.1993	0.9155	0.0845	*
wIR[43, 5, 2]	-0.3855	-0.3944	0.4289	-1.2005	0.4825	0.1822	0.8178	*
wIR[43, 6, 2]	0.2031	0.2049	0.4683	-0.7197	1.1142	0.6708	0.3292	*
wIR[43, 1, 3]	0.2209	0.2193	0.3451	-0.4565	0.9037	0.7422	0.2578	*
wIR[43, 2, 3]	1.4395	1.4455	0.3500	0.7262	2.1090	0.9997	0.0003	*
wIR[43, 3, 3]	0.2634	0.2644	0.4112	-0.5434	1.0705	0.7443	0.2557	*
wIR[43, 4, 3]	1.0968	1.0963	0.4048	0.2994	1.8909	0.9959	0.0041	*
wIR[43, 5, 3]	0.8514	0.8510	0.2804	0.2983	1.4027	0.9982	0.0018	*

wIR[43, 6, 3]	-0.1024	-0.1088	0.3555	-0.7852	0.6141	0.3787	0.6213	
wIR[43, 1, 4]	0.8757	0.8798	0.2585	0.3549	1.3706	0.9989	0.0011	*
wIR[43, 2, 4]	2.9604	2.9653	0.2948	2.3681	3.5278	1.0000	0.0000	*
wIR[43, 3, 4]	3.7875	3.7901	0.3676	3.0607	4.5022	1.0000	0.0000	*
wIR[43, 4, 4]	1.2761	1.2826	0.3307	0.6097	1.9112	0.9998	0.0002	*
wIR[43, 5, 4]	1.5622	1.5624	0.2427	1.0809	2.0341	1.0000	0.0000	*
wIR[43, 6, 4]	2.0468	2.0537	0.3770	1.2900	2.7701	1.0000	0.0000	*
wIR[43, 1, 5]	0.8378	0.8351	0.3367	0.1841	1.5066	0.9936	0.0064	*
wIR[43, 2, 5]	-0.6305	-0.6275	0.4037	-1.4268	0.1599	0.0579	0.9421	*
wIR[43, 3, 5]	-1.1972	-1.1916	0.4584	-2.1135	-0.3106	0.0045	0.9955	*
wIR[43, 4, 5]	0.1556	0.1484	0.4290	-0.6697	1.0211	0.6369	0.3631	
wIR[43, 5, 5]	1.0699	1.0708	0.3004	0.4806	1.6581	0.9998	0.0002	*
wIR[43, 6, 5]	0.3662	0.3693	0.3749	-0.3764	1.0928	0.8361	0.1639	*
wIR[43, 1, 6]	0.0400	0.0374	0.3299	-0.6052	0.6916	0.5466	0.4534	
wIR[43, 2, 6]	0.8066	0.8116	0.3909	0.0328	1.5598	0.9793	0.0207	*
wIR[43, 3, 6]	-0.9057	-0.9056	0.4755	-1.8373	0.0316	0.0293	0.9707	*
wIR[43, 4, 6]	0.0648	0.0638	0.3802	-0.6824	0.8154	0.5695	0.4305	
wIR[43, 5, 6]	-0.0113	-0.0084	0.2834	-0.5786	0.5375	0.4878	0.5122	
wIR[43, 6, 6]	0.1064	0.1097	0.3677	-0.6253	0.8254	0.6184	0.3816	
wIR[43, 1, 7]	0.1138	0.1025	0.5235	-0.8802	1.1750	0.5780	0.4220	
wIR[43, 2, 7]	-1.5625	-1.5481	0.5626	-2.7153	-0.4857	0.0028	0.9972	*
wIR[43, 3, 7]	-2.8255	-2.8575	0.7528	-4.2066	-1.2620	0.0006	0.9994	*
wIR[43, 4, 7]	-0.3384	-0.3474	0.4341	-1.1776	0.5499	0.2069	0.7931	*
wIR[43, 5, 7]	-1.1876	-1.1939	0.4811	-2.1059	-0.2233	0.0086	0.9914	*
wIR[43, 6, 7]	-0.9598	-0.9609	0.6419	-2.2133	0.3117	0.0678	0.9322	*
