



Frankfort Plant Board

Water
Cable
Electric
Security
Local Phone
Digital Cable
Long Distance
Community TV
Ethernet/Internet
Cable Modem/ISP
Cable Advertising

RECEIVED

SEP 16 2014

PUBLIC SERVICE
COMMISSION

September 16, 2014

Mr. Jeff Derouen, Executive Director
Kentucky Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, KY 40602-0615

RECEIVED

SEP 16 2014

PUBLIC SERVICE
COMMISSION

RE: Case No. 2014-00254

Dear Mr. Derouen:

Enclosed for filing please find an original and six (6) copies of the Supplemental Response to the Commission Staff's 1st Request for Information dated August 19, 2014.

I appreciate your assistance. If you have any questions or require additional information, please contact me at (502) 352-4541 or hprice@fewpb.com.

Sincerely,

Hance Price

Hance Price
Staff Attorney

HP/kp

Enclosures

cc: Donald T. Prather, Esq.
Raymond Edelman, Esq.
Jennifer Black Hans, Esq.
Gregory T. Dutton, Esq.

Equal Opportunity/Affirmative Action Employer

317 West Second Street (P.O. Box 308) Frankfort, Kentucky 40602 Phone (502) 352-4372
Fax (502) 223-3887 www.fpb.cc

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

RECEIVED
SEP 16 2014
PUBLIC SERVICE
COMMISSION

In the Matter of:

PROPOSED ADJUSTMENT OF THE WHOLESALE)	
WATER SERVICE RATES OF FRANKFORT)	CASE NO. 2014-00254
ELECTRIC AND WATER PLANT BOARD)	

**FEWPB'S SUPPLEMENTAL RESPONSE TO COMMISSION STAFF'S
FIRST REQUEST FOR INFORMATION TO
FRANKFORT ELECTRIC AND WATER PLANT BOARD**

16. Refer to Frankfort Plant Board's responses to the July 23, 2014 Order, Item 22, Cost of Service Allocation Study, Schedule C at 9.

a. Confirm that Frankfort Plant Board is allocating distribution mains 10-inch or smaller to the wholesale customers.

b. In prior rate case proceedings, the Commission has expressed concerns regarding expenses associated with distribution mains 10-inch or smaller being allocated to the wholesale customers. Explain why Frankfort Plant Board is proposing to allocate a portion of the costs of its distribution mains that are 10-inch or smaller to wholesale customers.

c. Provide a hydraulic analysis of Frankfort Plant Board's distribution system that supports allocating a portion of the cost of the distribution mains that are 10-inch or smaller to wholesale customers.

Witness(es): Paul Herbert, Connie Heppenstall, David Billings

Response: Attached

CERTIFICATION

I, Hance Price, certify that I am the attorney supervising the preparation of these Responses on behalf of the Frankfort Electric and Water Plant Board and that the Responses and attachments thereto are true and accurate to the best of my knowledge, information and belief formed after reasonable inquiry.

Respectfully Submitted,

Hance Price

Hance Price
317 West Second Street
Frankfort, Kentucky 40601

Attorney for Frankfort Electric and
Water Plant Board

This the 16th day of September, 2014.

CERTIFICATE OF SERVICE

I, Hance Price, certify that on the 16th day of September, 2014 an original and six (6) copies of FEWPB's Supplemental Response to the Commission Staff's First Request for Information dated August 19, 2014 was served by hand delivery to:

Mr. Jeff Derouen, Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602-0615

Counsel further certifies that true and accurate copies of the Supplemental Response were served by mail to:

Kentucky Attorney General's Office
Hon. Jennifer Black Hans
Hon. Gregory T. Dutton
Assistant Attorneys General
1024 Capital Center Drive
Suite 200
Frankfort, KY 40601

Hon. Donald T. Prather
500 Main Street, Suite 5
Shelbyville, KY 40065

Hon. Raymond Edelman
148 South Main Street
Lawrenceburg, KY 40342

Hance Price
Hance Price

Frankfort Electric and Water Plant Board
Supplemental Responses to Commission Staff's First Request for
Information dated August 19, 2014
Case No. 2014-00254

ITEM 16: Refer to Frankfort Plant Board's responses to the July 23, 2014 Order, Item 22, Cost of Service Allocation Study, Schedule C at 9.

- a. Confirm that Frankfort Plant Board is allocating distribution mains 10-inch or smaller to the wholesale customers.
- b. In prior rate case proceedings, the Commission has expressed concerns regarding expenses associated with distribution mains 10-inch or smaller being allocated to the wholesale customers. Explain why Frankfort Plant Board is proposing to allocate a portion of the costs of its distribution mains that are 10-inch or smaller to wholesale customers.
- c. Provide a hydraulic analysis of Frankfort Plant Board's distribution system that supports allocating a portion of the cost of the distribution mains that are 10-inch or smaller to wholesale customers.

Response: c. See attachment which indicates a comparison of the miles of lines utilized by FPB to serve its wholesale customers for the years 2010 and 2014 and a hydraulic analysis. The analysis shows no material change from the last study and confirms the use of the entire system to serve the wholesale class.

SUPPLEMENTAL RESPONSE TO
COMMISSION STAFF'S FIRST REQUEST
FOR INFORMATION DATED AUGUST 19,
2014

PSC CASE NO. 2014-00254

ITEM 16

9/15/2014

Miles of Lines Used by the Plant Board to Serve its wholesale Customers		
Water Main Size	2010 Rate Case	2014 Rate Case
48"	0.60	0.55
42"	0.10	0.10
36"	1.05	1.05
30"	0.64	0.64
24"	7.74	7.74
20"	9.03	9.03
18"	N/A	0.03
16"	10.54	7.37
14"	2.84	2.84
12"	31.07	33.86
10"	1.18	0.91
8"	39.98	40.89
6"	60.46	61.76
4"	3.88	1.85
3"	N/A	N/A
2 1/4"	N/A	N/A
2"	N/A	N/A
1.50"	N/A	N/A
1.25"	N/A	N/A
1"	N/A	N/A
3/4"	N/A	N/A

SIMULATION DESCRIPTION (LABEL)

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

PIPE NAME	NODE NUMBERS #1 #2		FLOWRATE (gpm)	HEAD LOSS (ft)	MINOR LOSS (ft)	LINE VELO. (ft/s)	HL+ML/ 1000 (ft/ft)	HL/ 1000 (ft/ft)
P-1	J-891	J-924	0.00	0.00	0.00	0.00	0.00	0.00
P-1000	J-808	J-805	0.00	0.00	0.00	0.00	0.00	0.00
P-1001	J-811	J-808	243.78	0.02	0.00	0.69	0.30	0.30
P-1003	J-815	J-1762	55.13	0.01	0.00	0.16	0.01	0.01
P-1005	J-1293	J-811	188.65	0.03	0.00	0.54	0.13	0.13
P-1007	J-110	J-812	53.72	0.00	0.00	0.15	0.01	0.01
P-1008	J-812	J-815	55.13	0.01	0.00	0.16	0.01	0.01
P-1010	J-823	J-814	35.84	0.00	0.00	0.10	0.01	0.01
P-1011	J-814	J-821	0.00	0.00	0.00	0.00	0.00	0.00
P-1012	J-816	J-817	0.00	0.00	0.00	0.00	0.00	0.00
P-1013	J-816	J-818	0.00	0.00	0.00	0.00	0.00	0.00
P-1014	J-818	J-819	0.00	0.00	0.00	0.00	0.00	0.00
P-1015	J-818	J-820	0.00	0.00	0.00	0.00	0.00	0.00
P-1016	J-821	J-816	0.00	0.00	0.00	0.00	0.00	0.00
P-1017	J-821	J-822	0.00	0.00	0.00	0.00	0.00	0.00
P-1018	J-833	J-823	32.58	0.00	0.00	0.09	0.01	0.01
P-1019	J-825	J-823	3.26	0.00	0.00	0.04	0.00	0.00
P-1020	J-825	J-824	0.00	0.00	0.00	0.00	0.00	0.00
P-1021	J-831	J-825	3.26	0.00	0.00	0.04	0.00	0.00
P-1022	J-837	J-826	13.48	0.00	0.00	0.04	0.00	0.00
P-1023	J-826	J-827	1.85	0.00	0.00	0.02	0.00	0.00
P-1024	J-828	J-827	0.10	0.00	0.00	0.00	0.00	0.00
P-1025	J-826	J-828	19.13	0.00	0.00	0.05	0.00	0.00
P-1026	J-827	J-829	1.96	0.00	0.00	0.02	0.00	0.00
P-1027	J-830	J-829	0.94	0.00	0.00	0.01	0.00	0.00
P-1028	J-828	J-830	19.02	0.00	0.00	0.05	0.00	0.00
P-1029	J-829	J-831	2.90	0.00	0.00	0.03	0.00	0.00
P-1030	J-832	J-831	0.36	0.00	0.00	0.00	0.00	0.00
P-1031	J-830	J-832	23.72	0.00	0.00	0.07	0.00	0.00
P-1032	J-834	J-830	5.64	0.00	0.00	0.06	0.01	0.01
P-1033	J-832	J-833	23.36	0.00	0.00	0.07	0.00	0.00
P-1034	J-838	J-834	1.46	0.00	0.00	0.02	0.00	0.00
P-1035	J-835	J-834	4.18	0.00	0.00	0.05	0.00	0.00
P-1036	J-835	J-826	7.50	0.00	0.00	0.09	0.01	0.01
P-1037	J-836	J-835	11.68	0.01	0.00	0.13	0.03	0.03
P-1038	J-837	J-1045	0.00	0.00	0.00	0.00	0.00	0.00
P-1039	J-836	J-837	13.48	0.01	0.00	0.15	0.04	0.04
P-1040	J-839	J-836	25.16	0.02	0.00	0.29	0.13	0.13
P-1041	J-838	J-833	9.22	0.01	0.00	0.10	0.02	0.02
P-1042	J-839	J-838	10.68	0.03	0.00	0.12	0.03	0.03
P-1043	J-2032	J-839	35.84	0.45	0.00	0.41	0.25	0.25
P-1044	J-841	J-840	41.66	1.18	0.00	0.47	0.33	0.33
P-1045	J-845	J-840	57.73	0.02	0.00	0.15	0.01	0.01
P-1046	J-843	J-845	0.00	0.00	0.00	0.00	0.00	0.00
P-1047	J-851	J-845	57.73	0.00	0.00	0.15	0.01	0.01
P-1048	J-842	J-844	0.00	0.00	0.00	0.00	0.00	0.00
P-1049	J-852	J-842	228.73	0.32	0.00	0.60	0.16	0.16
P-1050	J-846	J-847	0.00	0.00	0.00	0.00	0.00	0.00
P-1051	J-847	J-848	82.30	0.11	0.00	0.48	0.16	0.16
P-1052	J-848	J-849	0.00	0.00	0.00	0.00	0.00	0.00
P-1053	J-848	J-851	82.30	0.18	0.00	0.48	0.16	0.16
P-1054	J-851	J-850	24.57	0.00	0.00	0.06	0.00	0.00
P-1055	J-850	J-842	24.57	0.00	0.00	0.06	0.00	0.00
P-1056	J-850	J-853	0.00	0.00	0.00	0.00	0.00	0.00

P-1057	J-852	J-847	82.30	0.02	0.00	0.22	0.02	0.02
P-1058	J-854	J-852	311.04	0.17	0.00	0.82	0.28	0.28
P-1059	J-854	J-915	3267.02	3.07	0.00	2.15	0.75	0.75
P-1060	J-842	J-855	253.31	2.33	0.00	1.58	2.20	2.20
P-1061	J-855	J-856	163.62	0.10	0.00	1.02	0.98	0.98
P-1062	J-855	J-858	89.68	0.08	0.00	0.52	0.19	0.19
P-1063	J-858	J-859	89.68	0.49	0.00	1.02	1.39	1.39
P-1064	J-859	J-857	0.00	0.00	0.00	0.00	0.00	0.00
P-1065	J-859	J-1915	89.68	0.57	0.00	1.02	1.39	1.39
P-1067	J-861	J-813	100.37	0.37	0.00	0.58	0.24	0.24
P-1068	J-808	J-863	243.78	0.17	0.00	0.69	0.22	0.22
P-1069	J-862	J-863	63.25	0.01	0.00	0.72	0.39	0.39
P-1070	J-865	J-862	63.25	0.66	0.00	0.72	0.39	0.39
P-1071	J-864	J-812	1.41	0.00	0.00	0.00	0.00	0.00
P-1072	J-864	J-866	0.00	0.00	0.00	0.00	0.00	0.00
P-1116	J-904	J-1788	444.16	0.16	0.00	0.42	0.05	0.05
P-1126	I-Pump-Mil	J-2048	0.00	0.00	0.00	0.00	0.00	0.00
P-1127	J-915	J-776	3267.62	1.42	0.00	2.15	0.75	0.75
P-1128	J-915	J-918	0.00	0.00	0.00	0.00	0.00	0.00
P-1129	J-918	J-917	0.00	0.00	0.00	0.00	0.00	0.00
P-1130	J-918	J-919	0.00	0.00	0.00	0.00	0.00	0.00
P-1131	J-919	J-1397	0.00	0.00	0.00	0.00	0.00	0.00
P-1132	J-917	J-920	0.00	0.00	0.00	0.00	0.00	0.00
P-1133	J-920	J-921	0.00	0.00	0.00	0.00	0.00	0.00
P-1134	J-921	I-RV-2	0.00	0.00	0.00	0.00	0.00	0.00
P-1135	O-RV-2	J-891	0.00	0.00	0.00	0.00	0.00	0.00
P-1137	J-924	J-810	0.00	0.00	0.00	0.00	0.00	0.00
P-1138	J-926	J-841	41.66	2.98	0.00	1.03	1.19	1.19
P-1139	J-926	J-854	3578.66	3.65	0.00	2.35	0.89	0.89
P-1142	J-928	J-927	0.00	0.00	0.00	0.00	0.00	0.00
P-1143	J-929	J-928	0.00	0.00	0.00	0.00	0.00	0.00
P-1144	J-929	J-934	0.00	0.00	0.00	0.00	0.00	0.00
P-1145	J-931	J-930	0.00	0.00	0.00	0.00	0.00	0.00
P-1146	J-931	J-933	0.00	0.00	0.00	0.00	0.00	0.00
P-1147	J-933	J-932	0.00	0.00	0.00	0.00	0.00	0.00
P-1148	J-933	J-935	0.00	0.00	0.00	0.00	0.00	0.00
P-1149	J-935	J-936	0.00	0.00	0.00	0.00	0.00	0.00
P-1150	J-934	J-931	0.00	0.00	0.00	0.00	0.00	0.00
P-1151	J-934	J-936	0.00	0.00	0.00	0.00	0.00	0.00
P-1152	J-936	J-929	0.00	0.00	0.00	0.00	0.00	0.00
P-1153	J-937	J-939	0.00	0.00	0.00	0.00	0.00	0.00
P-1154	J-939	J-935	0.00	0.00	0.00	0.00	0.00	0.00
P-1155	J-938	J-939	0.00	0.00	0.00	0.00	0.00	0.00
P-1156	J-938	J-940	0.00	0.00	0.00	0.00	0.00	0.00
P-1157	J-941	J-938	0.00	0.00	0.00	0.00	0.00	0.00
P-1158	J-941	J-943	0.00	0.00	0.00	0.00	0.00	0.00
P-1159	J-942	J-941	0.00	0.00	0.00	0.00	0.00	0.00
P-1160	J-942	J-944	0.00	0.00	0.00	0.00	0.00	0.00
P-1161	J-945	J-942	0.00	0.00	0.00	0.00	0.00	0.00
P-1162	J-945	J-947	0.00	0.00	0.00	0.00	0.00	0.00
P-1164	J-946	J-1790	444.16	0.05	0.00	0.42	0.05	0.05
P-1166	J-112	J-907	10.07	0.00	0.00	0.03	0.00	0.00
P-1167	J-951	J-273	0.00	0.00	0.00	0.00	0.00	0.00
P-1168	J-953	J-952	0.00	0.00	0.00	0.00	0.00	0.00
P-1169	J-953	J-1792	0.00	0.00	0.00	0.00	0.00	0.00
P-1170	J-955	J-957	0.00	0.00	0.00	0.00	0.00	0.00
P-1171	J-954	J-1786	0.04	0.00	0.00	0.00	0.00	0.00
P-1172	J-957	J-1782	0.00	0.00	0.00	0.00	0.00	0.00
P-1173	J-957	J-954	0.04	0.00	0.00	0.00	0.00	0.00
P-1174	J-956	J-960	360.11	0.08	0.00	0.53	0.09	0.09
P-1175	J-956	J-958	4.34	0.00	0.00	0.11	0.02	0.02
P-1176	J-956	J-958	4.34	0.00	0.00	0.11	0.02	0.02
P-1177	J-958	J-959	10.20	0.07	0.00	0.25	0.09	0.09
P-1178	J-960	J-984	371.71	0.18	0.00	0.59	0.16	0.16
P-1179	J-958	J-1012	8.59	0.04	0.00	0.21	0.06	0.06
P-1180	J-959	J-960	11.61	0.00	0.00	0.29	0.11	0.11
P-1181	J-961	J-1928	444.16	0.14	0.00	0.71	0.22	0.22
P-1182	J-963	J-961	57.83	0.02	0.00	0.36	0.14	0.14
P-1183	J-962	J-963	37.16	0.03	0.00	0.23	0.06	0.06
P-1184	J-1858	J-962	25.80	0.03	0.00	0.16	0.03	0.03
P-1185	J-962	J-964	0.00	0.00	0.00	0.00	0.00	0.00
P-1186	J-970	J-962	11.36	0.01	0.00	0.13	0.03	0.03
P-1187	J-966	J-963	20.67	0.06	0.00	0.13	0.02	0.02

P-1188	J-966	J-965	11.36	0.01	0.00	0.13	0.03	0.03
P-1189	J-965	J-967	0.00	0.00	0.00	0.00	0.00	0.00
P-119	J-1810	J-1809	3670.32	0.01	0.00	2.41	0.93	0.93
P-1190	J-965	J-968	11.36	0.01	0.00	0.13	0.03	0.03
P-1191	J-968	J-969	0.00	0.00	0.00	0.00	0.00	0.00
P-1192	J-968	J-970	11.36	0.01	0.00	0.13	0.03	0.03
P-1193	J-970	J-971	0.00	0.00	0.00	0.00	0.00	0.00
P-1194	J-972	J-973	65.27	0.04	0.00	0.38	0.11	0.11
P-1195	J-973	J-975	65.27	0.14	0.00	0.41	0.18	0.18
P-1196	J-973	J-976	0.00	0.00	0.00	0.00	0.00	0.00
P-1197	J-975	J-974	65.27	0.14	0.00	0.41	0.18	0.18
P-1198	J-975	J-977	0.00	0.00	0.00	0.00	0.00	0.00
P-1199	J-974	J-1858	57.83	0.03	0.00	0.34	0.09	0.09
P-1200	J-974	J-979	7.44	0.00	0.00	0.05	0.00	0.00
P-1201	J-979	J-982	5.33	0.00	0.00	0.03	0.00	0.00
P-1202	J-979	J-982	2.11	0.00	0.00	0.01	0.00	0.00
P-1203	J-982	J-980	7.44	0.00	0.00	0.05	0.00	0.00
P-1204	J-954	J-1781	0.00	0.00	0.00	0.00	0.00	0.00
P-1205	J-980	J-981	7.44	0.00	0.00	0.02	0.00	0.00
P-1206	J-981	J-961	386.33	0.12	0.00	0.61	0.17	0.17
P-1207	J-984	J-981	378.89	0.04	0.00	0.60	0.17	0.17
P-1208	J-985	J-984	7.18	0.00	0.00	0.02	0.00	0.00
P-1209	J-992	J-985	7.18	0.00	0.00	0.08	0.01	0.01
P-1210	J-985	J-987	0.00	0.00	0.00	0.00	0.00	0.00
P-1211	J-988	J-986	7.18	0.18	0.00	0.29	0.16	0.16
P-1212	J-986	J-989	0.00	0.00	0.00	0.00	0.00	0.00
P-1213	J-988	J-959	1.41	0.00	0.00	0.03	0.00	0.00
P-1214	J-990	J-992	0.00	0.00	0.00	0.00	0.00	0.00
P-1215	J-986	J-992	7.18	0.00	0.00	0.08	0.01	0.01
P-1216	J-987	J-996	0.00	0.00	0.00	0.00	0.00	0.00
P-1217	J-993	J-987	0.00	0.00	0.00	0.00	0.00	0.00
P-1218	J-995	J-993	0.00	0.00	0.00	0.00	0.00	0.00
P-122	J-776	J-110	497.88	0.05	0.00	0.33	0.02	0.02
P-1220	J-996	J-1001	0.00	0.00	0.00	0.00	0.00	0.00
P-1221	J-996	J-1003	0.00	0.00	0.00	0.00	0.00	0.00
P-1222	J-997	J-998	0.00	0.00	0.00	0.00	0.00	0.00
P-1223	J-997	J-999	0.00	0.00	0.00	0.00	0.00	0.00
P-1224	J-999	J-1000	0.00	0.00	0.00	0.00	0.00	0.00
P-1225	J-1001	J-991	0.00	0.00	0.00	0.00	0.00	0.00
P-1226	J-1001	J-1000	0.00	0.00	0.00	0.00	0.00	0.00
P-1227	J-1000	J-1003	0.00	0.00	0.00	0.00	0.00	0.00
P-1228	J-1003	J-1006	0.00	0.00	0.00	0.00	0.00	0.00
P-1229	J-999	J-1002	0.00	0.00	0.00	0.00	0.00	0.00
P-1230	J-1004	J-997	0.00	0.00	0.00	0.00	0.00	0.00
P-1231	J-1004	J-1002	0.00	0.00	0.00	0.00	0.00	0.00
P-1232	J-1002	J-1011	0.00	0.00	0.00	0.00	0.00	0.00
P-1233	J-1006	J-1007	0.00	0.00	0.00	0.00	0.00	0.00
P-1234	J-1005	J-1004	0.00	0.00	0.00	0.00	0.00	0.00
P-1235	J-1005	J-1010	0.00	0.00	0.00	0.00	0.00	0.00
P-1236	J-1007	J-1009	0.00	0.00	0.00	0.00	0.00	0.00
P-1237	J-1008	J-1007	0.00	0.00	0.00	0.00	0.00	0.00
P-1238	J-1009	J-1005	0.00	0.00	0.00	0.00	0.00	0.00
P-1239	J-1010	J-1008	0.00	0.00	0.00	0.00	0.00	0.00
P-1240	J-1009	J-1010	0.00	0.00	0.00	0.00	0.00	0.00
P-1241	J-1011	J-1006	0.00	0.00	0.00	0.00	0.00	0.00
P-1242	J-1010	J-1011	0.00	0.00	0.00	0.00	0.00	0.00
P-1243	J-1012	J-988	8.59	0.03	0.00	0.21	0.06	0.06
P-1244	J-1012	J-1014	0.00	0.00	0.00	0.00	0.00	0.00
P-1245	J-1013	J-945	0.00	0.00	0.00	0.00	0.00	0.00
P-1246	J-1013	J-1016	0.00	0.00	0.00	0.00	0.00	0.00
P-1247	J-1015	J-1013	0.00	0.00	0.00	0.00	0.00	0.00
P-1248	J-1015	J-1018	0.00	0.00	0.00	0.00	0.00	0.00
P-1249	J-1922	J-1017	29.13	0.01	0.00	0.08	0.01	0.01
P-125	J-110	J-904	444.16	0.02	0.00	0.42	0.05	0.05
P-1250	J-1017	J-1019	0.00	0.00	0.00	0.00	0.00	0.00
P-1251	J-1019	J-1020	0.00	0.00	0.00	0.00	0.00	0.00
P-1252	J-1019	J-1022	0.00	0.00	0.00	0.00	0.00	0.00
P-1253	J-1017	J-1021	29.13	0.00	0.00	0.08	0.01	0.01
P-1254	J-1021	J-1023	0.00	0.00	0.00	0.00	0.00	0.00
P-1255	J-1023	J-1024	0.00	0.00	0.00	0.00	0.00	0.00
P-1256	J-1927	J-1026	0.00	0.00	0.00	0.00	0.00	0.00
P-1257	J-1025	J-1924	373.73	0.03	0.00	0.35	0.03	0.03
P-1258	J-1026	J-1027	0.00	0.00	0.00	0.00	0.00	0.00

