

Daily System Generation Summary on Tuesday

Tuesday, March 26, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	2,391 MW
Distillate	0 MW
Total TNB	2,391 MW
Total IPP	16,827 MW
Total Co-Gen	83 MW
Total System	22,380 MW

Generation Mix

Type	MWh	Percentage
Hydro	6,678	1.76 %
Gas	49,023	12.89 %
Total TNB	55,701	14.65 %
ST-Coal	216,718	56.99 %
LSS	1,749	0.46 %
Gas	105,205	27.67 %
Total IPP	323,672	85.12 %
Co-Gen	1,900	0.50 %
Total Co-Gen	1,900	0.50 %
Total Generation	381,273	100.27 %
PLTG	296	0.08 %
HVDC	719	0.19 %
Interconnection	1,015	0.27 %
Net Energy	380,258	100.00 %

Maximum Demand Record

Date: 3/19/2019	18,402 MW
Date: 3/20/2019	390,048 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	16:30:00 Hour
Total Set On Bus	19,566 MW
TNB Generation	3,212 MW
IPP Generation	14,999 MW
Spinning Reserve	1,277 MW
Maximum Demand	18,233 MW
Net Energy	380,258 MWH
Load Factor	86.90 %

Fuel Cost

Total Cost:	80,843,636.80 RM
Cost per Unit	21.58 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	354
Hydro	411
Syncon	775
Thermal	134
Total	1,674

Time	Weather	Temperature
Afternoon	Hot	35
Morning	Sunny	28

Gas Usage

Station	(mmscfd)
GLGR	53
PAKA	48
PGPS	40
SRDG	17
TJGS	209
Total TNB	366
CBPS	27
KLPP	95
MPSS	46
NPRI	148
PGLA	95
PKLG	5
PLPS	91
PTEK	32
SGB3	43
SGRI	51
SKSP	51
YPKA	28
Total IPP	712
Total Gas	1,078
Total Gas Required	1,078

Alternate Fuel Usage

Station	(mmscfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	15143	14537	13924	13530	13178	13198	13149	13405	13800	15579	16607	17257	17169	16961	17592	17959	18135	17921	16658	16278	17410	17191	16631	16373