wIR[44, 1, 2]	0.0884	0.0885	0.4153	-0.7307	0.8989	0.5860	0.4140	
wIR[44, 2, 2]	0.5422	0.5492	0.4471	-0.3587	1.4092	0.8891	0.1109	*
wIR[44, 3, 2]	-0.0197	-0.0196	0.5244	-1.0475	1.0157	0.4847	0.5153	
wIR[44, 4, 2]	1.4489	1.4564	0.5977	0.2535	2.5939	0.9911	0.0089	*
wIR[44, 5, 2]	0.3074	0.3088	0.3721	-0.4279	1.0377	0.7988	0.2012	*
wIR[44, 6, 2]	0.2922	0.2936	0.4264	-0.5483	1.1314	0.7555	0.2445	*
wIR[44, 1, 3]	0.7605	0.7596	0.3680	0.0377	1.4883	0.9804	0.0196	*
wIR[44, 2, 3]	0.8985	0.8985	0.3927	0.1309	1.6788	0.9892	0.0108	*
wIR[44, 3, 3]	1.7407	1.7391	0.4686	0.8192	2.6661	0.9996	0.0004	*
wIR[44, 4, 3]	0.4218	0.4230	0.4107	-0.3898	1.2253	0.8500	0.1500	*
wIR[44, 5, 3]	-0.0968	-0.1003	0.2947	-0.6686	0.4899	0.3671	0.6329	
wIR[44, 6, 3]	0.0831	0.0828	0.3627	-0.6334	0.7961	0.5930	0.4070	
wIR[44, 1, 4]	0.8909	0.8909	0.2558	0.3845	1.3914	0.9995	0.0005	*
wIR[44, 2, 4]	0.9876	0.9893	0.3130	0.3612	1.5958	0.9986	0.0014	*
wIR[44, 3, 4]	-0.0482	-0.0478	0.3720	-0.7822	0.6796	0.4487	0.5513	
wIR[44, 4, 4]	1.4143	1.4138	0.3421	0.7420	2.0877	1.0000	0.0000	*
wIR[44, 5, 4]	0.6322	0.6301	0.2528	0.1430	1.1331	0.9943	0.0057	*
wIR[44, 6, 4]	-0.7899	-0.7926	0.3827	-1.5333	-0.0311	0.0209	0.9791	*
wIR[44, 1, 5]	-0.6415	-0.6409	0.2616	-1.1559	-0.1307	0.0067	0.9933	*
wIR[44, 2, 5]	-0.9707	-0.9692	0.3267	-1.6180	-0.3345	0.0018	0.9982	*
wIR[44, 3, 5]	-1.5161	-1.5174	0.3986	-2.2963	-0.7296	0.0001	0.9999	*
wIR[44, 4, 5]	-0.8590	-0.8602	0.3657	-1.5761	-0.1391	0.0101	0.9899	*
wIR[44, 5, 5]	-0.2179	-0.2201	0.2476	-0.6965	0.2758	0.1876	0.8124	*
wIR[44, 6, 5]	0.1087	0.1040	0.3176	-0.5023	0.7423	0.6299	0.3701	
wIR[44, 1, 6]	-0.0030	-0.0054	0.9070	-1.7857	1.7761	0.4978	0.5022	

wIR[44, 2, 6]	0.0021	-0.0017	1.4694	-2.8691	2.8845	0.4995	0.5005	
wIR[44, 3, 6]	-0.0090	-0.0028	1.8242	-3.5922	3.5689	0.4993	0.5007	
wIR[44, 4, 6]	0.0117	0.0101	1.2314	-2.4051	2.4294	0.5033	0.4967	
wIR[44, 5, 6]	0.0018	0.0056	0.7849	-1.5402	1.5489	0.5023	0.4977	
wIR[44, 6, 6]	-0.0009	0.0008	0.7781	-1.5211	1.5275	0.5004	0.4996	
wIR[44, 1, 7]	0.0011	-0.0009	0.9077	-1.7715	1.7775	0.4996	0.5004	
