HELIOS1 & HELIOS2

HELIOS1/PARTICELE7/TRAINOR, & HELIOS1/E7_KEPPLER
HELIOS1/E8_KEPPLER
HELIOS2/PARTICECLE/E8_KEPPLER&E7_KEPPLER

74-097A-08C &74-097A-10B HELIOS1
76-003A-08C &76-003A-10B HELIOS2

This dataset has been ingest to 8MM and 4MM Write Once. The data was downloaded from /raid/ftp/spacecraft_data/Helios/helios1&helios2/particele/e7&8_keppler data is written in ASCII format. DD and DC number along with the time spans and tapes as follows:

NEW _ID	OLD_ID	TITLE	MEDIA#
SPHE-00770	74-097A-08C	HOURLY AVERAGED FLUX	DD109485 DC033273
SPHE-00772	74-097A-10B	HOURLY ELECTRON-PROTON	DD109487 DC033275
SPHE-00771	76-003A-08C	HOURLY AVERAGED FLUX	DD109486 DC033274
SPHE-00773	76-003A-10B	HOURLY ELECTRON-PROTON	DD109488 DC033276

BRIEF DESCRIPTION
Galactic and Solar Cosmic Rays
(Principal Investigator: Trainor)

HELIOS-A and -B spacecrafts were the pair of deep space probes developed by the Federal Republic of Germany (FRG) in a cooperative program with NASA. The purpose of the mission was to make pioneering measurments of the interplanetary medium from the vicinity of the earth's orbit to 0.3 AU.

The detector complement of this experiment (E7) consisted of three separate dE/dx vs E telescopes and a proportional counter for monitoring solar X rays in the range 2-8 keV. The high-energy telescope had a geometric factor of 0.22 sq cm-sr and measured electrons in three ranges between 2 and 8 MeV, and protons and alpha particles in three ranges between 20 and 56 MeV/n. Protons above 230 MeV were also measured. The first low-energy telescope (geometric factor was 0.155 sq cm-sr) measured protons and Z>1 particles in three ranges between 3 and 21 MeV/n. The second low-energy telescope (geometric factor was 0.015 sq cm-sr) measured protons in several ranges between 0.12 and 2.1 MeV, alpha particles in the ranges 0.6-2.1 and 6-21.2 MeV/n, and electrons in four ranges between 0.12 and 2 MeV. For a number of coincidence modes, counting-rate data sectored into eight 45-deg sectors were obtained. The data cycle time was dependent on the spacecraft telemetry rate (variable between 4096 and 8 bits/s) and format. Under optimum conditions, five events per second were pulse-height analyzed and the rate data cycle was of the order of 5 min. At the slowest combination of bit rate and format, a complete data cycle required about 2.5 h. See IEEE Trans. on Nuc. Sci., NS-22, p. 570, 1975, and Raumfahrtforschung, v. 19, n. 5, pp. 258-260, 1975, for further details.

The h-a-pf.dat and h-b-pf.dat files contains hourly averaged proton flux data written in ASCII-codes.

The fixed length data records each contain one hour worth of data. Each item contains a count of the number of hourly intervals in the record; time in year,month, day of month, h, m and s; values of proton fluxes in energy bins from 3.3 to 21.6 MeV, 21.6 to 57.0 MeV, and above 57.0 MeV; and ststistical errors associated with the fluxes.

For h-a-pf.dat file:
Time Coverage: 1974/12/15 - 1984/02/12

For h-b-pf.dat file:
Time Coverage: 1976/01/18 - 1980/03/07

Format Description:

WORD	ASCII	MEANING	UNITS/COMMENTS
1	I2	YEAR	(e.g., 74,75,76,...)
2	I3	MONTH	(e.g., January = 1, February=2, ...)
3	I3	DAY	(e.g., 1,2....31)
4	I3	HOUR	(0,1,...23)
5	I3	MINUTE	0
6	I3	SECOND	0
7	F13.3	CHANNEL 1	Values of proton flux in energy bin from 3.3 to 21.6 MeV.
8	F10.3	ERROR 1	Statistical error associated with the flux in Channel 1
9	F10.3	CHANNEL 2	Values of proton flux in energy bin from 21.6 to 57.0 MeV.
10	F10.3	ERROR 2	Statistical error associated with the flux in Channel 2
11	F10.3	CHANNEL 3	Values of proton flux in energy range above 57.0 MeV.
12	F10.3	ERROR 3	Statistical error associated with the flux in Channel 3

Note: 1. Negative rates indicate missing or invalid data.
2. for CHANNEL 1: geometry factor is 0.15 sq cm sr
for CHANNEL 2: geometry factor is 0.27 sq cm sr
for CHANNEL 3: geometry factor is 0.44 sq cm sr

74	12	17	9	0	0	0.237	0.018	0.117	0.012	0.012	0.007
74	12	17	10	0	0	0.255	0.018	0.122	0.013	0.015	0.007
74	12	17	11	0	0	0.227	0.025	0.118	0.018	0.007	0.007
74	12	17	12	0	0	0.257	0.020	0.117	0.014	0.014	0.008
74	12	17	13	0	0	0.251	0.018	0.109	0.012	0.007	0.005
74	12	17	14	0	0	0.254	0.020	0.120	0.014	0.019	0.010
74	12	17	15	0	0	0.229	0.017	0.106	0.012	0.007	0.005
74	12	17	16	0	0	0.253	0.018	0.128	0.013	0.004	0.004
74	12	17	17	0	0	0.220	0.017	0.110	0.012	0.007	0.005
74	12	17	18	0	0	0.243	0.020	0.131	0.015	0.009	0.007
74	12	17	19	0	0	0.238	0.018	0.109	0.012	0.012	0.007
74	12	17	20	0	0	0.254	0.018	0.109	0.012	0.016	0.008
74	12	17	21	0	0	0.254	0.021	0.108	0.013	0.010	0.007
74	12	17	22	0	0	0.216	0.018	0.125	0.014	0.000	0.000
74	12	17	23	0	0	0.239	0.018	0.120	0.013	0.008	0.005
74	12	18	0	0	0	0.225	0.018	0.110	0.013	0.009	0.006
74	12	18	1	0	0	0.249	0.018	0.109	0.012	0.000	0.000
74	12	18	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	18	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	18	4	0	0	0.281	0.030	0.119	0.020	0.009	0.009
74	12	18	5	0	0	0.251	0.019	0.134	0.014	0.009	0.006
74	12	18	6	0	0	0.227	0.017	0.097	0.011	0.019	0.008
74	12	18	7	0	0	0.242	0.020	0.103	0.013	0.010	0.007
74	12	18	8	0	0	0.232	0.023	0.113	0.016	0.013	0.009
74	12	18	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	18	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	18	11	0	0	0.262	0.034	0.117	0.023	0.026	0.019
74	12	18	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	18	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	18	14	0	0	0.275	0.032	0.114	0.021	0.072	0.027
74	12	18	15	0	0	0.501	0.043	0.430	0.041	0.056	0.023
74	12	18	16	0	0	0.215	0.025	0.079	0.016	0.031	0.015
74	12	18	17	0	0	0.455	0.045	0.213	0.029	0.051	0.023
74	12	18	18	0	0	0.325	0.028	0.151	0.019	0.073	0.022
74	12	18	19	0	0	0.420	0.030	0.233	0.021	0.041	0.015
74	12	18	20	0	0	0.501	0.043	0.312	0.033	0.021	0.015
74	12	18	21	0	0	0.306	0.021	0.102	0.012	0.021	0.009
74	12	18	22	0	0	0.271	0.026	0.099	0.016	0.008	0.008
74	12	18	23	0	0	0.279	0.021	0.112	0.013	0.009	0.006
74	12	19	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	19	1	0	0	0.228	0.022	0.115	0.014	0.009	0.007
74	12	19	2	0	0	0.280	0.029	0.087	0.015	0.008	0.008
74	12	19	3	0	0	0.268	0.020	0.097	0.012	0.008	0.006
74	12	19	4	0	0	0.296	0.031	0.132	0.020	0.010	0.010
74	12	19	5	0	0	0.206	0.029	0.098	0.019	0.015	0.011
74	12	19	6	0	0	0.237	0.021	0.069	0.012	0.000	0.000
74	12	19	7	0	0	0.251	0.020	0.126	0.014	0.005	0.005
74	12	19	8	0	0	0.254	0.020	0.112	0.013	0.009	0.007
74	12	19	9	0	0	0.209	0.029	0.106	0.017	0.010	0.010
74	12	19	10	0	0	0.232	0.018	0.109	0.012	0.004	0.004
74	12	19	11	0	0	0.280	0.019	0.097	0.011	0.015	0.007
74	12	19	12	0	0	0.255	0.019	0.115	0.013	0.012	0.007
74	12	19	13	0	0	0.242	0.017	0.109	0.012	0.015	0.007
74	12	19	14	0	0	0.258	0.018	0.093	0.011	0.004	0.004
74	12	19	15	0	0	0.221	0.017	0.120	0.012	0.015	0.007
74	12	19	16	0	0	0.218	0.017	0.105	0.012	0.015	0.007
74	12	19	17	0	0	0.203	0.016	0.086	0.010	0.007	0.005

74	12	19	18	0	0	0.259	0.018	0.106	0.012	0.004	0.004
74	12	19	19	0	0	0.258	0.018	0.104	0.011	0.004	0.004
74	12	19	20	0	0	0.208	0.017	0.139	0.014	0.009	0.006
74	12	19	21	0	0	0.204	0.020	0.112	0.016	0.000	0.000
74	12	19	22	0	0	0.278	0.019	0.107	0.012	0.019	0.008
74	12	19	23	0	0	0.237	0.019	0.117	0.013	0.018	0.009
74	12	20	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	20	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	20	2	0	0	0.215	0.025	0.129	0.020	0.017	0.012
74	12	20	3	0	0	0.239	0.017	0.092	0.011	0.007	0.005
74	12	20	4	0	0	0.269	0.018	0.112	0.012	0.019	0.008
74	12	20	5	0	0	0.210	0.018	0.128	0.015	0.015	0.008
74	12	20	6	0	0	0.236	0.017	0.109	0.012	0.007	0.005
74	12	20	7	0	0	0.253	0.020	0.107	0.013	0.015	0.008
74	12	20	8	0	0	0.233	0.019	0.110	0.013	0.023	0.010
74	12	20	9	0	0	0.206	0.016	0.088	0.011	0.011	0.006
74	12	20	10	0	0	0.261	0.018	0.110	0.012	0.011	0.006
74	12	20	11	0	0	0.228	0.017	0.112	0.012	0.008	0.005
74	12	20	12	0	0	0.199	0.031	0.146	0.024	0.000	0.000
74	12	20	13	0	0	0.225	0.020	0.106	0.012	0.005	0.005
74	12	20	14	0	0	0.236	0.020	0.120	0.014	0.005	0.005
74	12	20	15	0	0	0.274	0.018	0.102	0.011	0.011	0.006
74	12	20	16	0	0	0.238	0.017	0.084	0.010	0.019	0.008
74	12	20	17	0	0	0.212	0.017	0.108	0.012	0.015	0.007
74	12	20	18	0	0	0.256	0.021	0.100	0.013	0.009	0.007
74	12	20	19	0	0	0.314	0.042	0.098	0.026	0.108	0.041
74	12	20	20	0	0	0.363	0.028	0.109	0.016	0.012	0.009
74	12	20	21	0	0	0.291	0.019	0.147	0.014	0.004	0.004
74	12	20	22	0	0	0.233	0.018	0.100	0.011	0.000	0.000
74	12	20	23	0	0	0.249	0.021	0.108	0.014	0.010	0.007
74	12	21	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	21	1	0	0	0.254	0.018	0.107	0.012	0.008	0.005
74	12	21	2	0	0	0.230	0.017	0.104	0.012	0.004	0.004
74	12	21	3	0	0	0.243	0.018	0.135	0.013	0.004	0.004
74	12	21	4	0	0	0.281	0.019	0.103	0.012	0.011	0.006
74	12	21	5	0	0	0.272	0.019	0.098	0.011	0.019	0.008
74	12	21	6	0	0	0.244	0.020	0.106	0.013	0.005	0.005
74	12	21	7	0	0	0.221	0.023	0.087	0.015	0.015	0.010
74	12	21	8	0	0	0.230	0.018	0.100	0.012	0.004	0.004
74	12	21	9	0	0	0.223	0.020	0.115	0.015	0.000	0.000
74	12	21	10	0	0	0.252	0.020	0.087	0.011	0.004	0.004
74	12	21	11	0	0	0.238	0.019	0.116	0.014	0.005	0.005
74	12	21	12	0	0	0.249	0.018	0.105	0.012	0.019	0.008
74	12	21	13	0	0	0.222	0.017	0.097	0.011	0.026	0.010
74	12	21	14	0	0	0.253	0.020	0.110	0.013	0.000	0.000
74	12	21	15	0	0	0.232	0.017	0.113	0.012	0.000	0.000
74	12	21	16	0	0	0.231	0.017	0.124	0.013	0.011	0.006
74	12	21	17	0	0	0.245	0.018	0.108	0.012	0.019	0.008
74	12	21	18	0	0	0.216	0.019	0.107	0.013	0.009	0.007
74	12	21	19	0	0	0.233	0.017	0.099	0.011	0.004	0.004
74	12	21	20	0	0	0.231	0.017	0.094	0.011	0.004	0.004
74	12	21	21	0	0	0.237	0.017	0.124	0.013	0.011	0.006
74	12	21	22	0	0	0.214	0.018	0.112	0.013	0.019	0.009
74	12	21	23	0	0	0.239	0.018	0.128	0.013	0.019	0.009
74	12	22	0	0	0	0.243	0.019	0.095	0.012	0.009	0.006
74	12	22	1	0	0	0.248	0.018	0.106	0.011	0.007	0.005
74	12	22	2	0	0	0.243	0.020	0.118	0.014	0.014	0.008

74	12	22	3	0	0	0.259	0.018	0.114	0.012	0.019	0.008
74	12	22	4	0	0	0.213	0.016	0.103	0.011	0.004	0.004
74	12	22	5	0	0	0.245	0.017	0.099	0.011	0.007	0.005
74	12	22	6	0	0	0.247	0.022	0.109	0.014	0.017	0.010
74	12	22	7	0	0	0.256	0.021	0.092	0.013	0.006	0.006
74	12	22	8	0	0	0.255	0.018	0.096	0.011	0.015	0.008
74	12	22	9	0	0	0.240	0.017	0.102	0.011	0.011	0.006
74	12	22	10	0	0	0.249	0.018	0.121	0.012	0.022	0.009
74	12	22	11	0	0	0.256	0.020	0.104	0.012	0.009	0.006
74	12	22	12	0	0	0.249	0.018	0.108	0.012	0.015	0.007
74	12	22	13	0	0	0.215	0.016	0.111	0.012	0.015	0.007
74	12	22	14	0	0	0.209	0.017	0.116	0.013	0.000	0.000
74	12	22	15	0	0	0.258	0.018	0.103	0.011	0.011	0.006
74	12	22	16	0	0	0.254	0.018	0.105	0.011	0.015	0.007
74	12	22	17	0	0	0.250	0.018	0.106	0.012	0.019	0.008
74	12	22	18	0	0	0.240	0.018	0.097	0.012	0.123	0.023
74	12	22	19	0	0	0.253	0.018	0.119	0.012	0.382	0.038
74	12	22	20	0	0	0.264	0.018	0.111	0.012	0.602	0.047
74	12	22	21	0	0	0.251	0.018	0.103	0.011	0.666	0.050
74	12	22	22	0	0	0.197	0.018	0.091	0.012	0.523	0.051
74	12	22	23	0	0	0.283	0.019	0.112	0.012	0.548	0.046
74	12	23	0	0	0	0.245	0.018	0.113	0.012	0.467	0.042
74	12	23	1	0	0	0.222	0.017	0.120	0.012	0.318	0.034
74	12	23	2	0	0	0.236	0.020	0.075	0.011	0.324	0.041
74	12	23	3	0	0	0.256	0.018	0.102	0.011	0.299	0.033
74	12	23	4	0	0	0.238	0.017	0.123	0.012	0.261	0.031
74	12	23	5	0	0	0.233	0.017	0.102	0.011	0.172	0.025
74	12	23	6	0	0	0.255	0.018	0.098	0.011	0.112	0.020
74	12	23	7	0	0	0.249	0.021	0.105	0.014	0.084	0.020
74	12	23	8	0	0	0.285	0.037	0.108	0.022	0.069	0.031
74	12	23	9	0	0	0.227	0.018	0.097	0.013	0.087	0.020
74	12	23	10	0	0	0.285	0.019	0.099	0.011	0.066	0.016
74	12	23	11	0	0	0.224	0.017	0.109	0.012	0.072	0.017
74	12	23	12	0	0	0.258	0.018	0.102	0.011	0.094	0.019
74	12	23	13	0	0	0.215	0.016	0.106	0.011	0.073	0.016
74	12	23	14	0	0	0.239	0.019	0.109	0.013	0.068	0.017
74	12	23	15	0	0	0.242	0.018	0.105	0.012	0.060	0.015
74	12	23	16	0	0	0.246	0.017	0.109	0.012	0.025	0.010
74	12	23	17	0	0	0.228	0.017	0.103	0.011	0.052	0.014
74	12	23	18	0	0	0.296	0.020	0.103	0.012	0.047	0.014
74	12	23	19	0	0	0.233	0.017	0.112	0.012	0.052	0.014
74	12	23	20	0	0	0.230	0.017	0.107	0.012	0.069	0.016
74	12	23	21	0	0	0.216	0.017	0.117	0.012	0.022	0.009
74	12	23	22	0	0	0.187	0.018	0.076	0.011	0.020	0.010
74	12	23	23	0	0	0.244	0.019	0.107	0.012	0.025	0.010
74	12	24	0	0	0	0.251	0.020	0.134	0.014	0.018	0.009
74	12	24	1	0	0	0.245	0.017	0.104	0.011	0.029	0.010
74	12	24	2	0	0	0.246	0.020	0.089	0.013	0.021	0.010
74	12	24	3	0	0	0.243	0.018	0.129	0.013	0.022	0.009
74	12	24	4	0	0	0.251	0.018	0.097	0.011	0.015	0.007
74	12	24	5	0	0	0.235	0.017	0.107	0.012	0.030	0.011
74	12	24	6	0	0	0.260	0.021	0.114	0.014	0.028	0.013
74	12	24	7	0	0	0.240	0.021	0.113	0.014	0.020	0.010
74	12	24	8	0	0	0.226	0.018	0.096	0.013	0.009	0.006
74	12	24	9	0	0	0.216	0.017	0.101	0.012	0.000	0.000
74	12	24	10	0	0	0.256	0.019	0.121	0.013	0.008	0.006
74	12	24	11	0	0	0.235	0.018	0.097	0.011	0.019	0.009

74	12	24	12	0	0	0.243	0.018	0.086	0.011	0.021	0.009
74	12	24	13	0	0	0.209	0.019	0.096	0.013	0.026	0.012
74	12	24	14	0	0	0.209	0.016	0.110	0.012	0.019	0.008
74	12	24	15	0	0	0.236	0.017	0.116	0.012	0.011	0.006
74	12	24	16	0	0	0.222	0.017	0.119	0.012	0.025	0.010
74	12	24	17	0	0	0.213	0.019	0.112	0.014	0.005	0.005
74	12	24	18	0	0	0.256	0.018	0.142	0.013	0.026	0.010
74	12	24	19	0	0	0.253	0.018	0.105	0.011	0.007	0.005
74	12	24	20	0	0	0.255	0.018	0.107	0.012	0.019	0.008
74	12	24	21	0	0	0.261	0.021	0.121	0.014	0.005	0.005
74	12	24	22	0	0	0.224	0.017	0.089	0.011	0.025	0.010
74	12	24	23	0	0	0.283	0.019	0.097	0.011	0.012	0.007
74	12	25	0	0	0	0.258	0.018	0.115	0.013	0.012	0.007
74	12	25	1	0	0	0.234	0.020	0.113	0.014	0.010	0.007
74	12	25	2	0	0	0.227	0.017	0.111	0.012	0.015	0.007
74	12	25	3	0	0	0.213	0.016	0.105	0.012	0.004	0.004
74	12	25	4	0	0	0.238	0.017	0.089	0.011	0.026	0.010
74	12	25	5	0	0	0.262	0.018	0.115	0.012	0.022	0.009
74	12	25	6	0	0	0.230	0.019	0.105	0.013	0.015	0.009
74	12	25	7	0	0	0.230	0.017	0.082	0.010	0.018	0.008
74	12	25	8	0	0	0.162	0.023	0.110	0.019	0.000	0.000
74	12	25	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	25	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	25	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	25	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	25	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	25	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	25	15	0	0	0.231	0.024	0.114	0.017	0.015	0.010
74	12	25	16	0	0	0.224	0.017	0.097	0.011	0.022	0.009
74	12	25	17	0	0	0.238	0.017	0.111	0.012	0.007	0.005
74	12	25	18	0	0	0.207	0.016	0.090	0.011	0.007	0.005
74	12	25	19	0	0	0.259	0.020	0.107	0.013	0.018	0.009
74	12	25	20	0	0	0.233	0.017	0.117	0.012	0.011	0.006
74	12	25	21	0	0	0.287	0.019	0.120	0.012	0.047	0.013
74	12	25	22	0	0	0.233	0.023	0.100	0.015	0.156	0.032
74	12	25	23	0	0	0.269	0.019	0.086	0.011	0.402	0.040
74	12	26	0	0	0	0.263	0.020	0.137	0.015	0.489	0.046
74	12	26	1	0	0	0.283	0.019	0.133	0.013	0.404	0.039
74	12	26	2	0	0	0.243	0.017	0.085	0.010	0.370	0.037
74	12	26	3	0	0	0.264	0.018	0.094	0.011	0.352	0.036
74	12	26	4	0	0	0.245	0.019	0.104	0.012	0.322	0.038
74	12	26	5	0	0	0.253	0.018	0.115	0.012	0.314	0.034
74	12	26	6	0	0	0.238	0.019	0.123	0.014	0.269	0.034
74	12	26	7	0	0	0.233	0.017	0.092	0.011	0.292	0.033
74	12	26	8	0	0	0.244	0.020	0.128	0.015	0.306	0.039
74	12	26	9	0	0	0.245	0.019	0.103	0.013	0.268	0.034
74	12	26	10	0	0	0.223	0.017	0.103	0.011	0.243	0.030
74	12	26	11	0	0	0.229	0.019	0.099	0.012	0.185	0.030
74	12	26	12	0	0	0.233	0.017	0.106	0.011	0.240	0.029
74	12	26	13	0	0	0.250	0.018	0.099	0.011	0.202	0.027
74	12	26	14	0	0	0.204	0.016	0.116	0.012	0.120	0.021
74	12	26	15	0	0	0.245	0.020	0.097	0.012	0.142	0.025
74	12	26	16	0	0	0.190	0.016	0.103	0.011	0.131	0.022
74	12	26	17	0	0	0.239	0.017	0.116	0.012	0.094	0.019
74	12	26	18	0	0	0.231	0.017	0.121	0.012	0.108	0.020
74	12	26	19	0	0	0.246	0.019	0.087	0.012	0.082	0.019
74	12	26	20	0	0	0.235	0.017	0.098	0.011	0.105	0.020