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Wednesday, March 27, 2019 11:15:02 AM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Tuesday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	
JMAH	U001	702	701	703	702	701	703	703	702	701	702	703	702	701	702	701	702	703	702	701	702	703	702	701	702	703
JMAH	U002	702	704	705	703	704	705	704	703	702	699	702	705	706	703	701	700	704	708	702	707	703	703	702	701	704
JMJG	U001	682	682	679	679	680	682	683	683	681	682	684	686	680	682	682	684	681	678	682	682	679	680	684	682	682
JMJG	U002	678	683	683	681	675	681	679	681	678	682	680	683	682	683	682	684	683	681	680	682	684	682	682	685	682
JMJG	U003	673	672	674	671	677	671	673	677	672	674	674	676	673	668	672	671	674	671	665	673	671	675	673	607	615
JMJG	U004	985	985	985	985	904	821	783	782	783	785	782	783	785	783	783	782	785	838	925	983	985	985	985	982	985
JMJG	U005	977	980	977	980	848	780	777	779	782	779	781	781	779	782	781	782	783	873	982	981	985	979	975	977	977
PKLG	U004	282	281	280	281	280	278	281	279	278	280	278	280	282	279	280	279	275	278	277	275	276	273	274	275	273
PKLG	U005	468	469	467	468	468	467	468	467	469	469	469	469	468	465	468	468	466	465	465	472	469	466	465	468	467
TBIN	U001	700	698	701	701	699	702	699	700	699	701	701	699	698	700	700	702	696	700	699	698	699	696	699	700	698
TBIN	U002	605	603	602	602	604	602	603	634	700	701	702	700	704	701	704	700	701	703	701	701	700	700	701	700	700
TBIN	U003	699	699	695	696	698	699	699	699	697	696	701	702	696	696	698	702	699	698	698	698	696	696	698	699	698
TBIN	U004	951	953	952	952	870	802	802	802	803	802	802	803	801	803	802	802	861	953	951	954	952	951	952	950	953
Total ST-Coal		9104	9110	9103	9101	8808	8594	8553	8589	8643	8652	8659	8669	8656	8647	8655	8658	8655	8841	9135	9192	9216	9214	9200	9126	9137
Total ST-Oil		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CBPS	BLK2	360	358	354	356	348	350	359	360	351	352	363	341	266	253	253	313	365	365	366	368	369	370	363	356	160
GLGR	GT01	68	68	68	68	67	69	69	67	68	68	69	70	68	68	68	67	67	96	105	104	104	103	102	102	101
GLGR	GT02	69	68	68	68	68	68	68	68	68	68	68	68	68	68	68	69	99	104	104	104	103	103	103	103	102
GLGR	ST1C	70	70	70	70	70	70	71	70	69	71	71	71	71	71	70	83	92	92	93	93	93	93	92	93	92
KLPP	GT13	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	139	132	143	145	145	145	145	146	146
KLPP	GT14	149	113	110	77	72	76	77	78	73	76	80	80	82	79	77	81	78	149	148	141	148	150	151	149	151
KLPP	GT15	151	115	115	74	69	73	73	74	70	71	74	74	74	73	73	74	74	147	147	138	145	148	149	149	149
KLPP	ST17	172	115	115	90	82	83	83	86	86	83	85	86	82	86	90	94	131	196	196	200	202	204	205	205	205
MPSS	GT01	97	97	95	94	93	93	97	95	92	93	99	100	98	97	96	96	96	95	94	95	97	93	103	105	105
MPSS	GT02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	72	106	106	106	105	105	106
MPSS	ST01	44	42	43	40	42	40	42	42	41	41	45	44	44	42	43	43	42	43	41	45	49	44	108	114	113
NPRI	BLK1	508	509	452	448	507	517	462	520	435	437	347	343	360	342	356	410	493	451	468	504	508	514	506	505	497
NPRI	BLK2	506	514	435	410	409	418	425	523	412	416	347	344	353	338	357	411	495	446	450	506	510	513	507	508	500
PAKA	GT4A	83	84	84	84	84	84	84	84	84	84	84	84	84	85	84	84	84	84	84	84	85	84	83	84	85
PAKA	GT4B	74	74	74	75	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	74	80	80
PAKA	ST4C	80	79	79	79	79	79	79	79	79	79	79	79	79	78	79	79	79	80	82	82	82	82	82	83	82
PCGP	PGRG	401	401	392	385	375	387	394	399	379	379	400	402	404	402	400	402	402	399	393	399	408	408	401	402	393
PGLA	GT11	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126	144	224	215	215	228	226	226
PGLA	GT12	169	235	230	229	225	230	152	158	151	151	158	158	159	178	174	174	195	193	178	228	218	218	228	226	226
PGLA	ST10	120	110	115	114	114	115	98	91	91	90	91	91	91	91	94	95	96	93	183	253	243	242	251	252	252
PGPS	GT3A	88	89	88	88	87	89	88	88	87	88	88	89	88	88	89	88	89	89	89	88	89	95	95	95	94
PGPS	GT3B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	95	95	94	94	94	94
PGPS	ST3C	40	40	40	40	40	40	39	40	40	39	40	40	40	40	40	39	40	40	40	40	40	88	92	93	93
PLPS	GT11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	87	135	137	136	133	133	130
PLPS	GT12	149	119	117	61	57	59	65	69	62	65	68	69	70	69	68	68	142	139	137	141	139	137	138	134	138
PLPS	GT13	137	108	104	57	55	57	57	60	54	56	60	61	61	61	62	63	64	132	133	130	133	133	130	129	126
PLPS	ST18	145	133	131	87	81	83	83	91	87	85	89	90	91	89	91	89	91	144	181	210	214	212	210	210	210
SGB3	GT31	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	26	27	26	34	137	134	134	134	134	134
SGB3	GT32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81	145	142	142	142	142	142
SGB3	ST34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	70	92	142	146	146	147	146
SGRI	GT11	106	105	106	104	99	104	102	106	102	102	102	104	109	105	105	104	104	104	135	134	135	135	134	134	135