wIR[44, 2, 7]	-0.0027	0.0012	1.4550	-2.8642	2.8419	0.5003	0.4997	
wIR[44, 3, 7]	-0.0049	-0.0007	1.8175	-3.5756	3.5579	0.4999	0.5001	
wIR[44, 4, 7]	0.0017	0.0010	1.2398	-2.4381	2.4289	0.5003	0.4997	
wIR[44, 5, 7]	-0.0019	0.0022	0.7851	-1.5401	1.5345	0.5010	0.4990	
wIR[44, 6, 7]	-0.0002	0.0003	0.7785	-1.5328	1.5172	0.5002	0.4998	
wIR[45, 1, 2]	0.1144	0.1219	0.4221	-0.7315	0.9309	0.6149	0.3851	
wIR[45, 2, 2]	0.5256	0.5251	0.4219	-0.3090	1.3695	0.9002	0.0998	*
wIR[45, 3, 2]	-3.1453	-3.1661	0.4925	-4.0561	-2.1145	0.0000	1.0000	*
wIR[45, 4, 2]	-1.1638	-1.1628	0.5803	-2.3068	-0.0288	0.0226	0.9774	*
wIR[45, 5, 2]	0.3394	0.3402	0.3718	-0.3934	1.0777	0.8223	0.1777	*
wIR[45, 6, 2]	-0.0160	-0.0115	0.4339	-0.8784	0.8298	0.4897	0.5103	
wIR[45, 1, 3]	0.5816	0.5783	0.3648	-0.1264	1.3081	0.9459	0.0541	*
wIR[45, 2, 3]	0.1853	0.1992	0.4459	-0.7411	1.0312	0.6750	0.3250	*
wIR[45, 3, 3]	-1.2321	-1.2376	0.4817	-2.1658	-0.2694	0.0070	0.9930	*
wIR[45, 4, 3]	1.0284	1.0296	0.4460	0.1484	1.9078	0.9888	0.0112	*
wIR[45, 5, 3]	-0.1958	-0.1969	0.2945	-0.7768	0.3825	0.2508	0.7492	*
wIR[45, 6, 3]	0.0193	0.0240	0.3742	-0.7272	0.7408	0.5257	0.4743	
wIR[45, 1, 4]	0.8318	0.8346	0.2866	0.2605	1.3833	0.9977	0.0023	*
wIR[45, 2, 4]	2.2371	2.2407	0.3394	1.5653	2.8993	1.0000	0.0000	*
wIR[45, 3, 4]	1.2361	1.2387	0.3879	0.4668	1.9995	0.9990	0.0010	*
wIR[45, 4, 4]	1.6906	1.6940	0.3394	1.0098	2.3479	1.0000	0.0000	*
wIR[45, 5, 4]	0.8743	0.8737	0.2735	0.3355	1.4138	0.9992	0.0008	*
wIR[45, 6, 4]	-0.5039	-0.4981	0.4068	-1.3209	0.2819	0.1044	0.8956	*
wIR[45, 1, 5]	-0.1418	-0.1392	0.2780	-0.6903	0.3991	0.3050	0.6950	*
wIR[45, 2, 5]	-0.2489	-0.2451	0.3255	-0.8981	0.3819	0.2221	0.7779	*
wIR[45, 3, 5]	-1.9281	-1.9295	0.3984	-2.7024	-1.1389	0.0000	1.0000	*
wIR[45, 4, 5]	-0.0652	-0.0631	0.3635	-0.7840	0.6436	0.4303	0.5697	
wIR[45, 5, 5]	0.5396	0.5392	0.2583	0.0334	1.0468	0.9817	0.0183	*
wIR[45, 6, 5]	0.3727	0.3720	0.3336	-0.2829	1.0258	0.8684	0.1316	*
wIR[45, 1, 6]	-0.9140	-0.9129	0.2674	-1.4431	-0.3924	0.0003	0.9997	*
wIR[45, 2, 6]	0.9191	0.9168	0.3234	0.2881	1.5637	0.9977	0.0023	*
wIR[45, 3, 6]	0.1972	0.1994	0.3797	-0.5625	0.9376	0.7041	0.2959	*