74	12	26	21	0	0	0.226	0.017	0.110	0.012	0.090	0.018
74	12	26	22	0	0	0.199	0.019	0.108	0.013	0.060	0.016
74	12	26	23	0	0	0.236	0.022	0.081	0.012	0.067	0.019
74	12	27	0	0	0	0.249	0.018	0.088	0.011	0.054	0.014
74	12	27	1	0	0	0.211	0.020	0.095	0.012	0.057	0.016
74	12	27	2	0	0	0.224	0.019	0.110	0.012	0.058	0.015
74	12	27	3	0	0	0.257	0.019	0.103	0.012	0.048	0.014
74	12	27	4	0	0	0.222	0.018	0.111	0.013	0.053	0.015
74	12	27	5	0	0	0.228	0.017	0.114	0.012	0.034	0.011
74	12	27	6	0	0	0.241	0.019	0.105	0.013	0.035	0.012
74	12	27	7	0	0	0.249	0.018	0.110	0.012	0.071	0.016
74	12	27	8	0	0	0.217	0.020	0.115	0.015	0.043	0.015
74	12	27	9	0	0	0.233	0.020	0.109	0.014	0.034	0.014
74	12	27	10	0	0	0.232	0.018	0.089	0.011	0.023	0.009
74	12	27	11	0	0	0.243	0.019	0.131	0.014	0.053	0.015
74	12	27	12	0	0	0.242	0.019	0.108	0.013	0.013	0.008
74	12	27	13	0	0	0.232	0.017	0.113	0.012	0.015	0.008
74	12	27	14	0	0	0.229	0.017	0.089	0.011	0.044	0.013
74	12	27	15	0	0	0.260	0.020	0.092	0.012	0.032	0.012
74	12	27	16	0	0	0.238	0.017	0.105	0.011	0.036	0.011
74	12	27	17	0	0	0.230	0.017	0.112	0.012	0.022	0.009
74	12	27	18	0	0	0.218	0.017	0.088	0.011	0.030	0.011
74	12	27	19	0	0	0.219	0.018	0.101	0.013	0.014	0.008
74	12	27	20	0	0	0.248	0.018	0.099	0.011	0.015	0.007
74	12	27	21	0	0	0.208	0.016	0.097	0.011	0.026	0.010
74	12	27	22	0	0	0.272	0.019	0.115	0.012	0.022	0.009
74	12	27	23	0	0	0.251	0.020	0.118	0.014	0.033	0.013
74	12	28	0	0	0	0.230	0.017	0.083	0.011	0.012	0.007
74	12	28	1	0	0	0.231	0.017	0.097	0.011	0.022	0.009
74	12	28	2	0	0	0.243	0.017	0.110	0.012	0.022	0.009
74	12	28	3	0	0	0.229	0.017	0.105	0.012	0.022	0.009
74	12	28	4	0	0	0.203	0.018	0.118	0.014	0.009	0.007
74	12	28	5	0	0	0.244	0.017	0.125	0.012	0.025	0.010
74	12	28	6	0	0	0.228	0.019	0.091	0.012	0.009	0.007
74	12	28	7	0	0	0.248	0.018	0.076	0.010	0.011	0.006
74	12	28	8	0	0	0.239	0.022	0.092	0.014	0.012	0.008
74	12	28	9	0	0	0.228	0.020	0.096	0.013	0.015	0.009
74	12	28	10	0	0	0.256	0.018	0.101	0.012	0.012	0.007
74	12	28	11	0	0	0.235	0.019	0.105	0.013	0.013	0.008
74	12	28	12	0	0	0.217	0.020	0.121	0.015	0.016	0.009
74	12	28	13	0	0	0.224	0.017	0.085	0.010	0.011	0.006
74	12	28	14	0	0	0.236	0.017	0.118	0.012	0.015	0.007
74	12	28	15	0	0	0.223	0.018	0.099	0.012	0.017	0.009
74	12	28	16	0	0	0.216	0.017	0.108	0.012	0.015	0.007
74	12	28	17	0	0	0.245	0.018	0.116	0.012	0.007	0.005
74	12	28	18	0	0	0.228	0.017	0.098	0.011	0.011	0.006
74	12	28	19	0	0	0.257	0.020	0.122	0.014	0.009	0.006
74	12	28	20	0	0	0.222	0.017	0.122	0.012	0.011	0.006
74	12	28	21	0	0	0.212	0.016	0.119	0.012	0.022	0.009
74	12	28	22	0	0	0.251	0.018	0.105	0.012	0.022	0.009
74	12	28	23	0	0	0.257	0.020	0.113	0.014	0.010	0.007
74	12	29	0	0	0	0.189	0.017	0.105	0.013	0.009	0.006
74	12	29	1	0	0	0.266	0.019	0.101	0.012	0.012	0.007
74	12	29	2	0	0	0.212	0.017	0.109	0.012	0.023	0.009
74	12	29	3	0	0	0.237	0.023	0.082	0.013	0.026	0.013
74	12	29	4	0	0	0.220	0.019	0.120	0.014	0.010	0.007
74	12	29	5	0	0	0.218	0.017	0.098	0.011	0.019	0.008

74	12	29	6	0	0	0.274	0.022	0.095	0.013	0.005	0.005
74	12	29	7	0	0	0.224	0.017	0.119	0.012	0.011	0.006
74	12	29	8	0	0	0.236	0.019	0.114	0.013	0.014	0.008
74	12	29	9	0	0	0.253	0.019	0.104	0.013	0.014	0.008
74	12	29	10	0	0	0.221	0.017	0.110	0.012	0.015	0.007
74	12	29	11	0	0	0.268	0.019	0.119	0.013	0.015	0.008
74	12	29	12	0	0	0.231	0.017	0.085	0.010	0.011	0.006
74	12	29	13	0	0	0.218	0.017	0.098	0.011	0.027	0.010
74	12	29	14	0	0	0.238	0.018	0.099	0.011	0.019	0.008
74	12	29	15	0	0	0.263	0.020	0.104	0.012	0.022	0.010
74	12	29	16	0	0	0.225	0.018	0.125	0.013	0.016	0.008
74	12	29	17	0	0	0.250	0.018	0.111	0.012	0.019	0.008
74	12	29	18	0	0	0.187	0.015	0.088	0.011	0.011	0.006
74	12	29	19	0	0	0.223	0.018	0.110	0.013	0.014	0.008
74	12	29	20	0	0	0.218	0.017	0.089	0.011	0.011	0.006
74	12	29	21	0	0	0.241	0.017	0.099	0.011	0.004	0.004
74	12	29	22	0	0	0.245	0.018	0.085	0.010	0.004	0.004
74	12	29	23	0	0	0.208	0.019	0.095	0.013	0.000	0.000
74	12	30	0	0	0	0.237	0.018	0.117	0.013	0.008	0.006
74	12	30	1	0	0	0.228	0.017	0.112	0.012	0.019	0.008
74	12	30	2	0	0	0.234	0.017	0.111	0.012	0.007	0.005
74	12	30	3	0	0	0.224	0.017	0.136	0.013	0.019	0.008
74	12	30	4	0	0	0.234	0.019	0.125	0.014	0.005	0.005
74	12	30	5	0	0	0.263	0.018	0.112	0.012	0.022	0.009
74	12	30	6	0	0	0.260	0.020	0.114	0.013	0.014	0.008
74	12	30	7	0	0	0.247	0.018	0.094	0.011	0.004	0.004
74	12	30	8	0	0	0.224	0.018	0.125	0.014	0.004	0.004
74	12	30	9	0	0	0.244	0.021	0.112	0.014	0.021	0.010
74	12	30	10	0	0	0.225	0.017	0.106	0.011	0.011	0.006
74	12	30	11	0	0	0.273	0.022	0.101	0.013	0.005	0.005
74	12	30	12	0	0	0.231	0.017	0.102	0.011	0.015	0.007
74	12	30	13	0	0	0.244	0.017	0.097	0.011	0.022	0.009
74	12	30	14	0	0	0.240	0.017	0.106	0.012	0.011	0.006
74	12	30	15	0	0	0.230	0.019	0.114	0.013	0.014	0.008
74	12	30	16	0	0	0.219	0.017	0.112	0.012	0.015	0.007
74	12	30	17	0	0	0.262	0.019	0.078	0.010	0.008	0.005
74	12	30	18	0	0	0.233	0.017	0.106	0.011	0.007	0.005
74	12	30	19	0	0	0.239	0.019	0.093	0.012	0.004	0.004
74	12	30	20	0	0	0.232	0.017	0.133	0.013	0.011	0.006
74	12	30	21	0	0	0.236	0.017	0.097	0.011	0.007	0.005
74	12	30	22	0	0	0.250	0.019	0.126	0.014	0.013	0.008
74	12	30	23	0	0	0.254	0.018	0.112	0.012	0.015	0.008
74	12	31	0	0	0	0.258	0.018	0.096	0.011	0.000	0.000
74	12	31	1	0	0	0.224	0.018	0.122	0.014	0.009	0.006
74	12	31	2	0	0	0.224	0.017	0.135	0.013	0.007	0.005
74	12	31	3	0	0	0.246	0.018	0.125	0.013	0.029	0.011
74	12	31	4	0	0	0.244	0.018	0.089	0.011	0.019	0.008
74	12	31	5	0	0	0.244	0.020	0.086	0.012	0.009	0.007
74	12	31	6	0	0	0.226	0.017	0.088	0.011	0.015	0.008
74	12	31	7	0	0	0.247	0.021	0.084	0.012	0.005	0.005
74	12	31	8	0	0	0.223	0.017	0.105	0.012	0.012	0.007
74	12	31	9	0	0	0.241	0.017	0.093	0.011	0.000	0.000
74	12	31	10	0	0	0.245	0.018	0.102	0.012	0.008	0.005
74	12	31	11	0	0	0.237	0.018	0.105	0.012	0.023	0.009
74	12	31	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000

74	12	31	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
74	12	31	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	1	0	0	0	0.196	0.023	0.090	0.016	0.016	0.012
75	1	1	1	0	0	0.236	0.017	0.114	0.012	0.007	0.005
75	1	1	2	0	0	0.240	0.017	0.114	0.012	0.007	0.005
75	1	1	3	0	0	0.239	0.021	0.119	0.015	0.006	0.006
75	1	1	4	0	0	0.217	0.017	0.094	0.011	0.026	0.010
75	1	1	5	0	0	0.215	0.019	0.089	0.012	0.005	0.005
75	1	1	6	0	0	0.256	0.018	0.112	0.012	0.011	0.006
75	1	1	7	0	0	0.231	0.019	0.108	0.013	0.005	0.005
75	1	1	8	0	0	0.237	0.021	0.124	0.016	0.006	0.006
75	1	1	9	0	0	0.236	0.017	0.119	0.012	0.004	0.004
75	1	1	10	0	0	0.257	0.019	0.117	0.013	0.020	0.009
75	1	1	11	0	0	0.223	0.017	0.111	0.012	0.007	0.005
75	1	1	12	0	0	0.253	0.018	0.103	0.011	0.007	0.005
75	1	1	13	0	0	0.256	0.018	0.106	0.011	0.004	0.004
75	1	1	14	0	0	0.243	0.019	0.107	0.013	0.005	0.005
75	1	1	15	0	0	0.227	0.017	0.121	0.012	0.004	0.004
75	1	1	16	0	0	0.240	0.017	0.103	0.011	0.004	0.004
75	1	1	17	0	0	0.228	0.017	0.102	0.011	0.023	0.009
75	1	1	18	0	0	0.221	0.018	0.120	0.014	0.022	0.010
75	1	1	19	0	0	0.253	0.018	0.106	0.012	0.019	0.009
75	1	1	20	0	0	0.228	0.017	0.091	0.011	0.007	0.005
75	1	1	21	0	0	0.220	0.017	0.093	0.011	0.000	0.000
75	1	1	22	0	0	0.226	0.021	0.101	0.015	0.011	0.008
75	1	1	23	0	0	0.226	0.017	0.094	0.011	0.015	0.007
75	1	2	0	0	0	0.225	0.018	0.118	0.014	0.009	0.006
75	1	2	1	0	0	0.213	0.016	0.093	0.011	0.004	0.004
75	1	2	2	0	0	0.238	0.017	0.105	0.011	0.011	0.006
75	1	2	3	0	0	0.231	0.019	0.092	0.012	0.013	0.008
75	1	2	4	0	0	0.255	0.018	0.114	0.012	0.000	0.000
75	1	2	5	0	0	0.241	0.020	0.091	0.012	0.009	0.006
75	1	2	6	0	0	0.263	0.021	0.086	0.012	0.015	0.009
75	1	2	7	0	0	0.222	0.027	0.114	0.019	0.019	0.013
75	1	2	8	0	0	0.253	0.073	0.000	-15.000	0.000	-15.000
75	1	2	9	0	0	0.222	0.018	0.116	0.012	0.011	0.006
75	1	2	10	0	0	0.255	0.018	0.099	0.012	0.020	0.009
75	1	2	11	0	0	0.250	0.018	0.125	0.012	0.022	0.009
75	1	2	12	0	0	0.227	0.017	0.110	0.012	0.004	0.004
75	1	2	13	0	0	0.221	0.019	0.117	0.013	0.014	0.008
75	1	2	14	0	0	0.218	0.020	0.097	0.013	0.005	0.005
75	1	2	15	0	0	0.213	0.016	0.099	0.011	0.007	0.005
75	1	2	16	0	0	0.267	0.018	0.128	0.013	0.011	0.006
75	1	2	17	0	0	0.199	0.016	0.116	0.012	0.007	0.005
75	1	2	18	0	0	0.233	0.019	0.097	0.012	0.005	0.005
75	1	2	19	0	0	0.246	0.018	0.093	0.011	0.007	0.005
75	1	2	20	0	0	0.231	0.018	0.089	0.011	0.011	0.006
75	1	2	21	0	0	0.259	0.024	0.116	0.016	0.012	0.009
75	1	2	22	0	0	0.221	0.020	0.113	0.014	0.000	0.000
75	1	2	23	0	0	0.229	0.019	0.106	0.013	0.023	0.010

75	1	3	0	0	0	0.233	0.017	0.118	0.012	0.015	0.008
75	1	3	1	0	0	0.214	0.017	0.128	0.013	0.015	0.007
75	1	3	2	0	0	0.271	0.018	0.120	0.012	0.011	0.006
75	1	3	3	0	0	0.229	0.019	0.107	0.013	0.005	0.005
75	1	3	4	0	0	0.258	0.018	0.087	0.011	0.004	0.004
75	1	3	5	0	0	0.235	0.019	0.110	0.013	0.014	0.008
75	1	3	6	0	0	0.249	0.018	0.117	0.012	0.008	0.006
75	1	3	7	0	0	0.257	0.020	0.114	0.013	0.018	0.009
75	1	3	8	0	0	0.253	0.022	0.126	0.015	0.000	0.000
75	1	3	9	0	0	0.223	0.018	0.107	0.012	0.019	0.009
75	1	3	10	0	0	0.230	0.019	0.097	0.012	0.013	0.007
75	1	3	11	0	0	0.255	0.018	0.113	0.012	0.008	0.006
75	1	3	12	0	0	0.254	0.018	0.116	0.012	0.026	0.010
75	1	3	13	0	0	0.228	0.017	0.112	0.012	0.015	0.007
75	1	3	14	0	0	0.224	0.019	0.104	0.013	0.005	0.005
75	1	3	15	0	0	0.247	0.019	0.124	0.013	0.008	0.006
75	1	3	16	0	0	0.231	0.018	0.096	0.011	0.012	0.007
75	1	3	17	0	0	0.225	0.017	0.119	0.012	0.022	0.009
75	1	3	18	0	0	0.217	0.018	0.110	0.013	0.014	0.008
75	1	3	19	0	0	0.221	0.017	0.095	0.011	0.027	0.010
75	1	3	20	0	0	0.224	0.017	0.116	0.013	0.008	0.006
75	1	3	21	0	0	0.231	0.017	0.099	0.011	0.011	0.006
75	1	3	22	0	0	0.265	0.023	0.094	0.014	0.012	0.008
75	1	3	23	0	0	0.249	0.018	0.121	0.013	0.012	0.007
75	1	4	0	0	0	0.265	0.019	0.138	0.013	0.015	0.008
75	1	4	1	0	0	0.240	0.018	0.085	0.010	0.004	0.004
75	1	4	2	0	0	0.225	0.017	0.109	0.012	0.011	0.006
75	1	4	3	0	0	0.215	0.018	0.102	0.013	0.014	0.008
75	1	4	4	0	0	0.241	0.018	0.110	0.012	0.007	0.005
75	1	4	5	0	0	0.268	0.020	0.104	0.013	0.014	0.008
75	1	4	6	0	0	0.254	0.018	0.101	0.011	0.019	0.008
75	1	4	7	0	0	0.226	0.019	0.109	0.014	0.014	0.008
75	1	4	8	0	0	0.207	0.019	0.095	0.013	0.010	0.007
75	1	4	9	0	0	0.216	0.017	0.105	0.012	0.015	0.008
75	1	4	10	0	0	0.230	0.021	0.104	0.014	0.006	0.006
75	1	4	11	0	0	0.229	0.017	0.116	0.012	0.023	0.009
75	1	4	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	4	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	4	14	0	0	0.237	0.025	0.097	0.016	0.000	0.000
75	1	4	15	0	0	0.245	0.017	0.106	0.011	0.011	0.006
75	1	4	16	0	0	0.227	0.017	0.108	0.012	0.011	0.006
75	1	4	17	0	0	0.237	0.017	0.099	0.011	0.007	0.005
75	1	4	18	0	0	0.239	0.019	0.103	0.013	0.005	0.005
75	1	4	19	0	0	0.224	0.017	0.108	0.012	0.004	0.004
75	1	4	20	0	0	0.240	0.017	0.097	0.011	0.011	0.006
75	1	4	21	0	0	0.256	0.018	0.116	0.012	0.004	0.004
75	1	4	22	0	0	0.248	0.020	0.115	0.014	0.000	0.000
75	1	4	23	0	0	0.217	0.017	0.093	0.011	0.004	0.004
75	1	5	0	0	0	0.273	0.020	0.138	0.014	0.004	0.004
75	1	5	1	0	0	0.258	0.018	0.093	0.011	0.015	0.007
75	1	5	2	0	0	0.265	0.018	0.112	0.012	0.015	0.007
75	1	5	3	0	0	0.251	0.020	0.110	0.013	0.019	0.009
75	1	5	4	0	0	0.207	0.016	0.089	0.011	0.019	0.008
75	1	5	5	0	0	0.223	0.019	0.093	0.012	0.010	0.007
75	1	5	6	0	0	0.254	0.018	0.108	0.012	0.011	0.006
75	1	5	7	0	0	0.244	0.020	0.058	0.010	0.010	0.007
75	1	5	8	0	0	0.235	0.020	0.134	0.016	0.011	0.008

75	1	5	9	0	0	0.234	0.018	0.105	0.012	0.023	0.009
75	1	5	10	0	0	0.225	0.018	0.119	0.013	0.013	0.007
75	1	5	11	0	0	0.256	0.018	0.122	0.012	0.007	0.005
75	1	5	12	0	0	0.220	0.017	0.093	0.011	0.007	0.005
75	1	5	13	0	0	0.250	0.018	0.106	0.012	0.027	0.010
75	1	5	14	0	0	0.225	0.024	0.103	0.016	0.077	0.024
75	1	5	15	0	0	0.203	0.016	0.110	0.012	0.079	0.017
75	1	5	16	0	0	0.237	0.017	0.103	0.011	0.183	0.026
75	1	5	17	0	0	0.241	0.017	0.124	0.012	0.298	0.033
75	1	5	18	0	0	0.254	0.020	0.104	0.013	0.390	0.044
75	1	5	19	0	0	0.221	0.017	0.102	0.011	0.513	0.044
75	1	5	20	0	0	0.235	0.017	0.089	0.011	0.672	0.049
75	1	5	21	0	0	0.306	0.022	0.125	0.014	0.736	0.057
75	1	5	22	0	0	0.238	0.020	0.096	0.013	1.047	0.072
75	1	5	23	0	0	0.227	0.017	0.116	0.012	0.954	0.060
75	1	6	0	0	0	0.229	0.017	0.102	0.012	1.008	0.063
75	1	6	1	0	0	0.233	0.017	0.115	0.012	1.025	0.062
75	1	6	2	0	0	0.233	0.017	0.106	0.011	0.490	0.042
75	1	6	3	0	0	0.251	0.020	0.095	0.012	0.348	0.040
75	1	6	4	0	0	0.235	0.017	0.106	0.012	0.303	0.034
75	1	6	5	0	0	0.218	0.017	0.120	0.012	0.254	0.030
75	1	6	6	0	0	0.238	0.019	0.128	0.014	0.180	0.029
75	1	6	7	0	0	0.253	0.019	0.088	0.011	0.181	0.027
75	1	6	8	0	0	0.232	0.018	0.094	0.011	0.181	0.027
75	1	6	9	0	0	0.246	0.017	0.123	0.012	0.232	0.029
75	1	6	10	0	0	0.212	0.017	0.119	0.013	0.210	0.029
75	1	6	11	0	0	0.212	0.017	0.109	0.012	0.291	0.034
75	1	6	12	0	0	0.226	0.019	0.108	0.013	0.275	0.036
75	1	6	13	0	0	0.253	0.021	0.113	0.014	0.332	0.040
75	1	6	14	0	0	0.274	0.021	0.122	0.014	0.261	0.035
75	1	6	15	0	0	0.266	0.021	0.120	0.013	0.166	0.028
75	1	6	16	0	0	0.227	0.018	0.122	0.013	0.183	0.027
75	1	6	17	0	0	0.266	0.020	0.126	0.013	0.226	0.031
75	1	6	18	0	0	0.249	0.022	0.101	0.015	0.265	0.039
75	1	6	19	0	0	0.238	0.018	0.120	0.013	0.173	0.027
75	1	6	20	0	0	0.266	0.018	0.113	0.012	0.192	0.026
75	1	6	21	0	0	0.222	0.017	0.101	0.012	0.180	0.026
75	1	6	22	0	0	0.264	0.021	0.096	0.013	0.148	0.027
75	1	6	23	0	0	0.220	0.017	0.089	0.011	0.127	0.022
75	1	7	0	0	0	0.231	0.018	0.109	0.013	0.158	0.026
75	1	7	1	0	0	0.247	0.018	0.074	0.010	0.187	0.026
75	1	7	2	0	0	0.205	0.016	0.108	0.012	0.163	0.024
75	1	7	3	0	0	0.201	0.017	0.110	0.013	0.110	0.022
75	1	7	4	0	0	0.230	0.017	0.094	0.011	0.077	0.017
75	1	7	5	0	0	0.229	0.019	0.103	0.013	0.095	0.021
75	1	7	6	0	0	0.248	0.019	0.110	0.013	0.110	0.022
75	1	7	7	0	0	0.213	0.018	0.080	0.011	0.097	0.021
75	1	7	8	0	0	0.258	0.019	0.084	0.011	0.064	0.016
75	1	7	9	0	0	0.217	0.017	0.099	0.011	0.062	0.015
75	1	7	10	0	0	0.228	0.017	0.084	0.011	0.081	0.018
75	1	7	11	0	0	0.198	0.016	0.097	0.011	0.054	0.014
75	1	7	12	0	0	0.226	0.017	0.105	0.012	0.064	0.015
75	1	7	13	0	0	0.241	0.018	0.106	0.012	0.086	0.018
75	1	7	14	0	0	0.209	0.018	0.105	0.013	0.100	0.022
75	1	7	15	0	0	0.245	0.018	0.119	0.012	0.034	0.011
75	1	7	16	0	0	0.204	0.016	0.102	0.011	0.045	0.013
75	1	7	17	0	0	0.243	0.017	0.103	0.011	0.054	0.014