Daily MW Generation on Tuesday

Station	Unit	0000		0100		0200		0300		0400		0500		0600		0700		0800		0900		1000		1100		1200		1300		1400		1500		1600		1700		1800		1900		2000		2100		2200		2300	
SGRI	GT13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	132	130	130	130	131	115	134	112	109	109	108	108	108	133	132	132	134	110	110	107	12	
SGRI	ST14	63	62	61	63	63	61	62	61	59	60	66	67	64	64	64	65	63	63	63	74	76	72	73	72	72	76	149	151	152	152	151	146	148	143	131	131	134	134	131	151	152	154	149	129	137	136	95	
SKSP	BLK1	235	299	221	220	220	219	219	216	219	218	215	221	219	217	220	221	222	219	218	261	344	343	303	334	258	339	218	222	229	339	294	336	309	339	306	332	298	310	312	338	339	336	339	341	338	333	331	320
TJGS	GT1A	218	220	220	218	214	218	220	125	111	117	127	125	125	193	228	125	211	226	223	222	226	226	229	235	236	234	234	234	234	234	231	231	234	234	234	232	198	197	235	224	225	227	229	228	227	224	224	
TJGS	GT1B	211	209	210	211	203	210	209	116	107	110	118	117	116	184	218	113	200	215	212	212	212	209	212	213	209	212	211	211	208	210	210	210	210	210	209	209	189	189	214	214	213	214	214	214	214	214		
TJGS	ST1C	237	237	237	237	229	234	233	170	163	160	163	163	163	202	242	169	197	242	242	242	246	246	246	249	252	249	249	249	249	250	252	252	252	252	252	252	252	219	249	245	245	245	245	245	245			
TJGS	GT2A	211	210	210	210	210	210	143	148	148	148	149	147	147	147	147	169	213	213	213	212	213	213	213	213	213	222	221	221	221	221	221	221	221	222	220	218	220	183	183	223	213	213	213	214	214	213		
TJGS	GT2B	208	208	208	208	208	208	140	144	144	144	144	144	145	145	145	145	167	212	212	210	212	212	209	212	209	221	220	220	220	218	218	218	218	218	216	218	181	181	220	211	211	211	211	211	211	212	211	
TJGS	ST2C	255	255	255	255	255	255	233	211	211	211	211	211	211	211	211	211	258	258	258	258	258	258	258	258	261	264	264	264	264	264	266	266	266	266	266	266	237	237	264	260	258	258	258	258	258	258		
YPKA	GT21	117	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	124	122	125	127	127	125	125	123	126	124	124	127	125	124	126	125	124	124	124	103	65	65	128	127	128	128	128	128	128	
YPKA	ST20	58	38	37	37	37	37	37	37	37	37	37	37	37	37	37	37	59	60	61	62	62	61	62	61	61	61	61	61	61	61	61	59	60	60	60	55	38	38	60	60	61	60	61	60	61	60	61	
Total CCGT-Gas		5784	5449	5209	4922	4901	4975	4702	4615	4319	4337	4271	4258	4211	4364	4510	4407	4898	5737	6108	6576	6982	7182	7365	7406	7098	7082	6978	7160	7207	7297	7261	7309	7445	7498	7399	7327	6918	6568	6560	7342	7506	7474	7498	7462	7206	7089	6965	6642
PKLG	GT08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94	93	93	92	81	0	0	0	0	0	0	0	0	0	0	0	0		
PKLG	GT09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	96	95	62	0	0	0	0	0	0	0	0	0	0	0	0	0			
PTEK	GT1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	104	104	107	106	108	108	108	108	70	70	69	73	91	88	92	34	0	0	0	0	
PTEK	GT1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	105	104	104	104	107	108	108	107	108	107	70	69	69	75	96	93	97	69	0	0	0	0
PTEK	GT2B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	103	103	101	102	102	103	103	104	105	104	105	103	105	70	70	69	72	90	89	90	0	0	0	0	0	
SRDG	GT04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	122	123	124	122	122	122	124	124	89	89	89	89	122	125	0	0	0	0	0	0	
SRDG	GT05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	122	122	122	122	121	122	122	123	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97	103	103	101	296	446	555	652	755	749	720	656	647	444	299	298	296	309	399	395	279	103	0	0	0	0	
BSIA	HY02	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12			
CEND	HY01	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
CEND	HY03	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	
HTRG	HY01	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
KNRG	HY02	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	
KNYR	HY01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	61	59	62	58	60	58	62	58	62	60	60	59	60	59	61	60	60	60	60	60	60	60	60	60	60	59
KNYR	HY02	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1		
KNYR	HY03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19	19	19	40	0
KNYR	HY04	59	59	58	57	55	53	52	59	55	55	57	58	60	60	59	60	60	58	57	60	61	62	0	0	0	0	0	0	0	0	0	0	0															