wIR[45, 4, 6]	-1.1295	-1.1292	0.3298	-1.7792	-0.4845	0.0003	0.9997	*
wIR[45, 5, 6]	0.3849	0.3821	0.2562	-0.1106	0.8940	0.9356	0.0644	*
wIR[45, 6, 6]	0.5666	0.5666	0.3144	-0.0505	1.1788	0.9639	0.0361	*
wIR[45, 1, 7]	0.2013	0.2006	0.2768	-0.3367	0.7460	0.7671	0.2329	*
wIR[45, 2, 7]	-0.7720	-0.7711	0.3345	-1.4384	-0.1175	0.0102	0.9898	*
wIR[45, 3, 7]	-1.0031	-1.0088	0.3921	-1.7602	-0.2211	0.0066	0.9934	*
wIR[45, 4, 7]	0.2013	0.2014	0.3299	-0.4431	0.8471	0.7318	0.2682	*
wIR[45, 5, 7]	0.0309	0.0341	0.2636	-0.4990	0.5391	0.5512	0.4488	
wIR[45, 6, 7]	-0.0568	-0.0552	0.3357	-0.7183	0.5972	0.4334	0.5666	
wIR[46, 1, 2]	0.4444	0.4451	0.4236	-0.3924	1.2879	0.8555	0.1445	*
wIR[46, 2, 2]	-1.1829	-1.1788	0.4448	-2.0713	-0.3119	0.0048	0.9952	*
wIR[46, 3, 2]	-1.7631	-1.7683	0.5232	-2.7779	-0.7154	0.0011	0.9989	*

wIR[46, 4, 2]	1.2807	1.2910	0.5866	0.0994	2.4073	0.9831	0.0169	*
wIR[46, 5, 2]	-0.3210	-0.3226	0.3712	-1.0509	0.4164	0.1906	0.8094	*
wIR[46, 6, 2]	-0.0922	-0.0945	0.4272	-0.9301	0.7562	0.4120	0.5880	
wIR[46, 1, 3]	-0.1517	-0.1543	0.3544	-0.8393	0.5511	0.3309	0.6691	*
wIR[46, 2, 3]	0.0917	0.0935	0.3803	-0.6623	0.8344	0.5999	0.4001	
wIR[46, 3, 3]	0.8266	0.8283	0.4487	-0.0674	1.6967	0.9660	0.0340	*
wIR[46, 4, 3]	-0.1563	-0.1541	0.4064	-0.9553	0.6424	0.3485	0.6515	*
wIR[46, 5, 3]	0.7125	0.7168	0.2829	0.1444	1.2587	0.9916	0.0084	*
wIR[46, 6, 3]	-0.1951	-0.1992	0.3506	-0.8695	0.5097	0.2841	0.7159	*
wIR[46, 1, 4]	0.5139	0.5148	0.2559	0.0094	1.0105	0.9772	0.0228	*
wIR[46, 2, 4]	-0.6640	-0.6587	0.3217	-1.3091	-0.0516	0.0173	0.9827	*
wIR[46, 3, 4]	0.2574	0.2620	0.3747	-0.4977	0.9845	0.7600	0.2400	*
wIR[46, 4, 4]	0.8787	0.8777	0.3360	0.2207	1.5392	0.9949	0.0051	*
wIR[46, 5, 4]	0.0790	0.0788	0.2539	-0.4213	0.5739	0.6249	0.3751	
wIR[46, 6, 4]	0.2409	0.2438	0.3734	-0.5020	0.9638	0.7444	0.2556	*
wIR[46, 1, 5]	-0.0278	-0.0274	0.2395	-0.4978	0.4426	0.4538	0.5462	
wIR[46, 2, 5]	-0.5491	-0.5507	0.2951	-1.1269	0.0405	0.0334	0.9666	*
wIR[46, 3, 5]	-0.6822	-0.6760	0.3584	-1.4134	0.0019	0.0254	0.9746	*
wIR[46, 4, 5]	-0.1999	-0.2063	0.3385	-0.8507	0.4853	0.2707	0.7293	*
wIR[46, 5, 5]	0.4698	0.4687	0.2307	0.0190	0.9287	0.9796	0.0204	*