P-1259	J-780	J-1028	142.12	0.07	0.00	0.40	0.11	0.11
P-1260	J-1028	J-1029	0.00	0.00	0.00	0.00	0.00	0.00
P-1261	J-1031	J-775	0.00	0.00	0.00	0.00	0.00	0.00
P-1262	J-1307	J-1030	10.66	0.00	0.00	0.12	0.03	0.03
P-1263	J-1030	J-1032	12.38	0.00	0.00	0.14	0.04	0.04
P-1264	J-1032	J-1033	0.00	0.00	0.00	0.00	0.00	0.00
P-1265	J-1032	J-1752	12.38	0.01	0.00	0.13	0.02	0.02
P-1266	J-1073	J-1034	14.07	0.03	0.00	0.16	0.04	0.04
P-1267	J-1035	J-1034	12.38	0.00	0.00	0.14	0.04	0.04
P-1268	J-1035	J-1036	0.00	0.00	0.00	0.00	0.00	0.00
P-1269	J-1037	J-777	0.00	0.00	0.00	0.00	0.00	0.00
P-1270	J-1037	J-1039	0.00	0.00	0.00	0.00	0.00	0.00
P-1271	J-779	J-1038	142.12	0.05	0.00	0.40	0.11	0.11
P-1272	J-1038	J-1041	0.00	0.00	0.00	0.00	0.00	0.00
P-1273	J-1038	J-1040	142.12	0.07	0.00	0.40	0.11	0.11
P-1274	J-1040	J-1042	0.00	0.00	0.00	0.00	0.00	0.00
P-1275	J-1040	J-1043	142.12	0.03	0.00	0.40	0.11	0.11
P-1276	J-1043	J-1044	0.00	0.00	0.00	0.00	0.00	0.00
P-1277	J-1045	J-1050	0.00	0.00	0.00	0.00	0.00	0.00
P-1278	J-484	J-1045	0.00	0.00	0.00	0.00	0.00	0.00
P-1279	J-773	J-1046	0.00	0.00	0.00	0.00	0.00	0.00
P-1280	J-1048	J-773	0.00	0.00	0.00	0.00	0.00	0.00
P-1281	J-1048	J-1052	0.00	0.00	0.00	0.00	0.00	0.00
P-1282	J-1050	J-1048	0.00	0.00	0.00	0.00	0.00	0.00
P-1283	J-1049	J-183	404.62	0.02	0.00	0.64	0.19	0.19
P-1284	J-1051	J-1050	0.00	0.00	0.00	0.00	0.00	0.00
P-1285	J-1051	J-1053	0.00	0.00	0.00	0.00	0.00	0.00
P-1286	J-1052	J-1051	0.00	0.00	0.00	0.00	0.00	0.00
P-1287	J-1053	J-1052	0.00	0.00	0.00	0.00	0.00	0.00
P-1288	J-1053	J-1054	0.00	0.00	0.00	0.00	0.00	0.00
P-1289	J-1045	J-1055	0.00	0.00	0.00	0.00	0.00	0.00
P-1290	J-1055	J-1058	0.00	0.00	0.00	0.00	0.00	0.00
P-1291	J-1056	J-1055	0.00	0.00	0.00	0.00	0.00	0.00
P-1292	J-1056	J-2008	0.00	0.00	0.00	0.00	0.00	0.00
P-1293	J-1058	J-1056	0.00	0.00	0.00	0.00	0.00	0.00
P-1294	J-1057	J-1058	0.00	0.00	0.00	0.00	0.00	0.00
P-1295	J-1057	J-1059	0.00	0.00	0.00	0.00	0.00	0.00
P-1296	J-1060	J-1108	0.00	0.00	0.00	0.00	0.00	0.00
P-1297	J-1389	J-1061	29.95	0.06	0.00	0.31	0.10	0.10
P-1298	J-1062	J-1061	95.23	0.84	0.00	0.99	0.88	0.88
P-1299	J-1387	J-1064	35.77	0.04	0.00	0.22	0.06	0.06
P-1301	J-1065	J-1082	0.00	0.00	0.00	0.00	0.00	0.00
P-1302	J-1070	J-1065	23.19	0.14	0.00	0.26	0.11	0.11
P-1303	J-1301	J-1068	26.45	0.64	0.00	0.69	1.22	1.22
P-1304	J-1068	J-1069	18.85	0.34	0.00	0.49	0.65	0.65
P-1305	J-1070	J-1747	43.94	0.36	0.00	0.50	0.37	0.37
P-1307	J-1068	J-1070	7.59	0.01	0.00	0.09	0.01	0.01
P-1308	J-1074	J-1070	59.53	0.27	0.00	0.62	0.37	0.37
P-1309	J-1329	J-1074	0.00	0.00	0.00	0.00	0.00	0.00
P-1310	J-1076	J-1074	59.53	0.03	0.00	0.68	0.65	0.65
P-1311	J-1122	J-1120	77.88	0.78	0.00	0.81	0.61	0.61
P-1312	J-1302	J-771	62.29	0.02	0.00	0.16	0.01	0.01
P-1313	J-1926	J-1076	97.53	0.69	0.00	1.11	1.62	1.62
P-1314	J-1076	J-1309	38.00	0.12	0.00	0.43	0.28	0.28
P-1315	J-1078	J-1079	0.00	0.00	0.00	0.00	0.00	0.00
P-1316	J-1078	J-1080	18.61	0.08	0.00	0.21	0.08	0.08
P-1317	J-1323	J-1081	1153.43	0.30	0.00	1.71	0.79	0.79
P-1318	J-1328	J-1080	26.48	0.06	0.00	0.27	0.08	0.08
P-1319	J-1080	J-1083	45.09	0.22	0.00	0.51	0.39	0.39
P-1320	J-1065	J-1083	23.19	0.04	0.00	0.26	0.11	0.11
P-1321	J-1082	J-1066	0.00	0.00	0.00	0.00	0.00	0.00
P-1322	J-1082	J-1085	0.00	0.00	0.00	0.00	0.00	0.00
P-1323	J-1101	J-1071	56.27	0.13	0.00	0.35	0.14	0.14
P-1324	J-1084	J-1071	62.79	0.31	0.00	0.71	0.72	0.72
P-1325	J-1084	J-1087	0.00	0.00	0.00	0.00	0.00	0.00
P-1326	J-1086	J-1094	62.79	0.17	0.00	0.71	0.72	0.72
P-1327	J-1086	J-1089	0.00	0.00	0.00	0.00	0.00	0.00
P-1328	J-1088	J-1086	62.79	0.07	0.00	0.71	0.72	0.72
P-1329	J-1088	J-1090	0.00	0.00	0.00	0.00	0.00	0.00
P-1330	J-1091	J-1088	62.79	0.23	0.00	0.71	0.72	0.72
P-1331	J-1091	J-1092	0.00	0.00	0.00	0.00	0.00	0.00
P-1332	J-1093	J-1091	62.79	0.23	0.00	0.71	0.72	0.72
P-1333	J-1095	J-1093	21.10	0.17	0.00	0.24	0.10	0.10

P-1334	J-1095	J-1093	41.69	0.17	0.00	0.47	0.34	0.34
P-1335	J-1094	J-1084	62.79	0.06	0.00	0.71	0.72	0.72
P-1336	J-1094	J-1097	0.00	0.00	0.00	0.00	0.00	0.00
P-1337	J-1336	J-1096	104.04	0.34	0.00	0.65	0.42	0.42
P-1338	J-1096	J-1099	0.00	0.00	0.00	0.00	0.00	0.00
P-1339	J-1099	J-1098	0.00	0.00	0.00	0.00	0.00	0.00
P-1340	J-1099	J-1100	0.00	0.00	0.00	0.00	0.00	0.00
P-1341	J-1100	J-1099	0.00	0.00	0.00	0.00	0.00	0.00
P-1342	J-1100	J-1102	0.00	0.00	0.00	0.00	0.00	0.00
P-1343	J-1096	J-1101	104.04	0.14	0.00	0.65	0.42	0.42
P-1344	J-1101	J-1103	47.77	0.05	0.00	0.54	0.43	0.43
P-1345	J-1340	J-1104	693.00	0.34	0.00	1.10	0.51	0.51
P-1346	J-1105	J-1104	31.20	0.20	0.00	0.35	0.20	0.20
P-1347	J-1103	J-1344	43.75	0.13	0.00	0.50	0.37	0.37
P-1348	J-1103	J-1107	4.02	0.00	0.00	0.05	0.00	0.00
P-1349	J-1106	J-1345	47.77	0.16	0.00	0.54	0.43	0.43
P-1350	J-1350	J-1106	4.02	0.00	0.00	0.05	0.00	0.00
P-1351	J-1071	J-1108	119.07	0.21	0.00	0.74	0.54	0.54
P-1352	J-1108	J-1122	119.07	0.47	0.00	1.35	2.34	2.34
P-1353	J-1123	J-1111	692.01	0.14	0.00	1.10	0.51	0.51
P-1354	J-1111	J-1110	4.26	0.00	0.00	0.05	0.00	0.00
P-1355	J-1110	J-1112	45.44	0.20	0.00	0.52	0.39	0.39
P-1356	J-1112	J-1121	32.46	0.15	0.00	0.37	0.21	0.21
P-1357	J-1112	J-1113	12.98	0.02	0.00	0.15	0.04	0.04
P-1358	J-1114	J-1113	7.81	0.01	0.00	0.09	0.02	0.02
P-1359	J-1120	J-1114	22.12	0.13	0.00	0.25	0.10	0.10
P-1360	J-1114	J-1115	14.32	0.05	0.00	0.16	0.05	0.05
P-1361	J-1115	J-1117	47.00	0.47	0.00	0.53	0.42	0.42
P-1362	J-1111	J-1116	687.75	0.81	0.00	1.09	0.50	0.50
P-1363	J-1117	J-1116	123.33	0.07	0.00	1.40	2.50	2.50
P-1364	J-1118	J-1117	76.33	0.34	0.00	0.87	1.03	1.03
P-1365	J-1119	J-1118	43.87	0.08	0.00	0.50	0.37	0.37
P-1366	J-1113	J-1119	20.79	0.09	0.00	0.24	0.09	0.09
P-1367	J-1115	J-1119	23.08	0.05	0.00	0.26	0.11	0.11
P-1368	J-1120	J-1115	55.76	0.17	0.00	0.63	0.57	0.57
P-1370	J-1122	J-1110	41.18	0.68	0.00	0.47	0.33	0.33
P-1371	J-1121	J-1118	32.46	0.03	0.00	0.37	0.21	0.21
P-1372	J-1121	J-1124	0.00	0.00	0.00	0.00	0.00	0.00
P-1373	J-1124	J-1399	0.00	0.00	0.00	0.00	0.00	0.00
P-1374	J-1124	J-1125	0.00	0.00	0.00	0.00	0.00	0.00
P-1375	J-1104	J-1123	771.97	0.56	0.00	1.23	0.63	0.63
P-1376	J-1123	J-2000	79.96	0.26	0.00	0.50	0.26	0.26
P-1377	J-1126	J-1127	0.00	0.00	0.00	0.00	0.00	0.00
P-1378	J-1134	J-1126	26.50	0.02	0.00	0.30	0.14	0.14
P-1379	J-1129	J-1363	53.46	0.05	0.00	0.33	0.12	0.12
P-1380	J-1129	J-1131	6.18	0.00	0.00	0.04	0.00	0.00
P-1383	J-1131	J-1140	6.18	0.00	0.00	0.07	0.01	0.01
P-1384	J-1134	J-1128	0.00	0.00	0.00	0.00	0.00	0.00
P-1385	J-1132	J-1134	26.50	0.01	0.00	0.30	0.14	0.14
P-1386	J-1132	J-1141	0.00	0.00	0.00	0.00	0.00	0.00
P-1387	J-1136	J-1135	0.00	0.00	0.00	0.00	0.00	0.00
P-1388	J-1136	J-1137	0.00	0.00	0.00	0.00	0.00	0.00
P-1389	J-1138	J-1132	26.50	0.11	0.00	0.30	0.14	0.14
P-1390	J-1138	J-674	0.00	0.00	0.00	0.00	0.00	0.00
P-1391	J-1140	J-1138	26.50	0.11	0.00	0.30	0.14	0.14
P-1392	J-1142	J-1140	20.32	0.29	0.00	0.23	0.09	0.09
P-1393	J-1142	J-1353	59.64	0.11	0.00	0.37	0.15	0.15
P-1394	J-1141	J-1136	0.00	0.00	0.00	0.00	0.00	0.00
P-1395	J-1141	J-1143	0.00	0.00	0.00	0.00	0.00	0.00
P-1396	J-1144	J-1172	116.87	0.15	0.00	0.73	0.52	0.52
P-1397	J-1169	J-1144	63.41	0.07	0.00	0.39	0.17	0.17
P-1398	J-1150	J-1146	75.88	0.05	0.00	0.44	0.14	0.14
P-1399	J-1154	J-1145	57.57	0.03	0.00	0.36	0.14	0.14
P-1400	J-1147	J-1156	41.08	0.16	0.00	0.47	0.33	0.33
P-1401	J-1149	J-1147	48.70	0.27	0.00	0.55	0.45	0.45
P-1402	J-1146	J-1148	35.28	0.00	0.00	0.22	0.06	0.06
P-1403	J-1145	J-1150	57.57	0.03	0.00	0.33	0.08	0.08
P-1404	J-1152	J-1150	18.31	0.03	0.00	0.21	0.07	0.07
P-1405	J-1152	J-1151	0.00	0.00	0.00	0.00	0.00	0.00
P-1406	J-1154	J-1152	18.31	0.03	0.00	0.21	0.07	0.07
P-1407	J-1197	J-1154	75.88	0.14	0.00	0.47	0.24	0.24
P-1408	J-1153	J-1148	41.08	0.08	0.00	0.43	0.19	0.19
P-1409	J-1153	J-1155	0.00	0.00	0.00	0.00	0.00	0.00

P-1410	J-1156	J-1153	41.08	0.05	0.00	0.43	0.19	0.19
P-1411	J-1146	J-1158	40.59	0.13	0.00	0.46	0.32	0.32
P-1412	J-1158	J-1157	0.00	0.00	0.00	0.00	0.00	0.00
P-1413	J-1158	J-1162	40.59	0.10	0.00	0.46	0.32	0.32
P-1414	J-1160	J-1159	0.00	0.00	0.00	0.00	0.00	0.00
P-1415	J-1160	J-1161	20.94	0.05	0.00	0.24	0.09	0.09
P-1416	J-1162	J-1160	20.94	0.02	0.00	0.24	0.09	0.09
P-1417	J-1162	J-1164	19.65	0.00	0.00	0.22	0.08	0.08
P-1418	J-1164	J-1163	0.00	0.00	0.00	0.00	0.00	0.00
P-1419	J-1164	J-1166	19.65	0.05	0.00	0.22	0.08	0.08
P-1420	J-1229	J-1165	76.36	0.06	0.00	0.48	0.24	0.24
P-1421	J-1165	J-1173	32.77	0.01	0.00	0.20	0.05	0.05
P-1422	J-1166	J-1161	32.60	0.02	0.00	0.20	0.05	0.05
P-1423	J-1161	J-1185	53.55	0.01	0.00	0.33	0.12	0.12
P-1424	J-1167	J-1168	0.00	0.00	0.00	0.00	0.00	0.00
P-1425	J-1167	J-1245	181.63	0.15	0.00	1.13	1.19	1.19
P-1426	J-1170	J-1167	181.63	0.43	0.00	1.13	1.19	1.19
P-1427	J-1170	J-1171	0.00	0.00	0.00	0.00	0.00	0.00
P-1428	J-1126	J-1172	26.50	0.06	0.00	0.30	0.14	0.14
P-1429	J-1230	J-1169	43.59	0.01	0.00	0.27	0.08	0.08
P-1430	J-1176	J-1169	19.81	0.00	0.00	0.12	0.02	0.02
P-1431	J-1173	J-1180	12.95	0.00	0.00	0.08	0.01	0.01
P-1432	J-1173	J-1174	19.81	0.04	0.00	0.22	0.08	0.08
P-1433	J-1165	J-1175	43.59	0.02	0.00	0.27	0.08	0.08
P-1434	J-1175	J-1177	0.00	0.00	0.00	0.00	0.00	0.00
P-1435	J-1174	J-1176	19.81	0.00	0.00	0.12	0.02	0.02
P-1436	J-1176	J-1179	0.00	0.00	0.00	0.00	0.00	0.00
P-1437	J-1173	J-1178	0.00	0.00	0.00	0.00	0.00	0.00
P-1438	J-1180	J-1181	12.95	0.00	0.00	0.08	0.01	0.01
P-1439	J-1180	J-1182	0.00	0.00	0.00	0.00	0.00	0.00
P-1440	J-1181	J-1166	12.95	0.00	0.00	0.08	0.01	0.01
P-1441	J-1181	J-1183	0.00	0.00	0.00	0.00	0.00	0.00
P-1442	J-1183	J-1184	0.00	0.00	0.00	0.00	0.00	0.00
P-1443	J-1183	J-1186	0.00	0.00	0.00	0.00	0.00	0.00
P-1444	J-1185	J-769	53.55	0.04	0.00	0.33	0.12	0.12
P-1445	J-1185	J-1187	0.00	0.00	0.00	0.00	0.00	0.00
P-1446	J-1187	J-1188	0.00	0.00	0.00	0.00	0.00	0.00
P-1447	J-1187	J-1189	0.00	0.00	0.00	0.00	0.00	0.00
P-1448	J-1190	J-1253	53.55	0.06	0.00	0.33	0.12	0.12
P-1449	J-1190	J-1191	0.00	0.00	0.00	0.00	0.00	0.00
P-1450	J-1192	J-1194	0.00	0.00	0.00	0.00	0.00	0.00
P-1451	J-1194	J-1193	0.00	0.00	0.00	0.00	0.00	0.00
P-1452	J-1194	J-1195	0.00	0.00	0.00	0.00	0.00	0.00
P-1453	J-1195	J-1249	0.00	0.00	0.00	0.00	0.00	0.00
P-1454	J-1200	J-1197	85.72	0.01	0.00	0.53	0.30	0.30
P-1455	J-1145	J-1196	0.00	0.00	0.00	0.00	0.00	0.00
P-1456	J-1197	J-1198	9.84	0.00	0.00	0.06	0.01	0.01
P-1457	J-1198	J-1199	0.00	0.00	0.00	0.00	0.00	0.00
P-1458	J-1216	J-1200	40.85	0.02	0.00	0.25	0.07	0.07
P-1459	J-1201	J-1200	44.87	0.25	0.00	0.51	0.38	0.38
P-1460	J-1201	J-1202	0.00	0.00	0.00	0.00	0.00	0.00
P-1461	J-1205	J-1201	44.87	0.23	0.00	0.51	0.38	0.38
P-1462	J-1204	J-1206	0.00	0.00	0.00	0.00	0.00	0.00
P-1463	J-1205	J-1204	0.00	0.00	0.00	0.00	0.00	0.00
P-1464	J-1204	J-1207	0.00	0.00	0.00	0.00	0.00	0.00
P-1465	J-1203	J-767	176.74	0.29	0.00	0.50	0.17	0.17
P-1466	J-1203	J-1208	81.92	0.25	0.00	0.51	0.27	0.27
P-1467	J-1208	J-1210	81.92	0.07	0.00	0.51	0.27	0.27
P-1468	J-1208	J-1211	0.00	0.00	0.00	0.00	0.00	0.00
P-1469	J-1210	J-1209	81.92	0.03	0.00	0.51	0.27	0.27
P-1470	J-1210	J-1213	0.00	0.00	0.00	0.00	0.00	0.00
P-1471	J-1209	J-1149	81.92	0.24	0.00	0.93	1.17	1.17
P-1472	J-1149	J-1214	33.22	0.13	0.00	0.38	0.22	0.22
P-1473	J-1214	J-1212	0.00	0.00	0.00	0.00	0.00	0.00
P-1474	J-1214	J-1216	33.22	0.14	0.00	0.38	0.22	0.22
P-1475	J-1147	J-1216	7.62	0.00	0.00	0.05	0.00	0.00
P-1476	J-1201	J-1217	0.00	0.00	0.00	0.00	0.00	0.00
P-1477	J-1222	J-1205	44.87	0.05	0.00	0.28	0.09	0.09
P-1478	J-1215	J-1224	179.39	0.06	0.00	0.51	0.17	0.17
P-1479	J-1215	J-1218	44.87	0.03	0.00	0.28	0.09	0.09
P-1480	J-1218	J-1219	0.00	0.00	0.00	0.00	0.00	0.00
P-1481	J-1219	J-1220	0.00	0.00	0.00	0.00	0.00	0.00
P-1482	J-1220	J-1221	0.00	0.00	0.00	0.00	0.00	0.00

P-1483	J-1220	J-1223	0.00	0.00	0.00	0.00	0.00	0.00
P-1484	J-1218	J-1222	44.87	0.03	0.00	0.28	0.09	0.09
P-1485	J-1222	J-1225	0.00	0.00	0.00	0.00	0.00	0.00
P-1486	J-1224	J-768	179.39	0.02	0.00	0.51	0.17	0.17
P-1487	J-1224	J-1226	0.00	0.00	0.00	0.00	0.00	0.00
P-1488	J-1267	J-765	53.88	0.12	0.00	0.61	0.54	0.54
P-1489	J-1237	J-763	258.66	0.10	0.00	0.73	0.34	0.34
P-1490	J-1132	J-1228	49.44	0.20	0.00	0.56	0.46	0.46
P-1491	J-1228	J-767	47.53	0.03	0.00	0.30	0.10	0.10
P-1492	J-1148	J-1229	76.36	0.20	0.00	0.48	0.24	0.24
P-1493	J-1229	J-1231	0.00	0.00	0.00	0.00	0.00	0.00
P-1494	J-1175	J-1230	43.59	0.03	0.00	0.27	0.08	0.08
P-1495	J-1230	J-1233	0.00	0.00	0.00	0.00	0.00	0.00
P-1496	J-1172	J-1232	143.37	0.61	0.00	0.89	0.77	0.77
P-1497	J-1232	J-1234	0.00	0.00	0.00	0.00	0.00	0.00
P-1498	J-1234	J-1365	0.00	0.00	0.00	0.00	0.00	0.00
P-1499	J-1235	J-1234	0.00	0.00	0.00	0.00	0.00	0.00
P-1500	J-1235	J-1236	0.00	0.00	0.00	0.00	0.00	0.00
P-1501	J-1237	J-1242	0.00	0.00	0.00	0.00	0.00	0.00
P-1502	J-1237	J-1239	0.00	0.00	0.00	0.00	0.00	0.00
P-1503	J-1239	J-1238	0.00	0.00	0.00	0.00	0.00	0.00
P-1504	J-1239	J-1240	0.00	0.00	0.00	0.00	0.00	0.00
P-1505	J-1241	J-1235	0.00	0.00	0.00	0.00	0.00	0.00
P-1506	J-1241	J-1243	0.00	0.00	0.00	0.00	0.00	0.00
P-1507	J-1242	J-1241	0.00	0.00	0.00	0.00	0.00	0.00
P-1508	J-1243	J-1242	0.00	0.00	0.00	0.00	0.00	0.00
P-1509	J-1243	J-1244	0.00	0.00	0.00	0.00	0.00	0.00
P-1510	J-1857	J-1245	143.37	0.38	0.00	0.89	0.77	0.77
P-1511	J-1245	J-1246	325.00	38.05	0.00	3.69	15.04	15.04
P-1512	J-1246	J-1247	325.00	1.41	0.00	3.69	15.04	15.04
P-1513	J-1246	J-1248	0.00	0.00	0.00	0.00	0.00	0.00
P-1514	J-1198	J-1249	9.84	0.01	0.00	0.06	0.01	0.01
P-1515	J-1249	J-1250	9.84	0.00	0.00	0.06	0.01	0.01
P-1516	J-1251	J-770	96.16	0.00	0.00	0.27	0.05	0.05
P-1517	J-1250	J-1252	38.58	0.00	0.00	0.24	0.07	0.07
P-1518	J-770	J-1250	28.74	0.00	0.00	0.18	0.04	0.04
P-1519	J-1251	J-1252	89.50	0.01	0.00	0.56	0.32	0.32
P-1520	J-1252	J-1253	128.08	0.67	0.00	0.80	0.62	0.62
P-1521	J-1253	J-1170	181.63	1.56	0.00	1.13	1.19	1.19
P-1522	J-770	J-1255	67.42	0.21	0.00	0.42	0.19	0.19
P-1523	J-1255	J-1825	70.49	0.04	0.00	0.44	0.21	0.21
P-1524	J-1258	J-1255	3.07	0.00	0.00	0.03	0.00	0.00
P-1525	J-1257	J-1256	24.68	0.02	0.00	0.28	0.13	0.13
P-1526	J-1257	J-1259	0.00	0.00	0.00	0.00	0.00	0.00
P-1527	J-1258	J-1257	24.68	0.08	0.00	0.28	0.13	0.13
P-1528	J-1261	J-1258	27.75	0.03	0.00	0.31	0.16	0.16
P-1529	J-1261	J-1260	0.00	0.00	0.00	0.00	0.00	0.00
P-1530	J-2108	J-1261	27.75	0.40	0.00	0.31	0.16	0.16
P-1531	J-1290	J-1262	27.75	0.06	0.00	0.31	0.16	0.16
P-1532	J-1262	J-2110	27.75	0.01	0.00	0.31	0.16	0.16
P-1533	J-1265	J-1263	0.00	0.00	0.00	0.00	0.00	0.00
P-1534	J-1286	J-1265	104.30	0.14	0.00	0.61	0.26	0.26
P-1535	J-1228	J-1267	1.92	0.00	0.00	0.02	0.00	0.00
P-1536	J-765	J-1291	27.20	0.01	0.00	0.16	0.02	0.02
P-1537	J-1284	J-1268	7.27	0.01	0.00	0.08	0.01	0.01
P-1538	J-1268	J-1266	84.40	0.05	0.00	0.96	1.24	1.24
P-1539	J-1266	J-1269	77.06	0.49	0.00	0.87	1.05	1.05
P-1540	J-1269	J-1270	64.43	0.26	0.00	0.73	0.75	0.75
P-1541	J-1270	J-1276	65.69	0.25	0.00	0.75	0.78	0.78
P-1542	J-1271	J-1270	1.25	0.00	0.00	0.01	0.00	0.00
P-1543	J-1278	J-1272	32.01	0.06	0.00	0.36	0.21	0.21
P-1544	J-1274	J-1272	4.38	0.18	0.00	0.35	0.61	0.61
P-1545	J-1269	J-1273	12.62	0.03	0.00	0.14	0.04	0.04
P-1546	J-1273	J-1274	5.63	0.22	0.00	0.45	0.98	0.98
P-1547	J-1274	J-1271	1.25	0.02	0.00	0.10	0.06	0.06
P-1548	J-1272	J-1276	19.81	0.09	0.00	0.22	0.08	0.08
P-1549	J-1641	J-1276	13.01	0.01	0.00	0.15	0.04	0.04
P-1550	J-1273	J-1275	6.99	0.01	0.00	0.08	0.01	0.01
P-1551	J-1990	J-1277	104.30	0.08	0.00	1.18	1.83	1.83
P-1552	J-1277	J-1275	98.06	0.58	0.00	1.11	1.63	1.63
P-1553	J-1275	J-1278	105.05	0.34	0.00	1.19	1.86	1.86
P-1554	J-1278	J-1280	73.04	0.05	0.00	0.45	0.22	0.22
P-1555	J-1280	J-1279	0.00	0.00	0.00	0.00	0.00	0.00

