

Sheet1

PREFIX	COUNTRY,C,30	CNT	CQ,ITU,CW,C,1	SSB,C,1	RTY,C,1
1A	Sov Military Order of Malta	EU	15 28		
1B	Blenheim Reef	AF	39 41		
1G	Geyser Reef	AF	39 53		
1M	Minerva Reef	AF	32 56		
1S	Spratly Islands	AS	26 50		
3A	Monaco	EU	14 27		
3B6	Agalega & St. Brandon Islands	AF	39 53		
3B8	Mauritius Island	AF	39 53		
3B9	Rodrigues Island	AF	39 53		
3C	Equatorial Guinea	AF	36 47		
3C0	Pagalu Island (Annobon)	AF	36 52		
3D2	Fiji Islands	OC	32 56		
3D2/C	Conway Reef	OC	32 56		
3D2/R	Rotuma	OC	32 56		
3DA	Swaziland	AF	38 57		
3V	Tunisia	AF	33 37		
3X	Guinea	AF	35 46		
3Y	Bouvet Island	AF	38 67		
3Y/P	Peter 1st Island	AN	12 72		
4J	Azerbaijan	AS	21 29		
4L	Georgia	AS	21 29		
4S	Sri Lanka (Ceylon)	AS	22 41		
4U1/I	ITU Geneva Switzerland	EU	14 28		
4U1/U	United Nations, Headquarters	NA	05 08		
4W	Yemen Arab Republic	AS	21 39		
4X	Israel	AS	20 39		
5A	Libya	AF	34 38		
5B	Cyprus	AS	20 39		
5H	Tanzania	AF	37 53		
5N	Nigeria	AF	35 46		
5R	Madagascar	AF	39 53		
5T	Mauritania	AF	35 46		
5U	Niger	AF	35 46		
5V	Togo	AF	35 46		
5W	Western Samoa	OC	32 62		
5X	Uganda	AF	37 48		
5Z	Kenya	AF	37 48		
6W	Senegal	AF	35 46		
6Y	Jamaica	NA	08 11		
7O	Yemen	AS	21 39		
7O/K	Karaman Island	AS	21 39		
7O/P	People's Dem Rep of Yemen	AS	21 39		
7P	Lesotho	AF	38 57		
7Q	Malawi	AF	37 53		
7X	Algeria	AF	33 37		
8P	Barbados	NA	08 11		
8Q	Maldiv Islands	AS	22 41		
8R	Guyana	SA	09 12		

## Sheet1

8Z4	Saudi/Iraq Neutral Zone	AS	21	39
8Z5	Kuwait/Saudi Neutral Zone	AS	21	39
9A	Croatia	EU	15	28
9G	Ghana	AF	35	46
9H	Malta	EU	15	28
9J	Zambia	AF	36	53
9K	Kuwait	AS	21	39
9L	Sierra Leone	AF	35	46
9M2	West Malaysia	AS	28	54
9M6	East Malaysia	OC	28	54
9N	Nepal	AS	22	42
9Q	Zaire	AF	36	52
9S4	Saar	EU	14	28
9U	Burundi	AF	36	52
9U5	Ruanda-Urundi	AF	36	52
9V	Singapore	AS	28	54
9X	Rwanda	AF	36	52
9Y	Trindade & Tobago	SA	09	11
A1	Abu Ail, Jabal at Tair	AS	21	39
A2	Botswana	AF	38	57
A3	Tonga	OC	32	62
A4	Oman	AS	21	39
A5	Bhutan	AS	22	41
A6	United Arab Emirates	AS	21	39
A7	Qatar	AS	21	39
A9	Bahrain	AS	21	39
AC3	Sikkim	AS	22	41
AC4	Tibet	AS	23	41
AP	Pakistan	AS	21	41
BV	Taiwan (Formosa)	AS	24	44
BY	China	AS	24	43
C2	Nauru	OC	31	65
C3	Andorra	EU	14	27
C5	Gambia	AF	35	46
C6	Bahamas	NA	08	11
C9	Mozambique	AF	37	53
C9/M	Manchuria	AS	24	33
CE	Chile	SA	12	14
CE0/A	Easter Island	SA	12	63
CE0/X	San Felix Island	SA	12	14
CE0/Z	Juan Fernandez Island	SA	12	14
CE9	Antarctica	AN	12	73
CN	Morocco	AF	33	37
CN2	Tangier	AF	33	37
CO	Cuba	NA	08	11
CP	Bolivia	SA	10	12
CR8/D	Damao, Diu	AS	22	41
CR8/G	Goa	AS	22	41
CR8/T	Portuguese Timor	OC	28	54