wIR[46, 6, 5]	0.5361	0.5340	0.3064	-0.0611	1.1467	0.9607	0.0393	*
wIR[46, 1, 6]	0.5118	0.5127	0.2180	0.0793	0.9363	0.9896	0.0104	*
wIR[46, 2, 6]	0.9606	0.9577	0.2712	0.4350	1.4976	0.9999	0.0001	*
wIR[46, 3, 6]	0.2653	0.2678	0.3233	-0.3811	0.8909	0.7986	0.2014	*
wIR[46, 4, 6]	-0.5256	-0.5305	0.2856	-1.0749	0.0454	0.0346	0.9654	*
wIR[46, 5, 6]	1.6855	1.6878	0.2123	1.2610	2.0964	1.0000	0.0000	*
wIR[46, 6, 6]	1.0590	1.0606	0.2723	0.5214	1.5903	0.9999	0.0001	*
wIR[46, 1, 7]	0.1194	0.1199	0.2832	-0.4400	0.6749	0.6667	0.3333	*
wIR[46, 2, 7]	0.3059	0.3043	0.3540	-0.3865	1.0071	0.8063	0.1937	*
wIR[46, 3, 7]	-1.5431	-1.5376	0.4095	-2.3640	-0.7475	0.0001	0.9999	*
wIR[46, 4, 7]	0.8527	0.8465	0.3268	0.2278	1.5109	0.9961	0.0039	*
wIR[46, 5, 7]	0.4557	0.4574	0.2576	-0.0552	0.9585	0.9602	0.0398	*
wIR[46, 6, 7]	0.0775	0.0769	0.3098	-0.5294	0.6867	0.5989	0.4011	
wIR[47, 1, 2]	0.0000	0.0031	0.9054	-1.7791	1.7773	0.5012	0.4988	
wIR[47, 2, 2]	0.0033	-0.0006	1.4708	-2.8789	2.8727	0.4998	0.5002	
wIR[47, 3, 2]	0.0046	0.0092	1.8217	-3.5569	3.5685	0.5021	0.4979	
wIR[47, 4, 2]	0.0022	0.0093	1.2379	-2.4280	2.4106	0.5030	0.4970	
wIR[47, 5, 2]	-0.0003	0.0016	0.7911	-1.5499	1.5543	0.5007	0.4993	
wIR[47, 6, 2]	-0.0028	-0.0036	0.7797	-1.5345	1.5274	0.4979	0.5021	
wIR[48, 1, 2]	0.2836	0.2843	0.4187	-0.5465	1.1046	0.7549	0.2451	*
wIR[48, 2, 2]	1.5603	1.5600	0.4392	0.6875	2.4231	0.9995	0.0005	*
wIR[48, 3, 2]	1.2289	1.2293	0.5104	0.2171	2.2436	0.9914	0.0086	*
wIR[48, 4, 2]	1.2127	1.2192	0.5862	0.0428	2.3382	0.9790	0.0210	*
wIR[48, 5, 2]	-0.0940	-0.0995	0.3722	-0.8146	0.6529	0.3939	0.6061	
wIR[48, 6, 2]	-0.0284	-0.0296	0.4265	-0.8672	0.8164	0.4718	0.5282	
wIR[48, 1, 3]	1.1028	1.1030	0.3568	0.3976	1.8071	0.9988	0.0012	*
wIR[48, 2, 3]	0.9944	0.9950	0.3864	0.2345	1.7545	0.9938	0.0062	*
wIR[48, 3, 3]	0.5873	0.5807	0.4606	-0.3041	1.5114	0.9037	0.0963	*
wIR[48, 4, 3]	0.3855	0.3841	0.4015	-0.4080	1.1776	0.8347	0.1653	*
wIR[48, 5, 3]	-0.3025	-0.3041	0.2822	-0.8534	0.2581	0.1408	0.8592	*

wIR[48, 6, 3]	-0.3046	-0.3069	0.3588	-1.0006	0.4086	0.1941	0.8059	*
wIR[48, 1, 4]	-0.0863	-0.0863	0.2549	-0.5901	0.4120	0.3680	0.6320	