P-1556	J-1279	J-1281	0.00	0.00	0.00	0.00	0.00	0.00
P-1557	J-1279	J-1282	0.00	0.00	0.00	0.00	0.00	0.00
P-1558	J-1281	J-1283	0.00	0.00	0.00	0.00	0.00	0.00
P-1559	J-1281	J-1285	0.00	0.00	0.00	0.00	0.00	0.00
P-1560	J-1277	J-1284	6.74	0.00	0.00	0.07	0.01	0.01
P-1561	J-1991	J-1284	1.03	0.00	0.00	0.01	0.00	0.00
P-1562	J-1287	J-1268	77.13	0.04	0.00	0.45	0.15	0.15
P-1563	J-1289	J-1286	141.46	0.17	0.00	0.82	0.45	0.45
P-1564	J-1286	J-1288	37.17	0.16	0.00	0.38	0.15	0.15
P-1565	J-1288	J-1287	78.16	0.05	0.00	0.45	0.15	0.15
P-1566	J-1400	J-1289	155.26	0.19	0.00	0.90	0.53	0.53
P-1567	J-1289	J-1291	13.79	0.32	0.00	0.36	0.33	0.33
P-1568	J-1291	J-1288	40.99	0.02	0.00	0.24	0.05	0.05
P-1569	J-1266	J-1290	7.34	0.01	0.00	0.08	0.01	0.01
P-1570	J-1295	J-1290	20.41	0.10	0.00	0.23	0.09	0.09
P-1573	J-1295	J-1251	185.66	0.44	0.00	0.53	0.18	0.18
P-1574	J-1067	J-1336	0.00	0.00	0.00	0.00	0.00	0.00
P-1575	J-1314	J-1294	26.45	0.34	0.00	0.30	0.14	0.14
P-1576	J-1294	J-1298	0.00	0.00	0.00	0.00	0.00	0.00
P-1577	J-1298	J-1297	0.00	0.00	0.00	0.00	0.00	0.00
P-1578	J-1298	J-1300	0.00	0.00	0.00	0.00	0.00	0.00
P-1579	J-1299	J-1297	0.00	0.00	0.00	0.00	0.00	0.00
P-1580	J-1294	J-1301	26.45	0.56	0.00	0.69	1.22	1.22
P-1582	J-1329	J-1312	0.00	0.00	0.00	0.00	0.00	0.00
P-1583	J-1302	J-1077	0.00	0.00	0.00	0.00	0.00	0.00
P-1584	J-1306	J-1328	19.39	0.05	0.00	0.20	0.05	0.05
P-1585	J-1305	J-1078	18.61	0.03	0.00	0.21	0.08	0.08
P-1586	J-1305	J-1306	10.16	0.00	0.00	0.11	0.01	0.01
P-1587	J-1561	J-1063	30.35	0.02	0.00	0.19	0.04	0.04
P-1588	J-1310	J-1306	9.23	0.01	0.00	0.10	0.01	0.01
P-1590	J-1309	J-1305	28.77	0.03	0.00	0.33	0.17	0.17
P-1591	J-1309	J-1310	9.23	0.02	0.00	0.10	0.02	0.02
P-1592	J-1920	J-1918	0.00	0.00	0.00	0.00	0.00	0.00
P-1593	J-1073	J-1030	1.71	0.00	0.00	0.02	0.00	0.00
P-1594	J-1920	J-1304	0.00	0.00	0.00	0.00	0.00	0.00
P-1595	J-1329	J-1920	0.00	0.00	0.00	0.00	0.00	0.00
P-1597	J-1081	J-1313	63.72	0.08	0.00	0.72	0.74	0.74
P-1598	J-1314	J-1926	97.53	0.55	0.00	1.11	1.62	1.62
P-1599	J-1314	J-1315	0.00	0.00	0.00	0.00	0.00	0.00
P-1600	J-1315	J-1316	0.00	0.00	0.00	0.00	0.00	0.00
P-1601	J-1315	J-1318	0.00	0.00	0.00	0.00	0.00	0.00
P-1602	J-1317	J-1314	123.98	0.62	0.00	0.77	0.59	0.59
P-1603	J-183	J-1319	404.62	0.49	0.00	1.15	0.77	0.77
P-1604	J-1320	J-1317	123.98	0.02	0.00	0.77	0.59	0.59
P-1605	J-1317	J-1321	0.00	0.00	0.00	0.00	0.00	0.00
P-1607	J-1320	J-1322	0.00	0.00	0.00	0.00	0.00	0.00
P-1608	J-1325	J-1323	1153.43	0.01	0.00	1.71	0.79	0.79
P-1609	J-1323	J-1538	0.00	0.00	0.00	0.00	0.00	0.00
P-1610	J-1486	J-1325	1153.43	0.25	0.00	1.71	0.79	0.79
P-1611	J-1325	J-1326	0.00	0.00	0.00	0.00	0.00	0.00
P-1612	J-1326	J-1327	0.00	0.00	0.00	0.00	0.00	0.00
P-1613	J-1939	J-1073	15.79	0.00	0.00	0.04	0.00	0.00
P-1614	J-1328	J-1062	56.63	0.32	0.00	0.59	0.34	0.34
P-1617	J-1061	J-1331	125.18	0.18	0.00	0.78	0.60	0.60
P-1618	J-1331	J-1333	0.00	0.00	0.00	0.00	0.00	0.00
P-1619	J-1337	J-1067	0.00	0.00	0.00	0.00	0.00	0.00
P-1620	J-1064	J-1334	104.04	0.06	0.00	0.65	0.42	0.42
P-1621	J-1334	J-1993	0.00	0.00	0.00	0.00	0.00	0.00
P-1622	J-1334	J-1336	104.04	0.23	0.00	0.65	0.42	0.42
P-1623	J-762	J-1335	724.20	0.17	0.00	1.15	0.56	0.56
P-1624	J-1335	J-1332	0.00	0.00	0.00	0.00	0.00	0.00
P-1625	J-1335	J-1338	724.20	0.03	0.00	1.15	0.56	0.56
P-1626	J-1338	J-1339	0.00	0.00	0.00	0.00	0.00	0.00
P-1627	J-1373	J-1340	693.00	0.01	0.00	1.10	0.51	0.51
P-1628	J-1340	J-1342	0.00	0.00	0.00	0.00	0.00	0.00
P-1629	J-1342	J-1341	0.00	0.00	0.00	0.00	0.00	0.00
P-1630	J-1342	J-1343	0.00	0.00	0.00	0.00	0.00	0.00
P-1631	J-1344	J-1106	43.75	0.16	0.00	0.50	0.37	0.37
P-1632	J-1344	J-1346	0.00	0.00	0.00	0.00	0.00	0.00
P-1633	J-1345	J-1104	47.77	0.31	0.00	0.54	0.43	0.43
P-1634	J-1345	J-1347	0.00	0.00	0.00	0.00	0.00	0.00
P-1635	J-1348	J-1109	0.00	0.00	0.00	0.00	0.00	0.00
P-1636	J-1348	J-1349	0.00	0.00	0.00	0.00	0.00	0.00

P-1637	J-1350	J-1348	0.00	0.00	0.00	0.00	0.00	0.00
P-1638	J-1107	J-1350	4.02	0.28	0.00	0.32	0.52	0.52
P-1639	J-1107	J-1352	0.00	0.00	0.00	0.00	0.00	0.00
P-1640	J-1125	J-1351	0.00	0.00	0.00	0.00	0.00	0.00
P-1641	J-1353	J-1357	59.64	0.07	0.00	0.37	0.15	0.15
P-1642	J-1353	J-1355	0.00	0.00	0.00	0.00	0.00	0.00
P-1643	J-1355	J-1354	0.00	0.00	0.00	0.00	0.00	0.00
P-1644	J-1355	J-1356	0.00	0.00	0.00	0.00	0.00	0.00
P-1645	J-1357	J-1358	59.64	0.05	0.00	0.37	0.15	0.15
P-1646	J-1357	J-1359	0.00	0.00	0.00	0.00	0.00	0.00
P-1647	J-1358	J-1129	59.64	0.05	0.00	0.37	0.15	0.15
P-1648	J-1358	J-1360	0.00	0.00	0.00	0.00	0.00	0.00
P-1649	J-1361	J-1139	0.00	0.00	0.00	0.00	0.00	0.00
P-1651	J-1363	J-1144	53.46	0.12	0.00	0.33	0.12	0.12
P-1652	J-1363	J-1364	0.00	0.00	0.00	0.00	0.00	0.00
P-1653	J-1365	J-1366	0.00	0.00	0.00	0.00	0.00	0.00
P-1654	J-1365	J-1367	0.00	0.00	0.00	0.00	0.00	0.00
P-1655	J-1366	J-1369	0.00	0.00	0.00	0.00	0.00	0.00
P-1656	J-1366	J-1368	0.00	0.00	0.00	0.00	0.00	0.00
P-1657	J-1369	J-1237	0.00	0.00	0.00	0.00	0.00	0.00
P-1658	J-1369	J-1370	0.00	0.00	0.00	0.00	0.00	0.00
P-1659	J-1240	J-1371	0.00	0.00	0.00	0.00	0.00	0.00
P-1660	J-1240	J-1372	0.00	0.00	0.00	0.00	0.00	0.00
P-1661	J-1338	J-1373	724.20	0.44	0.00	1.15	0.56	0.56
P-1662	J-1373	J-1375	31.20	0.01	0.00	0.19	0.05	0.05
P-1663	J-1375	J-1377	31.20	0.00	0.00	0.19	0.05	0.05
P-1664	J-1375	J-1376	0.00	0.00	0.00	0.00	0.00	0.00
P-1665	J-1377	J-1374	0.00	0.00	0.00	0.00	0.00	0.00
P-1666	J-1377	J-1378	31.20	0.03	0.00	0.32	0.11	0.11
P-1667	J-1385	J-1379	1016.43	0.19	0.00	1.51	0.62	0.62
P-1668	J-1379	J-1380	60.71	0.28	0.00	0.69	0.36	0.36
P-1669	J-1380	J-1227	292.23	0.31	0.00	0.83	0.42	0.42
P-1670	J-1382	J-1381	899.67	0.13	0.00	1.33	0.50	0.50
P-1671	J-2144	J-1381	27.35	0.14	0.00	0.31	0.15	0.15
P-1672	J-1386	J-1382	891.08	0.37	0.00	1.32	0.49	0.49
P-1673	J-1384	J-1382	8.58	0.01	0.00	0.10	0.02	0.02
P-1674	J-1381	J-1385	927.02	0.14	0.00	1.37	0.53	0.53
P-1675	J-1387	J-1385	89.41	0.33	0.00	1.01	0.74	0.74
P-1676	J-1331	J-1387	125.18	0.11	0.00	0.78	0.60	0.60
P-1677	J-1390	J-1386	735.18	0.10	0.00	1.09	0.34	0.34
P-1678	J-1388	J-1386	155.91	0.00	0.00	0.23	0.02	0.02
P-1679	J-1574	J-1389	292.12	0.07	0.00	0.83	0.42	0.42
P-1680	J-1577	J-1062	38.60	0.08	0.00	0.40	0.17	0.17
P-1681	J-1577	J-1390	1051.10	0.80	0.00	1.56	0.66	0.66
P-1682	J-1389	J-1388	262.16	0.03	0.00	0.74	0.35	0.35
P-1683	J-1388	J-1391	106.26	0.04	0.00	0.30	0.06	0.06
P-1684	J-1391	J-1396	70.32	0.00	0.00	0.20	0.03	0.03
P-1685	J-1391	J-1393	35.94	0.15	0.00	0.41	0.25	0.25
P-1686	J-1393	J-1394	0.00	0.00	0.00	0.00	0.00	0.00
P-1687	J-1393	J-1395	35.94	0.13	0.00	0.41	0.25	0.25
P-1688	J-1396	J-1392	5.79	0.00	0.00	0.07	0.01	0.01
P-1689	J-1396	J-1408	64.54	0.21	0.00	0.73	0.75	0.75
P-1690	J-1397	J-919	0.00	0.00	0.00	0.00	0.00	0.00
P-1691	J-1399	J-1124	0.00	0.00	0.00	0.00	0.00	0.00
P-1692	J-1400	J-1267	51.96	0.37	0.00	0.59	0.50	0.50
P-1693	J-1411	J-1400	207.22	0.44	0.00	2.35	6.53	6.53
P-1694	J-1401	J-1402	0.00	0.00	0.00	0.00	0.00	0.00
P-1695	J-1405	J-1401	44.21	0.16	0.00	0.50	0.37	0.37
P-1697	J-978	J-1405	60.09	0.18	0.00	0.68	0.66	0.66
P-1698	J-1406	J-1403	0.00	0.00	0.00	0.00	0.00	0.00
P-1699	J-1405	J-2132	15.88	0.97	0.00	0.88	1.42	1.42
P-1700	J-1398	J-1408	5.79	0.01	0.00	0.07	0.01	0.01
P-1701	J-1408	J-1409	70.32	0.09	0.00	0.80	0.88	0.88
P-1702	J-1409	J-1407	76.42	0.04	0.00	0.87	1.03	1.03
P-1703	J-1410	J-1409	6.10	0.01	0.00	0.07	0.01	0.01
P-1704	J-1392	J-1398	5.79	0.20	0.00	0.26	0.25	0.25
P-1705	J-1407	J-1859	76.42	0.17	0.00	0.87	1.03	1.03
P-1706	J-1412	J-1413	158.21	0.07	0.00	0.99	0.92	0.92
P-1707	J-1401	J-1411	44.21	0.19	0.00	0.50	0.37	0.37
P-1708	J-1413	J-2133	158.21	0.25	0.00	0.99	0.92	0.92
P-1709	J-1413	J-1414	0.00	0.00	0.00	0.00	0.00	0.00
P-1710	J-1565	J-1412	146.68	0.27	0.00	0.91	0.80	0.80
P-1711	J-1415	J-1416	128.97	0.02	0.00	0.37	0.09	0.09

P-1712	J-1541	J-1415	128.97	0.47	0.00	0.80	0.63	0.63
P-1713	J-1560	J-738	30.35	0.03	0.00	0.19	0.04	0.04
P-1714	J-1417	J-1418	0.00	0.00	0.00	0.00	0.00	0.00
P-1715	J-1552	J-1417	0.06	0.00	0.00	0.00	0.00	0.00
P-1716	J-1417	J-1419	0.26	0.00	0.00	0.00	0.00	0.00
P-1717	J-1421	J-1419	2.39	0.00	0.00	0.01	0.00	0.00
P-1718	J-1422	J-1555	0.00	0.00	0.00	0.00	0.00	0.00
P-1719	J-1419	J-1423	2.65	0.00	0.00	0.02	0.00	0.00
P-1720	J-1424	J-1423	27.71	0.01	0.00	0.17	0.04	0.04
P-1721	J-1557	J-1424	30.35	0.02	0.00	0.19	0.04	0.04
P-1722	J-1461	J-1425	30.35	0.00	0.00	0.09	0.01	0.01
P-1723	J-1425	J-1426	25.07	0.00	0.00	0.16	0.03	0.03
P-1724	J-1426	J-1428	0.00	0.00	0.00	0.00	0.00	0.00
P-1725	J-1426	J-1427	25.07	0.01	0.00	0.16	0.03	0.03
P-1726	J-2109	J-1427	5.28	0.00	0.00	0.03	0.00	0.00
P-1727	J-1431	J-1429	5.28	0.00	0.00	0.06	0.01	0.01
P-1728	J-1429	J-1430	0.00	0.00	0.00	0.00	0.00	0.00
P-1729	J-737	J-1431	5.28	0.00	0.00	0.06	0.01	0.01
P-1730	J-1431	J-1433	0.00	0.00	0.00	0.00	0.00	0.00
P-1731	J-1433	J-1432	0.00	0.00	0.00	0.00	0.00	0.00
P-1732	J-1432	J-1433	0.00	0.00	0.00	0.00	0.00	0.00
P-1733	J-1436	J-1434	5.28	0.00	0.00	0.01	0.00	0.00
P-1734	J-1434	J-1435	0.00	0.00	0.00	0.00	0.00	0.00
P-1735	J-1443	J-1436	5.28	0.00	0.00	0.01	0.00	0.00
P-1736	J-1436	J-1437	0.00	0.00	0.00	0.00	0.00	0.00
P-1737	J-1434	J-1438	5.28	0.00	0.00	0.01	0.00	0.00
P-1738	J-1438	J-1439	0.00	0.00	0.00	0.00	0.00	0.00
P-1739	J-1439	J-1441	0.00	0.00	0.00	0.00	0.00	0.00
P-1740	J-1441	J-1440	0.00	0.00	0.00	0.00	0.00	0.00
P-1741	J-1441	J-1442	0.00	0.00	0.00	0.00	0.00	0.00
P-1742	J-1446	J-1443	5.28	0.00	0.00	0.01	0.00	0.00
P-1743	J-1443	J-1444	0.00	0.00	0.00	0.00	0.00	0.00
P-1744	J-1448	J-1446	5.28	0.00	0.00	0.01	0.00	0.00
P-1745	J-1445	J-1446	0.00	0.00	0.00	0.00	0.00	0.00
P-1746	J-1446	J-1447	0.00	0.00	0.00	0.00	0.00	0.00
P-1747	J-1450	J-1448	5.28	0.00	0.00	0.01	0.00	0.00
P-1748	J-1448	J-1449	0.00	0.00	0.00	0.00	0.00	0.00
P-1749	J-1452	J-1450	5.28	0.00	0.00	0.01	0.00	0.00
P-1750	J-1450	J-1451	0.00	0.00	0.00	0.00	0.00	0.00
P-1751	J-1458	J-1452	5.28	0.00	0.00	0.01	0.00	0.00
P-1752	J-1452	J-2039	0.00	0.00	0.00	0.00	0.00	0.00
P-1753	J-1455	J-1454	0.00	0.00	0.00	0.00	0.00	0.00
P-1754	J-1453	J-1455	0.00	0.00	0.00	0.00	0.00	0.00
P-1755	J-1456	J-1458	0.00	0.00	0.00	0.00	0.00	0.00
P-1756	J-1460	J-1458	5.28	0.00	0.00	0.01	0.00	0.00
P-1757	J-1457	J-1459	0.00	0.00	0.00	0.00	0.00	0.00
P-1758	J-1425	J-1460	5.28	0.00	0.00	0.01	0.00	0.00
P-1759	J-1460	J-1459	0.00	0.00	0.00	0.00	0.00	0.00
P-1760	J-1465	J-1461	30.35	0.00	0.00	0.09	0.01	0.01
P-1761	J-1461	J-1463	0.00	0.00	0.00	0.00	0.00	0.00
P-1762	J-1463	J-1462	0.00	0.00	0.00	0.00	0.00	0.00
P-1763	J-1463	J-1464	0.00	0.00	0.00	0.00	0.00	0.00
P-1764	J-1467	J-1465	30.35	0.00	0.00	0.09	0.01	0.01
P-1765	J-1465	J-1466	0.00	0.00	0.00	0.00	0.00	0.00
P-1766	J-1467	J-1476	14.51	0.00	0.00	0.04	0.00	0.00
P-1767	J-1470	J-1467	44.86	0.49	0.00	0.51	0.38	0.38
P-1768	J-1469	J-1468	0.00	0.00	0.00	0.00	0.00	0.00
P-1769	J-1468	J-1469	0.00	0.00	0.00	0.00	0.00	0.00
P-1770	J-1470	J-1469	0.00	0.00	0.00	0.00	0.00	0.00
P-1771	J-1472	J-1470	44.86	0.11	0.00	0.51	0.38	0.38
P-1772	J-1495	J-1472	40.03	0.28	0.00	0.45	0.31	0.31
P-1773	J-1471	J-1472	4.82	0.00	0.00	0.05	0.01	0.01
P-1774	J-1471	J-1473	31.01	0.09	0.00	0.35	0.19	0.19
P-1775	J-1473	J-1479	31.01	0.09	0.00	0.35	0.19	0.19
P-1776	J-1473	J-1475	0.00	0.00	0.00	0.00	0.00	0.00
P-1777	J-1476	J-739	14.51	0.00	0.00	0.04	0.00	0.00
P-1778	J-1476	J-1477	0.00	0.00	0.00	0.00	0.00	0.00
P-1779	J-1477	J-1478	0.00	0.00	0.00	0.00	0.00	0.00
P-1780	J-1937	J-1474	0.00	0.00	0.00	0.00	0.00	0.00
P-1781	J-1479	J-1937	31.01	0.01	0.00	0.35	0.19	0.19
P-1782	J-1474	J-1983	0.00	0.00	0.00	0.00	0.00	0.00
P-1783	J-743	J-742	119.65	0.00	0.00	0.34	0.08	0.08
P-1784	J-1940	J-1481	289.13	0.04	0.00	0.82	0.41	0.41