75	1	7	18	0	0	0.206	0.018	0.112	0.013	0.043	0.014
75	1	7	19	0	0	0.233	0.017	0.102	0.011	0.022	0.009
75	1	7	20	0	0	0.265	0.021	0.128	0.015	0.020	0.010
75	1	7	21	0	0	0.237	0.018	0.083	0.011	0.035	0.012
75	1	7	22	0	0	0.245	0.020	0.079	0.011	0.009	0.007
75	1	7	23	0	0	0.241	0.018	0.093	0.011	0.023	0.009
75	1	8	0	0	0	0.251	0.018	0.090	0.011	0.031	0.011
75	1	8	1	0	0	0.232	0.017	0.114	0.012	0.022	0.009
75	1	8	2	0	0	0.199	0.016	0.089	0.011	0.036	0.011
75	1	8	3	0	0	0.202	0.018	0.094	0.012	0.035	0.013
75	1	8	4	0	0	0.260	0.018	0.122	0.012	0.015	0.007
75	1	8	5	0	0	0.219	0.018	0.111	0.013	0.018	0.009
75	1	8	6	0	0	0.246	0.018	0.112	0.012	0.015	0.007
75	1	8	7	0	0	0.244	0.019	0.102	0.012	0.009	0.006
75	1	8	8	0	0	0.246	0.018	0.123	0.013	0.012	0.007
75	1	8	9	0	0	0.203	0.016	0.089	0.011	0.015	0.008
75	1	8	10	0	0	0.239	0.018	0.118	0.012	0.011	0.006
75	1	8	11	0	0	0.236	0.017	0.088	0.011	0.022	0.009
75	1	8	12	0	0	0.237	0.017	0.100	0.011	0.007	0.005
75	1	8	13	0	0	0.216	0.017	0.112	0.012	0.030	0.011
75	1	8	14	0	0	0.233	0.019	0.084	0.012	0.019	0.009
75	1	8	15	0	0	0.244	0.017	0.098	0.011	0.007	0.005
75	1	8	16	0	0	0.214	0.017	0.116	0.012	0.011	0.006
75	1	8	17	0	0	0.253	0.018	0.108	0.012	0.019	0.008
75	1	8	18	0	0	0.234	0.019	0.106	0.013	0.023	0.010
75	1	8	19	0	0	0.220	0.017	0.103	0.011	0.004	0.004
75	1	8	20	0	0	0.227	0.017	0.122	0.012	0.015	0.007
75	1	8	21	0	0	0.242	0.018	0.104	0.011	0.018	0.008
75	1	8	22	0	0	0.275	0.021	0.107	0.013	0.014	0.008
75	1	8	23	0	0	0.268	0.019	0.118	0.012	0.023	0.009
75	1	9	0	0	0	0.246	0.018	0.097	0.011	0.000	0.000
75	1	9	1	0	0	0.210	0.017	0.105	0.012	0.004	0.004
75	1	9	2	0	0	0.223	0.017	0.120	0.012	0.004	0.004
75	1	9	3	0	0	0.225	0.018	0.098	0.012	0.005	0.005
75	1	9	4	0	0	0.241	0.018	0.104	0.012	0.012	0.007
75	1	9	5	0	0	0.249	0.020	0.117	0.014	0.000	0.000
75	1	9	6	0	0	0.235	0.017	0.109	0.012	0.019	0.008
75	1	9	7	0	0	0.225	0.018	0.107	0.013	0.009	0.006
75	1	9	8	0	0	0.238	0.019	0.108	0.013	0.009	0.006
75	1	9	9	0	0	0.207	0.016	0.119	0.012	0.018	0.008
75	1	9	10	0	0	0.224	0.017	0.114	0.012	0.007	0.005
75	1	9	11	0	0	0.219	0.017	0.092	0.011	0.019	0.008
75	1	9	12	0	0	0.253	0.018	0.104	0.011	0.025	0.010
75	1	9	13	0	0	0.251	0.018	0.122	0.012	0.007	0.005
75	1	9	14	0	0	0.249	0.020	0.104	0.013	0.019	0.009
75	1	9	15	0	0	0.225	0.017	0.113	0.012	0.018	0.008
75	1	9	16	0	0	0.214	0.017	0.106	0.012	0.007	0.005
75	1	9	17	0	0	0.221	0.017	0.098	0.011	0.011	0.006
75	1	9	18	0	0	0.229	0.017	0.125	0.012	0.011	0.006
75	1	9	19	0	0	0.223	0.019	0.096	0.013	0.005	0.005
75	1	9	20	0	0	0.241	0.018	0.110	0.012	0.011	0.006
75	1	9	21	0	0	0.259	0.018	0.114	0.012	0.022	0.009
75	1	9	22	0	0	0.241	0.020	0.116	0.014	0.010	0.007
75	1	9	23	0	0	0.222	0.017	0.091	0.011	0.008	0.005
75	1	10	0	0	0	0.241	0.018	0.121	0.013	0.004	0.004
75	1	10	1	0	0	0.251	0.018	0.111	0.012	0.019	0.008
75	1	10	2	0	0	0.249	0.018	0.121	0.012	0.015	0.007

75	1	10	3	0	0	0.251	0.020	0.117	0.014	0.000	0.000
75	1	10	4	0	0	0.233	0.017	0.117	0.012	0.004	0.004
75	1	10	5	0	0	0.228	0.019	0.108	0.013	0.015	0.009
75	1	10	6	0	0	0.259	0.018	0.103	0.011	0.007	0.005
75	1	10	7	0	0	0.230	0.019	0.120	0.014	0.009	0.006
75	1	10	8	0	0	0.253	0.019	0.137	0.014	0.008	0.006
75	1	10	9	0	0	0.231	0.017	0.123	0.012	0.004	0.004
75	1	10	10	0	0	0.249	0.018	0.117	0.012	0.011	0.006
75	1	10	11	0	0	0.245	0.019	0.115	0.013	0.000	0.000
75	1	10	12	0	0	0.250	0.019	0.156	0.015	0.013	0.008
75	1	10	13	0	0	0.228	0.017	0.104	0.011	0.004	0.004
75	1	10	14	0	0	0.245	0.020	0.112	0.013	0.019	0.009
75	1	10	15	0	0	0.242	0.018	0.094	0.011	0.000	0.000
75	1	10	16	0	0	0.216	0.016	0.110	0.012	0.022	0.009
75	1	10	17	0	0	0.212	0.018	0.112	0.013	0.017	0.009
75	1	10	18	0	0	0.232	0.019	0.114	0.014	0.019	0.009
75	1	10	19	0	0	0.246	0.017	0.108	0.012	0.011	0.006
75	1	10	20	0	0	0.255	0.018	0.131	0.013	0.004	0.004
75	1	10	21	0	0	0.246	0.018	0.107	0.012	0.015	0.007
75	1	10	22	0	0	0.245	0.020	0.115	0.014	0.027	0.011
75	1	10	23	0	0	0.209	0.017	0.114	0.012	0.000	0.000
75	1	11	0	0	0	0.229	0.017	0.114	0.012	0.016	0.008
75	1	11	1	0	0	0.266	0.018	0.102	0.011	0.004	0.004
75	1	11	2	0	0	0.259	0.018	0.110	0.012	0.019	0.008
75	1	11	3	0	0	0.246	0.020	0.149	0.016	0.024	0.011
75	1	11	4	0	0	0.241	0.017	0.104	0.011	0.015	0.007
75	1	11	5	0	0	0.246	0.020	0.104	0.013	0.024	0.011
75	1	11	6	0	0	0.253	0.018	0.125	0.013	0.022	0.009
75	1	11	7	0	0	0.219	0.018	0.126	0.014	0.035	0.012
75	1	11	8	0	0	0.212	0.017	0.104	0.012	0.012	0.007
75	1	11	9	0	0	0.224	0.017	0.098	0.011	0.015	0.007
75	1	11	10	0	0	0.264	0.019	0.120	0.013	0.004	0.004
75	1	11	11	0	0	0.238	0.017	0.103	0.011	0.015	0.007
75	1	11	12	0	0	0.300	0.020	0.130	0.013	0.007	0.005
75	1	11	13	0	0	0.214	0.016	0.093	0.011	0.004	0.004
75	1	11	14	0	0	0.215	0.018	0.113	0.014	0.014	0.008
75	1	11	15	0	0	0.227	0.017	0.096	0.011	0.004	0.004
75	1	11	16	0	0	0.253	0.018	0.100	0.011	0.015	0.007
75	1	11	17	0	0	0.238	0.017	0.126	0.013	0.015	0.007
75	1	11	18	0	0	0.243	0.020	0.092	0.012	0.019	0.009
75	1	11	19	0	0	0.261	0.018	0.108	0.012	0.018	0.008
75	1	11	20	0	0	0.232	0.017	0.088	0.011	0.011	0.006
75	1	11	21	0	0	0.214	0.017	0.116	0.012	0.004	0.004
75	1	11	22	0	0	0.225	0.019	0.104	0.013	0.014	0.008
75	1	11	23	0	0	0.228	0.017	0.103	0.012	0.015	0.008
75	1	12	0	0	0	0.229	0.017	0.118	0.013	0.020	0.009
75	1	12	1	0	0	0.240	0.017	0.123	0.012	0.004	0.004
75	1	12	2	0	0	0.247	0.018	0.108	0.012	0.004	0.004
75	1	12	3	0	0	0.248	0.020	0.089	0.012	0.009	0.007
75	1	12	4	0	0	0.227	0.017	0.120	0.012	0.007	0.005
75	1	12	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	12	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	12	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	12	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	12	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	12	10	0	0	0.284	0.032	0.130	0.020	0.021	0.015
75	1	12	11	0	0	0.231	0.017	0.113	0.012	0.018	0.008

75	1	12	12	0	0	0.240	0.017	0.082	0.010	0.019	0.008
75	1	12	13	0	0	0.249	0.018	0.079	0.010	0.007	0.005
75	1	12	14	0	0	0.243	0.019	0.117	0.014	0.018	0.009
75	1	12	15	0	0	0.224	0.017	0.126	0.013	0.019	0.008
75	1	12	16	0	0	0.265	0.019	0.108	0.012	0.012	0.007
75	1	12	17	0	0	0.231	0.017	0.114	0.012	0.018	0.008
75	1	12	18	0	0	0.230	0.019	0.105	0.013	0.013	0.008
75	1	12	19	0	0	0.270	0.019	0.112	0.012	0.004	0.004
75	1	12	20	0	0	0.233	0.017	0.102	0.011	0.007	0.005
75	1	12	21	0	0	0.231	0.017	0.099	0.011	0.007	0.005
75	1	12	22	0	0	0.222	0.019	0.097	0.013	0.009	0.007
75	1	12	23	0	0	0.228	0.017	0.103	0.011	0.022	0.009
75	1	13	0	0	0	0.247	0.018	0.110	0.012	0.016	0.008
75	1	13	1	0	0	0.246	0.018	0.119	0.012	0.007	0.005
75	1	13	2	0	0	0.224	0.017	0.111	0.012	0.011	0.006
75	1	13	3	0	0	0.224	0.019	0.100	0.013	0.019	0.009
75	1	13	4	0	0	0.246	0.018	0.119	0.012	0.011	0.006
75	1	13	5	0	0	0.208	0.016	0.106	0.011	0.011	0.006
75	1	13	6	0	0	0.240	0.020	0.108	0.013	0.000	0.000
75	1	13	7	0	0	0.213	0.018	0.115	0.013	0.004	0.004
75	1	13	8	0	0	0.223	0.017	0.104	0.012	0.008	0.006
75	1	13	9	0	0	0.231	0.017	0.108	0.012	0.007	0.005
75	1	13	10	0	0	0.253	0.019	0.130	0.014	0.005	0.005
75	1	13	11	0	0	0.240	0.018	0.109	0.012	0.008	0.006
75	1	13	12	0	0	0.243	0.019	0.096	0.012	0.009	0.006
75	1	13	13	0	0	0.241	0.020	0.118	0.013	0.008	0.006
75	1	13	14	0	0	0.209	0.020	0.131	0.015	0.006	0.006
75	1	13	15	0	0	0.251	0.020	0.110	0.013	0.009	0.006
75	1	13	16	0	0	0.245	0.019	0.084	0.011	0.004	0.004
75	1	13	17	0	0	0.207	0.017	0.129	0.014	0.013	0.007
75	1	13	18	0	0	0.253	0.022	0.115	0.015	0.011	0.008
75	1	13	19	0	0	0.271	0.019	0.105	0.012	0.012	0.007
75	1	13	20	0	0	0.243	0.018	0.101	0.011	0.015	0.007
75	1	13	21	0	0	0.234	0.017	0.111	0.012	0.007	0.005
75	1	13	22	0	0	0.227	0.019	0.118	0.014	0.009	0.007
75	1	13	23	0	0	0.272	0.019	0.116	0.012	0.004	0.004
75	1	14	0	0	0	0.279	0.019	0.099	0.012	0.004	0.004
75	1	14	1	0	0	0.237	0.017	0.105	0.012	0.000	0.000
75	1	14	2	0	0	0.224	0.017	0.118	0.012	0.011	0.006
75	1	14	3	0	0	0.249	0.020	0.098	0.012	0.005	0.005
75	1	14	4	0	0	0.224	0.017	0.104	0.012	0.004	0.004
75	1	14	5	0	0	0.201	0.018	0.108	0.013	0.010	0.007
75	1	14	6	0	0	0.243	0.017	0.111	0.012	0.011	0.006
75	1	14	7	0	0	0.246	0.018	0.124	0.013	0.011	0.006
75	1	14	8	0	0	0.248	0.018	0.100	0.011	0.011	0.006
75	1	14	9	0	0	0.223	0.018	0.084	0.011	0.017	0.009
75	1	14	10	0	0	0.274	0.019	0.117	0.013	0.004	0.004
75	1	14	11	0	0	0.213	0.017	0.096	0.012	0.000	0.000
75	1	14	12	0	0	0.246	0.017	0.114	0.012	0.018	0.008
75	1	14	13	0	0	0.255	0.019	0.126	0.013	0.008	0.006
75	1	14	14	0	0	0.250	0.019	0.104	0.012	0.018	0.009
75	1	14	15	0	0	0.238	0.017	0.111	0.012	0.011	0.006
75	1	14	16	0	0	0.239	0.018	0.109	0.012	0.012	0.007
75	1	14	17	0	0	0.198	0.016	0.098	0.011	0.015	0.007
75	1	14	18	0	0	0.245	0.019	0.134	0.014	0.013	0.008
75	1	14	19	0	0	0.260	0.018	0.117	0.012	0.007	0.005
75	1	14	20	0	0	0.223	0.017	0.128	0.013	0.018	0.008

75	1	14	21	0	0	0.231	0.070	0.084	0.042	0.000	0.000
75	1	14	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	14	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	15	0	0	0	0.217	0.018	0.092	0.012	0.004	0.004
75	1	15	1	0	0	0.221	0.017	0.111	0.012	0.008	0.005
75	1	15	2	0	0	0.207	0.016	0.103	0.011	0.004	0.004
75	1	15	3	0	0	0.222	0.017	0.092	0.011	0.004	0.004
75	1	15	4	0	0	0.216	0.017	0.101	0.012	0.007	0.005
75	1	15	5	0	0	0.224	0.018	0.112	0.013	0.012	0.007
75	1	15	6	0	0	0.230	0.017	0.103	0.011	0.007	0.005
75	1	15	7	0	0	0.184	0.015	0.112	0.012	0.007	0.005
75	1	15	8	0	0	0.236	0.017	0.098	0.011	0.018	0.008
75	1	15	9	0	0	0.240	0.020	0.116	0.014	0.015	0.009
75	1	15	10	0	0	0.250	0.018	0.134	0.014	0.020	0.009
75	1	15	11	0	0	0.247	0.018	0.116	0.012	0.008	0.005
75	1	15	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	15	13	0	0	0.248	0.033	0.108	0.022	0.041	0.024
75	1	15	14	0	0	0.237	0.017	0.083	0.010	0.011	0.006
75	1	15	15	0	0	0.206	0.018	0.115	0.014	0.033	0.013
75	1	15	16	0	0	0.245	0.018	0.088	0.011	0.007	0.005
75	1	15	17	0	0	0.236	0.018	0.103	0.012	0.007	0.005
75	1	15	18	0	0	0.220	0.019	0.105	0.013	0.000	0.000
75	1	15	19	0	0	0.225	0.017	0.108	0.012	0.015	0.007
75	1	15	20	0	0	0.237	0.017	0.110	0.012	0.000	0.000
75	1	15	21	0	0	0.217	0.018	0.104	0.012	0.018	0.009
75	1	15	22	0	0	0.246	0.018	0.117	0.012	0.000	0.000
75	1	15	23	0	0	0.244	0.021	0.106	0.014	0.005	0.005
75	1	16	0	0	0	0.267	0.019	0.124	0.013	0.008	0.006
75	1	16	1	0	0	0.209	0.016	0.090	0.011	0.007	0.005
75	1	16	2	0	0	0.242	0.018	0.102	0.011	0.019	0.008
75	1	16	3	0	0	0.240	0.020	0.106	0.013	0.009	0.007
75	1	16	4	0	0	0.235	0.017	0.103	0.011	0.004	0.004
75	1	16	5	0	0	0.247	0.018	0.090	0.011	0.008	0.006
75	1	16	6	0	0	0.215	0.019	0.103	0.013	0.019	0.009
75	1	16	7	0	0	0.208	0.020	0.112	0.015	0.000	0.000
75	1	16	8	0	0	0.211	0.017	0.083	0.011	0.019	0.008
75	1	16	9	0	0	0.209	0.016	0.102	0.011	0.004	0.004
75	1	16	10	0	0	0.216	0.017	0.094	0.011	0.000	0.000
75	1	16	11	0	0	0.236	0.017	0.111	0.012	0.007	0.005
75	1	16	12	0	0	0.213	0.016	0.089	0.011	0.007	0.005
75	1	16	13	0	0	0.212	0.016	0.098	0.011	0.004	0.004
75	1	16	14	0	0	0.215	0.017	0.126	0.013	0.004	0.004
75	1	16	15	0	0	0.192	0.016	0.119	0.012	0.011	0.006
75	1	16	16	0	0	0.250	0.018	0.117	0.012	0.015	0.007
75	1	16	17	0	0	0.246	0.018	0.102	0.011	0.004	0.004
75	1	16	18	0	0	0.229	0.017	0.125	0.013	0.000	0.000
75	1	16	19	0	0	0.241	0.018	0.105	0.012	0.015	0.007
75	1	16	20	0	0	0.246	0.018	0.105	0.012	0.004	0.004
75	1	16	21	0	0	0.218	0.016	0.124	0.012	0.007	0.005
75	1	16	22	0	0	0.241	0.018	0.116	0.012	0.022	0.009
75	1	16	23	0	0	0.256	0.018	0.089	0.011	0.012	0.007
75	1	17	0	0	0	0.210	0.017	0.112	0.012	0.008	0.005
75	1	17	1	0	0	0.217	0.018	0.109	0.013	0.005	0.005
75	1	17	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	17	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	17	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	17	5	0	0	0.201	0.022	0.121	0.017	0.015	0.010

75	1	17	6	0	0	0.212	0.016	0.088	0.010	0.018	0.008
75	1	17	7	0	0	0.262	0.019	0.118	0.013	0.021	0.009
75	1	17	8	0	0	0.225	0.017	0.093	0.011	0.012	0.007
75	1	17	9	0	0	0.227	0.017	0.099	0.011	0.007	0.005
75	1	17	10	0	0	0.223	0.017	0.111	0.012	0.029	0.010
75	1	17	11	0	0	0.225	0.017	0.099	0.011	0.008	0.005
75	1	17	12	0	0	0.251	0.018	0.103	0.012	0.012	0.007
75	1	17	13	0	0	0.241	0.019	0.093	0.012	0.004	0.004
75	1	17	14	0	0	0.270	0.019	0.097	0.011	0.007	0.005
75	1	17	15	0	0	0.261	0.019	0.107	0.012	0.019	0.009
75	1	17	16	0	0	0.000	-15.000	0.114	0.026	0.000	0.000
75	1	17	17	0	0	0.000	-15.000	0.126	0.042	0.000	0.000
75	1	17	18	0	0	0.234	0.018	0.109	0.012	0.021	0.009
75	1	17	19	0	0	0.262	0.019	0.106	0.012	0.020	0.009
75	1	17	20	0	0	0.232	0.017	0.108	0.012	0.012	0.007
75	1	17	21	0	0	0.235	0.019	0.110	0.013	0.022	0.010
75	1	17	22	0	0	0.227	0.019	0.102	0.013	0.014	0.008
75	1	17	23	0	0	0.214	0.017	0.096	0.011	0.008	0.005
75	1	18	0	0	0	0.211	0.017	0.106	0.012	0.012	0.007
75	1	18	1	0	0	0.235	0.018	0.119	0.012	0.012	0.007
75	1	18	2	0	0	0.254	0.018	0.114	0.012	0.016	0.008
75	1	18	3	0	0	0.242	0.019	0.106	0.013	0.009	0.006
75	1	18	4	0	0	0.268	0.018	0.103	0.011	0.011	0.006
75	1	18	5	0	0	0.247	0.026	0.110	0.017	0.007	0.007
75	1	18	6	0	0	0.233	0.018	0.096	0.012	0.004	0.004
75	1	18	7	0	0	0.255	0.018	0.102	0.011	0.011	0.006
75	1	18	8	0	0	0.250	0.018	0.099	0.011	0.015	0.008
75	1	18	9	0	0	0.248	0.020	0.096	0.013	0.005	0.005
75	1	18	10	0	0	0.230	0.018	0.093	0.012	0.004	0.004
75	1	18	11	0	0	0.251	0.018	0.097	0.011	0.011	0.006
75	1	18	12	0	0	0.254	0.018	0.094	0.011	0.019	0.008
75	1	18	13	0	0	0.265	0.018	0.103	0.011	0.011	0.006
75	1	18	14	0	0	0.238	0.017	0.096	0.011	0.004	0.004
75	1	18	15	0	0	0.234	0.019	0.094	0.012	0.014	0.008
75	1	18	16	0	0	0.233	0.018	0.112	0.012	0.012	0.007
75	1	18	17	0	0	0.207	0.016	0.099	0.011	0.015	0.007
75	1	18	18	0	0	0.267	0.018	0.089	0.011	0.004	0.004
75	1	18	19	0	0	0.265	0.021	0.120	0.014	0.005	0.005
75	1	18	20	0	0	0.241	0.018	0.111	0.012	0.007	0.005
75	1	18	21	0	0	0.258	0.018	0.085	0.010	0.022	0.009
75	1	18	22	0	0	0.218	0.019	0.118	0.014	0.009	0.007
75	1	18	23	0	0	0.258	0.018	0.095	0.011	0.004	0.004
75	1	19	0	0	0	0.266	0.019	0.075	0.010	0.004	0.004
75	1	19	1	0	0	0.262	0.018	0.099	0.011	0.000	0.000
75	1	19	2	0	0	0.244	0.018	0.103	0.011	0.004	0.004
75	1	19	3	0	0	0.211	0.018	0.118	0.014	0.018	0.009
75	1	19	4	0	0	0.240	0.017	0.114	0.012	0.015	0.007
75	1	19	5	0	0	0.282	0.021	0.133	0.015	0.005	0.005
75	1	19	6	0	0	0.223	0.017	0.103	0.011	0.004	0.004
75	1	19	7	0	0	0.235	0.017	0.105	0.012	0.019	0.008
75	1	19	8	0	0	0.235	0.017	0.088	0.011	0.007	0.005
75	1	19	9	0	0	0.263	0.020	0.131	0.015	0.014	0.008
75	1	19	10	0	0	0.223	0.017	0.099	0.012	0.000	0.000
75	1	19	11	0	0	0.220	0.017	0.120	0.013	0.008	0.005
75	1	19	12	0	0	0.282	0.019	0.116	0.012	0.008	0.005
75	1	19	13	0	0	0.233	0.017	0.110	0.012	0.007	0.005
75	1	19	14	0	0	0.239	0.017	0.113	0.012	0.007	0.005