wIR[48, 2, 4]	1.3423	1.3464	0.2942	0.7522	1.9116	1.0000	0.0000	*
wIR[48, 3, 4]	0.7752	0.7733	0.3393	0.1126	1.4485	0.9890	0.0110	*
wIR[48, 4, 4]	-0.2828	-0.2842	0.3173	-0.9039	0.3457	0.1822	0.8178	*
wIR[48, 5, 4]	-0.3194	-0.3223	0.2438	-0.7876	0.1661	0.0947	0.9053	*
wIR[48, 6, 4]	-0.6140	-0.6138	0.3691	-1.3393	0.1153	0.0485	0.9515	*
wIR[48, 1, 5]	-0.2206	-0.2214	0.2539	-0.7149	0.2794	0.1897	0.8103	*
wIR[48, 2, 5]	0.7316	0.7318	0.3108	0.1264	1.3376	0.9908	0.0092	*
wIR[48, 3, 5]	1.2617	1.2568	0.3387	0.6074	1.9419	0.9999	0.0001	*
wIR[48, 4, 5]	-1.0396	-1.0419	0.3188	-1.6565	-0.4101	0.0008	0.9992	*
wIR[48, 5, 5]	-0.7235	-0.7228	0.2320	-1.1810	-0.2695	0.0011	0.9989	*
wIR[48, 6, 5]	-0.1914	-0.1897	0.3021	-0.7895	0.3982	0.2629	0.7371	*
wIR[48, 1, 6]	0.4589	0.4558	0.2868	-0.0956	1.0320	0.9478	0.0522	*
wIR[48, 2, 6]	-1.5240	-1.5247	0.3097	-2.1267	-0.9137	0.0000	1.0000	*
wIR[48, 3, 6]	-0.3785	-0.3798	0.3678	-1.0962	0.3465	0.1503	0.8497	*
wIR[48, 4, 6]	-1.2332	-1.2369	0.3244	-1.8630	-0.5907	0.0002	0.9998	*
wIR[48, 5, 6]	-0.5829	-0.5893	0.2462	-1.0526	-0.0838	0.0115	0.9885	*
wIR[48, 6, 6]	-0.0304	-0.0326	0.3103	-0.6290	0.5878	0.4576	0.5424	
wIR[48, 1, 7]	-6.5936	-6.5996	0.2930	-7.1503	-6.0011	0.0000	1.0000	*
wIR[48, 2, 7]	-1.1132	-1.1107	0.3396	-1.7844	-0.4549	0.0003	0.9997	*
wIR[48, 3, 7]	-0.6183	-0.6212	0.3816	-1.3607	0.1396	0.0527	0.9473	*
wIR[48, 4, 7]	-6.1648	-6.1754	0.3271	-6.7806	-5.4959	0.0000	1.0000	*
wIR[48, 5, 7]	-1.2545	-1.2517	0.2471	-1.7478	-0.7763	0.0000	1.0000	*
wIR[48, 6, 7]	-1.1349	-1.1371	0.3327	-1.7810	-0.4759	0.0004	0.9996	*
wIR[49, 1, 2]	0.5187	0.5221	0.4417	-0.3622	1.3760	0.8802	0.1198	*
wIR[49, 2, 2]	1.0320	1.0334	0.4885	0.0716	1.9898	0.9815	0.0185	*
wIR[49, 3, 2]	1.8887	1.8879	0.5658	0.7713	2.9977	0.9993	0.0007	*
wIR[49, 4, 2]	0.2940	0.2957	0.6214	-0.9302	1.5166	0.6826	0.3174	*
wIR[49, 5, 2]	0.3977	0.3972	0.4081	-0.4052	1.2009	0.8371	0.1629	*
wIR[49, 6, 2]	0.6428	0.6465	0.4699	-0.2933	1.5609	0.9140	0.0860	*
wIR[49, 1, 3]	-0.6028	-0.6109	0.4117	-1.3883	0.2306	0.0733	0.9267	*
wIR[49, 2, 3]	2.0376	2.0454	0.4532	1.1203	2.9035	0.9999	0.0001	*