P-1785	J-1481	J-1483	0.00	0.00	0.00	0.00	0.00	0.00
P-1786	J-741	J-740	257.54	0.18	0.00	0.73	0.33	0.33
P-1787	J-1482	J-1484	29.69	0.11	0.00	0.34	0.18	0.18
P-1788	J-1482	J-1485	1.90	0.12	0.00	0.15	0.13	0.13
P-1789	J-1485	J-1497	11.43	0.03	0.00	0.13	0.03	0.03
P-1790	J-1484	J-1485	9.53	0.01	0.00	0.11	0.02	0.02
P-1791	J-1484	J-1496	20.16	0.05	0.00	0.23	0.09	0.09
P-1792	J-1488	J-1486	1107.46	0.78	0.00	1.64	0.73	0.73
P-1793	J-1487	J-1491	40.27	0.11	0.00	0.46	0.31	0.31
P-1794	J-1489	J-1487	14.95	0.46	0.00	0.83	1.27	1.27
P-1795	J-2075	J-1488	1113.16	0.29	0.00	1.65	0.74	0.74
P-1796	J-1488	J-1490	5.70	0.56	0.00	0.46	1.00	1.00
P-1797	J-1490	J-1486	45.96	0.22	0.00	0.52	0.40	0.40
P-1798	J-1491	J-1490	40.27	0.01	0.00	0.46	0.31	0.31
P-1799	J-1491	J-1493	0.00	0.00	0.00	0.00	0.00	0.00
P-1800	J-744	J-1494	75.87	0.31	0.00	0.86	1.02	1.02
P-1801	J-1494	J-1492	0.00	0.00	0.00	0.00	0.00	0.00
P-1802	J-1495	J-1471	35.83	0.28	0.00	0.41	0.25	0.25
P-1803	J-1494	J-1495	75.87	0.18	0.00	0.86	1.02	1.02
P-1804	J-1496	J-1487	20.16	0.00	0.00	0.20	0.03	0.03
P-1805	J-2082	J-2076	5.16	0.00	0.00	0.05	0.00	0.00
P-1806	J-1497	J-1776	6.27	0.00	0.00	0.07	0.01	0.01
P-1807	J-1576	J-1498	5.16	0.00	0.00	0.05	0.00	0.00
P-1808	J-1498	J-2083	0.00	0.00	0.00	0.00	0.00	0.00
P-1809	J-1500	J-1410	0.00	0.00	0.00	0.00	0.00	0.00
P-1810	J-1566	J-1410	6.10	0.06	0.00	0.16	0.07	0.07
P-1811	J-738	J-1502	308.67	0.36	0.00	1.92	3.17	3.17
P-1812	J-1502	J-1550	133.84	0.89	0.00	1.52	2.91	2.91
P-1813	J-1504	J-1505	93.42	0.13	0.00	0.58	0.35	0.35
P-1814	J-1504	J-1507	32.53	0.06	0.00	0.20	0.05	0.05
P-1815	J-1506	J-1505	32.53	0.04	0.00	0.20	0.05	0.05
P-1816	J-1507	J-1506	14.67	0.03	0.00	0.09	0.01	0.01
P-1817	J-1507	J-1506	17.86	0.03	0.00	0.20	0.07	0.07
P-1818	J-1505	J-1509	125.95	0.36	0.00	0.78	0.60	0.60
P-1819	J-1508	J-1503	179.71	1.11	0.00	1.12	1.16	1.16
P-1820	J-1508	J-1510	0.00	0.00	0.00	0.00	0.00	0.00
P-1821	J-1509	J-1508	179.71	0.22	0.00	1.12	1.16	1.16
P-1822	J-1511	J-1509	53.76	0.18	0.00	0.61	0.54	0.54
P-1823	J-1516	J-1512	11.97	0.05	0.00	0.14	0.03	0.03
P-1824	J-1512	J-1513	0.00	0.00	0.00	0.00	0.00	0.00
P-1825	J-1512	J-1514	11.97	0.01	0.00	0.14	0.03	0.03
P-1826	J-1514	J-1511	27.55	0.05	0.00	0.31	0.16	0.16
P-1827	J-1515	J-1511	26.21	0.17	0.00	0.30	0.14	0.14
P-1828	J-1516	J-1514	15.58	0.07	0.00	0.18	0.05	0.05
P-1829	J-1515	J-1516	27.55	0.05	0.00	0.31	0.16	0.16
P-1830	J-1517	J-1504	125.95	0.04	0.00	0.78	0.60	0.60
P-1831	J-1517	J-1515	53.76	0.17	0.00	0.61	0.54	0.54
P-1832	J-1518	J-1517	179.71	1.38	0.00	1.12	1.16	1.16
P-1833	J-1520	J-1518	41.21	0.09	0.00	0.47	0.33	0.33
P-1834	J-1520	J-1519	0.00	0.00	0.00	0.00	0.00	0.00
P-1835	J-1524	J-1520	41.21	0.08	0.00	0.47	0.33	0.33
P-1836	J-1521	J-1522	0.00	0.00	0.00	0.00	0.00	0.00
P-1837	J-1521	J-1523	0.00	0.00	0.00	0.00	0.00	0.00
P-1838	J-1524	J-1521	0.00	0.00	0.00	0.00	0.00	0.00
P-1839	J-1292	J-1524	41.21	0.19	0.00	0.47	0.33	0.33
P-1840	J-1545	J-2044	161.80	0.13	0.00	1.01	0.96	0.96
P-1841	J-994	J-1526	128.97	0.17	0.00	0.80	0.63	0.63
P-1842	J-1526	J-1535	32.30	0.18	0.00	0.37	0.21	0.21
P-1843	J-1528	J-1527	5.02	0.00	0.00	0.06	0.01	0.01
P-1844	J-1528	J-1537	5.32	0.01	0.00	0.06	0.01	0.01
P-1845	J-1530	J-1533	10.56	0.03	0.00	0.12	0.03	0.03
P-1846	J-1544	J-1529	20.47	0.02	0.00	0.23	0.09	0.09
P-1847	J-1532	J-1529	0.22	0.00	0.00	0.00	0.00	0.00
P-1848	J-1533	J-1532	0.22	0.00	0.00	0.02	0.00	0.00
P-1849	J-1533	J-1528	10.34	0.01	0.00	0.12	0.03	0.03
P-1850	J-1531	J-1530	32.30	0.07	0.00	0.37	0.21	0.21
P-1851	J-1531	J-1534	0.00	0.00	0.00	0.00	0.00	0.00
P-1852	J-1535	J-1531	32.30	0.07	0.00	0.37	0.21	0.21
P-1853	J-1535	J-1536	0.00	0.00	0.00	0.00	0.00	0.00
P-1854	J-1537	J-1539	10.34	0.00	0.00	0.12	0.03	0.03
P-1855	J-1527	J-1537	5.02	0.01	0.00	0.05	0.00	0.00
P-1856	J-2076	J-1501	5.16	0.00	0.00	0.05	0.00	0.00
P-1857	J-1529	J-1539	20.69	0.02	0.00	0.23	0.09	0.09

P-1858	J-1539	J-1540	31.03	0.13	0.00	0.35	0.19	0.19
P-1859	J-1542	J-1541	97.94	0.17	0.00	0.61	0.38	0.38
P-1860	J-1540	J-1541	31.03	0.00	0.00	0.19	0.04	0.04
P-1861	J-1543	J-1542	96.66	0.16	0.00	0.60	0.37	0.37
P-1862	J-1544	J-1542	1.28	0.00	0.00	0.01	0.00	0.00
P-1863	J-1530	J-1544	21.74	0.01	0.00	0.25	0.10	0.10
P-1864	J-1526	J-1543	96.66	0.17	0.00	0.60	0.37	0.37
P-1865	J-1543	J-1546	0.00	0.00	0.00	0.00	0.00	0.00
P-1866	J-2045	J-1545	166.46	0.30	0.00	1.04	1.01	1.01
P-1867	J-1545	J-1548	4.66	0.21	0.00	0.38	0.69	0.69
P-1868	J-1548	J-1547	0.00	0.00	0.00	0.00	0.00	0.00
P-1869	J-1548	J-1549	4.66	0.16	0.00	0.38	0.69	0.69
P-1870	J-1550	J-1518	138.50	0.57	0.00	0.86	0.72	0.72
P-1871	J-1549	J-1550	4.66	0.00	0.00	0.05	0.01	0.01
P-1872	J-1552	J-1420	0.00	0.00	0.00	0.00	0.00	0.00
P-1873	J-1551	J-1552	0.00	0.00	0.00	0.00	0.00	0.00
P-1874	J-1553	J-1552	0.26	0.00	0.00	0.01	0.00	0.00
P-1875	J-1553	J-1554	0.00	0.00	0.00	0.00	0.00	0.00
P-1876	J-1421	J-1553	0.26	0.00	0.00	0.01	0.00	0.00
P-1877	J-1556	J-1555	2.65	0.00	0.00	0.02	0.00	0.00
P-1878	J-1555	J-1421	2.65	0.00	0.00	0.07	0.02	0.02
P-1879	J-1424	J-1556	2.65	0.01	0.00	0.07	0.02	0.02
P-1880	J-1556	J-1558	0.00	0.00	0.00	0.00	0.00	0.00
P-1881	J-1427	J-1557	30.35	0.00	0.00	0.19	0.04	0.04
P-1882	J-1557	J-1559	0.00	0.00	0.00	0.00	0.00	0.00
P-1884	J-1562	J-1561	30.35	0.00	0.00	0.19	0.04	0.04
P-1885	J-1560	J-1984	0.00	0.00	0.00	0.00	0.00	0.00
P-1886	J-1423	J-1562	30.35	0.02	0.00	0.19	0.04	0.04
P-1887	J-1562	J-1563	0.00	0.00	0.00	0.00	0.00	0.00
P-1888	J-1563	J-1564	0.00	0.00	0.00	0.00	0.00	0.00
P-1889	J-1564	J-1563	0.00	0.00	0.00	0.00	0.00	0.00
P-1890	J-1416	J-1565	128.97	0.11	0.00	0.80	0.63	0.63
P-1891	J-1566	J-1565	17.71	0.05	0.00	0.20	0.07	0.07
P-1892	J-1568	J-1566	23.81	0.22	0.00	0.62	0.90	0.90
P-1893	J-1501	J-1567	0.00	0.00	0.00	0.00	0.00	0.00
P-1894	J-1576	J-2084	0.00	0.00	0.00	0.00	0.00	0.00
P-1895	J-1568	J-1569	0.00	0.00	0.00	0.00	0.00	0.00
P-1896	J-1573	J-1568	23.81	0.03	0.00	0.27	0.12	0.12
P-1897	J-1571	J-1570	0.00	0.00	0.00	0.00	0.00	0.00
P-1898	J-1571	J-1572	0.00	0.00	0.00	0.00	0.00	0.00
P-1899	J-1573	J-1571	0.00	0.00	0.00	0.00	0.00	0.00
P-1900	J-1574	J-1573	23.81	0.12	0.00	0.27	0.12	0.12
P-1901	J-1390	J-1574	315.93	0.00	0.00	0.47	0.07	0.07
P-1902	J-1569	J-1575	0.00	0.00	0.00	0.00	0.00	0.00
P-1903	J-1501	J-1576	5.16	0.00	0.00	0.05	0.00	0.00
P-1904	J-1081	J-1577	1089.71	0.54	0.00	1.62	0.71	0.71
P-1905	J-1280	J-1635	73.04	0.13	0.00	0.45	0.22	0.22
P-1906	J-1579	J-1578	77.38	0.19	0.00	0.88	1.05	1.05
P-1907	J-1580	J-1579	16.56	0.01	0.00	0.10	0.01	0.01
P-1908	J-1581	J-1586	128.13	0.38	0.00	0.80	0.62	0.62
P-1909	J-1582	J-1581	53.93	0.01	0.00	0.34	0.13	0.13
P-1910	J-1580	J-1582	53.93	0.06	0.00	0.61	0.54	0.54
P-1911	J-1583	J-1580	70.49	0.16	0.00	0.80	0.89	0.89
P-1912	J-1640	J-1583	36.13	0.02	0.00	0.22	0.06	0.06
P-1913	J-1584	J-1581	74.20	0.07	0.00	0.46	0.23	0.23
P-1914	J-1655	J-1583	34.36	0.03	0.00	0.39	0.23	0.23
P-1915	J-1578	J-1585	0.00	0.00	0.00	0.00	0.00	0.00
P-1916	J-1578	J-1586	77.38	0.25	0.00	0.88	1.05	1.05
P-1917	J-1586	J-1643	205.51	0.33	0.00	1.28	1.49	1.49
P-1918	J-1588	J-1587	0.00	0.00	0.00	0.00	0.00	0.00
P-1919	J-1588	J-1589	0.00	0.00	0.00	0.00	0.00	0.00
P-1920	J-1590	J-1588	0.00	0.00	0.00	0.00	0.00	0.00
P-1921	J-1590	J-1591	0.00	0.00	0.00	0.00	0.00	0.00
P-1922	J-1592	J-1590	0.00	0.00	0.00	0.00	0.00	0.00
P-1923	J-1592	J-1593	0.00	0.00	0.00	0.00	0.00	0.00
P-1924	J-1594	J-1592	0.00	0.00	0.00	0.00	0.00	0.00
P-1925	J-1594	J-1595	0.00	0.00	0.00	0.00	0.00	0.00
P-1926	J-1596	J-1594	0.00	0.00	0.00	0.00	0.00	0.00
P-1927	J-1596	J-1652	130.55	0.07	0.00	1.48	2.78	2.78
P-1928	J-1597	J-1599	90.36	0.44	0.00	0.56	0.33	0.33
P-1929	J-1597	J-1598	44.46	0.13	0.00	0.50	0.38	0.38
P-1930	J-1598	J-1599	40.19	0.30	0.00	0.46	0.31	0.31
P-1931	J-1599	J-1596	130.55	0.25	0.00	0.81	0.64	0.64

I-1933	J-1584	J-1600	42.89	0.05	0.00	0.27	0.08	0.08
I-1933	J-1600	J-1649	244.49	1.21	0.00	1.52	2.06	2.06
P-1934	J-1601	J-1773	343.67	0.56	0.00	3.14	3.87	3.87
P-1935	J-1607	J-1601	150.93	1.68	0.00	1.71	3.63	3.63
P-1936	J-1604	J-1603	0.00	0.00	0.00	0.00	0.00	0.00
P-1937	J-1606	J-1604	86.68	2.46	0.00	0.98	1.30	1.30
I-1938	J-1606	J-1605	363.32	2.00	0.00	2.26	4.29	4.29
P-1939	J-1605	J-1764	299.07	2.15	0.00	1.86	2.99	2.99
I-1940	J-1605	J-1607	64.25	0.97	0.00	0.73	0.75	0.75
P-1941	J-1604	J-1607	86.68	0.51	0.00	0.98	1.30	1.30
P-1942	J-1608	J-1606	450.00	3.61	0.00	2.80	6.37	6.37
P-1943	J-1608	J-1609	0.00	0.00	0.00	0.00	0.00	0.00
P-1944	J-1608	J-1610	0.00	0.00	0.00	0.00	0.00	0.00
P-1945	J-1611	J-1608	450.00	2.21	0.00	2.80	6.37	6.37
P-1946	J-1611	J-1613	0.00	0.00	0.00	0.00	0.00	0.00
P-1947	J-1613	J-1612	0.00	0.00	0.00	0.00	0.00	0.00
P-1948	J-1613	J-1614	0.00	0.00	0.00	0.00	0.00	0.00
P-1949	J-1615	J-1611	450.00	6.02	0.00	2.80	6.37	6.37
P-1950	J-1615	J-1616	0.00	0.00	0.00	0.00	0.00	0.00
P-1951	J-1616	J-1617	0.00	0.00	0.00	0.00	0.00	0.00
P-1952	J-1616	J-1618	0.00	0.00	0.00	0.00	0.00	0.00
P-1953	J-1619	J-1628	117.19	0.10	0.00	0.73	0.53	0.53
P-1954	J-1619	J-1620	0.00	0.00	0.00	0.00	0.00	0.00
P-1955	J-1620	J-1621	0.00	0.00	0.00	0.00	0.00	0.00
P-1956	J-1620	J-1622	0.00	0.00	0.00	0.00	0.00	0.00
P-1957	J-1622	J-1623	0.00	0.00	0.00	0.00	0.00	0.00
P-1958	J-1622	J-1625	0.00	0.00	0.00	0.00	0.00	0.00
P-1959	J-1624	J-1619	117.19	0.54	0.00	0.73	0.53	0.53
P-1960	J-1624	J-1627	0.00	0.00	0.00	0.00	0.00	0.00
P-1961	J-2062	J-1626	62.51	0.12	0.00	0.39	0.16	0.16
P-1962	J-1626	J-1630	57.08	0.39	0.00	0.65	0.60	0.60
P-1963	J-1628	J-1600	149.13	0.44	0.00	0.93	0.82	0.82
P-1964	J-1629	J-1600	52.48	0.55	0.00	0.60	0.51	0.51
P-1965	J-1630	J-1628	31.94	0.14	0.00	0.36	0.20	0.20
P-1966	J-1630	J-1629	25.14	0.04	0.00	0.29	0.13	0.13
P-1967	J-1632	J-1629	27.33	0.16	0.00	0.31	0.15	0.15
P-1968	J-1631	J-1584	117.09	0.20	0.00	0.73	0.53	0.53
P-1969	J-1645	J-1631	153.22	0.40	0.00	0.95	0.87	0.87
P-1970	J-1632	J-1633	51.14	0.02	0.00	0.32	0.11	0.11
P-1971	J-1633	J-1634	0.00	0.00	0.00	0.00	0.00	0.00
P-1972	J-1638	J-1632	78.48	0.02	0.00	0.49	0.25	0.25
P-1973	J-1626	J-1635	5.43	0.00	0.00	0.03	0.00	0.00
P-1974	J-1635	J-1636	78.48	0.08	0.00	0.49	0.25	0.25
P-1975	J-1636	J-1637	0.00	0.00	0.00	0.00	0.00	0.00
P-1976	J-1636	J-1638	78.48	0.17	0.00	0.49	0.25	0.25
P-1977	J-1638	J-1639	0.00	0.00	0.00	0.00	0.00	0.00
P-1978	J-1631	J-1640	36.13	0.02	0.00	0.22	0.06	0.06
P-1979	J-1640	J-1642	0.00	0.00	0.00	0.00	0.00	0.00
P-1980	J-1272	J-1641	16.58	0.08	0.00	0.19	0.06	0.06
P-1981	J-1641	J-1644	3.57	0.19	0.00	0.29	0.42	0.42
P-1982	J-1276	J-1644	98.50	0.18	0.00	0.61	0.38	0.38
P-1983	J-1644	J-1645	102.08	0.18	0.00	0.64	0.41	0.41
P-1984	J-1633	J-1645	51.14	0.04	0.00	0.32	0.11	0.11
P-1985	J-1643	J-1646	162.50	0.34	0.00	1.01	0.97	0.97
P-1986	J-1643	J-1647	43.01	0.47	0.00	0.49	0.36	0.36
P-1987	J-1646	J-1597	134.82	0.25	0.00	0.84	0.68	0.68
P-1988	J-1646	J-1647	27.68	0.13	0.00	0.31	0.16	0.16
P-1989	J-1647	J-1648	61.33	0.25	0.00	0.70	0.69	0.69
P-1990	J-1598	J-1648	4.27	0.00	0.00	0.05	0.00	0.00
P-1991	J-1647	J-1649	9.36	0.01	0.00	0.11	0.02	0.02
P-1992	J-1649	J-1651	253.85	1.48	0.00	1.58	2.21	2.21
P-1993	J-1649	J-1650	0.00	0.00	0.00	0.00	0.00	0.00
P-1994	J-1651	J-1615	450.00	3.95	0.00	2.80	6.37	6.37
P-1995	J-1652	J-1651	196.15	0.61	0.00	1.22	1.37	1.37
P-1996	J-1648	J-1652	65.60	0.62	0.00	0.74	0.78	0.78
P-1997	J-1653	J-1721	0.00	0.00	0.00	0.00	0.00	0.00
P-1998	J-1654	J-1723	0.00	0.00	0.00	0.00	0.00	0.00
P-1999	J-1654	J-1656	0.00	0.00	0.00	0.00	0.00	0.00
P-2000	J-1661	J-1655	3.06	0.00	0.00	0.03	0.00	0.00
P-2001	J-1660	J-1655	31.30	0.14	0.00	0.36	0.20	0.20
P-2002	J-1657	J-1579	60.82	0.21	0.00	0.69	0.67	0.67
P-2003	J-1662	J-1658	28.95	0.05	0.00	0.33	0.17	0.17
P-2004	J-1657	J-1659	3.06	0.00	0.00	0.03	0.00	0.00

J-2005	J-1658	J-1731	0.00	0.00	0.00	0.00	0.00	0.00
P-2006	J-1675	J-1660	31.30	0.04	0.00	0.36	0.20	0.20
P-2007	J-1659	J-1661	3.06	0.00	0.00	0.03	0.00	0.00
P-2008	J-1660	J-1719	0.00	0.00	0.00	0.00	0.00	0.00
P-2009	J-1673	J-1662	8.46	0.00	0.00	0.10	0.02	0.02
P-201	J-112	J-1784	0.04	0.00	0.00	0.00	0.00	0.00
P-2010	J-1677	J-1662	20.49	0.03	0.00	0.23	0.09	0.09
P-2011	J-1681	J-1664	17.74	0.02	0.00	0.20	0.07	0.07
P-2012	J-1664	J-1674	16.37	0.02	0.00	0.19	0.06	0.06
P-2013	J-1666	J-1665	0.00	0.00	0.00	0.00	0.00	0.00
P-2014	J-1669	J-1666	12.83	0.02	0.00	0.15	0.04	0.04
P-2015	J-1668	J-1667	0.00	0.00	0.00	0.00	0.00	0.00
P-2016	J-1691	J-1669	15.70	0.02	0.00	0.18	0.05	0.05
P-2017	J-1669	J-1672	2.87	0.00	0.00	0.03	0.00	0.00
P-2018	J-1666	J-1670	12.83	0.01	0.00	0.15	0.04	0.04
P-2019	J-1672	J-1671	1.66	0.00	0.00	0.02	0.00	0.00
P-2020	J-1672	J-1670	1.20	0.03	0.00	0.10	0.06	0.06
P-2021	J-1673	J-1657	63.88	0.25	0.00	0.72	0.74	0.74
P-2022	J-1670	J-1674	14.04	0.01	0.00	0.16	0.04	0.04
P-2023	J-1674	J-1673	72.33	0.07	0.00	0.45	0.22	0.22
P-2024	J-1671	J-1674	41.92	0.04	0.00	0.26	0.08	0.08
P-2025	J-1663	J-1671	40.26	0.02	0.00	0.25	0.07	0.07
P-2026	J-1676	J-1663	56.33	0.04	0.00	0.35	0.14	0.14
P-2027	J-1680	J-1676	29.86	0.03	0.00	0.19	0.04	0.04
P-2028	J-1658	J-1675	28.95	0.02	0.00	0.33	0.17	0.17
P-2029	J-1989	J-1675	2.35	0.00	0.00	0.02	0.00	0.00
P-2030	J-1678	J-1677	22.84	0.07	0.00	0.26	0.11	0.11
P-2031	J-1664	J-1678	1.37	0.00	0.00	0.02	0.00	0.00
P-2032	J-1679	J-1678	21.47	0.03	0.00	0.24	0.10	0.10
P-2033	J-1701	J-1680	44.08	0.10	0.00	0.27	0.09	0.09
P-2034	J-1682	J-1679	22.19	0.04	0.00	0.25	0.10	0.10
P-2035	J-1679	J-1681	0.72	0.01	0.00	0.06	0.02	0.02
P-2036	J-1663	J-1681	17.02	0.02	0.00	0.19	0.06	0.06
P-2037	J-1680	J-1682	23.15	0.04	0.00	0.26	0.11	0.11
P-2038	J-1682	J-1663	0.96	0.03	0.00	0.08	0.04	0.04
P-2039	J-1696	J-1680	8.92	0.01	0.00	0.10	0.02	0.02
P-2040	J-1683	J-1727	19.98	0.01	0.00	0.12	0.02	0.02
P-2041	J-1683	J-1684	17.61	0.02	0.00	0.20	0.07	0.07
P-2042	J-1684	J-1686	3.13	0.00	0.00	0.04	0.00	0.00
P-2043	J-1686	J-1698	29.67	0.01	0.00	0.18	0.04	0.04
P-2044	J-1687	J-1686	4.49	0.00	0.00	0.05	0.01	0.01
P-2045	J-1995	J-1687	5.22	0.00	0.00	0.06	0.01	0.01
P-2046	J-1685	J-1687	3.27	0.00	0.00	0.04	0.00	0.00
P-2047	J-1685	J-1689	2.94	0.00	0.00	0.03	0.00	0.00
P-2048	J-1689	J-1688	0.00	0.00	0.00	0.00	0.00	0.00
P-2049	J-1689	J-1690	2.94	0.00	0.00	0.03	0.00	0.00
P-2050	J-1687	J-1690	4.01	0.00	0.00	0.05	0.00	0.00
P-2051	J-1690	J-1695	6.95	0.01	0.00	0.08	0.01	0.01
P-2052	J-1691	J-1667	0.00	0.00	0.00	0.00	0.00	0.00
P-2053	J-1676	J-1691	15.70	0.05	0.00	0.18	0.05	0.05
P-2054	J-1693	J-1694	0.00	0.00	0.00	0.00	0.00	0.00
P-2055	J-1694	J-1676	42.17	0.03	0.00	0.26	0.08	0.08
P-2056	J-1695	J-1715	0.00	0.00	0.00	0.00	0.00	0.00
P-2057	J-1695	J-1697	6.95	0.01	0.00	0.08	0.01	0.01
P-2058	J-1697	J-1694	36.58	0.02	0.00	0.23	0.06	0.06
P-2059	J-1699	J-1696	14.52	0.01	0.00	0.16	0.05	0.05
P-2060	J-1696	J-1694	5.60	0.01	0.00	0.06	0.01	0.01
P-2061	J-1698	J-1697	29.63	0.00	0.00	0.18	0.04	0.04
P-2062	J-1698	J-1699	0.04	0.00	0.00	0.00	0.00	0.00
P-2063	J-1684	J-1699	14.47	0.01	0.00	0.16	0.05	0.05
P-2064	J-1700	J-1685	6.21	0.01	0.00	0.07	0.01	0.01
P-2065	J-1702	J-1700	13.51	0.02	0.00	0.15	0.04	0.04
P-2066	J-1702	J-1683	37.58	0.01	0.00	0.23	0.06	0.06
P-2067	J-1701	J-1702	51.10	0.04	0.00	0.32	0.11	0.11
P-2068	J-1703	J-1701	95.17	0.16	0.00	0.59	0.36	0.36
P-2069	J-1703	J-1704	0.00	0.00	0.00	0.00	0.00	0.00
P-2070	J-1712	J-1703	95.17	0.04	0.00	0.55	0.22	0.22
P-2071	J-1706	J-1705	4.11	0.00	0.00	0.02	0.00	0.00
P-2072	J-1707	J-1705	11.24	0.00	0.00	0.07	0.00	0.00
P-2073	J-1707	J-1708	4.11	0.00	0.00	0.02	0.00	0.00
P-2074	J-1709	J-1707	15.35	0.00	0.00	0.09	0.01	0.01
P-2075	J-1709	J-1710	0.00	0.00	0.00	0.00	0.00	0.00
P-2076	J-1711	J-1709	15.35	0.00	0.00	0.09	0.01	0.01