75	1	19	15	0	0	0.199	0.018	0.092	0.012	0.014	0.008
75	1	19	16	0	0	0.250	0.018	0.116	0.012	0.015	0.007
75	1	19	17	0	0	0.194	0.016	0.111	0.012	0.019	0.008
75	1	19	18	0	0	0.215	0.016	0.093	0.011	0.000	0.000
75	1	19	19	0	0	0.207	0.018	0.108	0.013	0.024	0.011
75	1	19	20	0	0	0.269	0.024	0.088	0.014	0.025	0.012
75	1	19	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	19	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	19	23	0	0	0.267	0.035	0.121	0.025	0.000	0.000
75	1	20	0	0	0	0.217	0.017	0.106	0.012	0.012	0.007
75	1	20	1	0	0	0.246	0.017	0.114	0.012	0.004	0.004
75	1	20	2	0	0	0.275	0.019	0.105	0.012	0.019	0.008
75	1	20	3	0	0	0.237	0.019	0.118	0.014	0.014	0.008
75	1	20	4	0	0	0.233	0.017	0.134	0.013	0.004	0.004
75	1	20	5	0	0	0.249	0.020	0.099	0.013	0.000	0.000
75	1	20	6	0	0	0.259	0.018	0.084	0.010	0.022	0.009
75	1	20	7	0	0	0.244	0.018	0.094	0.011	0.015	0.007
75	1	20	8	0	0	0.218	0.016	0.110	0.012	0.007	0.005
75	1	20	9	0	0	0.224	0.017	0.115	0.012	0.019	0.008
75	1	20	10	0	0	0.230	0.017	0.144	0.014	0.015	0.007
75	1	20	11	0	0	0.229	0.019	0.101	0.013	0.010	0.007
75	1	20	12	0	0	0.229	0.017	0.104	0.011	0.007	0.005
75	1	20	13	0	0	0.250	0.018	0.101	0.011	0.026	0.010
75	1	20	14	0	0	0.210	0.047	0.147	0.039	0.000	0.000
75	1	20	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	20	16	0	0	0.228	0.052	0.112	0.040	0.000	0.000
75	1	20	17	0	0	0.247	0.018	0.124	0.013	0.011	0.006
75	1	20	18	0	0	0.253	0.018	0.110	0.012	0.015	0.007
75	1	20	19	0	0	0.227	0.019	0.086	0.012	0.010	0.007
75	1	20	20	0	0	0.244	0.018	0.110	0.012	0.015	0.007
75	1	20	21	0	0	0.219	0.016	0.113	0.012	0.007	0.005
75	1	20	22	0	0	0.233	0.019	0.118	0.014	0.015	0.009
75	1	20	23	0	0	0.213	0.018	0.102	0.012	0.021	0.009
75	1	21	0	0	0	0.243	0.020	0.120	0.014	0.023	0.010
75	1	21	1	0	0	0.256	0.018	0.114	0.012	0.000	0.000
75	1	21	2	0	0	0.214	0.017	0.108	0.012	0.008	0.005
75	1	21	3	0	0	0.277	0.021	0.121	0.014	0.009	0.007
75	1	21	4	0	0	0.247	0.018	0.107	0.012	0.011	0.006
75	1	21	5	0	0	0.224	0.019	0.125	0.014	0.014	0.008
75	1	21	6	0	0	0.226	0.017	0.124	0.012	0.007	0.005
75	1	21	7	0	0	0.201	0.016	0.128	0.013	0.008	0.005
75	1	21	8	0	0	0.247	0.018	0.110	0.012	0.004	0.004
75	1	21	9	0	0	0.260	0.020	0.096	0.012	0.000	0.000
75	1	21	10	0	0	0.224	0.019	0.100	0.012	0.009	0.007
75	1	21	11	0	0	0.226	0.021	0.115	0.015	0.005	0.005
75	1	21	12	0	0	0.248	0.032	0.098	0.021	0.014	0.014
75	1	21	13	0	0	0.276	0.021	0.117	0.013	0.004	0.004
75	1	21	14	0	0	0.235	0.020	0.118	0.014	0.010	0.007
75	1	21	15	0	0	0.258	0.022	0.095	0.013	0.005	0.005
75	1	21	16	0	0	0.232	0.022	0.103	0.014	0.006	0.006
75	1	21	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	21	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	21	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	21	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	21	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	21	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	21	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000

75	1	22	0	0	0	0.230	0.018	0.137	0.014	0.000	0.000
75	1	22	1	0	0	0.246	0.018	0.093	0.011	0.019	0.008
75	1	22	2	0	0	0.257	0.019	0.112	0.013	0.004	0.004
75	1	22	3	0	0	0.250	0.019	0.114	0.013	0.017	0.009
75	1	22	4	0	0	0.262	0.020	0.135	0.014	0.013	0.008
75	1	22	5	0	0	0.236	0.017	0.113	0.012	0.008	0.006
75	1	22	6	0	0	0.254	0.021	0.125	0.014	0.005	0.005
75	1	22	7	0	0	0.277	0.019	0.116	0.012	0.023	0.009
75	1	22	8	0	0	0.249	0.020	0.102	0.013	0.015	0.009
75	1	22	9	0	0	0.268	0.019	0.120	0.013	0.015	0.008
75	1	22	10	0	0	0.247	0.020	0.139	0.016	0.014	0.008
75	1	22	11	0	0	0.254	0.021	0.135	0.014	0.009	0.006
75	1	22	12	0	0	0.261	0.018	0.101	0.011	0.015	0.007
75	1	22	13	0	0	0.239	0.019	0.118	0.012	0.008	0.006
75	1	22	14	0	0	0.247	0.018	0.099	0.011	0.007	0.005
75	1	22	15	0	0	0.264	0.019	0.120	0.012	0.016	0.008
75	1	22	16	0	0	0.263	0.021	0.109	0.013	0.025	0.011
75	1	22	17	0	0	0.263	0.020	0.115	0.013	0.000	0.000
75	1	22	18	0	0	0.237	0.020	0.109	0.014	0.005	0.005
75	1	22	19	0	0	0.242	0.018	0.105	0.012	0.004	0.004
75	1	22	20	0	0	0.270	0.021	0.147	0.015	0.024	0.011
75	1	22	21	0	0	0.250	0.018	0.126	0.013	0.007	0.005
75	1	22	22	0	0	0.231	0.017	0.117	0.012	0.015	0.007
75	1	22	23	0	0	0.231	0.019	0.115	0.013	0.005	0.005
75	1	23	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	23	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	23	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	23	3	0	0	0.260	0.018	0.097	0.011	0.008	0.005
75	1	23	4	0	0	0.274	0.020	0.110	0.013	0.009	0.006
75	1	23	5	0	0	0.221	0.017	0.126	0.013	0.004	0.004
75	1	23	6	0	0	0.273	0.021	0.126	0.015	0.019	0.009
75	1	23	7	0	0	0.226	0.017	0.119	0.012	0.000	0.000
75	1	23	8	0	0	0.259	0.018	0.117	0.012	0.011	0.006
75	1	23	9	0	0	0.223	0.017	0.123	0.012	0.011	0.006
75	1	23	10	0	0	0.261	0.021	0.120	0.014	0.010	0.007
75	1	23	11	0	0	0.226	0.017	0.120	0.013	0.004	0.004
75	1	23	12	0	0	0.230	0.017	0.131	0.013	0.015	0.007
75	1	23	13	0	0	0.234	0.018	0.129	0.013	0.012	0.007
75	1	23	14	0	0	0.269	0.021	0.107	0.013	0.000	0.000
75	1	23	15	0	0	0.238	0.017	0.126	0.013	0.018	0.008
75	1	23	16	0	0	0.246	0.019	0.128	0.014	0.013	0.008
75	1	23	17	0	0	0.247	0.019	0.141	0.014	0.012	0.007
75	1	23	18	0	0	0.240	0.019	0.128	0.014	0.007	0.005
75	1	23	19	0	0	0.255	0.018	0.104	0.011	0.011	0.006
75	1	23	20	0	0	0.254	0.020	0.109	0.013	0.019	0.009
75	1	23	21	0	0	0.203	0.016	0.115	0.012	0.011	0.006
75	1	23	22	0	0	0.280	0.020	0.129	0.014	0.009	0.006
75	1	23	23	0	0	0.258	0.019	0.097	0.012	0.008	0.006
75	1	24	0	0	0	0.262	0.019	0.115	0.013	0.020	0.009
75	1	24	1	0	0	0.238	0.017	0.096	0.011	0.007	0.005
75	1	24	2	0	0	0.208	0.018	0.107	0.013	0.028	0.012
75	1	24	3	0	0	0.222	0.017	0.100	0.011	0.011	0.006
75	1	24	4	0	0	0.232	0.019	0.118	0.014	0.037	0.013
75	1	24	5	0	0	0.234	0.018	0.096	0.011	0.032	0.011
75	1	24	6	0	0	0.270	0.035	0.138	0.023	0.012	0.012
75	1	24	7	0	0	0.265	0.033	0.130	0.023	0.000	0.000
75	1	24	8	0	0	0.215	0.018	0.128	0.014	0.013	0.007

75	1	24	9	0	0	0.266	0.018	0.110	0.012	0.011	0.006
75	1	24	10	0	0	0.265	0.018	0.130	0.013	0.004	0.004
75	1	24	11	0	0	0.245	0.019	0.091	0.011	0.012	0.007
75	1	24	12	0	0	0.244	0.018	0.098	0.011	0.007	0.005
75	1	24	13	0	0	0.264	0.018	0.108	0.012	0.004	0.004
75	1	24	14	0	0	0.288	0.021	0.108	0.013	0.014	0.008
75	1	24	15	0	0	0.262	0.019	0.096	0.011	0.015	0.007
75	1	24	16	0	0	0.234	0.017	0.112	0.012	0.015	0.007
75	1	24	17	0	0	0.226	0.017	0.094	0.011	0.015	0.007
75	1	24	18	0	0	0.233	0.020	0.114	0.014	0.010	0.007
75	1	24	19	0	0	0.260	0.018	0.117	0.012	0.011	0.006
75	1	24	20	0	0	0.206	0.044	0.093	0.028	0.000	0.000
75	1	24	21	0	0	0.250	0.025	0.124	0.018	0.022	0.013
75	1	24	22	0	0	0.295	0.021	0.115	0.013	0.014	0.008
75	1	24	23	0	0	0.273	0.019	0.104	0.012	0.016	0.008
75	1	25	0	0	0	0.253	0.018	0.121	0.013	0.008	0.005
75	1	25	1	0	0	0.256	0.018	0.103	0.011	0.015	0.007
75	1	25	2	0	0	0.246	0.020	0.118	0.014	0.019	0.009
75	1	25	3	0	0	0.247	0.018	0.096	0.011	0.007	0.005
75	1	25	4	0	0	0.275	0.020	0.111	0.013	0.004	0.004
75	1	25	5	0	0	0.269	0.019	0.092	0.011	0.004	0.004
75	1	25	6	0	0	0.228	0.018	0.102	0.012	0.004	0.004
75	1	25	7	0	0	0.240	0.019	0.111	0.013	0.023	0.010
75	1	25	8	0	0	0.220	0.017	0.116	0.013	0.004	0.004
75	1	25	9	0	0	0.251	0.018	0.120	0.012	0.007	0.005
75	1	25	10	0	0	0.275	0.019	0.104	0.012	0.012	0.007
75	1	25	11	0	0	0.250	0.018	0.118	0.012	0.015	0.008
75	1	25	12	0	0	0.208	0.017	0.103	0.011	0.007	0.005
75	1	25	13	0	0	0.268	0.019	0.110	0.012	0.004	0.004
75	1	25	14	0	0	0.274	0.020	0.111	0.013	0.005	0.005
75	1	25	15	0	0	0.246	0.018	0.134	0.013	0.004	0.004
75	1	25	16	0	0	0.251	0.018	0.116	0.012	0.022	0.009
75	1	25	17	0	0	0.226	0.017	0.101	0.011	0.011	0.006
75	1	25	18	0	0	0.243	0.019	0.118	0.014	0.000	0.000
75	1	25	19	0	0	0.245	0.018	0.129	0.013	0.011	0.006
75	1	25	20	0	0	0.218	0.016	0.116	0.012	0.004	0.004
75	1	25	21	0	0	0.245	0.018	0.110	0.012	0.022	0.009
75	1	25	22	0	0	0.259	0.020	0.094	0.012	0.005	0.005
75	1	25	23	0	0	0.247	0.018	0.118	0.013	0.008	0.006
75	1	26	0	0	0	0.279	0.019	0.115	0.013	0.012	0.007
75	1	26	1	0	0	0.263	0.018	0.124	0.013	0.007	0.005
75	1	26	2	0	0	0.234	0.019	0.111	0.013	0.000	0.000
75	1	26	3	0	0	0.259	0.018	0.116	0.012	0.004	0.004
75	1	26	4	0	0	0.267	0.021	0.096	0.012	0.005	0.005
75	1	26	5	0	0	0.219	0.017	0.104	0.012	0.004	0.004
75	1	26	6	0	0	0.264	0.018	0.111	0.012	0.011	0.006
75	1	26	7	0	0	0.238	0.019	0.118	0.014	0.005	0.005
75	1	26	8	0	0	0.240	0.018	0.139	0.014	0.021	0.009
75	1	26	9	0	0	0.267	0.018	0.099	0.011	0.007	0.005
75	1	26	10	0	0	0.231	0.017	0.126	0.013	0.012	0.007
75	1	26	11	0	0	0.255	0.018	0.124	0.013	0.004	0.004
75	1	26	12	0	0	0.230	0.017	0.115	0.012	0.007	0.005
75	1	26	13	0	0	0.218	0.017	0.121	0.012	0.011	0.006
75	1	26	14	0	0	0.222	0.018	0.131	0.014	0.004	0.004
75	1	26	15	0	0	0.275	0.019	0.121	0.012	0.011	0.006
75	1	26	16	0	0	0.249	0.018	0.103	0.011	0.007	0.005
75	1	26	17	0	0	0.242	0.018	0.120	0.012	0.019	0.008

75	1	26	18	0	0	0.262	0.021	0.126	0.014	0.019	0.009
75	1	26	19	0	0	0.251	0.018	0.119	0.012	0.011	0.006
75	1	26	20	0	0	0.253	0.018	0.112	0.012	0.011	0.006
75	1	26	21	0	0	0.221	0.017	0.098	0.011	0.007	0.005
75	1	26	22	0	0	0.253	0.019	0.098	0.012	0.018	0.009
75	1	26	23	0	0	0.243	0.018	0.108	0.012	0.004	0.004
75	1	27	0	0	0	0.235	0.018	0.124	0.013	0.008	0.006
75	1	27	1	0	0	0.257	0.019	0.108	0.013	0.009	0.006
75	1	27	2	0	0	0.270	0.019	0.104	0.012	0.019	0.009
75	1	27	3	0	0	0.207	0.016	0.123	0.012	0.011	0.006
75	1	27	4	0	0	0.243	0.020	0.108	0.013	0.019	0.009
75	1	27	5	0	0	0.278	0.019	0.117	0.012	0.012	0.007
75	1	27	6	0	0	0.261	0.021	0.120	0.014	0.015	0.009
75	1	27	7	0	0	0.253	0.019	0.119	0.013	0.004	0.004
75	1	27	8	0	0	0.272	0.018	0.125	0.012	0.007	0.005
75	1	27	9	0	0	0.227	0.017	0.131	0.013	0.011	0.006
75	1	27	10	0	0	0.293	0.019	0.105	0.012	0.011	0.006
75	1	27	11	0	0	0.291	0.020	0.111	0.012	0.012	0.007
75	1	27	12	0	0	0.248	0.023	0.109	0.014	0.012	0.008
75	1	27	13	0	0	0.240	0.021	0.131	0.014	0.013	0.008
75	1	27	14	0	0	0.244	0.019	0.122	0.013	0.012	0.007
75	1	27	15	0	0	0.272	0.022	0.114	0.014	0.009	0.007
75	1	27	16	0	0	0.277	0.023	0.104	0.013	0.005	0.005
75	1	27	17	0	0	0.237	0.018	0.124	0.013	0.016	0.008
75	1	27	18	0	0	0.259	0.021	0.153	0.016	0.010	0.007
75	1	27	19	0	0	0.263	0.019	0.120	0.012	0.011	0.006
75	1	27	20	0	0	0.231	0.017	0.105	0.011	0.015	0.007
75	1	27	21	0	0	0.244	0.018	0.133	0.013	0.011	0.006
75	1	27	22	0	0	0.271	0.021	0.104	0.013	0.009	0.006
75	1	27	23	0	0	0.231	0.018	0.102	0.012	0.016	0.008
75	1	28	0	0	0	0.239	0.018	0.114	0.012	0.012	0.007
75	1	28	1	0	0	0.231	0.019	0.115	0.013	0.005	0.005
75	1	28	2	0	0	0.251	0.018	0.100	0.011	0.019	0.009
75	1	28	3	0	0	0.256	0.018	0.110	0.012	0.015	0.007
75	1	28	4	0	0	0.241	0.020	0.117	0.014	0.019	0.009
75	1	28	5	0	0	0.281	0.019	0.144	0.014	0.026	0.010
75	1	28	6	0	0	0.287	0.021	0.104	0.013	0.009	0.007
75	1	28	7	0	0	0.274	0.020	0.119	0.013	0.021	0.010
75	1	28	8	0	0	0.257	0.018	0.144	0.013	0.007	0.005
75	1	28	9	0	0	0.231	0.018	0.116	0.013	0.008	0.006
75	1	28	10	0	0	0.241	0.018	0.117	0.012	0.019	0.008
75	1	28	11	0	0	0.228	0.019	0.087	0.011	0.013	0.007
75	1	28	12	0	0	0.246	0.019	0.116	0.013	0.009	0.006
75	1	28	13	0	0	0.222	0.023	0.099	0.016	0.026	0.013
75	1	28	14	0	0	0.244	0.020	0.103	0.013	0.005	0.005
75	1	28	15	0	0	0.266	0.022	0.104	0.013	0.010	0.007
75	1	28	16	0	0	0.257	0.020	0.104	0.012	0.005	0.005
75	1	28	17	0	0	0.243	0.018	0.117	0.012	0.008	0.005
75	1	28	18	0	0	0.267	0.018	0.103	0.011	0.011	0.006
75	1	28	19	0	0	0.225	0.018	0.116	0.013	0.000	0.000
75	1	28	20	0	0	0.210	0.024	0.120	0.019	0.018	0.012
75	1	28	21	0	0	0.267	0.018	0.115	0.012	0.011	0.006
75	1	28	22	0	0	0.284	0.021	0.102	0.012	0.013	0.008
75	1	28	23	0	0	0.243	0.018	0.118	0.013	0.000	0.000
75	1	29	0	0	0	0.272	0.020	0.110	0.013	0.018	0.009
75	1	29	1	0	0	0.257	0.020	0.126	0.015	0.010	0.007
75	1	29	2	0	0	0.250	0.018	0.117	0.012	0.004	0.004

75	1	29	3	0	0	0.267	0.018	0.119	0.012	0.004	0.004
75	1	29	4	0	0	0.257	0.020	0.115	0.013	0.009	0.007
75	1	29	5	0	0	0.238	0.017	0.133	0.013	0.007	0.005
75	1	29	6	0	0	0.297	0.022	0.113	0.014	0.009	0.007
75	1	29	7	0	0	0.258	0.022	0.144	0.017	0.012	0.008
75	1	29	8	0	0	0.213	0.016	0.105	0.011	0.011	0.006
75	1	29	9	0	0	0.257	0.018	0.123	0.012	0.011	0.006
75	1	29	10	0	0	0.255	0.021	0.096	0.012	0.019	0.009
75	1	29	11	0	0	0.278	0.021	0.109	0.013	0.026	0.011
75	1	29	12	0	0	0.238	0.019	0.114	0.013	0.013	0.007
75	1	29	13	0	0	0.245	0.022	0.080	0.012	0.006	0.006
75	1	29	14	0	0	0.292	0.024	0.101	0.014	0.029	0.013
75	1	29	15	0	0	0.249	0.020	0.126	0.014	0.009	0.006
75	1	29	16	0	0	0.254	0.020	0.123	0.014	0.004	0.004
75	1	29	17	0	0	0.284	0.020	0.099	0.012	0.012	0.007
75	1	29	18	0	0	0.273	0.019	0.130	0.013	0.000	0.000
75	1	29	19	0	0	0.286	0.021	0.100	0.013	0.005	0.005
75	1	29	20	0	0	0.234	0.017	0.116	0.012	0.015	0.007
75	1	29	21	0	0	0.256	0.018	0.118	0.012	0.011	0.006
75	1	29	22	0	0	0.236	0.017	0.108	0.012	0.015	0.007
75	1	29	23	0	0	0.242	0.021	0.121	0.015	0.016	0.009
75	1	30	0	0	0	0.245	0.019	0.125	0.014	0.032	0.012
75	1	30	1	0	0	0.233	0.017	0.131	0.013	0.004	0.004
75	1	30	2	0	0	0.264	0.020	0.121	0.014	0.005	0.005
75	1	30	3	0	0	0.249	0.018	0.103	0.011	0.007	0.005
75	1	30	4	0	0	0.218	0.033	0.094	0.021	0.027	0.019
75	1	30	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	30	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	30	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	30	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	30	9	0	0	0.239	0.025	0.118	0.018	0.031	0.015
75	1	30	10	0	0	0.225	0.020	0.135	0.015	0.010	0.007
75	1	30	11	0	0	0.249	0.018	0.110	0.012	0.015	0.007
75	1	30	12	0	0	0.164	0.032	0.126	0.028	0.019	0.019
75	1	30	13	0	0	0.272	0.023	0.126	0.015	0.013	0.009
75	1	30	14	0	0	0.244	0.019	0.121	0.013	0.000	0.000
75	1	30	15	0	0	0.241	0.018	0.115	0.012	0.012	0.007
75	1	30	16	0	0	0.227	0.018	0.125	0.013	0.024	0.010
75	1	30	17	0	0	0.247	0.019	0.115	0.012	0.004	0.004
75	1	30	18	0	0	0.217	0.018	0.121	0.013	0.015	0.008
75	1	30	19	0	0	0.217	0.029	0.083	0.018	0.000	0.000
75	1	30	20	0	0	0.201	0.017	0.099	0.012	0.012	0.007
75	1	30	21	0	0	0.258	0.019	0.116	0.012	0.004	0.004
75	1	30	22	0	0	0.240	0.019	0.095	0.012	0.013	0.008
75	1	30	23	0	0	0.268	0.021	0.102	0.012	0.013	0.008
75	1	31	0	0	0	0.241	0.030	0.107	0.021	0.000	0.000
75	1	31	1	0	0	0.229	0.017	0.119	0.012	0.007	0.005
75	1	31	2	0	0	0.251	0.018	0.111	0.012	0.008	0.005
75	1	31	3	0	0	0.298	0.023	0.117	0.014	0.010	0.007
75	1	31	4	0	0	0.206	0.022	0.100	0.015	0.007	0.007
75	1	31	5	0	0	0.250	0.018	0.133	0.013	0.016	0.008
75	1	31	6	0	0	0.250	0.018	0.097	0.011	0.004	0.004
75	1	31	7	0	0	0.236	0.017	0.102	0.011	0.007	0.005
75	1	31	8	0	0	0.256	0.018	0.099	0.011	0.011	0.006
75	1	31	9	0	0	0.267	0.022	0.136	0.018	0.000	0.000
75	1	31	10	0	0	0.267	0.019	0.108	0.012	0.004	0.004
75	1	31	11	0	0	0.233	0.020	0.125	0.014	0.012	0.008

75	1	31	12	0	0	0.274	0.020	0.116	0.013	0.013	0.007
75	1	31	13	0	0	0.206	0.017	0.122	0.012	0.012	0.007
75	1	31	14	0	0	0.232	0.018	0.088	0.011	0.021	0.009
75	1	31	15	0	0	0.221	0.042	0.101	0.025	0.000	0.000
75	1	31	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	31	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	31	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	31	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	1	31	20	0	0	0.236	0.019	0.099	0.013	0.005	0.005
75	1	31	21	0	0	0.257	0.019	0.104	0.012	0.004	0.004
75	1	31	22	0	0	0.212	0.019	0.112	0.013	0.028	0.012
75	1	31	23	0	0	0.224	0.018	0.131	0.014	0.008	0.006
75	2	1	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	11	0	0	0.259	0.024	0.078	0.014	0.006	0.006
75	2	1	12	0	0	0.244	0.020	0.135	0.015	0.010	0.007
75	2	1	13	0	0	0.227	0.020	0.108	0.013	0.018	0.009
75	2	1	14	0	0	0.189	0.020	0.112	0.015	0.000	0.000
75	2	1	15	0	0	0.292	0.036	0.086	0.013	0.011	0.011
75	2	1	16	0	0	0.248	0.034	0.078	0.016	0.000	0.000
75	2	1	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	1	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	2	0	0	0	0.243	0.018	0.110	0.012	0.004	0.004
75	2	2	1	0	0	0.231	0.019	0.101	0.013	0.004	0.004
75	2	2	2	0	0	0.264	0.018	0.105	0.012	0.022	0.009
75	2	2	3	0	0	0.235	0.017	0.128	0.013	0.000	0.000
75	2	2	4	0	0	0.222	0.019	0.121	0.014	0.010	0.007
75	2	2	5	0	0	0.235	0.017	0.109	0.012	0.018	0.008
75	2	2	6	0	0	0.234	0.020	0.109	0.014	0.005	0.005
75	2	2	7	0	0	0.245	0.018	0.102	0.011	0.011	0.006
75	2	2	8	0	0	0.245	0.021	0.119	0.015	0.006	0.006
75	2	2	9	0	0	0.268	0.019	0.102	0.012	0.016	0.008
75	2	2	10	0	0	0.247	0.018	0.110	0.012	0.019	0.008
75	2	2	11	0	0	0.230	0.020	0.108	0.013	0.010	0.007
75	2	2	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	2	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	2	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	2	15	0	0	0.210	0.031	0.079	0.019	0.000	0.000
75	2	2	16	0	0	0.223	0.017	0.130	0.013	0.011	0.006
75	2	2	17	0	0	0.226	0.021	0.113	0.014	0.005	0.005
75	2	2	18	0	0	0.221	0.048	0.137	0.027	0.000	0.000
75	2	2	19	0	0	0.242	0.018	0.128	0.013	0.007	0.005
75	2	2	20	0	0	0.231	0.017	0.117	0.012	0.007	0.005