wIR[49, 3, 3]	1.7643	1.7720	0.5646	0.6214	2.8543	0.9977	0.0023	*
wIR[49, 4, 3]	0.5151	0.5098	0.4876	-0.4295	1.4839	0.8570	0.1430	*
wIR[49, 5, 3]	1.1941	1.1980	0.3350	0.5214	1.8345	0.9992	0.0008	*
wIR[49, 6, 3]	0.8992	0.9077	0.4300	0.0296	1.7148	0.9784	0.0216	*
wIR[49, 1, 4]	0.7824	0.7811	0.3259	0.1477	1.4243	0.9920	0.0080	*
wIR[49, 2, 4]	0.8037	0.8070	0.4163	-0.0214	1.6100	0.9717	0.0283	*
wIR[49, 3, 4]	0.7168	0.7222	0.4704	-0.2256	1.6212	0.9344	0.0656	*
wIR[49, 4, 4]	2.1636	2.1684	0.4118	1.3446	2.9609	1.0000	0.0000	*
wIR[49, 5, 4]	-0.0530	-0.0557	0.3068	-0.6520	0.5571	0.4270	0.5730	
wIR[49, 6, 4]	0.0634	0.0604	0.4153	-0.7402	0.8867	0.5583	0.4417	
wIR[49, 1, 5]	-0.0139	-0.0143	0.3022	-0.6143	0.5771	0.4813	0.5187	
wIR[49, 2, 5]	1.7577	1.7569	0.3558	1.0611	2.4616	1.0000	0.0000	*
wIR[49, 3, 5]	1.1436	1.1453	0.4062	0.3435	1.9411	0.9972	0.0028	*
wIR[49, 4, 5]	-1.6408	-1.6446	0.3789	-2.3758	-0.8859	0.0000	1.0000	*
wIR[49, 5, 5]	0.8188	0.8196	0.2768	0.2766	1.3619	0.9985	0.0015	*
wIR[49, 6, 5]	0.4878	0.4839	0.3683	-0.2264	1.2182	0.9099	0.0901	*
wIR[49, 1, 6]	-0.1262	-0.1271	0.3244	-0.7678	0.5097	0.3461	0.6539	*

wIR[49, 2, 6]	0.7770	0.7790	0.3983	-0.0131	1.5498	0.9732	0.0268	*
wIR[49, 3, 6]	1.5380	1.5465	0.4646	0.6069	2.4305	0.9991	0.0009	*
wIR[49, 4, 6]	-0.6238	-0.6320	0.4128	-1.4109	0.2042	0.0679	0.9321	*
wIR[49, 5, 6]	-0.5564	-0.5600	0.2911	-1.1170	0.0264	0.0302	0.9698	*
wIR[49, 6, 6]	0.0412	0.0417	0.3515	-0.6519	0.7298	0.5447	0.4553	
wIR[49, 1, 7]	-0.5120	-0.5134	0.3331	-1.1608	0.1488	0.0620	0.9380	*
wIR[49, 2, 7]	-0.8287	-0.8291	0.3958	-1.6058	-0.0592	0.0174	0.9826	*
wIR[49, 3, 7]	-0.4897	-0.4887	0.4372	-1.3400	0.3697	0.1302	0.8698	*
wIR[49, 4, 7]	-1.0320	-1.0366	0.3742	-1.7492	-0.2826	0.0042	0.9958	*
wIR[49, 5, 7]	-0.5617	-0.5630	0.2774	-1.1072	-0.0178	0.0218	0.9782	*
wIR[49, 6, 7]	0.5662	0.5666	0.3412	-0.1059	1.2330	0.9508	0.0492	*
wIR[50, 1, 2]	0.0626	0.0596	0.4042	-0.7304	0.8564	0.5599	0.4401	
wIR[50, 2, 2]	-0.1545	-0.1474	0.4211	-1.0022	0.6637	0.3566	0.6434	
wIR[50, 3, 2]	0.5649	0.5663	0.4907	-0.4049	1.5242	0.8774	0.1226	*
wIR[50, 4, 2]	0.3731	0.3774	0.5738	-0.7651	1.4924	0.7437	0.2563	*