P-2077	J-1705	J-1712	15.35	0.01	0.00	0.09	0.01	0.01
P-2078	J-1713	J-1712	79.82	0.04	0.00	0.46	0.16	0.16
P-2079	J-1714	J-1713	95.17	0.03	0.00	0.55	0.22	0.22
P-2080	J-1713	J-1711	15.35	0.03	0.00	0.16	0.03	0.03
P-2081	J-1715	J-1692	0.00	0.00	0.00	0.00	0.00	0.00
P-2082	J-1715	J-1722	0.00	0.00	0.00	0.00	0.00	0.00
P-2083	J-1717	J-1718	0.00	0.00	0.00	0.00	0.00	0.00
P-2084	J-1718	J-1716	0.00	0.00	0.00	0.00	0.00	0.00
P-2085	J-1718	J-1720	0.00	0.00	0.00	0.00	0.00	0.00
P-2086	J-1677	J-1989	2.35	0.10	0.00	0.19	0.19	0.19
P-2087	J-1720	J-1722	0.00	0.00	0.00	0.00	0.00	0.00
P-2088	J-1722	J-1717	0.00	0.00	0.00	0.00	0.00	0.00
P-2089	J-1721	J-1654	0.00	0.00	0.00	0.00	0.00	0.00
P-2090	J-1721	J-1724	0.00	0.00	0.00	0.00	0.00	0.00
P-2091	J-1723	J-1585	0.00	0.00	0.00	0.00	0.00	0.00
P-2092	J-1723	J-1725	0.00	0.00	0.00	0.00	0.00	0.00
P-2093	J-1688	I-RV-6	0.00	0.00	0.00	0.00	0.00	0.00
P-2094	J-1732	J-1728	0.00	0.00	0.00	0.00	0.00	0.00
P-2095	J-1130	J-1994	0.00	0.00	0.00	0.00	0.00	0.00
P-2096	J-1727	J-1686	22.05	0.01	0.00	0.14	0.02	0.02
P-2097	J-1728	J-1130	0.00	0.00	0.00	0.00	0.00	0.00
P-2098	J-1988	J-1732	0.00	0.00	0.00	0.00	0.00	0.00
P-2100	J-1287	J-1991	1.03	0.03	0.00	0.11	0.07	0.07
P-2101	J-1732	J-1737	0.00	0.00	0.00	0.00	0.00	0.00
P-2102	J-1735	J-1734	0.00	0.00	0.00	0.00	0.00	0.00
P-2103	J-1735	J-1736	0.00	0.00	0.00	0.00	0.00	0.00
P-2104	J-1736	J-1735	0.00	0.00	0.00	0.00	0.00	0.00
P-2105	J-1737	J-250	0.00	0.00	0.00	0.00	0.00	0.00
P-2106	J-1737	J-1741	0.00	0.00	0.00	0.00	0.00	0.00
P-2107	J-1739	J-1738	0.00	0.00	0.00	0.00	0.00	0.00
P-2108	J-1738	J-1740	0.00	0.00	0.00	0.00	0.00	0.00
P-2109	J-1738	J-2022	0.00	0.00	0.00	0.00	0.00	0.00
P-2110	J-1741	J-1739	0.00	0.00	0.00	0.00	0.00	0.00
P-2111	J-1741	J-2026	0.00	0.00	0.00	0.00	0.00	0.00
P-2115	J-1069	J-1747	18.85	0.03	0.00	0.20	0.07	0.07
P-2131	J-994	J-1292	41.21	0.24	0.00	0.47	0.33	0.33
P-2132	J-1525	J-1293	190.06	0.01	0.00	0.54	0.19	0.19
P-2133	J-1758	J-1760	1.41	0.00	0.00	0.00	0.00	0.00
P-2134	J-1760	J-1761	1.41	0.00	0.00	0.00	0.00	0.00
P-2135	J-1761	J-1763	1.41	0.00	0.00	0.00	0.00	0.00
P-2136	J-1762	J-811	55.13	0.01	0.00	0.16	0.01	0.01
P-2137	J-1763	J-864	1.41	0.00	0.00	0.00	0.00	0.00
P-2138	J-1764	J-1601	192.74	0.50	0.00	1.20	1.32	1.32
P-2139	J-1764	J-1769	106.33	1.64	0.00	1.10	1.09	1.09
P-2143	J-1047	J-482	0.00	0.00	0.00	0.00	0.00	0.00
P-2144	J-1769	J-1770	106.33	0.19	0.00	0.62	0.26	0.26
P-2146	J-1770	J-1771	450.00	1.07	0.00	2.80	6.37	6.37
P-2147	J-1771	J-1602	450.00	4.44	0.00	2.80	6.37	6.37
P-2148	J-1773	J-1770	343.67	0.77	0.00	2.14	3.87	3.87
P-2151	J-1776	J-740	6.27	0.01	0.00	0.07	0.01	0.01
P-2152	J-1776	J-1777	0.00	0.00	0.00	0.00	0.00	0.00
P-2153	J-1779	J-861	163.62	0.34	0.00	0.95	0.59	0.59
P-2154	J-1778	J-113	0.04	0.00	0.00	0.00	0.00	0.00
P-2155	J-1780	J-1793	0.00	0.00	0.00	0.00	0.00	0.00
P-2156	J-1781	J-983	0.00	0.00	0.00	0.00	0.00	0.00
P-2157	J-1782	J-1783	0.00	0.00	0.00	0.00	0.00	0.00
P-2158	J-1783	J-736	0.00	0.00	0.00	0.00	0.00	0.00
P-2159	J-1784	J-1778	0.04	0.00	0.00	0.00	0.00	0.00
P-2160	J-907	J-958	10.11	0.06	0.00	0.25	0.09	0.09
P-2162	J-1852	J-112	378.89	0.09	0.00	0.36	0.03	0.03
P-2163	J-1788	J-946	444.16	0.18	0.00	0.42	0.05	0.05
P-2167	J-1792	J-1780	0.00	0.00	0.00	0.00	0.00	0.00
P-2168	J-1793	J-955	0.00	0.00	0.00	0.00	0.00	0.00
P-2188	J-1810	J-1815	0.00	0.00	0.00	0.00	0.00	0.00
P-2189	J-1809	J-1833	3670.32	0.74	0.00	2.41	0.93	0.93
P-2190	O-P-EF1	J-1810	3670.32	1.17	0.00	21.30	186.74	186.74
P-2194	O-Pump-3	J-1811	0.00	0.00	0.00	0.00	0.00	0.00
P-2197	J-1815	J-1811	0.00	0.00	0.00	0.00	0.00	0.00
P-2198	O-Pump-2	J-1815	0.00	0.00	0.00	0.00	0.00	0.00
P-2204	J-482	J-2004	0.00	0.00	0.00	0.00	0.00	0.00
P-2214	J-1825	J-1256	70.49	0.06	0.00	0.41	0.12	0.12
P-2215	J-1827	J-1706	4.11	0.00	0.00	0.02	0.00	0.00
P-2216	J-1826	J-1827	2.15	0.00	0.00	0.01	0.00	0.00

P-2217	J-1914	J-1827	1.96	0.00	0.00	0.02	0.00	0.00
P-2218	J-1256	J-1828	95.17	0.15	0.00	0.55	0.22	0.22
P-2224	J-1833	J-1834	50.00	0.09	0.00	0.52	0.27	0.27
P-2229	J-949	J-922	70.43	0.00	0.00	0.19	0.02	0.02
P-2235	J-1851	J-1889	0.00	0.00	0.00	0.00	0.00	0.00
P-2243	J-991	J-995	0.00	0.00	0.00	0.00	0.00	0.00
P-2244	J-1854	J-1909	0.00	0.00	0.00	0.00	0.00	0.00
P-2250	J-978	J-1406	4.80	0.00	0.00	0.05	0.01	0.01
P-2257	J-1860	J-1865	0.00	0.00	0.00	0.00	0.00	0.00
P-2262	J-1865	J-1863	0.00	0.00	0.00	0.00	0.00	0.00
P-2263	J-1865	J-1867	0.00	0.00	0.00	0.00	0.00	0.00
P-2292	J-1889	J-1888	0.00	0.00	0.00	0.00	0.00	0.00
P-2302	J-1752	J-718	12.38	0.01	0.00	0.13	0.02	0.02
P-2319	J-1909	J-930	0.00	0.00	0.00	0.00	0.00	0.00
P-2320	J-1909	J-1911	0.00	0.00	0.00	0.00	0.00	0.00
P-2323	J-1914	J-1826	2.15	0.00	0.00	0.01	0.00	0.00
P-2325	J-1708	J-1914	4.11	0.00	0.00	0.02	0.00	0.00
P-2326	J-861	J-865	63.25	0.26	0.00	0.66	0.41	0.41
P-2328	J-1917	J-1308	63.55	0.01	0.00	0.17	0.01	0.01
P-2329	J-799	J-1921	0.00	0.00	0.00	0.00	0.00	0.00
P-2330	J-1313	J-1328	63.72	0.22	0.00	0.66	0.42	0.42
P-2332	J-1923	J-1919	331.17	0.03	0.00	0.31	0.03	0.03
P-2334	J-1924	J-1923	260.74	0.02	0.00	0.25	0.02	0.02
P-2335	J-2092	J-1923	70.43	0.00	0.00	0.19	0.02	0.02
P-2336	J-1924	J-1929	112.99	0.02	0.00	0.30	0.04	0.04
P-2337	J-1025	J-949	70.43	0.00	0.00	0.19	0.02	0.02
P-2338	J-1930	J-1025	444.16	0.02	0.00	0.42	0.05	0.05
P-2339	J-1928	J-1930	444.16	0.01	0.00	0.42	0.05	0.05
P-2340	J-1930	J-1931	0.00	0.00	0.00	0.00	0.00	0.00
P-2344	J-2030	J-2034	12.77	0.00	0.00	0.07	0.00	0.00
P-2345	J-1311	J-1917	63.55	0.03	0.00	0.17	0.01	0.01
P-2346	J-1916	J-1917	0.00	0.00	0.00	0.00	0.00	0.00
P-2347	J-2034	J-2035	12.77	0.00	0.00	0.07	0.00	0.00
P-2350	J-1937	J-1940	31.01	0.07	0.00	0.32	0.11	0.11
P-2351	J-1307	J-1939	15.79	0.00	0.00	0.04	0.00	0.00
P-2372	J-1063	J-1980	0.00	0.00	0.00	0.00	0.00	0.00
P-2373	J-1063	J-1981	0.00	0.00	0.00	0.00	0.00	0.00
P-2376	J-1982	J-1561	0.00	0.00	0.00	0.00	0.00	0.00
P-2393	J-2005	J-482	0.00	0.00	0.00	0.00	0.00	0.00
P-2405	J-1429	J-1977	5.28	0.00	0.00	0.06	0.01	0.01
P-2406	J-1049	J-1480	1181.47	0.02	0.00	1.75	0.82	0.82
P-2407	J-1985	J-1986	0.00	0.00	0.00	0.00	0.00	0.00
P-2408	J-1986	J-761	0.00	0.00	0.00	0.00	0.00	0.00
P-2409	J-1733	J-278	0.00	0.00	0.00	0.00	0.00	0.00
P-2411	J-806	J-775	344.13	0.97	0.00	0.98	0.41	0.41
P-2413	J-1130	J-1730	0.00	0.00	0.00	0.00	0.00	0.00
P-2414	J-1994	J-1729	0.00	0.00	0.00	0.00	0.00	0.00
P-2415	J-1700	J-1995	7.30	0.01	0.00	0.08	0.01	0.01
P-2416	J-1995	J-1727	2.08	0.00	0.00	0.01	0.00	0.00
P-2417	J-769	J-1997	11.32	0.01	0.00	0.12	0.02	0.02
P-2418	J-1997	J-1996	0.00	0.00	0.00	0.00	0.00	0.00
P-2419	J-1997	J-1998	11.32	0.01	0.00	0.12	0.02	0.02
P-2420	J-1998	J-1999	0.00	0.00	0.00	0.00	0.00	0.00
P-2421	J-1998	J-1190	11.32	0.01	0.00	0.12	0.02	0.02
P-2425	J-2004	J-1768	0.00	0.00	0.00	0.00	0.00	0.00
P-2430	J-2005	J-1892	0.00	0.00	0.00	0.00	0.00	0.00
P-2431	J-2005	J-2007	0.00	0.00	0.00	0.00	0.00	0.00
P-2432	J-2006	J-2005	0.00	0.00	0.00	0.00	0.00	0.00
P-2433	J-2008	J-1057	0.00	0.00	0.00	0.00	0.00	0.00
P-2434	J-2008	J-2006	0.00	0.00	0.00	0.00	0.00	0.00
P-2448	J-381	J-1779	163.62	0.30	0.00	0.95	0.59	0.59
P-2457	J-1734	J-2026	0.00	0.00	0.00	0.00	0.00	0.00
P-2458	J-2022	J-1742	0.00	0.00	0.00	0.00	0.00	0.00
P-2459	J-1769	J-2024	0.00	0.00	0.00	0.00	0.00	0.00
P-2460	J-2026	J-1743	0.00	0.00	0.00	0.00	0.00	0.00
P-2461	J-2022	J-2026	0.00	0.00	0.00	0.00	0.00	0.00
P-2462	J-2024	J-2063	0.00	0.00	0.00	0.00	0.00	0.00
P-2468	J-2031	J-1311	63.55	0.00	0.00	0.16	0.01	0.01
P-2469	J-2036	J-2031	12.77	0.00	0.00	0.07	0.00	0.00
P-2470	J-2030	J-2037	50.78	0.00	0.00	0.13	0.01	0.01
P-2471	J-840	J-2032	99.39	4.89	0.00	1.13	1.68	1.68
P-2472	J-2032	J-2030	63.55	0.00	0.00	0.16	0.01	0.01
P-2473	J-2033	J-1916	0.00	0.00	0.00	0.00	0.00	0.00

P-2474	J-2035	J-2036	12.77	0.00	0.00	0.07	0.00	0.00
P-2475	J-2037	J-2031	50.78	0.00	0.00	0.13	0.01	0.01
P-2476	J-2038	J-759	0.00	0.00	0.00	0.00	0.00	0.00
P-2477	J-2039	J-1455	0.00	0.00	0.00	0.00	0.00	0.00
P-2478	J-2039	J-2042	0.00	0.00	0.00	0.00	0.00	0.00
P-2480	J-273	J-953	0.00	0.00	0.00	0.00	0.00	0.00
P-2481	J-951	J-2041	0.00	0.00	0.00	0.00	0.00	0.00
P-2482	J-2044	J-994	170.18	0.21	0.00	1.06	1.05	1.05
P-2483	J-2047	J-2044	8.38	0.14	0.00	0.46	0.43	0.43
P-2484	J-1502	J-2045	174.84	0.20	0.00	1.09	1.11	1.11
P-2485	J-2045	J-2046	8.38	0.14	0.00	0.46	0.43	0.43
P-2486	J-2046	J-2047	8.38	0.15	0.00	0.46	0.43	0.43
P-2487	J-2048	J-2050	0.00	0.00	0.00	0.00	0.00	0.00
P-2490	J-2050	J-891	0.00	0.00	0.00	0.00	0.00	0.00
P-2503	J-2062	J-1624	117.19	0.01	0.00	0.73	0.53	0.53
P-2504	J-1503	J-2062	179.71	0.33	0.00	1.00	0.48	0.48
P-2505	J-2063	J-2022	0.00	0.00	0.00	0.00	0.00	0.00
P-2508	J-2038	J-2066	0.00	0.00	0.00	0.00	0.00	0.00
P-2517	J-743	J-2075	1128.11	0.16	0.00	1.67	0.76	0.76
P-2518	J-2075	J-1489	14.95	0.27	0.00	0.83	1.27	1.27
P-2522	J-1498	J-1487	5.16	0.00	0.00	0.05	0.00	0.00
P-2523	J-2076	J-2081	0.00	0.00	0.00	0.00	0.00	0.00
P-2524	J-2081	J-2080	0.00	0.00	0.00	0.00	0.00	0.00
P-2526	J-2083	J-1499	0.00	0.00	0.00	0.00	0.00	0.00
P-2527	J-2084	J-1992	0.00	0.00	0.00	0.00	0.00	0.00
P-2532	J-2085	J-2088	0.00	0.00	0.00	0.00	0.00	0.00
P-2533	J-2088	J-2086	0.00	0.00	0.00	0.00	0.00	0.00
P-2534	J-113	J-2089	0.00	0.00	0.00	0.00	0.00	0.00
P-2535	J-2090	J-1927	0.00	0.00	0.00	0.00	0.00	0.00
P-2536	J-2090	J-2092	0.00	0.00	0.00	0.00	0.00	0.00
P-2537	J-1853	J-2092	70.43	0.00	0.00	0.19	0.02	0.02
P-2538	J-922	J-1853	70.43	0.04	0.00	0.19	0.02	0.02
P-2566	J-2110	J-2108	27.75	0.05	0.00	0.28	0.06	0.06
P-2567	J-2110	J-1264	0.00	0.00	0.00	0.00	0.00	0.00
P-2569	J-1977	J-2111	5.28	0.00	0.00	0.03	0.00	0.00
P-2590	J-1227	J-2132	33.56	0.40	0.00	0.38	0.22	0.22
P-2591	J-1406	J-2131	4.80	0.10	0.00	0.26	0.15	0.15
P-2592	J-2133	J-1411	163.01	0.31	0.00	1.01	0.97	0.97
P-2593	J-2131	J-2133	4.80	0.13	0.00	0.57	1.02	1.02
P-2606	J-1395	J-1383	35.94	0.03	0.00	0.36	0.10	0.10
P-2607	J-2144	J-1384	8.58	0.00	0.00	0.09	0.01	0.01
P-2608	J-1383	J-2144	35.94	0.01	0.00	0.41	0.25	0.25
P-278	J-250	J-1736	0.00	0.00	0.00	0.00	0.00	0.00
P-315	J-250	J-278	0.00	0.00	0.00	0.00	0.00	0.00
P-453	J-856	J-381	163.62	0.27	0.00	0.95	0.59	0.59
P-579	J-950	J-946	0.00	0.00	0.00	0.00	0.00	0.00
P-680	J-1293	J-1758	1.41	0.00	0.00	0.00	0.00	0.00
P-808	J-412	J-484	0.00	0.00	0.00	0.00	0.00	0.00
P-831	J-1768	J-412	0.00	0.00	0.00	0.00	0.00	0.00
P-839	J-718	J-1035	12.38	0.01	0.00	0.14	0.04	0.04
P-905	J-1828	J-1714	95.17	0.13	0.00	0.55	0.22	0.22
P-907	J-722	J-1860	3620.32	2.55	0.00	2.38	0.91	0.91
P-910	J-722	J-1789	0.00	0.00	0.00	0.00	0.00	0.00
P-911	J-113	J-111	0.00	0.00	0.00	0.00	0.00	0.00
P-912	J-113	J-957	0.04	0.00	0.00	0.00	0.00	0.00
P-913	J-112	J-956	368.79	0.06	0.00	0.55	0.10	0.10
P-914	J-1438	J-737	5.28	0.00	0.00	0.01	0.00	0.00
P-915	J-739	J-738	278.32	0.16	0.00	0.79	0.39	0.39
P-916	J-740	J-739	263.82	0.02	0.00	0.75	0.35	0.35
P-917	J-741	J-1482	31.59	0.03	0.00	0.36	0.20	0.20
P-918	J-1481	J-741	289.13	0.11	0.00	0.82	0.41	0.41
P-919	J-745	J-743	1247.76	0.63	0.00	1.85	0.91	0.91
P-921	J-744	J-742	138.47	0.48	0.00	0.86	0.72	0.72
P-922	J-1480	J-745	1181.47	0.56	0.00	1.75	0.82	0.82
P-923	J-745	J-744	214.34	0.15	0.00	2.43	6.96	6.96
P-924	J-1319	J-745	280.64	0.07	0.00	0.80	0.39	0.39
P-925	J-183	J-747	0.00	0.00	0.00	0.00	0.00	0.00
P-926	J-747	J-757	0.00	0.00	0.00	0.00	0.00	0.00
P-927	J-747	J-749	0.00	0.00	0.00	0.00	0.00	0.00
P-928	J-749	J-748	0.00	0.00	0.00	0.00	0.00	0.00
P-929	J-749	J-750	0.00	0.00	0.00	0.00	0.00	0.00
P-930	J-750	J-755	0.00	0.00	0.00	0.00	0.00	0.00
P-931	J-750	J-753	0.00	0.00	0.00	0.00	0.00	0.00

P-932	J-753	J-752	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-933	J-753	J-754	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-934	J-755	J-751	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-935	J-755	J-756	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-936	J-757	J-746	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-937	J-757	J-2038	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-938	J-759	J-758	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-939	J-759	J-1985	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-940	J-760	J-761	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-941	J-1379	J-762	955.72	0.09	0.00	1.42	0.56	0.56	0.56
P-942	J-762	J-1380	231.52	0.19	0.00	0.66	0.27	0.27	0.27
P-943	J-763	J-764	1.58	0.00	0.00	0.00	0.00	0.00	0.00
P-944	J-763	J-766	257.08	0.09	0.00	0.73	0.33	0.33	0.33
P-945	J-766	J-1203	258.66	0.15	0.00	0.73	0.34	0.34	0.34
P-946	J-764	J-766	1.58	0.09	0.00	0.13	0.11	0.11	0.11
P-948	J-767	J-1215	224.27	0.02	0.00	0.64	0.26	0.26	0.26
P-949	J-765	J-768	26.68	0.00	0.00	0.08	0.01	0.01	0.01
P-950	J-768	J-1295	206.07	0.08	0.00	0.58	0.22	0.22	0.22
P-951	J-772	J-771	811.07	0.23	0.00	1.20	0.41	0.41	0.41
P-953	J-1303	J-782	811.07	0.30	0.00	1.20	0.41	0.41	0.41
P-954	J-791	J-772	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-955	J-774	T-Tot	1661.65	0.07	0.00	2.46	1.55	1.55	1.55
P-956	J-775	J-774	486.25	0.94	0.00	0.77	0.27	0.27	0.27
P-957	J-776	T-Con	2769.74	0.15	0.00	1.82	0.55	0.55	0.55
P-958	J-1043	J-775	142.12	0.07	0.00	0.40	0.11	0.11	0.11
P-959	J-778	J-777	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-960	J-779	J-1037	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-961	J-1028	J-779	142.12	0.26	0.00	0.40	0.11	0.11	0.11
P-963	J-1929	J-780	112.99	0.03	0.00	0.32	0.07	0.07	0.07
P-964	J-1021	J-780	29.13	0.00	0.00	0.08	0.01	0.01	0.01
P-966	J-782	J-772	811.07	0.24	0.00	1.20	0.41	0.41	0.41
P-967	J-782	J-784	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-969	J-771	J-1075	1175.40	0.42	0.00	1.74	0.82	0.82	0.82
P-970	J-1919	J-799	302.04	0.03	0.00	0.29	0.02	0.02	0.02
P-971	J-787	J-788	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-972	J-789	J-786	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-973	J-789	J-788	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-974	J-788	J-790	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-975	J-790	J-792	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-976	J-790	J-791	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-977	J-791	J-787	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-978	J-786	J-787	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-979	J-792	J-794	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-980	J-792	J-793	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-981	J-793	J-789	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-982	J-794	J-795	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-983	J-794	J-796	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-984	J-796	J-793	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-985	J-795	J-798	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-986	J-795	J-797	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-987	J-797	J-796	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-988	J-798	J-800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-989	J-798	J-800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-990	J-800	J-797	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-991	J-799	J-771	302.04	0.03	0.00	0.29	0.02	0.02	0.02
P-993	J-804	J-802	62.29	0.02	0.00	0.18	0.02	0.02	0.02
P-994	J-802	J-803	0.00	0.00	0.00	0.00	0.00	0.00	0.00
P-995	J-814	J-804	35.84	0.00	0.00	0.10	0.01	0.01	0.01
P-996	J-1034	J-804	26.45	0.21	0.00	0.30	0.14	0.14	0.14
P-998	J-1308	J-806	370.58	0.01	0.00	1.05	0.66	0.66	0.66
P-999	J-807	J-805	0.00	0.00	0.00	0.00	0.00	0.00	0.00
-@AV-1	I-AV-1	O-AV-1	3756.94	0.00	7.00	0.15*****	0.00	0.00	0.00