Daily MW Generation on Tuesday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300
BDLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GNLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KKLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SPLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SSLS	LSS1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCUF	CUFG	45	39	41	41	39	41	40	39	39	40	41	40	40	40	40	40	40	39	39	39	39	40	40	39
PCUF	CUFK	39	39	41	38	39	40	41	39	40	40	40	40	39	40	38	38	38	39	39	38	39	39	39	41
Total Co-Gen		84	78	82	79	78	81	81	78	79	80	81	80	79	81	78	80	82	81	80	79	80	79	80	81
Total Gen		15160	14826	14580	14288	13967	13830	13515	13469	13220	13249	13197	13194	13158	13304	13431	13337	13846	14896	15605	16172	16635	16950	17305	17413
TIE-EGAT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TIE-HVDC		31	31	31	31	30	30	31	29	29	29	31	31	29	30	30	30	29	31	31	30	30	28	31	31
TIE-PLTG		-14	-12	13	72	13	-20	-46	-15	13	14	-32	-26	-20	-14	-3	0	16	11	-3	-10	-1	-24	17	64
Interconnection		17	19	43	103	43	10	-15	14	42	43	-1	4	9	17	26	29	46	41	26	20	28	7	48	95
System Total		15143	14807	14537	14185	13924	13820	13530	13455	13178	13206	13198	13190	13149	13287	13405	13308	13800	14855	15579	16152	16607	16943	17257	17318
SRev ST-Coal		125	119	126	128	337	329	331	294	346	336	325	318	328	340	330	328	335	352	194	137	113	115	129	136
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	6	
SRev CCGT-Gas		924	675	914	1201	1222	1148	1421	1508	1804	1786	1852	1865	1912	1902	1756	1859	1368	955	801	522	455	469	286	245
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SRev Co-Gen		-1	5	1	4	5	2	2	5	4	3	2	3	4	2	5	3	1	2	3	4	3	4	5	6
Syncon		838	838	838	838	838	838	864	864	864	864	989	989	838	838	989	989	989	989	989	989	989	989	989	989
Hydro		264	263	266	266	272	272	272	264	272	271	265	264	390	390	263	262	262	265	264	259	253	250	251	510
S.Reserve Total		2150	1900	2145	2437	2674	2589	2890	2935	3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590
		1900	2145	2437	2674	2589	2890	2935	3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778
		2145	2437	2674	2589	2890	2935	3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484
		2437	2674	2589	2890	2935	3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832
		2674	2589	2890	2935	3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828
		2589	2890	2935	3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709
		2890	2935	3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566
		2935	3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491
		3290	3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352
		3260	3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514
		3433	3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277
		3439	3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588
		3472	3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760
		3472	3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310
		3343	3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662
		3441	2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680
		2955	2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886
		2563	2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653
		2251	1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675
		1911	1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620
		1813	1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743
		1827	1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884
		1672	1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982
		1590	1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979
		1778	1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127
		1484	1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127	
		1832	1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127		
		1828	1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127			
		1709	1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127				
		1566	1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127					
		1491	1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127						
		1352	1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127							
		1514	1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884	1982	1979	2127								
		1277	1588	1760	2310	2662	2680	1886	1653	1675	1620	1743	1884												