75	2	2	21	0	0	0.216	0.019	0.086	0.012	0.005	0.005
75	2	2	22	0	0	0.245	0.018	0.117	0.012	0.019	0.008
75	2	2	23	0	0	0.255	0.018	0.118	0.012	0.015	0.008
75	2	3	0	0	0	0.236	0.021	0.125	0.015	0.026	0.012
75	2	3	1	0	0	0.239	0.018	0.099	0.011	0.012	0.007
75	2	3	2	0	0	0.233	0.017	0.114	0.012	0.015	0.007
75	2	3	3	0	0	0.235	0.018	0.091	0.011	0.012	0.007
75	2	3	4	0	0	0.193	0.017	0.116	0.013	0.004	0.004
75	2	3	5	0	0	0.212	0.017	0.130	0.013	0.000	0.000
75	2	3	6	0	0	0.243	0.020	0.141	0.015	0.015	0.009
75	2	3	7	0	0	0.233	0.019	0.115	0.014	0.000	0.000
75	2	3	8	0	0	0.242	0.018	0.109	0.012	0.008	0.005
75	2	3	9	0	0	0.246	0.022	0.114	0.014	0.015	0.009
75	2	3	10	0	0	0.269	0.023	0.138	0.017	0.006	0.006
75	2	3	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	3	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	3	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	3	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	3	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	3	16	0	0	0.219	0.022	0.124	0.017	0.014	0.010
75	2	3	17	0	0	0.274	0.019	0.117	0.012	0.007	0.005
75	2	3	18	0	0	0.260	0.020	0.103	0.013	0.010	0.007
75	2	3	19	0	0	0.261	0.021	0.120	0.014	0.005	0.005
75	2	3	20	0	0	0.223	0.017	0.116	0.012	0.004	0.004
75	2	3	21	0	0	0.241	0.018	0.129	0.013	0.004	0.004
75	2	3	22	0	0	0.244	0.020	0.118	0.014	0.010	0.007
75	2	3	23	0	0	0.243	0.018	0.107	0.012	0.012	0.007
75	2	4	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	10	0	0	0.249	0.021	0.078	0.012	0.000	0.000
75	2	4	11	0	0	0.243	0.021	0.122	0.016	0.015	0.009
75	2	4	12	0	0	0.216	0.028	0.141	0.019	0.021	0.012
75	2	4	13	0	0	0.238	0.030	0.120	0.020	0.022	0.016
75	2	4	14	0	0	0.265	0.056	0.152	0.036	0.041	0.041
75	2	4	15	0	0	0.261	0.033	0.107	0.019	0.000	0.000
75	2	4	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	4	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	5	0	0	0	0.239	0.018	0.095	0.011	0.000	0.000
75	2	5	1	0	0	0.246	0.020	0.133	0.015	0.000	0.000
75	2	5	2	0	0	0.235	0.019	0.099	0.013	0.014	0.008
75	2	5	3	0	0	0.283	0.019	0.112	0.012	0.004	0.004
75	2	5	4	0	0	0.236	0.017	0.107	0.012	0.000	0.000
75	2	5	5	0	0	0.267	0.032	0.119	0.020	0.023	0.016

75	2	5	6	0	0	0.268	0.020	0.101	0.013	0.019	0.009
75	2	5	7	0	0	0.235	0.017	0.112	0.012	0.019	0.008
75	2	5	8	0	0	0.241	0.017	0.107	0.012	0.022	0.009
75	2	5	9	0	0	0.255	0.018	0.115	0.012	0.011	0.006
75	2	5	10	0	0	0.235	0.018	0.124	0.013	0.012	0.007
75	2	5	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	5	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	5	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	5	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	5	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	5	16	0	0	0.276	0.019	0.109	0.012	0.004	0.004
75	2	5	17	0	0	0.243	0.018	0.125	0.013	0.011	0.006
75	2	5	18	0	0	0.237	0.018	0.093	0.011	0.030	0.011
75	2	5	19	0	0	0.250	0.019	0.091	0.011	0.021	0.009
75	2	5	20	0	0	0.242	0.019	0.098	0.012	0.014	0.008
75	2	5	21	0	0	0.270	0.019	0.122	0.012	0.007	0.005
75	2	5	22	0	0	0.217	0.019	0.128	0.015	0.009	0.007
75	2	5	23	0	0	0.230	0.018	0.079	0.010	0.008	0.005
75	2	6	0	0	0	0.234	0.020	0.113	0.014	0.011	0.008
75	2	6	1	0	0	0.235	0.017	0.116	0.012	0.007	0.005
75	2	6	2	0	0	0.228	0.017	0.106	0.011	0.011	0.006
75	2	6	3	0	0	0.215	0.017	0.107	0.012	0.024	0.010
75	2	6	4	0	0	0.229	0.018	0.143	0.015	0.013	0.008
75	2	6	5	0	0	0.250	0.018	0.099	0.012	0.012	0.007
75	2	6	6	0	0	0.248	0.019	0.129	0.014	0.018	0.009
75	2	6	7	0	0	0.251	0.019	0.115	0.012	0.020	0.009
75	2	6	8	0	0	0.243	0.018	0.121	0.012	0.019	0.008
75	2	6	9	0	0	0.263	0.018	0.105	0.012	0.008	0.005
75	2	6	10	0	0	0.228	0.017	0.114	0.012	0.004	0.004
75	2	6	11	0	0	0.253	0.018	0.130	0.014	0.008	0.006
75	2	6	12	0	0	0.256	0.020	0.092	0.012	0.005	0.005
75	2	6	13	0	0	0.249	0.018	0.120	0.012	0.011	0.006
75	2	6	14	0	0	0.247	0.019	0.115	0.013	0.009	0.006
75	2	6	15	0	0	0.233	0.017	0.126	0.013	0.000	0.000
75	2	6	16	0	0	0.238	0.017	0.128	0.013	0.007	0.005
75	2	6	17	0	0	0.275	0.020	0.119	0.013	0.013	0.007
75	2	6	18	0	0	0.232	0.018	0.128	0.013	0.004	0.004
75	2	6	19	0	0	0.248	0.020	0.097	0.013	0.000	0.000
75	2	6	20	0	0	0.204	0.016	0.121	0.012	0.004	0.004
75	2	6	21	0	0	0.286	0.019	0.124	0.012	0.011	0.006
75	2	6	22	0	0	0.238	0.019	0.112	0.013	0.005	0.005
75	2	6	23	0	0	0.253	0.018	0.122	0.013	0.004	0.004
75	2	7	0	0	0	0.251	0.020	0.128	0.015	0.005	0.005
75	2	7	1	0	0	0.245	0.017	0.103	0.011	0.007	0.005
75	2	7	2	0	0	0.230	0.017	0.112	0.012	0.011	0.006
75	2	7	3	0	0	0.239	0.018	0.142	0.014	0.008	0.005
75	2	7	4	0	0	0.241	0.019	0.108	0.013	0.013	0.008
75	2	7	5	0	0	0.208	0.017	0.114	0.012	0.009	0.006
75	2	7	6	0	0	0.224	0.018	0.128	0.014	0.009	0.006
75	2	7	7	0	0	0.248	0.019	0.126	0.014	0.016	0.008
75	2	7	8	0	0	0.269	0.021	0.102	0.012	0.009	0.006
75	2	7	9	0	0	0.238	0.018	0.101	0.012	0.008	0.005
75	2	7	10	0	0	0.259	0.018	0.101	0.012	0.012	0.007
75	2	7	11	0	0	0.267	0.018	0.125	0.013	0.004	0.004
75	2	7	12	0	0	0.250	0.018	0.140	0.014	0.016	0.008
75	2	7	13	0	0	0.214	0.018	0.123	0.014	0.009	0.006
75	2	7	14	0	0	0.243	0.017	0.097	0.011	0.011	0.006

75	2	7	15	0	0	0.246	0.018	0.116	0.012	0.004	0.004
75	2	7	16	0	0	0.247	0.018	0.116	0.012	0.019	0.009
75	2	7	17	0	0	0.249	0.018	0.108	0.012	0.007	0.005
75	2	7	18	0	0	0.210	0.016	0.099	0.011	0.007	0.005
75	2	7	19	0	0	0.243	0.020	0.109	0.014	0.020	0.010
75	2	7	20	0	0	0.243	0.018	0.112	0.012	0.007	0.005
75	2	7	21	0	0	0.265	0.018	0.145	0.014	0.019	0.008
75	2	7	22	0	0	0.259	0.020	0.106	0.013	0.009	0.006
75	2	7	23	0	0	0.269	0.019	0.110	0.012	0.008	0.006
75	2	8	0	0	0	0.249	0.020	0.131	0.015	0.005	0.005
75	2	8	1	0	0	0.197	0.024	0.099	0.017	0.026	0.015
75	2	8	2	0	0	0.251	0.018	0.134	0.013	0.004	0.004
75	2	8	3	0	0	0.319	0.044	0.066	0.020	0.000	0.000
75	2	8	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	9	0	0	0.243	0.020	0.089	0.012	0.000	0.000
75	2	8	10	0	0	0.255	0.018	0.108	0.012	0.011	0.006
75	2	8	11	0	0	0.243	0.018	0.113	0.012	0.012	0.007
75	2	8	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	8	17	0	0	0.589	0.223	0.000	-15.000	0.000	-15.000
75	2	8	18	0	0	0.249	0.018	0.133	0.013	0.015	0.007
75	2	8	19	0	0	0.249	0.020	0.103	0.013	0.005	0.005
75	2	8	20	0	0	0.261	0.018	0.113	0.012	0.022	0.009
75	2	8	21	0	0	0.249	0.020	0.121	0.014	0.005	0.005
75	2	8	22	0	0	0.245	0.018	0.115	0.012	0.011	0.006
75	2	8	23	0	0	0.257	0.019	0.103	0.012	0.004	0.004
75	2	9	0	0	0	0.246	0.019	0.145	0.015	0.014	0.008
75	2	9	1	0	0	0.258	0.019	0.111	0.012	0.008	0.006
75	2	9	2	0	0	0.234	0.017	0.110	0.012	0.022	0.009
75	2	9	3	0	0	0.249	0.020	0.101	0.013	0.014	0.008
75	2	9	4	0	0	0.247	0.018	0.124	0.013	0.011	0.006
75	2	9	5	0	0	0.231	0.020	0.096	0.013	0.020	0.010
75	2	9	6	0	0	0.261	0.019	0.120	0.014	0.009	0.006
75	2	9	7	0	0	0.257	0.018	0.135	0.013	0.004	0.004
75	2	9	8	0	0	0.256	0.018	0.124	0.013	0.004	0.004
75	2	9	9	0	0	0.249	0.018	0.110	0.012	0.015	0.007
75	2	9	10	0	0	0.300	0.020	0.126	0.013	0.004	0.004
75	2	9	11	0	0	0.268	0.032	0.134	0.023	0.000	0.000
75	2	9	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	9	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	9	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	9	15	0	0	0.209	0.020	0.134	0.016	0.006	0.006
75	2	9	16	0	0	0.277	0.019	0.091	0.011	0.016	0.008
75	2	9	17	0	0	0.237	0.019	0.108	0.013	0.010	0.007
75	2	9	18	0	0	0.236	0.017	0.107	0.012	0.019	0.008
75	2	9	19	0	0	0.259	0.018	0.105	0.011	0.011	0.006
75	2	9	20	0	0	0.254	0.018	0.110	0.012	0.012	0.007
75	2	9	21	0	0	0.293	0.021	0.122	0.014	0.009	0.006
75	2	9	22	0	0	0.247	0.018	0.143	0.013	0.007	0.005
75	2	9	23	0	0	0.303	0.020	0.108	0.012	0.015	0.008

75	2	10	0	0	0	0.228	0.019	0.116	0.014	0.015	0.009
75	2	10	1	0	0	0.245	0.018	0.119	0.012	0.022	0.009
75	2	10	2	0	0	0.259	0.018	0.110	0.012	0.007	0.005
75	2	10	3	0	0	0.239	0.020	0.125	0.014	0.025	0.011
75	2	10	4	0	0	0.231	0.017	0.119	0.013	0.012	0.007
75	2	10	5	0	0	0.257	0.018	0.121	0.012	0.015	0.007
75	2	10	6	0	0	0.259	0.021	0.119	0.014	0.005	0.005
75	2	10	7	0	0	0.247	0.018	0.112	0.012	0.008	0.005
75	2	10	8	0	0	0.246	0.018	0.116	0.012	0.007	0.005
75	2	10	9	0	0	0.269	0.022	0.151	0.016	0.005	0.005
75	2	10	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	10	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	10	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	10	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	10	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	10	15	0	0	0.215	0.037	0.158	0.032	0.000	0.000
75	2	10	16	0	0	0.284	0.067	0.142	0.047	0.000	0.000
75	2	10	17	0	0	0.274	0.029	0.095	0.016	0.008	0.008
75	2	10	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	10	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	10	20	0	0	0.255	0.024	0.115	0.016	0.020	0.011
75	2	10	21	0	0	0.222	0.017	0.110	0.012	0.015	0.007
75	2	10	22	0	0	0.260	0.019	0.110	0.012	0.031	0.011
75	2	10	23	0	0	0.244	0.033	0.084	0.020	0.014	0.014
75	2	11	0	0	0	0.233	0.020	0.124	0.015	0.005	0.005
75	2	11	1	0	0	0.243	0.018	0.117	0.013	0.004	0.004
75	2	11	2	0	0	0.241	0.017	0.115	0.012	0.000	0.000
75	2	11	3	0	0	0.232	0.026	0.095	0.016	0.008	0.008
75	2	11	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	11	15	0	0	0.216	0.022	0.104	0.015	0.013	0.009
75	2	11	16	0	0	0.232	0.017	0.093	0.011	0.019	0.008
75	2	11	17	0	0	0.237	0.019	0.111	0.013	0.014	0.008
75	2	11	18	0	0	0.232	0.017	0.122	0.012	0.007	0.005
75	2	11	19	0	0	0.253	0.018	0.111	0.012	0.004	0.004
75	2	11	20	0	0	0.244	0.018	0.097	0.011	0.019	0.008
75	2	11	21	0	0	0.232	0.017	0.107	0.012	0.011	0.006
75	2	11	22	0	0	0.216	0.017	0.121	0.013	0.019	0.009
75	2	11	23	0	0	0.241	0.037	0.044	0.017	0.019	0.019
75	2	12	0	0	0	0.232	0.018	0.117	0.013	0.020	0.009
75	2	12	1	0	0	0.271	0.019	0.109	0.012	0.000	0.000
75	2	12	2	0	0	0.226	0.034	0.089	0.022	0.040	0.023
75	2	12	3	0	0	0.228	0.017	0.129	0.012	0.004	0.004
75	2	12	4	0	0	0.274	0.019	0.124	0.012	0.007	0.005
75	2	12	5	0	0	0.287	0.030	0.126	0.020	0.019	0.013
75	2	12	6	0	0	0.253	0.020	0.145	0.015	0.014	0.008
75	2	12	7	0	0	0.258	0.021	0.120	0.015	0.021	0.010
75	2	12	8	0	0	0.259	0.040	0.110	0.021	0.000	0.000

75	2	12	9	0	0	0.256	0.022	0.097	0.014	0.012	0.008
75	2	12	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	12	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	12	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	12	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	12	14	0	0	0.243	0.048	0.095	0.032	0.000	0.000
75	2	12	15	0	0	0.285	0.020	0.107	0.012	0.028	0.011
75	2	12	16	0	0	0.264	0.020	0.099	0.012	0.013	0.007
75	2	12	17	0	0	0.228	0.017	0.130	0.013	0.007	0.005
75	2	12	18	0	0	0.251	0.020	0.114	0.013	0.000	0.000
75	2	12	19	0	0	0.259	0.018	0.102	0.011	0.011	0.006
75	2	12	20	0	0	0.222	0.017	0.088	0.011	0.004	0.004
75	2	12	21	0	0	0.253	0.018	0.111	0.012	0.004	0.004
75	2	12	22	0	0	0.215	0.017	0.115	0.013	0.016	0.008
75	2	12	23	0	0	0.260	0.022	0.107	0.014	0.000	0.000
75	2	13	0	0	0	0.194	0.018	0.121	0.014	0.014	0.008
75	2	13	1	0	0	0.230	0.017	0.124	0.012	0.004	0.004
75	2	13	2	0	0	0.246	0.018	0.122	0.012	0.030	0.011
75	2	13	3	0	0	0.243	0.018	0.116	0.012	0.008	0.005
75	2	13	4	0	0	0.246	0.019	0.123	0.014	0.005	0.005
75	2	13	5	0	0	0.251	0.018	0.121	0.013	0.019	0.009
75	2	13	6	0	0	0.237	0.019	0.107	0.013	0.004	0.004
75	2	13	7	0	0	0.251	0.018	0.106	0.012	0.011	0.006
75	2	13	8	0	0	0.242	0.018	0.092	0.011	0.004	0.004
75	2	13	9	0	0	0.215	0.016	0.088	0.010	0.011	0.006
75	2	13	10	0	0	0.249	0.018	0.130	0.013	0.019	0.008
75	2	13	11	0	0	0.216	0.017	0.119	0.013	0.012	0.007
75	2	13	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	13	13	0	0	0.281	0.044	0.147	0.039	0.000	0.000
75	2	13	14	0	0	0.235	0.018	0.128	0.013	0.008	0.005
75	2	13	15	0	0	0.235	0.017	0.118	0.012	0.011	0.006
75	2	13	16	0	0	0.253	0.019	0.113	0.012	0.023	0.009
75	2	13	17	0	0	0.266	0.018	0.102	0.011	0.018	0.008
75	2	13	18	0	0	0.214	0.018	0.117	0.013	0.009	0.006
75	2	13	19	0	0	0.251	0.020	0.123	0.014	0.005	0.005
75	2	13	20	0	0	0.239	0.017	0.124	0.012	0.015	0.007
75	2	13	21	0	0	0.228	0.017	0.117	0.012	0.019	0.008
75	2	13	22	0	0	0.253	0.020	0.104	0.013	0.009	0.007
75	2	13	23	0	0	0.251	0.018	0.095	0.011	0.020	0.009
75	2	14	0	0	0	0.251	0.020	0.126	0.015	0.014	0.008
75	2	14	1	0	0	0.216	0.017	0.116	0.012	0.011	0.006
75	2	14	2	0	0	0.250	0.018	0.122	0.012	0.008	0.005
75	2	14	3	0	0	0.232	0.018	0.121	0.013	0.012	0.007
75	2	14	4	0	0	0.244	0.019	0.117	0.013	0.018	0.009
75	2	14	5	0	0	0.224	0.018	0.105	0.012	0.012	0.007
75	2	14	6	0	0	0.208	0.019	0.103	0.013	0.010	0.007
75	2	14	7	0	0	0.251	0.021	0.110	0.014	0.021	0.011
75	2	14	8	0	0	0.268	0.019	0.089	0.011	0.015	0.008
75	2	14	9	0	0	0.222	0.017	0.119	0.012	0.035	0.012
75	2	14	10	0	0	0.221	0.017	0.128	0.013	0.015	0.007
75	2	14	11	0	0	0.256	0.018	0.115	0.012	0.018	0.008
75	2	14	12	0	0	0.240	0.017	0.105	0.012	0.004	0.004
75	2	14	13	0	0	0.235	0.017	0.098	0.011	0.007	0.005
75	2	14	14	0	0	0.232	0.017	0.129	0.013	0.007	0.005
75	2	14	15	0	0	0.218	0.017	0.129	0.013	0.007	0.005
75	2	14	16	0	0	0.231	0.019	0.100	0.013	0.010	0.007
75	2	14	17	0	0	0.251	0.019	0.129	0.013	0.004	0.004

75	2	14	18	0	0	0.216	0.019	0.096	0.012	0.010	0.007
75	2	14	19	0	0	0.261	0.018	0.096	0.011	0.011	0.006
75	2	14	20	0	0	0.250	0.018	0.099	0.011	0.012	0.007
75	2	14	21	0	0	0.244	0.018	0.097	0.011	0.011	0.006
75	2	14	22	0	0	25032.637	6.305	0.110	0.013	0.005	
0.005											
75	2	14	23	0	0	0.208	0.018	0.099	0.012	0.008	0.006
75	2	15	0	0	0	0.260	0.022	0.117	0.015	0.011	0.008
75	2	15	1	0	0	0.231	0.018	0.110	0.012	0.008	0.006
75	2	15	2	0	0	0.253	0.020	0.114	0.013	0.009	0.006
75	2	15	3	0	0	0.270	0.019	0.122	0.012	0.019	0.008
75	2	15	4	0	0	0.235	0.017	0.112	0.012	0.022	0.009
75	2	15	5	0	0	0.231	0.017	0.118	0.012	0.008	0.005
75	2	15	6	0	0	0.242	0.019	0.084	0.011	0.013	0.007
75	2	15	7	0	0	0.209	0.017	0.106	0.012	0.004	0.004
75	2	15	8	0	0	0.267	0.018	0.114	0.012	0.004	0.004
75	2	15	9	0	0	0.277	0.019	0.126	0.013	0.019	0.009
75	2	15	10	0	0	0.242	0.018	0.129	0.013	0.007	0.005
75	2	15	11	0	0	0.240	0.018	0.113	0.012	0.012	0.007
75	2	15	12	0	0	0.253	0.084	0.042	0.030	0.000	0.000
75	2	15	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	15	14	0	0	0.249	0.032	0.139	0.024	0.000	0.000
75	2	15	15	0	0	0.251	0.018	0.108	0.012	0.004	0.004
75	2	15	16	0	0	0.245	0.018	0.120	0.012	0.004	0.004
75	2	15	17	0	0	0.236	0.019	0.122	0.013	0.013	0.007
75	2	15	18	0	0	0.253	0.018	0.120	0.012	0.026	0.010
75	2	15	19	0	0	0.242	0.018	0.101	0.011	0.007	0.005
75	2	15	20	0	0	0.236	0.017	0.108	0.012	0.007	0.005
75	2	15	21	0	0	0.219	0.017	0.099	0.011	0.011	0.006
75	2	15	22	0	0	0.290	0.021	0.109	0.013	0.014	0.008
75	2	15	23	0	0	0.237	0.018	0.093	0.011	0.015	0.008
75	2	16	0	0	0	0.263	0.020	0.134	0.014	0.000	0.000
75	2	16	1	0	0	0.226	0.017	0.101	0.011	0.015	0.007
75	2	16	2	0	0	0.271	0.024	0.124	0.015	0.019	0.011
75	2	16	3	0	0	0.246	0.020	0.110	0.013	0.010	0.007
75	2	16	4	0	0	0.214	0.018	0.132	0.014	0.000	0.000
75	2	16	5	0	0	0.260	0.019	0.089	0.011	0.008	0.006
75	2	16	6	0	0	0.241	0.020	0.105	0.014	0.000	0.000
75	2	16	7	0	0	0.237	0.017	0.124	0.013	0.015	0.007
75	2	16	8	0	0	0.237	0.020	0.114	0.014	0.000	0.000
75	2	16	9	0	0	0.281	0.020	0.116	0.012	0.000	0.000
75	2	16	10	0	0	0.281	0.020	0.099	0.012	0.004	0.004
75	2	16	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	16	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	16	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	16	14	0	0	0.289	0.039	0.105	0.027	0.000	0.000
75	2	16	15	0	0	0.266	0.018	0.116	0.012	0.011	0.006
75	2	16	16	0	0	0.249	0.018	0.103	0.012	0.015	0.008
75	2	16	17	0	0	0.253	0.018	0.123	0.012	0.018	0.008
75	2	16	18	0	0	0.323	0.081	0.136	0.051	0.000	0.000
75	2	16	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	16	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	16	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	16	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	16	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000