wIR[50, 5, 2]	0.1789	0.1779	0.3668	-0.5492	0.9024	0.6921	0.3079	*
wIR[50, 6, 2]	0.4648	0.4675	0.4218	-0.3773	1.2828	0.8671	0.1329	*
wIR[50, 1, 3]	-0.9319	-0.9449	0.3540	-1.5893	-0.1933	0.0082	0.9918	*
wIR[50, 2, 3]	0.7776	0.7832	0.3615	0.0493	1.4788	0.9810	0.0190	*
wIR[50, 3, 3]	1.3668	1.3810	0.4662	0.3851	2.2458	0.9944	0.0056	*
wIR[50, 4, 3]	0.2482	0.2462	0.3998	-0.5376	1.0338	0.7374	0.2626	*
wIR[50, 5, 3]	0.3821	0.3915	0.2771	-0.1949	0.9037	0.9156	0.0844	*
wIR[50, 6, 3]	0.4184	0.4274	0.3518	-0.2989	1.0836	0.8818	0.1182	*
wIR[50, 1, 4]	-0.4292	-0.4306	0.2497	-0.9131	0.0681	0.0450	0.9550	*
wIR[50, 2, 4]	-0.2891	-0.2867	0.3318	-0.9495	0.3542	0.1916	0.8084	*
wIR[50, 3, 4]	0.4070	0.4134	0.3760	-0.3494	1.1242	0.8604	0.1396	*
wIR[50, 4, 4]	0.9030	0.9092	0.3385	0.2215	1.5514	0.9945	0.0055	*
wIR[50, 5, 4]	-0.8451	-0.8472	0.2468	-1.3180	-0.3484	0.0006	0.9994	*
wIR[50, 6, 4]	0.3616	0.3636	0.3639	-0.3580	1.0745	0.8433	0.1567	*
wIR[50, 1, 5]	-0.4891	-0.4907	0.2560	-0.9852	0.0157	0.0285	0.9715	*
wIR[50, 2, 5]	0.6355	0.6335	0.3103	0.0355	1.2520	0.9809	0.0191	*
wIR[50, 3, 5]	1.0649	1.0652	0.3572	0.3553	1.7673	0.9982	0.0018	*
wIR[50, 4, 5]	-1.2399	-1.2448	0.3355	-1.8863	-0.5679	0.0003	0.9997	*
wIR[50, 5, 5]	0.6025	0.6029	0.2431	0.1236	1.0763	0.9926	0.0074	*
wIR[50, 6, 5]	0.8291	0.8277	0.3195	0.2041	1.4593	0.9951	0.0049	*
wIR[50, 1, 6]	0.1176	0.1174	0.2587	-0.3921	0.6235	0.6779	0.3221	*
wIR[50, 2, 6]	0.5160	0.5154	0.3228	-0.1157	1.1538	0.9448	0.0552	*
wIR[50, 3, 6]	1.1558	1.1581	0.3796	0.4088	1.8925	0.9980	0.0020	*
wIR[50, 4, 6]	-0.7543	-0.7600	0.3309	-1.3884	-0.0868	0.0137	0.9863	*
wIR[50, 5, 6]	0.6710	0.6663	0.2363	0.2174	1.1450	0.9979	0.0021	*
wIR[50, 6, 6]	0.6388	0.6355	0.2969	0.0633	1.2295	0.9855	0.0145	*
wIR[50, 1, 7]	-0.3813	-0.3818	0.2630	-0.8975	0.1368	0.0735	0.9265	*
wIR[50, 2, 7]	-1.2377	-1.2383	0.3103	-1.8453	-0.6299	0.0000	1.0000	*
wIR[50, 3, 7]	-0.7871	-0.7796	0.3572	-1.5039	-0.1023	0.0128	0.9872	*
wIR[50, 4, 7]	-2.4924	-2.5016	0.3069	-3.0728	-1.8630	0.0000	1.0000	*
wIR[50, 5, 7]	-0.2087	-0.2095	0.2337	-0.6635	0.2515	0.1830	0.8170	*
wIR[50, 6, 7]	0.4242	0.4240	0.3067	-0.1802	1.0216	0.9168	0.0832	*