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P U M P / L O S S E L E M E N T R E S U L T S

NAME	FLOWRATE	INLET HEAD	OUTLET HEAD	PUMP HEAD	EFFIC- ENCY	USEFUL POWER	INCREMTL COST	TOTAL COST	#PUMPS PARALLEL	#PUMPS SERIES	NPSH
Avail.	(gpm)	(ft)	(ft)	(ft)	(%)	(Hp)	(\$)	(\$)			

(ft)

P-EF1	3670.32	269.33	463.16	193.8	75.00	0.	0.0	0.0	**	**	290.5
P-G2	1586.08	140.42	320.03	179.6	75.00	0.	0.0	0.0	**	**	173.6
P-H1	3756.94	63.53	222.08	158.5	75.00	0.	0.0	0.0	**	**	93.6
Device "Pump-2" is closed											
Pump-2	0.00	269.76	462.00	0.0	75.00	0.	0.0	0.0	**	**	303.0
Device "Pump-3" is closed											
Pump-3	0.00	269.77	462.00	0.0	75.00	0.	0.0	0.0	**	**	303.0
Pump-HS2	6288.02	10.00	209.63	199.6	75.00	0.	0.0	0.0	**	**	43.2
Pump-HS3	6148.37	10.00	209.62	199.6	75.00	0.	0.0	0.0	**	**	43.2

FOLLOWING ADDITIONAL PIPES ARE CLOSED :

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FOLLOWING ADDITIONAL PIPES ARE CLOSED :

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N O D E R E S U L T S

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	HYDRAULIC GRADE (ft)	NODE ELEVATION (ft)	PRESSURE HEAD (ft)	NODE PRESSURE (psi)
I-AV-1		0.00	952.88	738.00	214.88	93.11
J-1000		0.00	968.13	836.00	132.13	57.26
J-1001		0.00	968.13	832.00	136.13	58.99
J-1002		0.00	968.13	830.00	138.13	59.86
J-1003		0.00	968.13	806.00	162.13	70.26
J-1004		0.00	968.13	820.00	148.13	64.19
J-1005		0.00	968.13	814.00	154.13	66.79
J-1006		0.00	968.13	816.00	152.13	65.92
J-1007		0.00	968.13	802.00	166.13	71.99
J-1008		0.00	968.13	812.00	156.13	67.66
J-1009		0.00	968.13	800.00	168.13	72.86
J-1010		0.00	968.13	818.00	150.13	65.06
J-1011		0.00	968.13	830.00	138.13	59.86
J-1012		0.00	968.35	830.00	138.35	59.95
J-1013		0.00	967.82	770.00	197.82	85.72
J-1014		0.00	968.35	816.00	152.35	66.02
J-1015		0.00	967.82	770.00	197.82	85.72
J-1016		0.00	967.82	792.00	175.82	76.19
J-1017		0.00	967.72	788.00	179.72	77.88
J-1018		0.00	967.82	786.00	181.82	78.79
J-1019		0.00	967.72	787.00	180.72	78.31
J-1020		0.00	967.72	797.00	170.72	73.98
J-1021		0.00	967.71	789.00	178.71	77.44
J-1022		0.00	967.72	788.00	179.72	77.88
J-1023		0.00	967.71	808.00	159.71	69.21
J-1024		0.00	967.71	806.00	161.71	70.08
J-1025		0.00	967.80	784.00	183.80	79.65
J-1026		0.00	967.76	773.00	194.76	84.39
J-1027		0.00	967.76	772.00	195.76	84.83
J-1028		0.00	967.64	812.00	155.64	67.45
J-1029		0.00	967.64	816.00	151.64	65.71
J-1030		0.00	967.95	808.00	159.95	69.31
J-1031		0.00	967.17	800.00	167.17	72.44
J-1032		0.00	967.95	808.00	159.95	69.31
J-1033		0.00	967.95	782.00	185.95	80.58
J-1034		0.00	967.93	818.00	149.93	64.97
J-1035		0.00	967.93	818.00	149.93	64.97
J-1036		0.00	967.93	821.00	146.93	63.67
J-1037		0.00	967.38	826.00	141.38	61.27
J-1038		0.00	967.34	798.00	169.34	73.38
J-1039		0.00	967.38	815.00	152.38	66.03
J-1040		0.00	967.27	798.00	169.27	73.35
J-1041		0.00	967.34	798.00	169.34	73.38
J-1042		0.00	967.27	805.00	162.27	70.32
J-1043		0.00	967.24	788.00	179.24	77.67

J-1044	0.00	967.24	813.00	154.24	66.84
J-1045	0.00	967.73	796.00	171.73	74.42
J-1046	0.00	967.73	786.00	181.73	78.75
J-1047	0.00	967.73	742.00	225.73	97.82
J-1048	0.00	967.73	770.00	197.73	85.68
J-1049	0.00	976.96	657.00	319.96	138.65
J-1050	0.00	967.73	791.00	176.73	76.58
J-1051	0.00	967.73	784.00	183.73	79.62
J-1052	0.00	967.73	763.00	204.73	88.72
J-1053	0.00	967.73	775.00	192.73	83.52
J-1054	0.00	967.73	764.00	203.73	88.28
J-1055	0.00	967.73	800.00	167.73	72.68
J-1056	0.00	967.73	808.00	159.73	69.22
J-1057	0.00	967.73	772.00	195.73	84.82
J-1058	0.00	967.73	774.00	193.73	83.95
J-1059	0.00	967.73	774.00	193.73	83.95
J-1060	0.00	971.08	808.00	163.08	70.67
J-1061	0.00	972.51	782.00	190.51	82.55
J-1062	0.00	973.35	767.00	206.35	89.42
J-1063	0.00	974.75	763.00	211.75	91.76
J-1064	0.00	972.19	824.00	148.19	64.21
J-1065	0.00	973.43	762.00	211.43	91.62
J-1066	0.00	973.43	793.00	180.43	78.19
J-1067	0.00	971.90	813.00	158.90	68.86
J-1068	0.00	973.59	760.00	213.59	92.55
J-1069	0.00	973.25	768.00	205.25	88.94
J-1070	0.00	973.57	789.00	184.57	79.98
J-1071	0.00	971.30	819.00	152.30	65.99
J-1073	0.00	967.95	810.00	157.95	68.45
J-1074	0.00	973.84	788.00	185.84	80.53
J-1075	0.00	967.25	807.00	160.25	69.44
J-1076	0.00	973.87	787.00	186.87	80.98
J-1077	0.00	967.69	827.00	140.69	60.96
J-1078	0.00	973.69	754.00	219.69	95.20
J-1079	0.00	973.69	766.00	207.69	90.00
J-1080	0.00	973.61	755.00	218.61	94.73
J-1081	0.00	973.97	750.00	223.97	97.05
J-1082	0.00	973.43	780.00	193.43	83.82
J-1083	0.00	973.39	784.00	189.39	82.07
J-1084	0.00	971.60	819.00	152.60	66.13
J-1085	0.00	973.43	788.00	185.43	80.35
J-1086	0.00	971.84	804.00	167.84	72.73
J-1087	0.00	971.60	801.00	170.60	73.93
J-1088	0.00	971.91	802.00	169.91	73.63
J-1089	0.00	971.84	784.00	187.84	81.40
J-1090	0.00	971.91	780.00	191.91	83.16
J-1091	0.00	972.14	798.00	174.14	75.46
J-1092	0.00	972.14	770.00	202.14	87.59
J-1093	0.00	972.37	796.00	176.37	76.43
J-1094	0.00	971.67	815.00	156.67	67.89
J-1095	0.00	972.54	780.00	192.54	83.43
J-1096	0.00	971.56	830.00	141.56	61.34
J-1097	0.00	971.67	790.00	181.67	78.72
J-1098	0.00	971.56	776.00	195.56	84.74
J-1099	0.00	971.56	804.00	167.56	72.61
J-110	0.00	969.06	810.00	159.06	68.93
J-1100	0.00	971.56	762.00	209.56	90.81
J-1101	0.00	971.43	826.00	145.43	63.02
J-1102	0.00	971.56	758.00	213.56	92.54
J-1103	0.00	971.38	824.00	147.38	63.86
J-1104	0.00	970.62	764.00	206.62	89.54
J-1105	0.00	970.82	790.00	180.82	78.36
J-1106	0.00	971.09	782.00	189.09	81.94
J-1107	0.00	971.37	814.00	157.37	68.19
J-1108	0.00	971.08	814.00	157.08	68.07
J-1109	0.00	971.09	812.00	159.09	68.94
J-111	0.00	968.44	835.00	133.44	57.83
J-1110	0.00	969.92	752.00	217.92	94.43
J-1111	0.00	969.92	754.00	215.92	93.57
J-1112	0.00	969.72	773.00	196.72	85.25
J-1113	0.00	969.70	782.00	187.70	81.34
J-1114	0.00	969.71	786.00	183.71	79.61
J-1115	0.00	969.66	812.00	157.66	68.32

J-1116	0.00	969.12	782.00	187.12	81.08
J-1117	0.00	969.19	783.00	186.19	80.68
J-1118	0.00	969.53	784.00	185.53	80.40
J-1119	0.00	969.61	792.00	177.61	76.96
J-1120	0.00	968.44	835.00	133.44	57.83
J-1121	0.00	969.83	818.00	151.83	65.79
J-1122	0.00	969.56	774.00	195.56	84.74
J-1123	0.00	970.61	808.00	162.61	70.46
J-1124	0.00	970.06	740.00	230.06	99.69
J-1125	0.00	969.56	775.00	194.56	84.31
J-1126	0.00	969.56	774.00	195.56	84.74
J-1127	0.00	969.15	758.00	211.15	91.50
J-1128	0.00	969.15	756.00	213.15	92.36
J-1129	0.00	969.17	773.00	196.17	85.01
J-1130	0.00	969.40	760.00	209.40	90.74
J-1131	0.00	968.44	835.00	133.44	57.83
J-1132	0.00	943.94	637.00	306.94	133.01
J-1133	0.00	969.40	794.00	175.40	76.01
J-1134	0.00	969.17	766.00	203.17	88.04
J-1135	0.00	969.17	766.00	203.17	88.04
J-1136	0.00	969.17	762.00	207.17	89.77
J-1137	0.00	969.17	773.00	196.17	85.01
J-1138	0.00	969.17	774.00	195.17	84.57
J-1139	0.00	969.29	800.00	169.29	73.36
J-1140	0.00	969.29	798.00	171.29	74.22
J-1141	0.00	969.40	798.00	171.40	74.27
J-1142	0.00	969.17	768.00	201.17	87.17
J-1143	0.00	969.69	729.00	240.69	104.30
J-1144	0.00	969.17	777.00	192.17	83.27
J-1145	0.00	969.23	723.00	246.23	106.70
J-1146	0.00	969.70	766.00	203.70	88.27
J-1147	0.00	969.62	776.00	193.62	83.90
J-1148	0.00	969.91	770.00	199.91	86.63
J-1149	0.00	969.62	778.00	191.62	83.03
J-1150	0.00	970.18	792.00	178.18	77.21
J-1151	0.00	969.67	770.00	199.67	86.52
J-1152	0.00	969.70	776.00	193.70	83.94
J-1153	0.00	969.70	772.00	197.70	85.67
J-1154	0.00	969.69	776.00	193.69	83.93
J-1155	0.00	969.73	756.00	213.73	92.61
J-1156	0.00	969.69	780.00	189.69	82.20
J-1157	0.00	969.74	785.00	184.74	80.06
J-1158	0.00	969.49	774.00	195.49	84.71
J-1159	0.00	969.49	768.00	201.49	87.31
J-1160	0.00	969.37	766.00	203.37	88.13
J-1161	0.00	969.37	754.00	215.37	93.33
J-1162	0.00	969.32	742.00	227.32	98.51
J-1163	0.00	969.39	762.00	207.39	89.87
J-1164	0.00	969.39	770.00	199.39	86.40
J-1165	0.00	969.39	761.00	208.39	90.30
J-1166	0.00	969.36	764.00	205.36	88.99
J-1167	0.00	969.34	748.00	221.34	95.91
J-1168	0.00	967.19	702.00	265.19	114.92
J-1169	0.00	967.19	700.00	267.19	115.78
J-1170	0.00	969.30	744.00	225.30	97.63
J-1171	0.00	967.62	692.00	275.62	119.44
J-1172	0.00	967.62	722.00	245.62	106.44
J-1173	0.00	969.09	714.00	255.09	110.54
J-1174	0.00	969.34	764.00	205.34	88.98
J-1175	0.00	969.31	748.00	221.31	95.90
J-1176	0.00	969.34	754.00	215.34	93.31
J-1177	0.00	969.30	740.00	229.30	99.36
J-1178	0.00	969.34	750.00	219.34	95.05
J-1179	0.00	969.34	766.00	203.34	88.12
J-1180	0.00	969.30	743.00	226.30	98.06
J-1181	0.00	969.34	750.00	219.34	95.05
J-1182	0.00	969.34	748.00	221.34	95.91
J-1183	0.00	969.34	750.00	219.34	95.05
J-1184	0.00	969.34	750.00	219.34	95.05
J-1185	0.00	969.34	754.00	215.34	93.31
J-1186	0.00	969.31	742.00	227.31	98.50
J-1187	0.00	969.34	740.00	229.34	99.38
J-1188	0.00	969.31	742.00	227.31	98.50

J-1188	0.00	969.31	741.00	228.31	98.94	
J-1189	0.00	969.31	736.00	233.31	101.10	
J-1190	0.00	969.24	745.00	224.24	97.17	
J-1191	0.00	969.24	748.00	221.24	95.87	
J-1192	0.00	969.86	744.00	225.86	97.87	
J-1193	0.00	969.86	745.00	224.86	97.44	
J-1194	0.00	969.86	745.00	224.86	97.44	
J-1195	0.00	969.86	749.00	220.86	95.71	
J-1196	0.00	969.70	760.00	209.70	90.87	
J-1197	0.00	969.87	750.00	219.87	95.28	
J-1198	0.00	969.87	747.00	222.87	96.58	
J-1199	0.00	969.87	758.00	211.87	91.81	
J-1200	0.00	969.88	750.00	219.88	95.28	
J-1201	0.00	970.13	771.00	199.13	86.29	
J-1202	0.00	970.13	773.00	197.13	85.42	
J-1203	0.00	970.77	814.00	156.77	67.93	
J-1204	0.00	970.36	794.00	176.36	76.42	
J-1205	0.00	970.36	778.00	192.36	83.36	
J-1206	0.00	970.36	776.00	194.36	84.22	
J-1207	0.00	970.36	819.00	151.36	65.59	
J-1208	0.00	970.52	821.00	149.52	64.79	
J-1209	0.00	970.42	800.00	170.42	73.85	
J-1210	0.00	970.45	806.00	164.45	71.26	
J-1211	0.00	970.52	812.00	158.52	68.69	
J-1212	0.00	970.05	771.00	199.05	86.25	
J-1213	0.00	970.45	780.00	190.45	82.53	
J-1214	0.00	970.05	778.00	192.05	83.22	
J-1215	0.00	970.46	776.00	194.46	84.27	
J-1216	0.00	969.91	768.00	201.91	87.49	
J-1217	0.00	970.13	758.00	212.13	91.92	
J-1218	0.00	970.43	771.00	199.43	86.42	
J-1219	0.00	970.43	766.00	204.43	88.59	
J-1220	0.00	970.43	759.00	211.43	91.62	
J-1221	0.00	970.43	759.00	211.43	91.62	
J-1222	0.00	970.41	769.00	201.41	87.28	
J-1223	0.00	970.43	748.00	222.43	96.39	
J-1224	0.00	970.40	765.00	205.40	89.01	
J-1225	0.00	970.41	746.00	224.41	97.24	
J-1226	0.00	970.40	761.00	209.40	90.74	
J-1227	0.00	971.11	840.00	131.11	56.81	
J-1228	0.00	970.51	780.00	190.51	82.55	
J-1229	0.00	969.41	760.00	209.41	90.75	
J-1230	0.00	969.31	745.00	224.31	97.20	
J-1231	0.00	969.41	746.00	223.41	96.81	
J-1232	0.00	968.48	667.00	301.48	130.64	
J-1233	0.00	969.31	746.00	223.31	96.77	
J-1234	0.00	968.48	669.00	299.48	129.77	
J-1235	0.00	968.48	671.00	297.48	128.91	
J-1236	0.00	968.48	663.00	305.48	132.37	
J-1237	0.00	968.48	670.00	298.48	129.34	
J-1238	0.00	968.48	672.00	296.48	128.47	
J-1239	0.00	968.48	672.00	296.48	128.47	
J-1240	0.00	968.48	672.00	296.48	128.47	
J-1241	0.00	968.48	702.00	266.48	115.47	
J-1242	0.00	968.48	688.00	280.48	121.54	
J-1243	0.00	968.48	725.00	243.48	105.51	
J-1244	0.00	968.48	693.00	275.48	119.37	
J-1245	0.00	967.04	707.00	260.04	112.69	
J-1246	0.00	928.99	660.00	268.99	116.56	
J-1247	EK MM1	325.00	927.58	660.00	267.58	115.95
J-1248		0.00	928.99	660.00	268.99	116.56
J-1249		0.00	969.86	752.00	217.86	94.41
J-1250		0.00	969.86	753.00	216.86	93.97
J-1251		0.00	969.87	753.00	216.87	93.98
J-1252		0.00	969.86	753.00	216.86	93.97
J-1253		0.00	969.19	736.00	233.19	101.05
J-1255		0.00	969.66	776.00	193.66	83.92
J-1256		0.00	969.55	772.00	197.55	85.61
J-1257		0.00	969.57	768.00	201.57	87.35
J-1258		0.00	969.66	774.00	195.66	84.78
J-1259		0.00	969.57	758.00	211.57	91.68
J-1260		0.00	969.68	774.00	195.68	84.80
J-1261		0.00	969.68	774.00	195.68	84.80

J-1261	0.00	970.14	764.00	206.14	89.33
J-1263	0.00	970.38	752.00	218.38	94.63
J-1264	0.00	970.13	764.00	206.13	89.32
J-1265	0.00	970.38	749.00	221.38	95.93
J-1266	0.00	970.22	743.00	227.22	98.46
J-1267	0.00	970.50	766.00	204.50	88.62
J-1268	0.00	970.27	743.00	227.27	98.48
J-1269	0.00	969.73	754.00	215.73	93.48
J-1270	0.00	969.47	752.00	217.47	94.23
J-1271	0.00	969.47	734.00	235.47	102.04
J-1272	0.00	969.30	716.00	253.30	109.76
J-1273	0.00	969.70	728.00	241.70	104.74
J-1274	0.00	969.48	720.00	249.48	108.11
J-1275	0.00	969.70	736.00	233.70	101.27
J-1276	0.00	969.21	750.00	219.21	94.99
J-1277	0.00	970.28	749.00	221.28	95.89
J-1278	0.00	969.36	720.00	249.36	108.06
J-1279	0.00	969.31	736.00	233.31	101.10
J-1280	0.00	969.31	711.00	258.31	111.93
J-1281	0.00	969.31	736.00	233.31	101.10
J-1282	0.00	969.31	754.00	215.31	93.30
J-1283	0.00	969.31	724.00	245.31	106.30
J-1284	0.00	970.28	725.00	245.28	106.29
J-1285	0.00	969.31	751.00	218.31	94.60
J-1286	0.00	970.52	755.00	215.52	93.39
J-1287	0.00	970.31	755.00	215.31	93.30
J-1288	0.00	970.36	746.00	224.36	97.22
J-1289	0.00	970.69	763.00	207.69	90.00
J-1290	0.00	970.21	762.00	208.21	90.22
J-1291	0.00	970.38	760.00	210.38	91.16
J-1292	0.00	973.23	776.00	197.23	85.47
J-1293	0.00	969.06	776.00	193.06	83.66
J-1294	0.00	974.78	778.00	196.78	85.27
J-1295	0.00	970.31	762.00	208.31	90.27
J-1296	0.00	974.56	755.00	219.56	95.14
J-1297	0.00	974.78	770.00	204.78	88.74
J-1298	0.00	974.78	768.00	206.78	89.60
J-1299	0.00	974.78	778.00	196.78	85.27
J-1300	0.00	974.78	764.00	210.78	91.34
J-1301	0.00	974.22	764.00	210.22	91.10
J-1302	0.00	967.69	811.00	156.69	67.90
J-1303	0.00	968.43	804.00	164.43	71.25
J-1304	0.00	973.84	776.00	197.84	85.73
J-1305	0.00	973.72	756.00	217.72	94.35
J-1306	0.00	973.72	746.00	227.72	98.68
J-1307	0.00	967.95	809.00	158.95	68.88
J-1308	0.00	968.16	767.00	201.16	87.17
J-1309	0.00	973.75	762.00	211.75	91.76
J-1310	0.00	973.73	768.00	205.73	89.15
J-1311	0.00	968.19	809.00	159.19	68.98
J-1312	0.00	973.84	768.00	205.84	89.20
J-1313	0.00	973.89	742.00	231.89	100.49
J-1314	0.00	975.12	720.00	255.12	110.55
J-1315	0.00	975.12	702.00	273.12	118.35
J-1316	0.00	975.12	700.00	275.12	119.22
J-1317	0.00	975.73	710.00	265.73	115.15
J-1318	0.00	975.12	693.00	282.12	122.25
J-1319	0.00	976.46	666.00	310.46	134.53
J-1320	0.00	975.75	708.00	267.75	116.03
J-1321	0.00	975.73	694.00	281.73	122.08
J-1322	0.00	975.75	744.00	231.75	100.43
J-1323	0.00	974.27	752.00	222.27	96.32
J-1324	0.00	974.27	718.00	256.27	111.05
J-1325	0.00	974.28	751.00	223.28	96.76
J-1326	0.00	974.28	760.00	214.28	92.86
J-1327	0.00	974.28	779.00	195.28	84.62
J-1328	0.00	973.67	752.00	221.67	96.06
J-1329	0.00	973.84	768.00	205.84	89.20
J-1330	0.00	968.19	811.00	157.19	68.12
J-1331	0.00	972.33	792.00	180.33	78.14
J-1332	0.00	971.44	812.00	159.44	69.09
J-1333	0.00	972.33	761.00	211.33	91.58
J-1334	0.00	972.13	824.00	148.13	64.19