75	2	17	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	8	0	0	0.303	0.071	0.147	0.028	0.025	0.025
75	2	17	9	0	0	0.193	0.023	0.096	0.015	0.000	0.000
75	2	17	10	0	0	0.198	0.021	0.107	0.014	0.010	0.007
75	2	17	11	0	0	0.210	0.017	0.111	0.012	0.022	0.009
75	2	17	12	0	0	0.258	0.019	0.122	0.012	0.022	0.009
75	2	17	13	0	0	0.213	0.022	0.103	0.015	0.006	0.006
75	2	17	14	0	0	0.199	0.022	0.126	0.018	0.021	0.012
75	2	17	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	17	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	0	0	0	0.268	0.029	0.117	0.019	0.000	0.000
75	2	18	1	0	0	0.236	0.017	0.133	0.013	0.011	0.006
75	2	18	2	0	0	0.270	0.018	0.116	0.012	0.011	0.006
75	2	18	3	0	0	0.255	0.026	0.102	0.016	0.008	0.008
75	2	18	4	0	0	0.281	0.020	0.089	0.011	0.013	0.007
75	2	18	5	0	0	0.201	0.028	0.110	0.019	0.009	0.009
75	2	18	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	18	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	19	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	19	1	0	0	0.225	0.030	0.000	-15.000	0.000	-15.000
75	2	19	2	0	0	0.266	0.023	0.103	0.014	0.012	0.008
75	2	19	3	0	0	0.255	0.016	0.120	0.011	0.014	0.006
75	2	19	4	0	0	0.251	0.016	0.114	0.011	0.006	0.004
75	2	19	5	0	0	0.296	0.017	0.130	0.011	0.026	0.009
75	2	19	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	19	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	19	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	19	9	0	0	0.253	0.089	0.090	0.040	0.000	0.000
75	2	19	10	0	0	0.000	-15.000	0.000	0.000	0.000	-15.000

75	2	19	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	19	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	19	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	19	14	0	0	0.233	0.024	0.141	0.018	0.007	0.007
75	2	19	15	0	0	0.205	0.020	0.112	0.015	0.012	0.008
75	2	19	16	0	0	0.262	0.022	0.117	0.015	0.022	0.008
75	2	19	17	0	0	0.231	0.017	0.091	0.011	0.004	0.004
75	2	19	18	0	0	0.256	0.022	0.105	0.014	0.017	0.010
75	2	19	19	0	0	0.263	0.018	0.103	0.012	0.011	0.006
75	2	19	20	0	0	0.227	0.017	0.116	0.012	0.015	0.007
75	2	19	21	0	0	0.216	0.017	0.144	0.013	0.004	0.004
75	2	19	22	0	0	0.247	0.019	0.108	0.013	0.009	0.006
75	2	19	23	0	0	0.258	0.021	0.103	0.013	0.011	0.008
75	2	20	0	0	0	0.230	0.017	0.121	0.013	0.015	0.008
75	2	20	1	0	0	0.251	0.022	0.134	0.016	0.006	0.006
75	2	20	2	0	0	0.241	0.018	0.093	0.011	0.007	0.005
75	2	20	3	0	0	0.247	0.018	0.122	0.012	0.007	0.005
75	2	20	4	0	0	0.211	0.020	0.114	0.015	0.035	0.014
75	2	20	5	0	0	0.245	0.018	0.121	0.012	0.007	0.005
75	2	20	6	0	0	0.242	0.017	0.107	0.012	0.007	0.005
75	2	20	7	0	0	0.291	0.019	0.102	0.011	0.012	0.007
75	2	20	8	0	0	0.279	0.027	0.097	0.016	0.023	0.013
75	2	20	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	20	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	20	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	20	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	20	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	20	14	0	0	0.251	0.022	0.116	0.015	0.017	0.010
75	2	20	15	0	0	0.254	0.022	0.087	0.013	0.006	0.006
75	2	20	16	0	0	0.278	0.019	0.101	0.012	0.019	0.009
75	2	20	17	0	0	0.231	0.017	0.111	0.012	0.011	0.006
75	2	20	18	0	0	0.276	0.023	0.120	0.015	0.000	0.000
75	2	20	19	0	0	0.250	0.018	0.118	0.012	0.004	0.004
75	2	20	20	0	0	0.267	0.021	0.130	0.015	0.019	0.010
75	2	20	21	0	0	0.263	0.018	0.135	0.013	0.007	0.005
75	2	20	22	0	0	0.277	0.019	0.125	0.013	0.011	0.006
75	2	20	23	0	0	0.262	0.024	0.101	0.015	0.000	0.000
75	2	21	0	0	0	0.262	0.030	0.126	0.020	0.000	0.000
75	2	21	1	0	0	0.275	0.023	0.139	0.016	0.011	0.008
75	2	21	2	0	0	0.241	0.018	0.103	0.012	0.019	0.009
75	2	21	3	0	0	0.234	0.017	0.122	0.012	0.030	0.010
75	2	21	4	0	0	0.226	0.021	0.158	0.018	0.017	0.010
75	2	21	5	0	0	0.241	0.017	0.105	0.012	0.022	0.009
75	2	21	6	0	0	0.226	0.017	0.121	0.012	0.011	0.006
75	2	21	7	0	0	0.236	0.017	0.122	0.012	0.030	0.010
75	2	21	8	0	0	0.269	0.018	0.134	0.013	0.011	0.006
75	2	21	9	0	0	0.243	0.022	0.136	0.016	0.023	0.012
75	2	21	10	0	0	0.245	0.018	0.135	0.013	0.022	0.009
75	2	21	11	0	0	0.261	0.018	0.098	0.011	0.007	0.005
75	2	21	12	0	0	0.302	0.020	0.133	0.013	0.030	0.010
75	2	21	13	0	0	0.261	0.018	0.121	0.012	0.019	0.008
75	2	21	14	0	0	0.279	0.019	0.125	0.013	0.000	0.000
75	2	21	15	0	0	0.237	0.021	0.139	0.016	0.022	0.011
75	2	21	16	0	0	0.250	0.018	0.114	0.012	0.026	0.010
75	2	21	17	0	0	0.296	0.029	0.105	0.017	0.039	0.017
75	2	21	18	0	0	0.253	0.022	0.112	0.015	0.006	0.006
75	2	21	19	0	0	0.258	0.018	0.138	0.013	0.023	0.009

75	2	21	20	0	0	0.255	0.018	0.124	0.012	0.004	0.004
75	2	21	21	0	0	0.249	0.018	0.103	0.012	0.012	0.007
75	2	21	22	0	0	0.253	0.019	0.119	0.013	0.018	0.009
75	2	21	23	0	0	0.234	0.020	0.100	0.013	0.026	0.012
75	2	22	0	0	0	0.246	0.018	0.103	0.012	0.019	0.009
75	2	22	1	0	0	0.254	0.022	0.097	0.013	0.011	0.008
75	2	22	2	0	0	0.256	0.018	0.107	0.012	0.012	0.007
75	2	22	3	0	0	0.226	0.017	0.121	0.013	0.004	0.004
75	2	22	4	0	0	0.241	0.020	0.099	0.013	0.019	0.009
75	2	22	5	0	0	0.229	0.019	0.101	0.013	0.014	0.008
75	2	22	6	0	0	0.217	0.017	0.106	0.012	0.004	0.004
75	2	22	7	0	0	0.272	0.021	0.096	0.013	0.005	0.005
75	2	22	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	22	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	22	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	22	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	22	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	22	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	22	14	0	0	0.243	0.018	0.139	0.014	0.013	0.007
75	2	22	15	0	0	0.193	0.020	0.136	0.016	0.012	0.008
75	2	22	16	0	0	0.235	0.017	0.121	0.012	0.019	0.008
75	2	22	17	0	0	0.242	0.017	0.095	0.011	0.004	0.004
75	2	22	18	0	0	0.233	0.021	0.107	0.014	0.012	0.008
75	2	22	19	0	0	0.246	0.018	0.117	0.012	0.012	0.007
75	2	22	20	0	0	0.205	0.016	0.107	0.012	0.011	0.006
75	2	22	21	0	0	0.257	0.019	0.093	0.011	0.004	0.004
75	2	22	22	0	0	0.249	0.021	0.110	0.014	0.005	0.005
75	2	22	23	0	0	0.211	0.021	0.108	0.016	0.000	0.000
75	2	23	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	8	0	0	0.208	0.020	0.120	0.014	0.021	0.010
75	2	23	9	0	0	0.266	0.023	0.117	0.015	0.006	0.006
75	2	23	10	0	0	0.228	0.017	0.121	0.012	0.015	0.007
75	2	23	11	0	0	0.264	0.018	0.104	0.011	0.019	0.008
75	2	23	12	0	0	0.230	0.017	0.105	0.012	0.007	0.005
75	2	23	13	0	0	0.234	0.018	0.101	0.011	0.015	0.008
75	2	23	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	23	23	0	0	0.189	0.077	0.063	0.045	0.000	0.000
75	2	24	0	0	0	0.279	0.019	0.095	0.011	0.008	0.005
75	2	24	1	0	0	0.236	0.021	0.132	0.016	0.022	0.011
75	2	24	2	0	0	0.253	0.018	0.108	0.012	0.015	0.008
75	2	24	3	0	0	0.278	0.019	0.120	0.012	0.022	0.009
75	2	24	4	0	0	0.262	0.022	0.120	0.015	0.006	0.006

75	2	24	5	0	0	0.249	0.018	0.109	0.012	0.004	0.004
75	2	24	6	0	0	0.258	0.018	0.111	0.012	0.007	0.005
75	2	24	7	0	0	0.247	0.018	0.112	0.012	0.015	0.007
75	2	24	8	0	0	0.254	0.021	0.107	0.013	0.014	0.008
75	2	24	9	0	0	0.237	0.023	0.131	0.017	0.026	0.013
75	2	24	10	0	0	0.229	0.017	0.104	0.011	0.004	0.004
75	2	24	11	0	0	0.213	0.019	0.111	0.013	0.005	0.005
75	2	24	12	0	0	0.278	0.020	0.096	0.011	0.008	0.006
75	2	24	13	0	0	0.235	0.018	0.102	0.011	0.015	0.008
75	2	24	14	0	0	0.256	0.018	0.105	0.012	0.015	0.008
75	2	24	15	0	0	0.240	0.019	0.110	0.013	0.019	0.009
75	2	24	16	0	0	0.237	0.023	0.088	0.014	0.000	0.000
75	2	24	17	0	0	0.232	0.017	0.107	0.012	0.007	0.005
75	2	24	18	0	0	0.241	0.022	0.095	0.014	0.006	0.006
75	2	24	19	0	0	0.259	0.018	0.121	0.013	0.019	0.009
75	2	24	20	0	0	0.254	0.018	0.111	0.012	0.019	0.008
75	2	24	21	0	0	0.235	0.017	0.095	0.011	0.011	0.006
75	2	24	22	0	0	0.221	0.021	0.124	0.016	0.006	0.006
75	2	24	23	0	0	0.258	0.019	0.108	0.012	0.013	0.007
75	2	25	0	0	0	0.216	0.017	0.093	0.011	0.015	0.008
75	2	25	1	0	0	0.253	0.023	0.130	0.016	0.012	0.008
75	2	25	2	0	0	0.259	0.018	0.119	0.012	0.004	0.004
75	2	25	3	0	0	0.265	0.018	0.095	0.011	0.007	0.005
75	2	25	4	0	0	0.272	0.023	0.126	0.016	0.006	0.006
75	2	25	5	0	0	0.236	0.017	0.126	0.013	0.004	0.004
75	2	25	6	0	0	0.241	0.017	0.112	0.012	0.007	0.005
75	2	25	7	0	0	0.258	0.018	0.109	0.012	0.015	0.007
75	2	25	8	0	0	0.239	0.020	0.103	0.012	0.021	0.009
75	2	25	9	0	0	0.256	0.021	0.108	0.013	0.014	0.008
75	2	25	10	0	0	0.235	0.018	0.104	0.011	0.007	0.005
75	2	25	11	0	0	0.237	0.018	0.105	0.012	0.015	0.007
75	2	25	12	0	0	0.209	0.019	0.114	0.013	0.000	0.000
75	2	25	13	0	0	0.238	0.019	0.142	0.015	0.009	0.007
75	2	25	14	0	0	0.201	0.020	0.101	0.014	0.023	0.012
75	2	25	15	0	0	0.241	0.018	0.114	0.012	0.012	0.007
75	2	25	16	0	0	0.270	0.019	0.108	0.012	0.023	0.009
75	2	25	17	0	0	0.213	0.024	0.124	0.018	0.008	0.008
75	2	25	18	0	0	0.258	0.022	0.111	0.014	0.011	0.008
75	2	25	19	0	0	0.294	0.019	0.110	0.012	0.012	0.007
75	2	25	20	0	0	0.228	0.026	0.095	0.016	0.017	0.012
75	2	25	21	0	0	0.264	0.018	0.111	0.012	0.015	0.007
75	2	25	22	0	0	0.260	0.018	0.095	0.011	0.011	0.006
75	2	25	23	0	0	0.251	0.022	0.133	0.017	0.013	0.009
75	2	26	0	0	0	0.278	0.021	0.114	0.013	0.005	0.005
75	2	26	1	0	0	0.219	0.016	0.124	0.012	0.020	0.008
75	2	26	2	0	0	0.247	0.018	0.126	0.013	0.019	0.009
75	2	26	3	0	0	0.242	0.018	0.104	0.012	0.015	0.008
75	2	26	4	0	0	0.249	0.018	0.121	0.013	0.008	0.005
75	2	26	5	0	0	0.232	0.016	0.109	0.011	0.017	0.007
75	2	26	6	0	0	0.260	0.019	0.113	0.012	0.004	0.004
75	2	26	7	0	0	0.234	0.023	0.144	0.015	0.017	0.010
75	2	26	8	0	0	0.267	0.020	0.116	0.012	0.008	0.005
75	2	26	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	26	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	26	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	26	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	26	13	0	0	0.292	0.048	0.166	0.036	0.000	0.000

75	2	26	14	0	0	0.239	0.018	0.112	0.012	0.012	0.007
75	2	26	15	0	0	0.214	0.017	0.116	0.012	0.019	0.009
75	2	26	16	0	0	0.228	0.020	0.112	0.013	0.000	0.000
75	2	26	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	26	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	26	19	0	0	0.268	0.027	0.121	0.018	0.031	0.015
75	2	26	20	0	0	0.237	0.018	0.115	0.013	0.017	0.008
75	2	26	21	0	0	0.285	0.022	0.116	0.014	0.010	0.007
75	2	26	22	0	0	0.258	0.018	0.110	0.012	0.004	0.004
75	2	26	23	0	0	0.225	0.018	0.093	0.012	0.021	0.009
75	2	27	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	27	23	0	0	0.316	0.100	0.063	0.045	0.000	0.000
75	2	28	0	0	0	0.267	0.019	0.100	0.011	0.008	0.005
75	2	28	1	0	0	0.266	0.023	0.138	0.017	0.023	0.012
75	2	28	2	0	0	0.249	0.018	0.124	0.012	0.011	0.006
75	2	28	3	0	0	0.222	0.017	0.117	0.012	0.004	0.004
75	2	28	4	0	0	0.254	0.022	0.118	0.015	0.006	0.006
75	2	28	5	0	0	0.245	0.018	0.121	0.013	0.015	0.007
75	2	28	6	0	0	0.253	0.018	0.100	0.011	0.004	0.004
75	2	28	7	0	0	0.225	0.018	0.126	0.013	0.000	0.000
75	2	28	8	0	0	0.242	0.021	0.148	0.016	0.015	0.008
75	2	28	9	0	0	0.255	0.023	0.088	0.014	0.012	0.009
75	2	28	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	28	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	2	28	12	0	0	0.196	0.026	0.074	0.016	0.009	0.009
75	2	28	13	0	0	0.237	0.021	0.123	0.014	0.010	0.007
75	2	28	14	0	0	0.265	0.019	0.134	0.014	0.020	0.009
75	2	28	15	0	0	0.289	0.022	0.105	0.014	0.000	0.000
75	2	28	16	0	0	0.258	0.018	0.140	0.013	0.022	0.009
75	2	28	17	0	0	0.250	0.018	0.116	0.012	0.022	0.009
75	2	28	18	0	0	0.251	0.022	0.122	0.016	0.012	0.008
75	2	28	19	0	0	0.265	0.018	0.108	0.012	0.019	0.009
75	2	28	20	0	0	0.232	0.017	0.106	0.012	0.015	0.007
75	2	28	21	0	0	0.232	0.017	0.095	0.011	0.011	0.006
75	2	28	22	0	0	0.247	0.022	0.122	0.016	0.023	0.012

75	2	28	23	0	0	0.233	0.019	0.110	0.013	0.009	0.006
75	3	1	0	0	0	0.248	0.019	0.132	0.014	0.009	0.006
75	3	1	1	0	0	0.230	0.021	0.154	0.017	0.044	0.015
75	3	1	2	0	0	0.258	0.019	0.117	0.013	0.015	0.008
75	3	1	3	0	0	0.237	0.017	0.115	0.012	0.015	0.007
75	3	1	4	0	0	0.314	0.024	0.136	0.016	0.016	0.009
75	3	1	5	0	0	0.238	0.018	0.097	0.011	0.015	0.008
75	3	1	6	0	0	0.260	0.018	0.114	0.012	0.019	0.008
75	3	1	7	0	0	0.228	0.033	0.077	0.019	0.000	0.000
75	3	1	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	15	0	0	0.231	0.018	0.118	0.013	0.013	0.007
75	3	1	16	0	0	0.226	0.019	0.098	0.012	0.009	0.006
75	3	1	17	0	0	0.234	0.017	0.119	0.012	0.015	0.007
75	3	1	18	0	0	0.244	0.021	0.116	0.014	0.031	0.013
75	3	1	19	0	0	0.297	0.025	0.101	0.014	0.023	0.012
75	3	1	20	0	0	0.260	0.045	0.126	0.028	0.019	0.019
75	3	1	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	1	23	0	0	0.246	0.040	0.133	0.031	0.000	0.000
75	3	2	0	0	0	0.205	0.019	0.110	0.014	0.011	0.008
75	3	2	1	0	0	0.233	0.017	0.111	0.012	0.007	0.005
75	3	2	2	0	0	0.267	0.018	0.116	0.012	0.015	0.007
75	3	2	3	0	0	0.259	0.018	0.116	0.012	0.011	0.006
75	3	2	4	0	0	0.232	0.021	0.115	0.015	0.016	0.009
75	3	2	5	0	0	0.226	0.017	0.112	0.012	0.012	0.007
75	3	2	6	0	0	0.230	0.017	0.111	0.012	0.018	0.008
75	3	2	7	0	0	0.298	0.025	0.103	0.013	0.010	0.007
75	3	2	8	0	0	0.213	0.035	0.142	0.019	0.016	0.012
75	3	2	9	0	0	0.210	0.054	0.137	0.038	0.000	0.000
75	3	2	10	0	0	0.249	0.032	0.103	0.013	0.024	0.012
75	3	2	11	0	0	0.253	0.025	0.110	0.014	0.000	0.000
75	3	2	12	0	0	0.217	0.024	0.100	0.013	0.015	0.009
75	3	2	13	0	0	0.265	0.020	0.113	0.014	0.009	0.006
75	3	2	14	0	0	0.221	0.021	0.093	0.014	0.000	0.000
75	3	2	15	0	0	0.234	0.019	0.110	0.012	0.018	0.009
75	3	2	16	0	0	0.274	0.076	0.126	0.045	0.046	0.046
75	3	2	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	2	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	2	19	0	0	0.249	0.021	0.115	0.014	0.010	0.007
75	3	2	20	0	0	0.279	0.020	0.118	0.013	0.025	0.010
75	3	2	21	0	0	0.244	0.022	0.121	0.015	0.024	0.012
75	3	2	22	0	0	0.258	0.020	0.093	0.011	0.020	0.009
75	3	2	23	0	0	0.272	0.020	0.105	0.012	0.017	0.008
75	3	3	0	0	0	0.226	0.017	0.097	0.011	0.012	0.007
75	3	3	1	0	0	0.261	0.021	0.145	0.015	0.019	0.010
75	3	3	2	0	0	0.246	0.019	0.113	0.013	0.013	0.007
75	3	3	3	0	0	0.251	0.018	0.097	0.011	0.000	0.000
75	3	3	4	0	0	0.281	0.023	0.108	0.014	0.006	0.006
75	3	3	5	0	0	0.230	0.018	0.102	0.012	0.004	0.004
75	3	3	6	0	0	0.227	0.054	0.126	0.024	0.015	0.015
75	3	3	7	0	0	0.000	-15.000	0.095	0.055	0.000	-15.000

75	3	3	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	13	0	0	0.256	0.030	0.154	0.025	0.019	0.013
75	3	3	14	0	0	0.253	0.036	0.114	0.021	0.000	0.000
75	3	3	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	3	19	0	0	0.243	0.034	0.090	0.020	0.079	0.032
75	3	3	20	0	0	0.243	0.018	0.116	0.012	0.097	0.020
75	3	3	21	0	0	0.293	0.023	0.113	0.014	0.088	0.020
75	3	3	22	0	0	0.257	0.019	0.120	0.013	0.072	0.017
75	3	3	23	0	0	0.264	0.028	0.148	0.022	0.059	0.022
75	3	4	0	0	0	0.255	0.019	0.119	0.013	0.056	0.015
75	3	4	1	0	0	0.274	0.020	0.122	0.014	0.075	0.018
75	3	4	2	0	0	0.260	0.018	0.115	0.012	0.030	0.010
75	3	4	3	0	0	0.220	0.017	0.114	0.012	0.044	0.013
75	3	4	4	0	0	0.220	0.019	0.123	0.014	0.051	0.015
75	3	4	5	0	0	0.234	0.021	0.126	0.015	0.027	0.012
75	3	4	6	0	0	0.243	0.018	0.117	0.013	0.032	0.011
75	3	4	7	0	0	0.312	0.031	0.084	0.017	0.046	0.019
75	3	4	8	0	0	0.233	0.024	0.112	0.013	0.005	0.005
75	3	4	9	0	0	0.271	0.031	0.087	0.015	0.012	0.009
75	3	4	10	0	0	0.323	0.048	0.105	0.024	0.012	0.012
75	3	4	11	0	0	0.223	0.033	0.110	0.017	0.026	0.015
75	3	4	12	0	0	0.272	0.032	0.113	0.014	0.007	0.007
75	3	4	13	0	0	0.237	0.022	0.091	0.013	0.011	0.008
75	3	4	14	0	0	0.231	0.017	0.088	0.011	0.011	0.006
75	3	4	15	0	0	0.254	0.018	0.116	0.012	0.015	0.007
75	3	4	16	0	0	0.242	0.017	0.104	0.011	0.015	0.007
75	3	4	17	0	0	0.284	0.019	0.114	0.012	0.011	0.006
75	3	4	18	0	0	0.241	0.023	0.104	0.015	0.013	0.009
75	3	4	19	0	0	0.225	0.017	0.111	0.012	0.026	0.010
75	3	4	20	0	0	0.226	0.017	0.104	0.011	0.004	0.004
75	3	4	21	0	0	0.213	0.016	0.136	0.013	0.011	0.006
75	3	4	22	0	0	0.227	0.022	0.126	0.016	0.000	0.000
75	3	4	23	0	0	0.237	0.018	0.084	0.011	0.004	0.004
75	3	5	0	0	0	0.211	0.016	0.082	0.010	0.008	0.005
75	3	5	1	0	0	0.221	0.017	0.121	0.013	0.012	0.007
75	3	5	2	0	0	0.236	0.021	0.106	0.014	0.011	0.008
75	3	5	3	0	0	0.214	0.017	0.101	0.011	0.022	0.009
75	3	5	4	0	0	0.251	0.018	0.106	0.011	0.011	0.006
75	3	5	5	0	0	0.266	0.023	0.098	0.014	0.017	0.010
75	3	5	6	0	0	0.255	0.018	0.094	0.011	0.007	0.005
75	3	5	7	0	0	0.286	0.040	0.126	0.026	0.015	0.015
75	3	5	8	0	0	0.379	0.126	0.056	0.028	0.062	0.062
75	3	5	9	0	0	0.206	0.044	0.084	0.034	0.041	0.041
75	3	5	10	0	0	0.300	0.040	0.123	0.021	0.000	0.000
75	3	5	11	0	0	0.368	0.062	0.126	0.073	0.041	0.041
75	3	5	12	0	0	0.000	-15.000	0.000	-15.000	0.000	0.000
75	3	5	13	0	0	0.249	0.021	0.107	0.014	0.015	0.009
75	3	5	14	0	0	0.244	0.020	0.112	0.014	0.010	0.007
75	3	5	15	0	0	0.249	0.018	0.116	0.012	0.022	0.009
75	3	5	16	0	0	0.250	0.018	0.092	0.011	0.011	0.006

75	3	5	17	0	0	0.234	0.018	0.122	0.012	0.004	0.004
75	3	5	18	0	0	0.276	0.023	0.130	0.016	0.012	0.008
75	3	5	19	0	0	0.291	0.022	0.109	0.013	0.035	0.012
75	3	5	20	0	0	0.271	0.019	0.112	0.012	0.031	0.011
75	3	5	21	0	0	0.238	0.018	0.121	0.013	0.023	0.009
75	3	5	22	0	0	0.250	0.027	0.118	0.018	0.008	0.008
75	3	5	23	0	0	0.284	0.020	0.141	0.014	0.000	0.000
75	3	6	0	0	0	0.274	0.019	0.115	0.013	0.020	0.009
75	3	6	1	0	0	0.270	0.020	0.082	0.011	0.025	0.010
75	3	6	2	0	0	0.271	0.025	0.117	0.016	0.007	0.007
75	3	6	3	0	0	0.265	0.018	0.126	0.013	0.007	0.005
75	3	6	4	0	0	0.301	0.019	0.104	0.011	0.015	0.007
75	3	6	5	0	0	0.287	0.029	0.109	0.018	0.000	0.000
75	3	6	6	0	0	0.253	0.019	0.116	0.013	0.016	0.008
75	3	6	7	0	0	0.221	0.084	0.189	0.077	0.093	0.093
75	3	6	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	14	0	0	0.266	0.019	0.111	0.012	0.008	0.005
75	3	6	15	0	0	0.230	0.017	0.111	0.012	0.007	0.005
75	3	6	16	0	0	0.288	0.019	0.124	0.013	0.019	0.009
75	3	6	17	0	0	0.253	0.046	0.135	0.034	0.025	0.025
75	3	6	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	6	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	7	0	0	0	0.251	0.018	0.110	0.012	0.016	0.008
75	3	7	1	0	0	0.228	0.017	0.107	0.012	0.007	0.005
75	3	7	2	0	0	0.260	0.022	0.091	0.013	0.011	0.008
75	3	7	3	0	0	0.302	0.019	0.103	0.011	0.004	0.004
75	3	7	4	0	0	0.260	0.018	0.119	0.012	0.011	0.006
75	3	7	5	0	0	0.266	0.022	0.119	0.015	0.006	0.006
75	3	7	6	0	0	0.271	0.018	0.124	0.012	0.015	0.007
75	3	7	7	0	0	0.253	0.029	0.110	0.017	0.009	0.009
75	3	7	8	0	0	0.224	0.028	0.126	0.018	0.028	0.016
75	3	7	9	0	0	0.253	0.027	0.104	0.016	0.000	0.000
75	3	7	10	0	0	0.228	0.037	0.084	0.021	0.037	0.021
75	3	7	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	7	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	7	13	0	0	0.267	0.019	0.115	0.013	0.008	0.006
75	3	7	14	0	0	0.273	0.019	0.112	0.012	0.015	0.007
75	3	7	15	0	0	0.250	0.018	0.112	0.012	0.007	0.005
75	3	7	16	0	0	0.246	0.019	0.105	0.013	0.012	0.007
75	3	7	17	0	0	0.266	0.020	0.113	0.012	0.007	0.005
75	3	7	18	0	0	0.238	0.019	0.102	0.012	0.020	0.009
75	3	7	19	0	0	0.211	0.017	0.116	0.012	0.015	0.008
75	3	7	20	0	0	0.216	0.018	0.123	0.013	0.008	0.006
75	3	7	21	0	0	0.245	0.019	0.128	0.013	0.008	0.006
75	3	7	22	0	0	0.272	0.020	0.097	0.012	0.004	0.004
75	3	7	23	0	0	0.248	0.023	0.124	0.016	0.013	0.010
75	3	8	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000

75	3	8	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	8	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	9	0	0	0	0.258	0.018	0.114	0.012	0.011	0.006
75	3	9	1	0	0	0.249	0.018	0.111	0.012	0.011	0.006
75	3	9	2	0	0	0.247	0.022	0.111	0.015	0.017	0.010
75	3	9	3	0	0	0.272	0.019	0.103	0.011	0.015	0.007
75	3	9	4	0	0	0.234	0.017	0.104	0.011	0.022	0.009
75	3	9	5	0	0	0.307	0.024	0.143	0.016	0.005	0.005
75	3	9	6	0	0	0.220	0.017	0.110	0.012	0.008	0.006
75	3	9	7	0	0	0.379	0.126	0.000	0.000	0.000	0.000
75	3	9	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	9	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	9	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	9	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	9	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	9	13	0	0	0.238	0.022	0.152	0.018	0.013	0.009
75	3	9	14	0	0	0.250	0.025	0.139	0.019	0.000	0.000
75	3	9	15	0	0	0.241	0.020	0.121	0.013	0.005	0.005
75	3	9	16	0	0	0.250	0.018	0.120	0.013	0.011	0.006
75	3	9	17	0	0	0.225	0.017	0.117	0.012	0.011	0.006
75	3	9	18	0	0	0.253	0.019	0.113	0.012	0.008	0.006
75	3	9	19	0	0	0.238	0.018	0.117	0.013	0.008	0.006
75	3	9	20	0	0	0.270	0.019	0.121	0.013	0.007	0.005
75	3	9	21	0	0	0.282	0.019	0.105	0.012	0.011	0.006
75	3	9	22	0	0	0.244	0.018	0.104	0.011	0.011	0.006
75	3	9	23	0	0	0.247	0.019	0.131	0.014	0.004	0.004
75	3	10	0	0	0	0.213	0.017	0.102	0.012	0.008	0.005
75	3	10	1	0	0	0.222	0.017	0.116	0.012	0.015	0.008
75	3	10	2	0	0	0.244	0.018	0.136	0.013	0.007	0.005
75	3	10	3	0	0	0.247	0.018	0.141	0.013	0.015	0.007
75	3	10	4	0	0	0.251	0.018	0.114	0.012	0.004	0.004
75	3	10	5	0	0	0.295	0.019	0.124	0.012	0.007	0.005
75	3	10	6	0	0	0.282	0.020	0.113	0.012	0.012	0.007
75	3	10	7	0	0	0.230	0.026	0.098	0.017	0.008	0.008
75	3	10	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	10	9	0	0	0.361	0.066	0.168	0.042	0.031	0.031
75	3	10	10	0	0	0.274	0.054	0.067	0.024	0.000	0.000

75	3	10	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	10	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	10	13	0	0	0.262	0.022	0.121	0.015	0.006	0.006
75	3	10	14	0	0	0.246	0.019	0.108	0.012	0.008	0.006
75	3	10	15	0	0	0.231	0.021	0.111	0.012	0.016	0.008
75	3	10	16	0	0	0.233	0.021	0.110	0.013	0.018	0.009
75	3	10	17	0	0	0.265	0.020	0.129	0.013	0.008	0.006
75	3	10	18	0	0	0.229	0.018	0.116	0.012	0.023	0.009
75	3	10	19	0	0	0.251	0.019	0.137	0.014	0.012	0.007
75	3	10	20	0	0	0.245	0.021	0.132	0.016	0.005	0.005
75	3	10	21	0	0	0.277	0.019	0.128	0.013	0.012	0.007
75	3	10	22	0	0	0.247	0.018	0.120	0.013	0.015	0.008
75	3	10	23	0	0	0.220	0.022	0.120	0.016	0.012	0.009
75	3	11	0	0	0	0.247	0.019	0.107	0.012	0.023	0.009
75	3	11	1	0	0	0.225	0.017	0.131	0.013	0.019	0.008
75	3	11	2	0	0	0.235	0.018	0.122	0.013	0.016	0.008
75	3	11	3	0	0	0.258	0.022	0.101	0.014	0.011	0.008
75	3	11	4	0	0	0.264	0.018	0.130	0.013	0.011	0.006
75	3	11	5	0	0	0.271	0.022	0.121	0.014	0.030	0.012
75	3	11	6	0	0	0.261	0.019	0.155	0.015	0.013	0.007
75	3	11	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	13	0	0	0.238	0.018	0.116	0.013	0.013	0.007
75	3	11	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	20	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	11	23	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	12	0	0	0	0.271	0.019	0.108	0.012	0.004	0.004
75	3	12	1	0	0	0.263	0.018	0.126	0.013	0.007	0.005
75	3	12	2	0	0	0.246	0.018	0.120	0.012	0.015	0.007
75	3	12	3	0	0	0.282	0.019	0.134	0.013	0.011	0.006
75	3	12	4	0	0	0.233	0.018	0.124	0.013	0.012	0.007
75	3	12	5	0	0	0.239	0.017	0.111	0.012	0.007	0.005
75	3	12	6	0	0	0.295	0.026	0.090	0.015	0.013	0.009
75	3	12	7	0	0	0.189	0.109	0.000	-15.000	0.000	-15.000
75	3	12	8	0	0	0.261	0.021	0.128	0.015	0.027	0.011
75	3	12	9	0	0	0.238	0.030	0.093	0.016	0.000	0.000
75	3	12	10	0	0	0.219	0.027	0.119	0.017	0.008	0.008
75	3	12	11	0	0	0.253	0.027	0.110	0.015	0.000	0.000
75	3	12	12	0	0	0.302	0.033	0.126	0.018	0.000	0.000
75	3	12	13	0	0	0.264	0.025	0.100	0.016	0.026	0.013
75	3	12	14	0	0	0.241	0.019	0.113	0.012	0.025	0.010
75	3	12	15	0	0	0.305	0.022	0.116	0.012	0.000	0.000
75	3	12	16	0	0	0.215	0.018	0.130	0.013	0.004	0.004
75	3	12	17	0	0	0.265	0.019	0.117	0.012	0.012	0.007
75	3	12	18	0	0	0.263	0.020	0.114	0.013	0.012	0.007
75	3	12	19	0	0	0.273	0.019	0.096	0.011	0.004	0.004

75	3	12	20	0	0	0.297	0.041	0.105	0.024	0.031	0.022
75	3	12	21	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	12	22	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	12	23	0	0	0.295	0.079	0.063	0.045	0.000	0.000
75	3	13	0	0	0	0.179	0.024	0.142	0.021	0.021	0.015
75	3	13	1	0	0	0.214	0.017	0.117	0.012	0.020	0.009
75	3	13	2	0	0	0.259	0.018	0.128	0.013	0.015	0.008
75	3	13	3	0	0	0.239	0.022	0.109	0.015	0.006	0.006
75	3	13	4	0	0	0.283	0.023	0.123	0.015	0.005	0.005
75	3	13	5	0	0	0.235	0.018	0.119	0.013	0.008	0.006
75	3	13	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	7	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	8	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	13	0	0	0.244	0.023	0.130	0.017	0.013	0.009
75	3	13	14	0	0	0.262	0.036	0.113	0.023	0.000	0.000
75	3	13	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	13	20	0	0	0.271	0.020	0.125	0.014	0.013	0.008
75	3	13	21	0	0	0.255	0.019	0.121	0.012	0.008	0.005
75	3	13	22	0	0	0.209	0.029	0.126	0.022	0.000	0.000
75	3	13	23	0	0	0.247	0.019	0.134	0.014	0.022	0.010
75	3	14	0	0	0	0.245	0.020	0.093	0.012	0.015	0.008
75	3	14	1	0	0	0.215	0.037	0.095	0.024	0.019	0.019
75	3	14	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	3	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	4	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	5	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	7	0	0	0.216	0.031	0.126	0.024	0.026	0.019
75	3	14	8	0	0	0.275	0.040	0.116	0.025	0.000	0.000
75	3	14	9	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	11	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	14	13	0	0	0.222	0.024	0.126	0.018	0.023	0.013
75	3	14	14	0	0	0.253	0.020	0.113	0.013	0.004	0.004
75	3	14	15	0	0	0.231	0.019	0.143	0.015	0.013	0.008
75	3	14	16	0	0	0.290	0.020	0.098	0.012	0.008	0.006
75	3	14	17	0	0	0.235	0.018	0.116	0.012	0.012	0.007
75	3	14	18	0	0	0.272	0.026	0.126	0.017	0.000	0.000
75	3	14	19	0	0	0.220	0.018	0.116	0.012	0.019	0.008
75	3	14	20	0	0	0.239	0.018	0.097	0.011	0.027	0.010
75	3	14	21	0	0	0.247	0.018	0.152	0.014	0.008	0.006
75	3	14	22	0	0	0.244	0.020	0.101	0.013	0.014	0.008
75	3	14	23	0	0	0.234	0.027	0.123	0.020	0.000	0.000
75	3	15	0	0	0	0.246	0.018	0.109	0.012	0.012	0.007
75	3	15	1	0	0	0.231	0.017	0.110	0.012	0.012	0.007
75	3	15	2	0	0	0.244	0.022	0.139	0.017	0.012	0.009
75	3	15	3	0	0	0.264	0.018	0.101	0.011	0.011	0.006
75	3	15	4	0	0	0.232	0.017	0.133	0.013	0.004	0.004

75	3	15	5	0	0	0.267	0.020	0.095	0.012	0.023	0.010
75	3	15	6	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	15	7	0	0	0.207	0.040	0.163	0.029	0.015	0.015
75	3	15	8	0	0	0.228	0.027	0.096	0.013	0.010	0.007
75	3	15	9	0	0	0.257	0.034	0.145	0.024	0.028	0.016
75	3	15	10	0	0	0.233	0.026	0.103	0.013	0.005	0.005
75	3	15	11	0	0	0.271	0.029	0.113	0.014	0.000	0.000
75	3	15	12	0	0	0.250	0.026	0.104	0.014	0.009	0.006
75	3	15	13	0	0	0.249	0.030	0.106	0.019	0.019	0.013
75	3	15	14	0	0	0.242	0.018	0.113	0.012	0.004	0.004
75	3	15	15	0	0	0.250	0.019	0.113	0.012	0.008	0.006
75	3	15	16	0	0	0.243	0.018	0.104	0.012	0.012	0.007
75	3	15	17	0	0	0.241	0.020	0.096	0.012	0.009	0.007
75	3	15	18	0	0	0.260	0.018	0.107	0.012	0.007	0.005
75	3	15	19	0	0	0.272	0.019	0.120	0.012	0.008	0.005
75	3	15	20	0	0	0.284	0.019	0.118	0.012	0.019	0.008
75	3	15	21	0	0	0.278	0.019	0.121	0.013	0.020	0.009
75	3	15	22	0	0	0.261	0.019	0.133	0.014	0.004	0.004
75	3	15	23	0	0	0.228	0.023	0.070	0.013	0.021	0.012
75	3	16	0	0	0	0.222	0.017	0.117	0.012	0.008	0.005
75	3	16	1	0	0	0.280	0.019	0.112	0.012	0.000	0.000
75	3	16	2	0	0	0.231	0.017	0.125	0.013	0.026	0.010
75	3	16	3	0	0	0.239	0.017	0.119	0.012	0.022	0.009
75	3	16	4	0	0	0.263	0.018	0.110	0.012	0.011	0.006
75	3	16	5	0	0	0.273	0.019	0.109	0.012	0.022	0.009
75	3	16	6	0	0	0.256	0.028	0.118	0.018	0.013	0.009
75	3	16	7	0	0	0.259	0.020	0.110	0.013	0.013	0.008
75	3	16	8	0	0	0.202	0.021	0.117	0.017	0.006	0.006
75	3	16	9	0	0	0.249	0.028	0.092	0.012	0.011	0.008
75	3	16	10	0	0	0.268	0.026	0.113	0.014	0.013	0.008
75	3	16	11	0	0	0.267	0.043	0.110	0.024	0.012	0.012
75	3	16	12	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	16	13	0	0	0.205	0.033	0.126	0.026	0.015	0.015
75	3	16	14	0	0	0.270	0.019	0.133	0.013	0.012	0.007
75	3	16	15	0	0	0.256	0.018	0.095	0.011	0.015	0.007
75	3	16	16	0	0	0.234	0.017	0.119	0.012	0.015	0.007
75	3	16	17	0	0	0.229	0.018	0.109	0.013	0.004	0.004
75	3	16	18	0	0	0.250	0.025	0.102	0.016	0.043	0.017
75	3	16	19	0	0	0.271	0.019	0.101	0.011	0.015	0.007
75	3	16	20	0	0	0.256	0.018	0.120	0.012	0.015	0.007
75	3	16	21	0	0	0.261	0.018	0.110	0.012	0.007	0.005
75	3	16	22	0	0	0.247	0.018	0.092	0.011	0.004	0.004
75	3	16	23	0	0	0.276	0.021	0.110	0.013	0.009	0.007
75	3	17	0	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	17	1	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	17	2	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	17	3	0	0	0.239	0.018	0.140	0.014	0.008	0.006
75	3	17	4	0	0	0.255	0.018	0.101	0.011	0.007	0.005
75	3	17	5	0	0	0.250	0.027	0.100	0.017	0.000	0.000
75	3	17	6	0	0	0.300	0.069	0.142	0.047	0.000	0.000
75	3	17	7	0	0	0.267	0.036	0.105	0.016	0.031	0.015
75	3	17	8	0	0	0.253	0.031	0.103	0.016	0.012	0.009
75	3	17	9	0	0	0.164	0.026	0.104	0.016	0.012	0.009
75	3	17	10	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
75	3	17	11	0	0	0.274	0.034	0.140	0.025	0.013	0.013
75	3	17	12	0	0	0.219	0.018	0.107	0.013	0.009	0.006
75	3	17	13	0	0	0.213	0.016	0.117	0.012	0.015	0.007

BRIEF DESCRIPTION
Energetic Electron and Proton Detector
(Principal Investigator: Keppler)

HELIOS-A and -B spacecrafts were the pair of deep space probes developed by the Federal Republic of Germany (FRG) in a cooperative program with NASA. The purpose of the mission was to make pioneering measurements of the interplanetary medium from the vicinity of the earth's orbit to 0.3 AU.

The objective of the experiment (E8) was to study the origin and the distribution mechanism of low-energy electrons and protons. The instrument, a magnetic spectrometer, consisted of six semiconductor detectors with the field of view in the plane of the ecliptic. Species separation was achieved by an inhomogeneous magnetic field oriented perpendicular to the particle path. Four electron and two proton detectors measured electrons from 20 to 1000 keV and protons from 80 to 1000 keV. The proton measurements were made with a two-detector telescope employing coincidence and anticoincidence logic. Both particle species were measured in 16 energy channels through pulse-height analysis. For further information see pp. 261-263 of Raumfahrtforschung, v.19, n. 5, 1975.

The h-a-ep*.dat and h-b-ep*.dat files contains hourly averaged electron and proton data written in ASCII-codes.

Each named file contains data blocks of fixed length (4440 bytes) and one blank line. Each item within one data block has a length of 4 bytes. Each contains a count of the number of hourly intervals in the record. Electron as well as proton averages pertain to 16 sectors in the ecliptic plane, with sector 1 pointing to the sun. For each sector, the electron data pertain to 15 energy channels, spanning the total range of 17-835 keV, plus a channel that counts electrons of energy greater than 835 keV. Likewise, for protons, 15 channels cover the total range of 21-677 keV; the 16-th channel counts protons of E>677 keV.

For h-a-ep*.dat files:
Time Coverage: 1974/12/10 - 1980/12/31

For h-b-ep*.dat files:
Time Coverage: 1976/01/15 - 1980/03/08

The 1110 items are described in the following table:

Item	Type	Description
1	Integer	((YEAR - 1974) * 366 + DOY) * 24 + HOUR
2	Integer	YEAR (begin of time interval)
3	Integer	DOY (begin of time interval)
4	Integer	HOUR (begin of time interval)
5	Integer	MINUTE (begin of time interval)
6	Integer	Length of time interval in minutes (60)
7	Real	Importante for tape generation, only
8	Real	sequence number of the source tape
9	Real	reel number of the source tape
10	Real	0 - Helios A, 1 - Helios B
11	Real	1 - E8 mode A, 0 - E8 mode B
12-14	Real	not defined
15	Real	rate, F - data channel 1, sector 1, electrons
16	Real	corresponding measuring time <= 3600/256 sec
17-46	Real	is repetitions of 15-16 for energy channels 2-16, sector 1
47-526	Real	is repetitions 0f 15-526 for the sectors 2-16

527-1038	Real	same as 15-526 for protons
1039-1040	Real	rate, measuring time <= 3600/32 sec for R-electrons, sector 1
1041-1070	Real	is repetitions of 1039-1040 for the sectors 2-16
1071-1102	Real	same as 1041-1070 for protons
1103-1104	Real	W4 (rate, measuring time <= 3600sec)
1105-1106	Real	W23 (rate, measuring time <= 3600sec)
1107-1108	Real	W24 (rate, measuring time <= 3600sec)
1109-1110	Real	W44 (rate, measuring time <= 3600sec)
	blank line	

Note: Negative rates indicate missing or invalid data.

File: AAREADME.TXT Version: NSSDC 11/15/2001 JFC

This directory group includes interplanetary data from the Helios 2 spacecraft, which was launched in 1976 to provide measurements of the interplanetary medium in the inner solar system at 0.3 - 1 AU near the Ecliptic. See file HELIOS2_NMC for a brief description of the Helios 2 spacecraft and mission from the NSSDC Master Catalog.

Directory	Description
MAG	Hourly averaged interplanetary magnetic field data from triaxial fluxgate magnetometer experiments of Ness et al. and Neubauer et al. The Neubauer et al. data are also part of the merged data set in the MGD_FREEMAN directory. The Ness et al. data were provided more recently by F. Mariani of Italy.
PLASMA	Hourly solar wind plasma data from experiment of Rosenbauer et al. These data are also part of the merged data sets in the MGD_FREEMAN and MERGED directories.
TRAJ	Hourly heliocentric coordinates of the spacecraft as also included in the MGD_FREEMAN directory.
MGD_FREEMAN	Merged hourly data for interplanetary solar wind and spacecraft heliocentric coordinates as compiled for NSSDC by Prof. John W. Freeman of Rice University. The data are in a VMS binary file which must be retrieved from another site. See file HE2MER_FMT.
MERGED	Merged hourly data for interplanetary solar wind and spacecraft position as compiled for the NSSDC Heliospheric Data CD-ROM and converted to heliographic/RTN coordinates. This data set includes the Ness et al. magnetometer data, in addition to reformatted plasma and spacecraft position data from the original merged data set in MGD_FREEMAN.

Related Information and Data:

Further details on the spacecraft, experiment, data sets at NSSDC, and related WWW sites can be found on the Helios 1/2 flight project page:

http://nssdc.gsfc.nasa.gov/space/

Hour averages of the interplanetary solar wind data from, and hourly heliocentric coordinates of, Helios 1/2 and other interplanetary spacecraft may be also be accessed and plotted on-line through the COHOWeb service based at the same WWW site as above.

Acknowledgement:

Use of these data in publications should be accompanied at minimum by acknowledgements of the National Space Science Data Center and the responsible Principal Investigator defined in the experiment documentation provided here.