J-1335	0.00	971.44	793.00	178.44	77.32
J-1336	0.00	971.90	826.00	145.90	63.22
J-1337	0.00	971.90	812.00	159.90	69.29
J-1338	0.00	971.41	800.00	171.41	74.28
J-1339	0.00	971.41	802.00	169.41	73.41
J-1340	0.00	970.96	782.00	188.96	81.88
J-1341	0.00	970.96	796.00	174.96	75.82
J-1342	0.00	970.96	793.00	177.96	77.12
J-1343	0.00	970.96	802.00	168.96	73.22
J-1344	0.00	971.25	796.00	175.25	75.94
J-1345	0.00	970.93	788.00	182.93	79.27
J-1346	0.00	971.25	810.00	161.25	69.87
J-1347	0.00	970.93	796.00	174.93	75.81
J-1348	0.00	971.09	790.00	181.09	78.47
J-1349	0.00	971.09	764.00	207.09	89.74
J-1350	0.00	971.09	790.00	181.09	78.47
J-1351	0.00	969.56	772.00	197.56	85.61
J-1352	0.00	971.37	823.00	148.37	64.29
J-1353	0.00	969.58	760.00	209.58	90.82
J-1354	0.00	969.58	760.00	209.58	90.82
J-1355	0.00	969.58	760.00	209.58	90.82
J-1356	0.00	969.58	762.00	207.58	89.95
J-1357	0.00	969.51	758.00	211.51	91.65
J-1358	0.00	969.45	760.00	209.45	90.76
J-1359	0.00	969.51	766.00	203.51	88.19
J-1360	0.00	969.45	775.00	194.45	84.26
J-1361	0.00	969.29	804.00	165.29	71.62
J-1363	0.00	969.35	744.00	225.35	97.65
J-1364	0.00	969.35	735.00	234.35	101.55
J-1365	0.00	968.48	669.00	299.48	129.77
J-1366	0.00	968.48	669.00	299.48	129.77
J-1367	0.00	968.48	669.00	299.48	129.77
J-1368	0.00	968.48	669.00	299.48	129.77
J-1369	0.00	968.48	669.00	299.48	129.77
J-1370	0.00	968.48	668.00	300.48	130.21
J-1371	0.00	968.48	675.00	293.48	127.17
J-1372	0.00	968.48	676.00	292.48	126.74
J-1373	0.00	970.97	784.00	186.97	81.02
J-1374	0.00	970.95	814.00	156.95	68.01
J-1375	0.00	970.95	796.00	174.95	75.81
J-1376	0.00	970.95	798.00	172.95	74.95
J-1377	0.00	970.95	796.00	174.95	75.81
J-1378	0.00	970.93	778.00	192.93	83.60
J-1379	0.00	971.71	789.00	182.71	79.17
J-1380	0.00	971.42	813.00	158.42	68.65
J-1381	0.00	972.03	779.00	193.03	83.65
J-1382	0.00	972.16	777.00	195.16	84.57
J-1383	0.00	972.19	794.00	178.19	77.21
J-1384	0.00	972.18	786.00	186.18	80.68
J-1385	0.00	971.89	791.00	180.89	78.39
J-1386	0.00	972.54	768.00	204.54	88.63
J-1387	0.00	972.22	798.00	174.22	75.50
J-1388	0.00	972.54	768.00	204.54	88.63
J-1389	0.00	972.57	765.00	207.57	89.94
J-1390	0.00	972.64	764.00	208.64	90.41
J-1391	0.00	972.50	786.00	186.50	80.82
J-1392	0.00	972.50	793.00	179.50	77.78
J-1393	0.00	972.35	808.00	164.35	71.22
J-1394	0.00	972.35	828.00	144.35	62.55
J-1395	0.00	972.22	798.00	174.22	75.49
J-1396	0.00	972.50	786.00	186.50	80.82
J-1397	0.00	970.53	810.00	160.53	69.56
J-1398	0.00	972.29	824.00	148.29	64.26
J-1399	0.00	969.56	782.00	187.56	81.28
J-1400	0.00	970.88	766.00	204.88	88.78
J-1401	0.00	971.51	785.00	186.51	80.82
J-1402	0.00	971.51	790.00	181.51	78.66
J-1403	0.00	971.85	770.00	201.85	87.47
J-1405	0.00	971.68	785.00	186.68	80.89
J-1406	0.00	971.85	774.00	197.85	85.74
J-1407	0.00	972.15	783.00	189.15	81.96
J-1408	0.00	972.28	788.00	184.28	79.86
J-1409	0.00	972.19	785.00	187.19	81.12

J-1410	0.00	972.20	790.00	182.20	78.95
J-1411	0.00	971.32	766.00	205.32	88.97
J-1412	0.00	971.95	772.00	199.95	86.64
J-1413	0.00	971.88	770.00	201.88	87.48
J-1414	0.00	971.88	757.00	214.88	93.11
J-1415	0.00	972.34	798.00	174.34	75.55
J-1416	0.00	972.32	793.00	179.32	77.71
J-1417	0.00	974.80	762.00	212.80	92.21
J-1418	0.00	974.80	770.00	204.80	88.75
J-1419	0.00	974.80	768.00	206.80	89.61
J-1420	0.00	974.80	756.00	218.80	94.81
J-1421	0.00	974.80	756.00	218.80	94.81
J-1422	0.00	974.80	754.00	220.80	95.68
J-1423	0.00	974.80	777.00	197.80	85.71
J-1424	0.00	974.81	774.00	200.81	87.02
J-1425	0.00	974.84	730.00	244.84	106.10
J-1426	0.00	974.83	750.00	224.83	97.43
J-1427	0.00	974.83	766.00	208.83	90.49
J-1428	0.00	974.83	750.00	224.83	97.43
J-1429	0.00	974.83	699.00	275.83	119.53
J-1430	0.00	974.83	668.00	306.83	132.96
J-1431	0.00	974.84	684.00	290.84	126.03
J-1432	0.00	974.84	645.00	329.84	142.93
J-1433	0.00	974.84	650.00	324.84	140.76
J-1434	0.00	974.84	726.00	248.84	107.83
J-1435	0.00	974.84	724.00	250.84	108.70
J-1436	0.00	974.84	732.00	242.84	105.23
J-1437	0.00	974.84	719.00	255.84	110.86
J-1438	0.00	974.84	722.00	252.84	109.56
J-1439	0.00	974.84	726.00	248.84	107.83
J-1440	0.00	974.84	730.00	244.84	106.10
J-1441	0.00	974.84	718.00	256.84	111.30
J-1442	0.00	974.84	740.00	234.84	101.76
J-1443	0.00	974.84	732.00	242.84	105.23
J-1444	0.00	974.84	719.00	255.84	110.86
J-1445	0.00	974.84	730.00	244.84	106.10
J-1446	0.00	974.84	715.00	259.84	112.60
J-1447	0.00	974.84	710.00	264.84	114.76
J-1448	0.00	974.84	718.00	256.84	111.30
J-1449	0.00	974.84	728.00	246.84	106.96
J-1450	0.00	974.84	726.00	248.84	107.83
J-1451	0.00	974.84	713.00	261.84	113.46
J-1452	0.00	974.84	721.00	253.84	110.00
J-1453	0.00	974.84	689.00	285.84	123.86
J-1454	0.00	974.84	686.00	288.84	125.16
J-1455	0.00	974.84	695.00	279.84	121.26
J-1456	0.00	974.84	676.00	298.84	129.50
J-1457	0.00	974.84	748.00	226.84	98.30
J-1458	0.00	974.84	700.00	274.84	119.10
J-1459	0.00	974.84	744.00	230.84	100.03
J-1460	0.00	974.84	742.00	232.84	100.90
J-1461	0.00	974.84	723.00	251.84	109.13
J-1462	0.00	974.84	684.00	290.84	126.03
J-1463	0.00	974.84	670.00	304.84	132.10
J-1464	0.00	974.84	684.00	290.84	126.03
J-1465	0.00	974.84	729.00	245.84	106.53
J-1466	0.00	974.84	694.00	280.84	121.70
J-1467	0.00	974.85	748.00	226.85	98.30
J-1468	0.00	975.34	664.00	311.34	134.91
J-1469	0.00	975.34	663.00	312.34	135.35
J-1470	0.00	975.34	663.00	312.34	135.35
J-1471	0.00	975.45	698.00	277.45	120.23
J-1472	0.00	975.45	678.00	297.45	128.90
J-1473	0.00	975.36	716.00	259.36	112.39
J-1474	0.00	975.26	748.00	227.26	98.48
J-1475	0.00	975.36	756.00	219.36	95.06
J-1476	0.00	974.84	768.00	206.84	89.63
J-1477	0.00	974.84	745.00	229.84	99.60
J-1478	0.00	974.84	744.00	230.84	100.03
J-1479	0.00	975.27	745.00	230.27	99.78
J-1480	0.00	976.95	657.00	319.95	138.64
J-1481	0.00	975.16	796.00	179.16	77.64
J-1482	0.00	975.02	794.00	181.02	78.44

J-1483	0.00	975.16	714.00	261.16	113.17
J-1484	0.00	974.91	736.00	238.91	103.53
J-1485	0.00	974.91	734.00	240.91	104.39
J-1486	0.00	974.53	726.00	248.53	107.70
J-1487	0.00	974.87	723.00	251.87	109.14
J-1488	0.00	975.31	678.00	297.31	128.83
J-1489	0.00	975.32	702.00	273.32	118.44
J-1490	0.00	974.75	737.00	237.75	103.02
J-1491	0.00	974.76	738.00	236.76	102.60
J-1492	0.00	975.92	690.00	285.92	123.90
J-1493	0.00	974.76	742.00	232.76	100.86
J-1494	0.00	975.92	681.00	294.92	127.80
J-1495	0.00	975.74	686.00	289.74	125.55
J-1496	0.00	974.87	722.00	252.87	109.58
J-1497	0.00	974.87	754.00	220.87	95.71
J-1498	0.00	974.87	733.00	241.87	104.81
J-1499	0.00	974.87	740.00	234.87	101.78
J-1500	0.00	972.20	777.00	195.20	84.59
J-1501	0.00	974.87	747.00	227.87	98.74
J-1502	0.00	974.32	803.00	171.32	74.24
J-1503	0.00	969.63	730.00	239.63	103.84
J-1504	0.00	971.45	788.00	183.45	79.49
J-1505	0.00	971.32	800.00	171.32	74.24
J-1506	0.00	971.36	756.00	215.36	93.32
J-1507	0.00	971.39	746.00	225.39	97.67
J-1508	0.00	970.74	750.00	220.74	95.65
J-1509	0.00	970.96	764.00	206.96	89.68
J-1510	0.00	970.74	740.00	230.74	99.99
J-1511	0.00	971.15	758.00	213.15	92.36
J-1512	0.00	971.21	742.00	229.21	99.33
J-1513	0.00	971.21	735.00	236.21	102.36
J-1514	0.00	971.20	748.00	223.20	96.72
J-1515	0.00	971.32	792.00	179.32	77.71
J-1516	0.00	971.27	780.00	191.27	82.88
J-1517	0.00	971.49	785.00	186.49	80.81
J-1518	0.00	972.87	784.00	188.87	81.84
J-1519	0.00	972.96	775.00	197.96	85.78
J-1520	0.00	972.96	783.00	189.96	82.32
J-1521	0.00	973.04	793.00	180.04	78.02
J-1522	0.00	973.04	793.00	180.04	78.02
J-1523	0.00	973.04	791.00	182.04	78.88
J-1524	0.00	973.04	792.00	181.04	78.45
J-1525	0.00	969.07	776.00	193.07	83.67
J-1526	0.00	973.30	753.00	220.30	95.46
J-1527	0.00	972.95	729.00	243.95	105.71
J-1528	0.00	972.95	743.00	229.95	99.65
J-1529	0.00	972.96	747.00	225.96	97.92
J-1530	0.00	972.99	759.00	213.99	92.73
J-1531	0.00	973.06	768.00	205.06	88.86
J-1532	0.00	972.96	748.00	224.96	97.48
J-1533	0.00	972.97	764.00	208.97	90.55
J-1534	0.00	973.06	766.00	207.06	89.73
J-1535	0.00	973.13	786.00	187.13	81.09
J-1536	0.00	973.13	794.00	179.13	77.62
J-1537	0.00	972.94	744.00	228.94	99.21
J-1538	0.00	974.27	744.00	230.27	99.78
J-1539	0.00	972.94	746.00	226.94	98.34
J-1540	0.00	972.81	778.00	194.81	84.42
J-1541	0.00	972.81	778.00	194.81	84.42
J-1542	0.00	972.98	766.00	206.98	89.69
J-1543	0.00	973.14	749.00	224.14	97.13
J-1544	0.00	972.98	756.00	216.98	94.02
J-1545	0.00	973.82	792.00	181.82	78.79
J-1546	0.00	973.14	754.00	219.14	94.96
J-1547	0.00	973.60	780.00	193.60	83.89
J-1548	0.00	973.60	782.00	191.60	83.03
J-1549	0.00	973.44	776.00	197.44	85.56
J-1550	0.00	973.44	788.00	185.44	80.36
J-1551	0.00	974.80	766.00	208.80	90.48
J-1552	0.00	974.80	760.00	214.80	93.08
J-1553	0.00	974.80	757.00	217.80	94.38
J-1554	0.00	974.80	760.00	214.80	93.08
J-1555	0.00	974.80	756.00	218.80	94.81

J-1556	0.00	974.80	756.00	218.80	94.81
J-1557	0.00	974.82	769.00	205.82	89.19
J-1558	0.00	974.80	752.00	222.80	96.55
J-1559	0.00	974.87	740.00	234.82	101.76
J-1560	0.00	974.72	777.00	197.72	85.68
J-1561	0.00	974.77	770.00	204.77	88.74
J-1562	0.00	974.78	770.00	204.78	88.74
J-1563	0.00	974.78	754.00	220.78	95.67
J-1564	0.00	974.78	764.00	210.78	91.34
J-1565	0.00	972.21	786.00	186.21	80.69
J-1566	0.00	972.26	806.00	166.26	72.05
J-1567	0.00	974.87	763.00	211.87	91.81
J-1568	0.00	972.48	807.00	165.48	71.71
J-1569	0.00	972.48	772.00	200.48	86.88
J-1570	0.00	972.52	780.00	192.52	83.42
J-1571	0.00	972.52	778.00	194.52	84.29
J-1572	0.00	972.52	745.00	227.52	98.59
J-1573	0.00	972.52	804.00	168.52	73.02
J-1574	0.00	972.64	776.00	196.64	85.21
J-1575	0.00	972.48	724.00	248.48	107.68
J-1576	0.00	974.87	735.00	239.87	103.94
J-1577	0.00	973.43	784.00	189.43	82.09
J-1578	0.00	968.05	785.00	183.05	79.32
J-1579	0.00	968.24	784.00	184.24	79.84
J-1580	0.00	968.25	760.00	208.25	90.24
J-1581	0.00	968.18	768.00	200.18	86.75
J-1582	0.00	968.19	764.00	204.19	88.48
J-1583	0.00	968.42	758.00	210.42	91.18
J-1584	0.00	968.25	768.00	200.25	86.78
J-1585	0.00	968.05	808.00	160.05	69.36
J-1586	0.00	967.80	780.00	187.80	81.38
J-1587	0.00	966.20	776.00	190.20	82.42
J-1588	0.00	966.20	769.00	197.20	85.45
J-1589	0.00	966.20	763.00	203.20	88.05
J-1590	0.00	966.20	758.00	208.20	90.22
J-1591	0.00	966.20	754.00	212.20	91.95
J-1592	0.00	966.20	755.00	211.20	91.52
J-1593	0.00	966.20	751.00	215.20	93.25
J-1594	0.00	966.20	767.00	199.20	86.32
J-1595	0.00	966.20	756.00	210.20	91.09
J-1596	0.00	966.20	777.00	189.20	81.99
J-1597	0.00	966.89	810.00	156.89	67.98
J-1598	0.00	966.75	809.00	157.75	68.36
J-1599	0.00	966.45	764.00	202.45	87.73
J-1600	0.00	968.20	760.00	208.20	90.22
J-1601	0.00	945.07	758.00	187.07	81.06
J-1602	PM MM1 450.00	938.23	725.00	213.23	92.40
J-1603	0.00	947.27	770.00	177.27	76.81
J-1604	0.00	947.27	772.00	175.27	75.95
J-1605	0.00	947.73	801.00	146.73	63.58
J-1606	0.00	949.73	798.00	151.73	65.75
J-1607	0.00	946.75	756.00	190.75	82.66
J-1608	0.00	953.34	784.00	169.34	73.38
J-1609	0.00	953.34	772.00	181.34	78.58
J-1610	0.00	953.34	754.00	199.34	86.38
J-1611	0.00	955.55	761.00	194.55	84.31
J-1612	0.00	955.55	756.00	199.55	86.47
J-1613	0.00	955.55	768.00	187.55	81.27
J-1614	0.00	955.55	759.00	196.55	85.17
J-1615	0.00	961.57	770.00	191.57	83.01
J-1616	0.00	961.57	744.00	217.57	94.28
J-1617	0.00	961.57	720.00	241.57	104.68
J-1618	0.00	961.57	737.00	224.57	97.31
J-1619	0.00	968.75	732.00	236.75	102.59
J-1620	0.00	968.75	733.00	235.75	102.16
J-1621	0.00	968.75	734.00	234.75	101.73
J-1622	0.00	968.75	738.00	230.75	99.99
J-1623	0.00	968.75	746.00	222.75	96.53
J-1624	0.00	969.29	731.00	238.29	103.26
J-1625	0.00	968.75	734.00	234.75	101.73
J-1626	0.00	969.17	720.00	249.17	107.98
J-1627	0.00	969.29	705.00	264.29	114.52
J-1628	0.00	968.65	730.00	238.65	103.41

J-1629	0.00	968.75	737.00	231.75	100.42
J-1630	0.00	968.79	732.00	236.79	102.61
J-1631	0.00	968.45	754.00	214.45	92.93
J-1632	0.00	968.91	730.00	238.91	103.53
J-1633	0.00	968.89	732.00	236.89	102.65
J-1634	0.00	968.89	771.00	197.89	85.75
J-1635	0.00	969.17	707.00	262.17	113.61
J-1636	0.00	969.09	730.00	239.09	103.61
J-1637	0.00	969.09	736.00	233.09	101.01
J-1638	0.00	968.93	730.00	238.93	103.53
J-1639	0.00	968.93	740.00	228.93	99.20
J-1640	0.00	968.44	747.00	221.44	95.96
J-1641	0.00	969.22	755.00	214.22	92.83
J-1642	0.00	968.44	747.00	221.44	95.96
J-1643	0.00	967.47	783.00	184.47	79.94
J-1644	0.00	969.03	733.00	236.03	102.28
J-1645	0.00	968.85	740.00	228.85	99.17
J-1646	0.00	967.14	804.00	163.14	70.69
J-1647	0.00	967.01	794.00	173.01	74.97
J-1648	0.00	966.75	809.00	157.75	68.36
J-1649	0.00	967.00	781.00	186.00	80.60
J-1650	0.00	967.00	766.00	201.00	87.10
J-1651	0.00	965.52	767.00	198.52	86.02
J-1652	0.00	966.13	778.00	188.13	81.52
J-1653	0.00	968.05	774.00	194.05	84.09
J-1654	0.00	968.05	787.00	181.05	78.46
J-1655	0.00	968.45	764.00	204.45	88.59
J-1656	0.00	968.05	778.00	190.05	82.36
J-1657	0.00	968.45	790.00	178.45	77.33
J-1658	0.00	968.64	756.00	212.64	92.15
J-1659	0.00	968.45	798.00	170.45	73.86
J-1660	0.00	968.59	752.00	216.59	93.85
J-1661	0.00	968.45	780.00	188.45	81.66
J-1662	0.00	968.69	758.00	210.69	91.30
J-1663	0.00	968.83	741.00	227.83	98.73
J-1664	0.00	968.79	737.00	231.79	100.44
J-1665	0.00	968.79	780.00	188.79	81.81
J-1666	0.00	968.79	768.00	200.79	87.01
J-1667	0.00	968.83	734.00	234.83	101.76
J-1668	0.00	968.83	733.00	235.83	102.19
J-1669	0.00	968.81	760.00	208.81	90.48
J-1670	0.00	968.78	757.00	211.78	91.77
J-1671	0.00	968.81	738.00	230.81	100.02
J-1672	0.00	968.81	743.00	225.81	97.85
J-1673	0.00	968.69	760.00	208.69	90.43
J-1674	0.00	968.77	747.00	221.77	96.10
J-1675	0.00	968.62	754.00	214.62	93.00
J-1676	0.00	968.88	741.00	227.88	98.75
J-1677	0.00	968.72	727.00	241.72	104.75
J-1678	0.00	968.79	734.00	234.79	101.74
J-1679	0.00	968.82	742.00	226.82	98.29
J-1680	0.00	968.90	746.00	222.90	96.59
J-1681	0.00	968.81	739.00	229.81	99.58
J-1682	0.00	968.86	746.00	222.86	96.57
J-1683	0.00	968.96	752.00	216.96	94.01
J-1684	0.00	968.94	745.00	223.94	97.04
J-1685	0.00	968.94	729.00	239.94	103.97
J-1686	0.00	968.94	770.00	198.94	86.21
J-1687	0.00	968.94	752.00	216.94	94.01
J-1688	0.00	968.94	748.00	220.94	95.74
J-1689	0.00	968.94	746.00	222.94	96.61
J-1690	0.00	968.94	751.00	217.94	94.44
J-1691	0.00	968.83	745.00	223.83	96.99
J-1692	0.00	968.93	792.00	176.93	76.67
J-1693	0.00	968.90	733.00	235.90	102.22
J-1694	0.00	968.90	750.00	218.90	94.86
J-1695	0.00	968.93	744.00	224.93	97.47
J-1696	0.00	968.91	745.00	223.91	97.03
J-1697	0.00	968.92	760.00	208.92	90.53
J-1698	0.00	968.92	762.00	206.92	89.67
J-1699	0.00	968.92	741.00	227.92	98.77
J-1700	0.00	968.95	762.00	206.95	89.68
J-1701	0.00	969.01	716.00	253.01	109.64

J-1703	0.00	968.97	736.00	232.97	100.95
J-1703	0.00	969.16	712.00	257.16	111.44
J-1704	0.00	969.16	716.00	253.16	109.70
J-1705	0.00	969.21	728.00	241.21	104.50
J-1706	0.00	969.21	723.00	246.21	106.69
J-1707	0.00	969.21	744.00	225.21	97.59
J-1708	0.00	969.21	738.00	231.21	100.19
J-1709	0.00	969.21	742.00	227.21	98.46
J-1710	0.00	969.21	750.00	219.21	94.99
J-1711	0.00	969.21	736.00	233.21	101.06
J-1712	0.00	969.20	724.00	245.20	106.25
J-1713	0.00	969.24	760.00	209.24	90.67
J-1714	0.00	969.27	768.00	201.27	87.22
J-1715	0.00	968.93	742.00	226.93	98.34
J-1716	0.00	968.93	774.00	194.93	84.47
J-1717	0.00	968.93	766.00	202.93	87.94
J-1718	0.00	968.93	792.00	176.93	76.67
J-1719	0.00	968.59	780.00	188.59	81.72
J-1720	0.00	968.93	784.00	184.93	80.14
J-1721	0.00	968.05	769.00	199.05	86.26
J-1722	0.00	968.93	745.00	223.93	97.04
J-1723	0.00	968.05	803.00	165.05	71.52
J-1724	0.00	968.05	760.00	208.05	90.16
J-1725	0.00	968.05	799.00	169.05	73.26
J-1726	0.00	943.94	580.00	363.94	157.71
J-1727	0.00	968.94	776.00	192.94	83.61
J-1728	0.00	943.94	637.00	306.94	133.01
J-1729	0.00	943.94	610.00	333.94	144.71
J-1730	0.00	943.94	610.00	333.94	144.71
J-1731	0.00	968.64	798.00	170.64	73.95
J-1732	0.00	943.94	637.00	306.94	133.01
J-1733	0.00	943.94	618.00	325.94	141.24
J-1734	0.00	943.94	640.00	303.94	131.71
J-1735	0.00	943.94	645.00	298.94	129.54
J-1736	0.00	943.94	645.00	298.94	129.54
J-1737	0.00	943.94	650.00	293.94	127.37
J-1738	0.00	943.94	650.00	293.94	127.37
J-1739	0.00	943.94	645.00	298.94	129.54
J-1740	0.00	943.94	662.00	281.94	122.17
J-1741	0.00	943.94	632.00	311.94	135.17
J-1742	0.00	943.94	707.00	236.94	102.67
J-1743	0.00	943.94	642.00	301.94	130.84
J-1747	0.00	973.22	761.00	212.22	91.96
J-1748	0.00	968.49	833.00	135.49	58.71
J-1749	0.00	968.47	838.00	130.47	56.54
J-1752	0.00	967.94	814.00	153.94	66.71
J-1758	0.00	969.06	794.00	175.06	75.86
J-1760	0.00	969.06	806.00	163.06	70.66
J-1761	0.00	969.06	826.00	143.06	61.99
J-1762	0.00	969.04	784.00	185.04	80.18
J-1763	0.00	969.06	834.00	135.06	58.53
J-1764	0.00	945.57	754.00	191.57	83.01
J-1768	0.00	967.73	774.00	193.73	83.95
J-1769	0.00	943.94	714.00	229.94	99.64
J-1770	0.00	943.74	752.00	191.74	83.09
J-1771	0.00	942.67	749.00	193.67	83.92
J-1773	0.00	944.51	758.00	186.51	80.82
J-1776	0.00	974.87	766.00	208.87	90.51
J-1777	0.00	974.87	760.00	214.87	93.11
J-1778	0.00	968.44	775.00	193.44	83.83
J-1779	0.00	970.11	824.00	146.11	63.32
J-1780	0.00	968.44	810.00	158.44	68.66
J-1781	0.00	968.44	840.00	128.44	55.66
J-1782	0.00	968.44	840.00	128.44	55.66
J-1783	0.00	968.44	739.00	229.44	99.42
J-1784	0.00	968.44	860.00	108.44	46.99
J-1785	0.00	969.58	769.00	200.58	86.92
J-1786	0.00	968.44	775.00	193.44	83.82
J-1787	0.00	968.55	835.00	133.55	57.87
J-1788	0.00	968.88	870.00	98.88	42.85
J-1789	0.00	982.28	510.00	472.28	204.66
J-1790	0.00	968.65	765.00	203.65	88.25
J-1792	0.00	968.44	837.00	131.44	56.96