NSSDC Master Catalog Display
Spacecraft

Helios-B

NSSDC ID: 76-003A

Other Name(s)

* Helios 2
* 08582

Launch Date/Time: 1976-01-15 at 05:34:00 UTC
On-orbit dry mass: 371.20 kg

Description

This spacecraft was one of a pair of deep-space probes developed by the Federal Republic of Germany (FRG) in a cooperative program with NASA. Experiments were provided by scientists from both FRG and the U.S. NASA supplied the Titan/Centaur launch vehicle. The spacecraft was equipped with two booms and a 32-m electric dipole. The payload consisted of a fluxgate magnetometer; electric and magnetic wave experiments, which covered various bands in the frequency range 6 Hz to 3 MHz; charged particle experiments, which covered various energy ranges starting with solar wind thermal energies and extending to 1 GeV; a zodiacal light experiment; and a micrometeoroid experiment. The purpose of the mission was to make pioneering measurements of the interplanetary medium from the vicinity of the earth's orbit to 0.3 AU. The spacecraft was spin stabilized with the spin axis normal to the ecliptic, and a nominal spin rate of 1 rps. The outer surface was coated with a conductive material, resulting in a plasma-sheath potential of typically 5 eV. Sheath-related coupling caused by the spacecraft antennae produced interference with the wave experiments, but the character of the interference was different from that observed on the Helios-A spacecraft. The spacecraft was capable of being operated at bit rates of from 4096 to 8 bps, variable by factors of two. While the spacecraft was moving to perihelion, it was generally operated from 64 to 256 bps; near 0.3 AU, it was operated at higher bit rates. Because of difficulty encountered with the high-gain antenna, and scheduling conflicts with Viking, relatively fewer high-bit-rate data were obtained from Helios-B than were available from Helios-A. Instrument descriptions written by the experiments are published (some in German, some in English) in the journal Raumfahrtforschung, v. 19, n. 5, 1975.

Discipline(s)

Astronomy
Planetary Science
Solar Physics
Space Physics

Sponsoring Agencies/Countries

Bundesministerium fuer Wissenschaftliche Forschung/Federal Republic of Germany
NASA-Office of Space Science Applications/United States

NSSDC Master Catalog Display
Spacecraft Launch/Orbital Information

Helios-B

NSSDC ID: 76-003A

Launch Information

Launch Date/Time: 1976-01-15 at 05:34:00 UTC
Launch Site/Country: Cape Canaveral, United States
Launch Vehicle: Titan IIIE-Centaur

Orbital Information

Orbit: Orbiter
Central Body: Sun

Epoch start date/time: 1976.203:00:00:00 (21 July)

Orbital Period: 185.60 d
Eccentricity: 0.54560
Periapsis: 0.29 AU Apoapsis: 0.98 AU

NSSDC Master Catalog Display
Spacecraft Personnel

Helios-B

NSSDC ID: 76-003A

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Last Updated: 1996-02-06
Output Generated: 1996-09-21
Programming by: E. V. Bell, II

BULLETIN !!!

Six-second interplanetary magnetic field data files from the Ness et al. magnetometer on Helios 2 have been uploaded from the NSSDC tape archive to directory helios2/mag/6sec_ness. These data in ASCII format and daily files cover various discontinuous intervals from 1974/017 through 1980/068.

04/11/2002 JFC

BULLETIN !!!

This Helios 2 update file has been extracted from the old aaupdate.doc file at the VMS anonymous FTP site for all COHO-related datasets. Directory names for current Helios 1/2 data sets have been changed for new locations at this new site. Note that all directory and file names at this site are actually in lower case, even though they are given below in upper case.

2/24/99 JFC

BULLETIN !!!

The HE1MAG and HE2MAG files for Helios 1/2 magnetometer data have been renamed to avoid confusion between files from the Ness and Neubauer magnetometers, for which the new file prefixes are HE1MGA* and HE2MGB*, respectively. These files are located at directory HELIOSn/MAG for n = 1 & 2.

6/20/97 JFC

BULLETIN !!!

Archived data from the Fluxgate Magnetometer for Average Fields (P.I.: N. F. Ness, Univ. of Delaware) experiments on Helios 1 and 2 have been received from F. Mariani of the Istituto di Fisica G. Marconi in Rome, Italy. These include hourly averaged ASCII data covering 1974-12-14 to 1981-06-14 for Helios 1 and 1976-01-17 to 1980-03-08 for Helios 2. These data sets are located within the HELIOS1/MAG and HELIOS2/MAG directories. Note that COHO directory reorganization is still in progress.

9/26/96 JFC

BULLETIN !!!

VAX versions of Helios 1 and 2 binary data sets in the NSSDC off-line tape archive for merged field and plasma data at hourly resolution have been copied into COHO subdirectories HELIOS1/MGD_FREEMAN and HELIOS2/MGD_FREEMAN, respectively. A sample FORTRAN read program for writing selected parameters to ASCII files is also included. This program was used previously to write the key parameter files now in subdirectories HELIOS1/TRAJ, HELIOS2/TRAJ, HELIOS1/MAG, HELIOS2/MAG, HELIOS1/PLASMA, and HELIOS2/PLASMA. The binary data files contain all parameters included in the original Helios data sets submitted to NSSDC and merged together by J. Freeman of Rice University. {warning: these VMS binary files cannot be maintained at the new UNIX site but can be found on the old VAX/VMS site at anonymous@nssdca.gsfc.nasa.gov/coho/helios1/plasma/mgd_freeman and .../coho/helios2/... , or via the Anonymous FTP (VMS) link at http://nssdc.gsfc.nasa.gov/space/ }

5/12/95 JFC

BULLETIN !!!

Before this date the solar ecliptic coordinates for Helios 1 and Helios 2 in directories HELIOS1/TRAJ and HELIOS2/TRAJ have been found to be incorrect. Although the heliographic coordinates supplied with the original Helios datasets from NSSDC were correct, the solar ecliptic coordinates were not in these datasets and had to be calculated. These latter coordinates have now been recalculated and are correct. Thanks to Walter Koehnlein (Inst. for Planetary Exploration, German Aerospace Establishment, Berlin, Germany) for discovering this error in the COHO data.

06/14/94 JFC

BULLETIN !!!

Although many users need heliographic spacecraft coordinates with latitudes calculated with respect to the solar equator, some may not want Carrington longitudes which are in a system fixed to the rotating Sun. Inertial longitudes are defined with respect to the ascending node of the solar equator on the Ecliptic; this node was at solar ecliptic longitude +74.367 degrees as of 1 Jan. 1900 at 1200 UT and its longitude increases by 1.4 degrees per century due to precession of the equinoxes in the solar ecliptic system.

Heliographic inertial longitudes have been added to the trajectory data files in COHO for all missions except Helios 1/2 and Pioneer Venus Orbiter; these latter missions will be done later.

JFC/11-16-93

Postnote: Solar ecliptic angles and heliographic inertial longitude have been added to the Helios 1 and 2 trajectory files.

JFC/11-30-93

BULLETIN !!

The proton flow angles in the Helios 1/2 plasma data directories are incorrect and are being recopied from the source dataset. Do not use the previously provided flow angles for data analysis, since these fields actually contained standard deviations of other parameters.

JFC/03-19-93

Postnote: The Helios 1/2 proton flow angles have been corrected.

JFC/03-26-93

BULLETIN !!

There has been some confusion about the usage of the term "solar ecliptic" coordinates to describe the vector components of the Helios 1 and 2 magnetic fields in the data format files HE1MAG.FMT and HE2MAG.FMT in subdirectories HELIOS1/MAG and HELIOS2/MAG, respectively. We have checked the dataset documentation and confirmed that the correct terminology should be Spacecraft-centered Solar Ecliptic (SSE) coordinates, which are analogous to the Geocentric Solar Ecliptic (GSE) coordinates used for IMP-8 magnetic field components in the OMNI data base. The format files have been revised accordingly.

J. F. Cooper 02/05/93

BULLETIN !!

Helios 1/2 magnetic field, plasma, and trajectory data for launch through 1980 are now available in the HELIOS1 and HELIOS2 directories.

J. F. Cooper 10/20/92

BULLETIN !!

Merged ephemeris, magnetic field, and solar wind plasma data are being ingested into COHO from the Helios 1/2 archive tape. The heliocentric spacecraft coordinates are now in HELIOS1/TRAJ and HELIOS2/TRAJ for Helios 1 and 2, resp. The field and plasma data are coming soon.

J. F. Cooper 9/28/92

BRIEF DESCRIPTION
Galactic and Solar Cosmic Rays
(Principal Investigator: Trainor)

HELIOS-A and -B spacecrafts were the pair of deep space probes developed by the Federal Republic of Germany (FRG) in a cooperative program with NASA. The purpose of the mission was to make pioneering measurments of the interplanetary medium from the vicinity of the earth's orbit to 0.3 AU.

The detector complement of this experiment (E7) consisted of three separate dE/dx vs E telescopes and a proportional counter for monitoring solar X rays in the range 2-8 keV. The high-energy telescope had a geometric factor of 0.22 sq cm-sr and measured electrons in three ranges between 2 and 8 MeV, and protons and alpha particles in three ranges between 20 and 56 MeV/n. Protons above 230 MeV were also measured. The first low-energy telescope (geometric factor was 0.155 sq cm-sr) measured protons and Z>1 particles in three ranges between 3 and 21 MeV/n. The second low-energy telescope (geometric factor was 0.015 sq cm-sr) measured protons in several ranges between 0.12 and 2.1 MeV, alpha particles in the ranges 0.6-2.1 and 6-21.2 MeV/n, and electrons in four ranges between 0.12 and 2 MeV. For a number of coincidence modes, counting-rate data sectored into eight 45-deg sectors were obtained. The data cycle time was dependent on the spacecraft telemetry rate (variable between 4096 and 8 bits/s) and format. Under optimum conditions, five events per second were pulse-height analyzed and the rate data cycle was of the order of 5 min. At the slowest combination of bit rate and format, a complete data cycle required about 2.5 h. See IEEE Trans. on Nuc. Sci., NS-22, p. 570, 1975, and Raumfahrtforschung, v. 19, n. 5, pp. 258-260, 1975, for further details.

The h-a-pf.dat and h-b-pf.dat files contains hourly averaged proton flux data written in ASCII-codes.

The fixed length data records each contain one hour worth of data. Each item contains a count of the number of hourly intervals in the record; time in year,month, day of month, h, m and s; values of proton fluxes in energy bins from 3.3 to 21.6 MeV, 21.6 to 57.0 MeV, and above 57.0 MeV; and ststistical errors associated with the fluxes.

For h-a-pf.dat file:
Time Coverage: 1974/12/15 - 1984/02/12

For h-b-pf.dat file:
Time Coverage: 1976/01/18 - 1980/03/07

Format Description:

WORD	ASCII	MEANING	UNITS/COMMENTS
1	I2	YEAR	(e.g., 74,75,76,...)
2	I3	MONTH	(e.g., January = 1, February=2, ...)
3	I3	DAY	(e.g., 1,2....31)
4	I3	HOUR	(0,1,...23)
5	I3	MINUTE	0
6	I3	SECOND	0
7	F13.3	CHANNEL 1	Values of proton flux in energy bin from 3.3 to 21.6 MeV.
8	F10.3	ERROR 1	Statistical error associated with the flux in Channel 1
9	F10.3	CHANNEL 2	Values of proton flux in energy bin from 21.6 to 57.0 MeV.
10	F10.3	ERROR 2	Statistical error associated with the flux in Channel 2
11	F10.3	CHANNEL 3	Values of proton flux in energy range above 57.0 MeV.
12	F10.3	ERROR 3	Statistical error associated with the flux in Channel 3

Note: 1. Negative rates indicate missing or invalid data.
2. for CHANNEL 1: geometry factor is 0.15 sq cm sr
for CHANNEL 2: geometry factor is 0.27 sq cm sr
for CHANNEL 3: geometry factor is 0.44 sq cm sr

76	1	27	12	0	0	0.263	0.023	0.104	0.013	0.016	0.009
76	1	27	13	0	0	0.278	0.019	0.125	0.012	0.004	0.004
76	1	27	14	0	0	0.276	0.019	0.108	0.012	0.008	0.005
76	1	27	15	0	0	0.244	0.018	0.094	0.011	0.011	0.006
76	1	27	16	0	0	0.224	0.030	0.114	0.022	0.037	0.021
76	1	27	17	0	0	0.204	0.035	0.123	0.021	0.000	0.000
76	1	27	18	0	0	0.288	0.022	0.105	0.013	0.005	0.005
76	1	27	19	0	0	0.278	0.019	0.103	0.011	0.011	0.006
76	1	27	20	0	0	0.265	0.019	0.102	0.012	0.028	0.011
76	1	27	21	0	0	0.303	0.021	0.110	0.012	0.011	0.006
76	1	27	22	0	0	0.285	0.021	0.116	0.012	0.023	0.009
76	1	27	23	0	0	0.273	0.020	0.135	0.013	0.019	0.008
76	1	28	0	0	0	0.285	0.020	0.126	0.013	0.008	0.005
76	1	28	1	0	0	0.292	0.020	0.129	0.013	0.007	0.005
76	1	28	2	0	0	0.295	0.021	0.103	0.012	0.004	0.004
76	1	28	3	0	0	0.263	0.020	0.088	0.011	0.000	0.000
76	1	28	4	0	0	0.292	0.021	0.103	0.011	0.011	0.006
76	1	28	5	0	0	0.233	0.020	0.108	0.013	0.009	0.006
76	1	28	6	0	0	0.242	0.019	0.092	0.011	0.015	0.007
76	1	28	7	0	0	0.304	0.021	0.130	0.013	0.011	0.006
76	1	28	8	0	0	0.279	0.021	0.117	0.013	0.000	0.000
76	1	28	9	0	0	0.301	0.024	0.108	0.013	0.014	0.008
76	1	28	10	0	0	0.316	0.022	0.114	0.013	0.008	0.006
76	1	28	11	0	0	0.244	0.019	0.077	0.010	0.004	0.004
76	1	28	12	0	0	0.242	0.030	0.130	0.022	0.000	0.000
76	1	28	13	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
76	1	28	14	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
76	1	28	15	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
76	1	28	16	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
76	1	28	17	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
76	1	28	18	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
76	1	28	19	0	0	0.000	-15.000	0.000	-15.000	0.000	-15.000
76	1	28	20	0	0	0.253	0.073	0.042	0.030	0.000	0.000
76	1	28	21	0	0	0.282	0.021	0.129	0.013	0.012	0.007
76	1	28	22	0	0	0.282	0.020	0.105	0.012	0.011	0.007
76	1	28	23	0	0	0.300	0.021	0.116	0.012	0.007	0.005
76	1	29	0	0	0	0.276	0.021	0.093	0.011	0.012	0.007
76	1	29	1	0	0	0.294	0.022	0.118	0.013	0.004	0.004
76	1	29	2	0	0	0.286	0.022	0.108	0.013	0.014	0.008
76	1	29	3	0	0	0.247	0.019	0.104	0.012	0.012	0.007
76	1	29	4	0	0	0.263	0.018	0.111	0.012	0.022	0.009
76	1	29	5	0	0	0.307	0.020	0.127	0.013	0.018	0.008
76	1	29	6	0	0	0.287	0.019	0.098	0.011	0.007	0.005
76	1	29	7	0	0	0.267	0.020	0.119	0.013	0.013	0.007
76	1	29	8	0	0	0.295	0.021	0.121	0.012	0.011	0.006
76	1	29	9	0	0	0.283	0.021	0.122	0.012	0.015	0.007
76	1	29	10	0	0	0.280	0.020	0.083	0.010	0.011	0.006
76	1	29	11	0	0	0.254	0.022	0.129	0.014	0.021	0.010
76	1	29	12	0	0	0.274	0.020	0.129	0.013	0.012	0.007
76	1	29	13	0	0	0.266	0.020	0.119	0.012	0.019	0.008
76	1	29	14	0	0	0.286	0.021	0.108	0.012	0.019	0.009
76	1	29	15	0	0	0.250	0.019	0.119	0.012	0.007	0.005
76	1	29	16	0	0	0.273	0.021	0.109	0.013	0.009	0.006
76	1	29	17	0	0	0.307	0.021	0.112	0.012	0.015	0.007
76	1	29	18	0	0	0.292	0.021	0.106	0.012	0.011	0.006
76	1	29	19	0	0	0.305	0.021	0.130	0.013	0.015	0.007
76	1	29	20	0	0	0.268	0.021	0.124	0.014	0.013	0.007

```
   14.605     2.606    14.605 )
                                [50 50 50 50 50 50 50 50 50 50 50 50 50 50 50 50
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(%%[Page: 3880]%%) =
%%PageTrailer

%%Trailer
%%DocumentNeededResources:
%%+ font Courier
%%DocumentSuppliedResources:
%%+ procset Pscript_WinNT_ErrorHandler 5.0 0
%%+ procset Pscript_FatalError 5.0 0
%%+ procset Pscript_Win_Basic 5.0 0
%%+ procset Pscript_Win_Utils_L2 5.0 0
%%+ procset Pscript_Text 5.0 0
%%+ procset Pscript_Encoding256 5.0 0
%%+ procset Pscript_Win_Euro_L2 5.0 0
Pscript_WinNT_Incr dup /terminate get exec
ehsave restore
(%%[LastPage]%%) =
%%EOF
```

BRIEF DESCRIPTION
Energetic Electron and Proton Detector
(Principal Investigator: Keppler)

HELIOS-A and -B spacecrafts were the pair of deep space probes developed by the Federal Republic of Germany (FRG) in a cooperative program with NASA. The purpose of the mission was to make pioneering measurements of the interplanetary medium from the vicinity of the earth's orbit to 0.3 AU.

The objective of the experiment (E8) was to study the origin and the distribution mechanism of low-energy electrons and protons. The instrument, a magnetic spectrometer, consisted of six semiconductor detectors with the field of view in the plane of the ecliptic. Species separation was achieved by an inhomogeneous magnetic field oriented perpendicular to the particle path. Four electron and two proton detectors measured electrons from 20 to 1000 keV and protons from 80 to 1000 keV. The proton measurements were made with a two-detector telescope employing coincidence and anticoincidence logic. Both particle species were measured in 16 energy channels through pulse-height analysis. For further information see pp. 261-263 of Raumfahrtforschung, v.19, n. 5, 1975.

The h-a-ep*.dat and h-b-ep*.dat files contains hourly averaged electron and proton data written in ASCII-codes.

Each named file contains data blocks of fixed length (4440 bytes) and one blank line. Each item within one data block has a length of 4 bytes. Each contains a count of the number of hourly intervals in the record. Electron as well as proton averages pertain to 16 sectors in the ecliptic plane, with sector 1 pointing to the sun. For each sector, the electron data pertain to 15 energy channels, spanning the total range of 17-835 keV, plus a channel that counts electrons of energy greater than 835 keV. Likewise, for protons, 15 channels cover the total range of 21-677 keV; the 16-th channel counts protons of E>677 keV.

For h-a-ep*.dat files:
Time Coverage: 1974/12/10 - 1980/12/31

For h-b-ep*.dat files:
Time Coverage: 1976/01/15 - 1980/03/08

The 1110 items are described in the following table:

Item	Type	Description
1	Integer	((YEAR - 1974) * 366 + DOY) * 24 + HOUR
2	Integer	YEAR (begin of time interval)
3	Integer	DOY (begin of time interval)
4	Integer	HOUR (begin of time interval)
5	Integer	MINUTE (begin of time interval)
6	Integer	Length of time interval in minutes (60)
7	Real	Importante for tape generation, only
8	Real	sequence number of the source tape
9	Real	reel number of the source tape
10	Real	0 - Helios A, 1 - Helios B
11	Real	1 - E8 mode A, 0 - E8 mode B
12-14	Real	not defined
15	Real	rate, F - data channel 1, sector 1, electrons
16	Real	corresponding measuring time <= 3600/256 sec
17-46	Real	is repetitions of 15-16 for energy channels 2-16, sector 1
47-526	Real	is repetitions 0f 15-526 for the sectors 2-16

527-1038	Real	same as 15-526 for protons
1039-1040	Real	rate, measuring time <= 3600/32 sec for R-electrons, sector 1
1041-1070	Real	is repetitions of 1039-1040 for the sectors 2-16
1071-1102	Real	same as 1041-1070 for protons
1103-1104	Real	W4 (rate, measuring time <= 3600sec)
1105-1106	Real	W23 (rate, measuring time <= 3600sec)
1107-1108	Real	W24 (rate, measuring time <= 3600sec)
1109-1110	Real	W44 (rate, measuring time <= 3600sec)
	blank line	

Note: Negative rates indicate missing or invalid data.

15.218	23.830	9.595	23.830	12.784	23.830	14.462	23.830
4.557	24.575	3.302	24.575	2.977	24.575	2.326	24.575
2.651	24.575	3.302	24.575	4.557	24.575	10.279	24.575
2.977	24.575	5.860	24.575	3.628	24.575	10.604	24.575
12.720	24.575	6.511	24.575	12.069	24.575	16.602	24.575
9.384	24.575	3.302	24.575	2.326	24.575	2.326	24.575
2.651	24.575	2.326	24.575	4.557	24.575	9.872	24.575
2.977	24.575	2.326	24.575	3.302	24.575	9.872	24.575
14.592	24.575	7.813	24.575	11.499	24.575	16.928	24.575
9.058	24.575	2.651	24.575	2.651	24.575	0.000	24.575
3.302	24.575	3.953	24.575	4.557	24.575	10.686	24.575
2.651	24.575	2.651	24.575	2.977	24.575	10.442	24.575
14.511	24.575	9.384	24.575	12.232	24.575	15.569	24.575
9.302	24.575	2.977	24.575	2.326	24.575	2.326	24.575
0.000	24.575	2.326	24.575	7.162	24.575	10.686	24.575
0.000	24.575	3.628	24.575	2.977	24.575	9.709	24.575
13.046	24.575	9.546	24.575	10.279	24.575	16.602	24.575
9.872	24.575	4.557	24.575	2.651	24.575	2.326	24.575
2.326	24.575	2.977	24.575	5.860	24.575	10.035	24.575
3.302	24.575	4.557	24.575	2.651	24.575	9.872	24.575
13.697	24.575	9.058	24.575	11.337	24.575	19.695	24.575
4.029	23.830	3.343	23.830	2.336	23.830	2.336	23.830
3.343	23.830	5.371	23.830	6.043	23.830	10.182	23.830
3.343	23.830	3.679	23.830	6.043	23.830	10.686	23.830
13.287	23.830	4.700	23.830	11.693	23.830	21.653	23.830
6.043	23.830	4.029	23.830	0.000	23.830	0.000	23.830
2.336	23.830	3.007	23.830	9.091	23.830	9.595	23.830
2.671	23.830	4.029	23.830	4.700	23.830	9.595	23.830
13.036	23.830	9.007	23.830	12.280	23.830	18.296	23.830
9.511	23.830	3.343	23.830	3.679	23.830	2.336	23.830
0.000	23.830	2.671	23.830	3.679	23.830	10.350	23.830
3.343	23.830	2.671	23.830	3.679	23.830	10.350	23.830
14.127	23.830	9.175	23.830	11.861	23.830	16.618	23.830
6.511	24.576	3.628	24.576	3.628	24.576	2.651	24.576
0.000	24.576	3.953	24.576	2.651	24.576	2.651	24.576
0.000	24.576	0.000	24.576	0.000	24.576	2.326	24.576
0.000	24.576	0.000	24.576	2.326	24.576	0.000	24.576
9.221	24.576	5.208	24.576	3.953	24.576	2.977	24.576
2.326	24.576	3.628	24.576	2.326	24.576	0.000	24.576
0.000	24.576	2.326	24.576	0.000	24.576	0.000	24.576
0.000	24.576	0.000	24.576	2.326	24.576	2.326	24.576
9.546	24.576	5.208	24.576	3.628	24.576	9.058	24.576
4.557	24.576	2.977	24.576	2.326	24.576	2.326	24.576
2.326	24.576	0.000	24.576	0.000	24.576	0.000	24.576
0.000	24.576	0.000	24.576	0.000	24.576	0.000	24.576
9.139	24.576	5.208	24.576	3.302	24.576	2.651	24.576
2.977	24.576	2.651	24.576	2.326	24.576	2.651	24.576
0.000	24.576	2.651	24.576	0.000	24.576	0.000	24.576
2.651	24.576	0.000	24.576	0.000	24.576	0.000	24.576
7.813	24.576	7.162	24.576	3.953	24.576	3.302	24.576
2.326	24.576	2.977	24.576	2.326	24.576	2.651	24.576
0.000	24.576	0.000	24.576	0.000	24.576	0.000	24.576
0.000	24.576	0.000	24.576	0.000	24.576	2.977	24.576
3.343	23.831	2.671	23.831	3.007	23.831	0.000	23.831
2.671	23.831	0.000	23.831	2.336	23.831	3.007	23.831
2.336	23.831	2.671	23.831	0.000	23.831	2.336	23.831
0.000	23.831	0.000	23.831	0.000	23.831	0.000	23.831