J-1793	0.00	968.44	851.00	117.44	50.89
J-1803	0.00	967.79	772.00	195.79	84.84
J-1809	0.00	996.98	535.00	461.98	200.19
J-1810	0.00	997.00	535.00	462.00	200.20
J-1811	0.00	997.00	535.00	462.00	200.20
J-1814	0.00	945.80	738.00	207.80	90.05
J-1815	0.00	997.00	535.00	462.00	200.20
J-1817	0.00	802.09	738.00	64.09	27.77
J-1818	0.00	802.09	738.00	64.09	27.77
J-1825	0.00	969.61	778.00	191.61	83.03
J-1826	0.00	969.21	679.00	290.21	125.76
J-1827	0.00	969.21	680.00	289.21	125.32
J-1828	0.00	969.40	752.00	217.40	94.21
J-1829	0.00	969.58	774.00	195.58	84.75
J-183	0.00	976.95	658.00	318.95	138.21
J-1833	0.00	996.24	528.00	468.24	202.90
J-1834	50.00	996.15	510.00	486.15	210.67
J-1836	0.00	968.55	840.00	128.55	55.70
J-1838	0.00	968.55	815.00	153.55	66.54
J-1839	0.00	967.79	788.00	179.79	77.91
J-1841	0.00	967.79	804.00	163.79	70.98
J-1842	0.00	967.79	798.00	169.79	73.58
J-1843	0.00	967.79	770.00	197.79	85.71
J-1845	0.00	967.79	780.00	187.79	81.38
J-1846	0.00	967.79	762.00	205.79	89.18
J-1847	0.00	967.79	800.00	167.79	72.71
J-1848	0.00	967.79	782.00	185.79	80.51
J-1849	0.00	967.79	790.00	177.79	77.04
J-1850	0.00	967.79	764.00	203.79	88.31
J-1851	0.00	967.79	788.00	179.79	77.91
J-1852	0.00	968.53	842.00	126.53	54.83
J-1853	0.00	967.76	792.00	175.76	76.16
J-1854	0.00	967.82	797.00	170.82	74.02
J-1855	0.00	968.48	830.00	138.48	60.01
J-1856	0.00	968.47	833.00	135.47	58.70
J-1857	0.00	967.42	710.00	257.42	111.55
J-1858	0.00	968.06	798.00	170.06	73.69
J-1859	0.00	971.98	776.00	195.98	84.92
J-1860	0.00	979.73	825.00	154.73	67.05
J-1861	0.00	967.42	737.00	230.42	99.85
J-1862	0.00	970.87	818.00	152.87	66.24
J-1863	0.00	979.73	810.00	169.73	73.55
J-1864	0.00	970.89	801.00	169.89	73.62
J-1865	0.00	979.73	800.00	179.73	77.88
J-1867	0.00	979.73	795.00	184.73	80.05
J-1888	0.00	967.79	764.00	203.79	88.31
J-1889	0.00	967.79	794.00	173.79	75.31
J-1892	0.00	967.73	764.00	203.73	88.28
J-1909	0.00	967.82	794.00	173.82	75.32
J-1911	0.00	967.82	794.00	173.82	75.32
J-1914	0.00	969.21	698.00	271.21	117.52
J-1915	0.00	969.64	769.00	200.64	86.94
J-1916	0.00	968.17	798.00	170.17	73.74
J-1917	0.00	968.17	799.00	169.17	73.31
J-1918	0.00	973.84	792.00	181.84	78.80
J-1919	0.00	967.72	746.00	221.72	96.08
J-1920	0.00	973.84	792.00	181.84	78.80
J-1921	0.00	967.70	779.00	188.70	81.77
J-1922	0.00	967.72	748.00	219.72	95.21
J-1923	0.00	967.75	784.00	183.75	79.63
J-1924	0.00	967.77	816.00	151.77	65.77
J-1925	0.00	967.76	761.00	206.76	89.59
J-1926	0.00	974.56	720.00	254.56	110.31
J-1927	0.00	967.76	768.00	199.76	86.56
J-1928	0.00	967.83	724.00	243.83	105.66
J-1929	0.00	967.75	817.00	150.75	65.32
J-1930	0.00	967.82	748.00	219.82	95.26
J-1931	0.00	967.82	761.00	206.82	89.62
J-1932	0.00	967.79	785.00	182.79	79.21
J-1933	0.00	967.79	785.00	182.79	79.21
J-1935	0.00	967.79	774.00	193.79	83.98
J-1937	0.00	975.26	747.00	228.26	98.91
J-1939	0.00	967.95	810.00	157.95	68.45

J-1940	0.00	975.20	795.00	180.20	78.09
J-1977	0.00	974.83	715.00	259.83	112.59
J-1980	0.00	974.75	740.00	234.75	101.73
J-1981	0.00	974.75	766.00	208.75	90.16
J-1982	0.00	974.77	754.00	220.77	95.67
J-1983	0.00	975.26	782.00	193.26	83.75
J-1984	0.00	974.72	752.00	222.72	96.51
J-1985	0.00	976.95	676.00	300.95	130.41
J-1986	0.00	976.95	696.00	280.95	121.74
J-1988	0.00	943.94	640.00	303.94	131.71
J-1989	0.00	968.62	754.00	214.62	93.00
J-1990	0.00	970.36	749.00	221.36	95.92
J-1991	0.00	970.28	734.00	236.28	102.39
J-1992	0.00	974.87	735.00	239.87	103.94
J-1993	0.00	972.13	818.00	154.13	66.79
J-1994	0.00	943.94	640.00	303.94	131.71
J-1995	0.00	968.94	760.00	208.94	90.54
J-1996	0.00	969.26	748.00	221.26	95.88
J-1997	0.00	969.26	755.00	214.26	92.85
J-1998	0.00	969.26	757.00	212.26	91.98
J-1999	0.00	969.26	757.00	212.26	91.98
J-2000	0.00	969.80	743.00	226.80	98.28
J-2001	0.00	969.29	778.00	191.29	82.89
J-2002	0.00	969.80	755.00	214.80	93.08
J-2004	0.00	967.73	780.00	187.73	81.35
J-2005	0.00	967.73	771.00	196.73	85.25
J-2006	0.00	967.73	772.00	195.73	84.82
J-2007	0.00	967.73	762.00	205.73	89.15
J-2008	0.00	967.73	772.00	195.73	84.82
J-2022	0.00	943.94	645.00	298.94	129.54
J-2024	0.00	943.94	720.00	223.94	97.04
J-2026	0.00	943.94	640.00	303.94	131.71
J-2030	0.00	968.20	826.00	142.20	61.62
J-2031	0.00	968.20	820.00	148.20	64.22
J-2032	0.00	968.21	835.00	133.21	57.72
J-2033	0.00	968.17	820.00	148.17	64.21
J-2034	0.00	968.20	830.00	138.20	59.89
J-2035	0.00	968.20	826.00	142.20	61.62
J-2036	0.00	968.20	814.00	154.20	66.82
J-2037	0.00	968.20	835.00	133.20	57.72
J-2038	0.00	976.95	722.00	254.95	110.48
J-2039	0.00	974.84	697.00	277.84	120.40
J-2041	0.00	968.44	850.00	118.44	51.32
J-2042	0.00	974.84	687.00	287.84	124.73
J-2044	0.00	973.68	778.00	195.68	84.80
J-2045	0.00	974.12	798.00	176.12	76.32
J-2046	0.00	973.97	788.00	185.97	80.59
J-2047	0.00	973.82	778.00	195.82	84.86
J-2062	0.00	969.30	731.00	238.30	103.26
J-2063	0.00	943.94	686.00	257.94	111.77
J-2066	0.00	976.95	684.00	292.95	126.94
J-2075	0.00	975.60	684.00	291.60	126.36
J-2076	0.00	974.87	754.00	220.87	95.71
J-2080	0.00	974.87	766.00	208.87	90.51
J-2081	0.00	974.87	755.00	219.87	95.28
J-2082	0.00	974.87	753.00	221.87	96.14
J-2083	0.00	974.87	737.00	237.87	103.08
J-2084	0.00	974.87	737.00	237.87	103.08
J-2085	0.00	968.26	763.00	205.26	88.95
J-2086	0.00	968.26	784.00	184.26	79.85
J-2088	0.00	968.26	773.00	195.26	84.61
J-2089	0.00	968.44	781.00	187.44	81.23
J-2090	0.00	967.76	773.00	194.76	84.39
J-2092	0.00	967.76	788.00	179.76	77.89
J-2108	0.00	970.08	753.00	217.08	94.07
J-2109	0.00	974.83	726.00	248.83	107.83
J-2110	0.00	970.13	764.00	206.13	89.32
J-2111	0.00	974.83	724.00	250.83	108.69
J-2131	0.00	971.76	761.00	210.76	91.33
J-2132	0.00	970.71	803.00	167.71	72.67
J-2133	0.00	971.63	762.00	209.63	90.84
J-2144	0.00	972.18	793.00	179.18	77.64
J-250	0.00	943.94	650.00	293.94	127.37

J-173	0.00	968.44	850.00	118.44	51.32
J-178	0.00	943.94	675.00	268.94	116.54
J-381	0.00	970.42	796.00	174.42	75.58
J-412	0.00	967.73	810.00	157.73	68.35
J-414	0.00	968.31	767.00	201.31	87.24
J-481	0.00	967.73	780.00	187.73	81.35
J-484	0.00	967.73	810.00	157.73	68.35
J-674	0.00	969.29	798.00	171.29	74.22
J-718	0.00	967.94	816.00	151.94	65.84
J-722	0.00	982.28	555.00	427.28	185.16
J-736	0.00	968.44	755.00	213.44	92.49
J-737	0.00	974.84	677.00	297.84	129.06
J-738	0.00	974.69	792.00	182.69	79.16
J-739	0.00	974.84	788.00	186.84	80.97
J-740	0.00	974.86	788.00	186.86	80.97
J-741	0.00	975.05	796.00	179.05	77.59
J-742	0.00	975.75	675.00	300.75	130.33
J-743	0.00	975.76	675.00	300.76	130.33
J-744	0.00	976.23	667.00	309.23	134.00
J-745	0.00	976.38	667.00	309.38	134.07
J-746	0.00	976.95	720.00	256.95	111.34
J-747	0.00	976.95	708.00	268.95	116.54
J-748	0.00	976.95	722.00	254.95	110.48
J-749	0.00	976.95	720.00	256.95	111.34
J-750	0.00	976.95	732.00	244.95	106.14
J-751	0.00	976.95	776.00	200.95	87.08
J-752	0.00	976.95	700.00	276.95	120.01
J-753	0.00	976.95	708.00	268.95	116.54
J-754	0.00	976.95	705.00	271.95	117.84
J-755	0.00	976.95	762.00	214.95	93.14
J-756	0.00	976.95	765.00	211.95	91.84
J-757	0.00	976.95	725.00	251.95	109.18
J-758	0.00	976.95	666.00	310.95	134.74
J-759	0.00	976.95	720.00	256.95	111.34
J-760	0.00	976.95	692.00	284.95	123.48
J-761	0.00	976.95	692.00	284.95	123.48
J-762	0.00	971.61	789.00	182.61	79.13
J-763	0.00	971.01	830.00	141.01	61.10
J-764	0.00	971.01	812.00	159.01	68.90
J-765	0.00	970.38	764.00	206.38	89.43
J-766	0.00	970.92	845.00	125.92	54.57
J-767	0.00	970.48	776.00	194.48	84.27
J-768	0.00	970.38	765.00	205.38	89.00
J-769	0.00	969.27	744.00	225.27	97.62
J-770	0.00	969.86	752.00	217.86	94.41
J-771	0.00	967.66	806.00	161.66	70.05
J-772	0.00	967.89	794.00	173.89	75.35
J-773	0.00	967.73	774.00	193.73	83.95
J-774	0.00	966.23	811.00	155.23	67.27
J-775	0.00	967.17	786.00	181.17	78.51
J-776	0.00	969.11	847.00	122.11	52.91
J-777	0.00	967.38	804.00	163.38	70.80
J-778	0.00	967.38	821.00	146.38	63.43
J-779	0.00	967.38	820.00	147.38	63.87
J-780	0.00	967.71	794.00	173.71	75.28
J-782	0.00	968.13	787.00	181.13	78.49
J-784	0.00	968.13	757.00	211.13	91.49
J-786	0.00	967.89	797.00	170.89	74.05
J-787	0.00	967.89	794.00	173.89	75.35
J-788	0.00	967.89	755.00	212.89	92.25
J-789	0.00	967.89	756.00	211.89	91.82
J-790	0.00	967.89	772.00	195.89	84.89
J-791	0.00	967.89	787.00	180.89	78.39
J-792	0.00	967.89	763.00	204.89	88.79
J-793	0.00	967.89	752.00	215.89	93.55
J-794	0.00	967.89	759.00	208.89	90.52
J-795	0.00	967.89	754.00	213.89	92.69
J-796	0.00	967.89	755.00	212.89	92.25
J-797	0.00	967.89	748.00	219.89	95.29
J-798	0.00	967.89	741.00	226.89	98.32
J-799	0.00	967.70	766.00	201.70	87.40
J-800	0.00	967.89	747.00	220.89	95.72
J-802	0.00	967.70	808.00	159.70	69.20

J-803	0.00	967.70	830.00	137.70	59.67
J-804	0.00	967.72	816.00	151.72	65.74
J-805	0.00	969.01	779.00	190.01	82.34
J-806	0.00	968.14	764.00	204.14	88.46
J-807	0.00	969.01	773.00	196.01	84.94
J-808	0.00	969.01	768.00	201.01	87.10
J-811	0.00	969.03	772.00	197.03	85.38
J-812	0.00	969.06	800.00	169.06	73.26
J-813	0.00	969.41	758.00	211.41	91.61
J-814	0.00	967.72	814.00	153.72	66.61
J-815	0.00	969.05	786.00	183.05	79.32
J-816	0.00	967.72	804.00	163.72	70.94
J-817	0.00	967.72	789.00	178.72	77.44
J-818	0.00	967.72	798.00	169.72	73.54
J-819	0.00	967.72	793.00	174.72	75.71
J-820	0.00	967.72	796.00	171.72	74.41
J-821	0.00	967.72	810.00	157.72	68.34
J-822	0.00	967.72	808.00	159.72	69.21
J-823	0.00	967.72	828.00	139.72	60.55
J-824	0.00	967.72	800.00	167.72	72.68
J-825	0.00	967.72	800.00	167.72	72.68
J-826	0.00	967.73	793.00	174.73	75.72
J-827	0.00	967.73	797.00	170.73	73.98
J-828	0.00	967.73	813.00	154.73	67.05
J-829	0.00	967.73	773.00	194.73	84.38
J-830	0.00	967.73	792.00	175.73	76.15
J-831	0.00	967.73	772.00	195.73	84.82
J-832	0.00	967.73	793.00	174.73	75.72
J-833	0.00	967.73	813.00	154.73	67.05
J-834	0.00	967.73	800.00	167.73	72.68
J-835	0.00	967.73	802.00	165.73	71.82
J-836	0.00	967.74	785.00	182.74	79.19
J-837	0.00	967.73	773.00	194.73	84.38
J-838	0.00	967.73	812.00	155.73	67.48
J-839	0.00	967.76	792.00	175.76	76.16
J-840	0.00	973.09	853.00	120.09	52.04
J-841	0.00	974.27	857.00	117.27	50.82
J-842	0.00	973.11	812.00	161.11	69.81
J-843	0.00	973.11	830.00	143.11	62.01
J-844	0.00	973.11	810.00	163.11	70.68
J-845	0.00	973.11	834.00	139.11	60.28
J-846	0.00	973.41	864.00	109.41	47.41
J-847	0.00	973.41	842.00	131.41	56.94
J-848	0.00	973.29	831.00	142.29	61.66
J-849	0.00	973.29	842.00	131.29	56.89
J-850	0.00	973.11	793.00	180.11	78.05
J-851	0.00	973.11	835.00	138.11	59.85
J-852	0.00	973.43	840.00	133.43	57.82
J-853	0.00	973.11	824.00	149.11	64.62
J-854	0.00	973.60	832.00	141.60	61.36
J-855	0.00	970.78	794.00	176.78	76.61
J-856	0.00	970.69	789.00	181.69	78.73
J-857	0.00	970.21	796.00	174.21	75.49
J-858	0.00	970.71	785.00	185.71	80.47
J-859	0.00	970.21	774.00	196.21	85.02
J-861	0.00	969.77	827.00	142.77	61.87
J-862	0.00	968.85	762.00	206.85	89.63
J-863	0.00	968.84	761.00	207.84	90.06
J-864	0.00	969.06	820.00	149.06	64.59
J-865	0.00	969.51	825.00	144.51	62.62
J-866	0.00	969.06	842.00	127.06	55.06
J-891	0.00	801.54	560.00	241.54	104.67
J-904	0.00	969.04	793.00	176.04	76.28
J-907	0.00	968.44	835.00	133.44	57.82
J-915	0.00	970.53	805.00	165.53	71.73
J-917	0.00	970.53	843.00	127.53	55.26
J-918	0.00	970.53	843.00	127.53	55.26
J-919	0.00	970.53	841.00	129.53	56.13
J-920	0.00	970.53	865.00	105.53	45.73
J-921	0.00	970.53	760.00	210.53	91.23
J-922	0.00	967.79	786.00	181.79	78.78
J-924	0.00	801.54	539.00	262.54	113.77
J-926	0.00	977.25	843.00	134.25	58.18

J-927	0.00	967.82	764.00	203.82	88.32	
J-928	0.00	967.82	764.00	203.82	88.32	
J-929	0.00	967.82	770.00	197.82	85.72	
J-930	0.00	967.82	795.00	172.82	74.89	
J-931	0.00	967.82	786.00	181.82	78.79	
J-932	0.00	967.82	808.00	159.82	69.26	
J-933	0.00	967.82	806.00	161.82	70.12	
J-934	0.00	967.82	781.00	186.82	80.96	
J-935	0.00	967.82	775.00	192.82	83.56	
J-936	0.00	967.82	780.00	187.82	81.39	
J-937	0.00	967.82	790.00	177.82	77.06	
J-938	0.00	967.82	765.00	202.82	87.89	
J-939	0.00	967.82	775.00	192.82	83.56	
J-940	0.00	967.82	782.00	185.82	80.52	
J-941	0.00	967.82	770.00	197.82	85.72	
J-942	0.00	967.82	774.00	193.82	83.99	
J-943	0.00	967.82	785.00	182.82	79.22	
J-944	0.00	967.82	789.00	178.82	77.49	
J-945	0.00	967.82	772.00	195.82	84.86	
J-946	0.00	968.70	815.00	153.70	66.60	
J-947	0.00	967.82	792.00	175.82	76.19	
J-949	0.00	967.80	782.00	185.80	80.51	
J-950	0.00	968.70	833.00	135.70	58.80	
J-951	0.00	968.44	850.00	118.44	51.32	
J-952	0.00	968.44	790.00	178.44	77.32	
J-953	0.00	968.44	780.00	188.44	81.66	
J-954	0.00	968.44	825.00	143.44	62.16	
J-955	0.00	968.44	845.00	123.44	53.49	
J-956	0.00	968.39	830.00	138.39	59.97	
J-957	0.00	968.44	830.00	138.44	59.99	
J-958	0.00	968.39	830.00	138.39	59.97	
J-959	0.00	968.31	820.00	148.31	64.27	
J-960	0.00	968.31	822.00	146.31	63.40	
J-961	0.00	967.97	780.00	187.97	81.45	
J-962	0.00	968.02	802.00	166.02	71.94	
J-963	0.00	967.99	792.00	175.99	76.26	
J-964	0.00	968.02	788.00	180.02	78.01	
J-965	0.00	968.05	800.00	168.05	72.82	
J-966	0.00	968.05	798.00	170.05	73.69	
J-967	0.00	968.05	798.00	170.05	73.69	
J-968	0.00	968.04	805.00	163.04	70.65	
J-969	0.00	968.04	798.00	170.04	73.68	
J-970	0.00	968.03	804.00	164.03	71.08	
J-971	0.00	968.03	793.00	175.03	75.85	
J-972	0.00	968.41	833.00	135.41	58.68	
J-973	0.00	968.37	822.00	146.37	63.43	
J-974	0.00	968.09	800.00	168.09	72.84	
J-975	0.00	968.23	792.00	176.23	76.37	
J-976	0.00	968.37	794.00	174.37	75.56	
J-977	0.00	968.23	788.00	180.23	78.10	
J-978	0.00	971.85	786.00	185.85	80.54	
J-979	0.00	968.09	810.00	158.09	68.50	
J-980	0.00	968.09	812.00	156.09	67.64	
J-981	0.00	968.09	806.00	162.09	70.24	
J-982	0.00	968.09	812.00	156.09	67.64	
J-983	0.00	968.44	820.00	148.44	64.32	
J-984	0.00	968.13	811.00	157.13	68.09	
J-985	0.00	968.13	810.00	158.13	68.52	
J-986	0.00	968.13	818.00	150.13	65.06	
J-987	0.00	968.13	810.00	158.13	68.52	
J-988	0.00	968.31	814.00	154.31	66.87	
J-989	0.00	968.13	807.00	161.13	69.82	
J-990	0.00	968.13	790.00	178.13	77.19	
J-991	0.00	968.13	837.00	131.13	56.82	
J-992	0.00	968.13	808.00	160.13	69.39	
J-993	0.00	968.13	816.00	152.13	65.92	
J-994	0.00	973.47	771.00	202.47	87.74	
J-995	0.00	968.13	822.00	146.13	63.32	
J-996	0.00	968.13	823.00	145.13	62.89	
J-997	0.00	968.13	822.00	146.13	63.32	
J-998	0.00	968.13	825.00	143.13	62.02	
J-999	0.00	968.13	836.00	132.13	57.26	
I-P-EF1	Sullivan Pum	0.00	804.33	535.00	269.33	116.71

1-Pump-2		0.00	804.76	535.00	269.76	116.90
1-Pump-3		0.00	804.77	535.00	269.77	116.90
0-RV-1		----	801.54	510.00	291.54	126.33
1-RV-1		0.00	970.53	760.00	210.53	91.23
1-RV-6		0.00	968.94	747.00	221.94	96.17
T-Con	Sullivan Tan	----	968.96	845.00	123.96	53.72
T-Tot	Taylor Tot T	----	966.16	814.00	152.16	65.94

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REGULATING VALVE REPORT

VALVE LABEL	VALVE TYPE	VALVE SETTING (psi or gpm)	VALVE STATUS	UPSTREAM PRESSURE (psi)	DOWNSTREAM PRESSURE (psi)	THROUGH FLOW (gpm)
RV-1	PRV-1	120.00	CLOSED	204.66	126.33	0.00
RV-2	PRV-1	18.00	ACTIVATED	91.23	18.00	0.00
RV-3	PRV-1	50.00	WIDE OPEN	194.35	194.35	0.00
RV-4	PRV-1	50.00	WIDE OPEN	94.68	94.68	0.00
RV-5	PRV-1	50.00	WIDE OPEN	151.02	151.02	0.00
RV-6	PRV-1	52.00	CLOSED	96.17	85.34	0.00
RV-7	PRV-1	30.00	WIDE OPEN	170.52	170.52	0.00

SUMMARY OF INFLOWS AND OUTFLOWS

(+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
 (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

NODE NAME	FLOWRATE (gpm)	NODE TITLE
Pump-HS2	6288.02	
Pump-HS3	6148.37	WTP High Ser
T-127	-1024.05	US127 Tank
T-Con	-2769.74	Sullivan Tan
T-Hahn	-1361.90	Hahn Tank
T-Res	-2773.04	Reservoir
T-Rose	0.00	Rose Tank
T-Tot	-1661.65	Taylor Tot T

NET SYSTEM INFLOW = 12436.38
 NET SYSTEM OUTFLOW = -9590.38
 NET SYSTEM DEMAND = 2846.00

***** HYDRAULIC ANALYSIS COMPLETED *****