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CT	Portugal	EU	14	37
CT3	Madeira Island	AF	33	36
CU	Azores	EU	14	36
CX	Uruguay	SA	13	14
CY0	Sable Island	NA	05	09
CY9	St. Paul Island	NA	05	09
D2	Angola	AF	36	52
D4	Cape Verde Island	AF	35	46
D6	Comoros	AF	39	53
DL	Federal Republic of Germany	EU	14	28
DL/	Germany	EU	14	28
DU	Philippines	OC	27	50
E3	Eritrea	AF	37	48
EA	Spain	EU	14	37
EA6	Balearic Island	EU	14	37
EA8	Canary Island	AF	33	36
EA9	Ceuta & Melilla	AF	33	37
EA9/I	Ifni	AF	33	37
EI	Ireland	EU	14	27
EK	Armenia	AS	21	29
EL	Liberia	AF	35	46
EP	Iran	AS	21	40
ER	Moldavia	EU	16	29
ES	Estonia	EU	15	28
ET	Ethiopia	AF	37	48
EU	Belarus	EU	16	29
EX	Kirghizia	AS	17	30
EY	Tadzhikistan	AS	17	30
EZ	Turkmenistan	AS	17	30
F	France	EU	14	27
FF	French West Africa	AF	35	46
FG	Guadeloupe	NA	08	11
FH	Mayotte Island	AF	39	53
FH/C	Comoros	AF	39	53
FI8	French Indo-China	AS	26	49
FK	New Caledonia	OC	32	56
FM	Martinique	NA	08	11
FN8	French India	AS	22	41
FO	French Polynesia	OC	32	63
FO/X	Clipperton Island	NA	07	10
FP	St. Pierre & Miquelon	NA	05	09
FQ8	French Equitorial Africa	AF	36	47
FR	Reunion Island	AF	39	53
FR/G	Glorioso Island	AF	39	53
FR/J	Juan de Nova, Europa	AF	39	53
FR/T	Tromelin Island	AF	39	53
FS	Saint Martin Island	NA	08	11
FT8/W	Crozet Island	AF	39	68
FT8/X	Kerguelen Island	AF	39	68

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FT8/Z	Amsterdam & St. Paul Island	AF	39	68
FW	Wallis & Futuna Islands	OC	32	62
FY	French Guiana	SA	09	12
G	England	EU	14	27
GD	Isle of Man	EU	14	27
GI	Northern Ireland	EU	14	27
GJ	Jersey	EU	14	27
GM	Scotland	EU	14	27
GU	Guernsey	EU	14	27
GW	Wales	EU	14	27
H4	Solomon Islands	OC	28	51
HA	Hungary	EU	15	28
HB	Switzerland	EU	14	28
HB0	Liechtenstein	EU	14	28
HC	Ecuador	SA	10	12
HC8	Galapagos Islands	SA	10	12
HH	Haiti	NA	08	11
HI	Dominican Republic	NA	08	11
HK	Colombia	SA	09	12
HK0/A	San Andreas & Providencia	NA	07	11
HK0/B	Bajo Nuevo	NA	08	11
HK0/M	Malpelo Island	SA	09	12
HK0/S	Seranna Bank	NA	07	11
HL	South Korea	AS	25	44
HP	Panama	NA	07	11
HR	Honduras	NA	07	11
HS	Thailand	AS	26	49
HV	Vatican City	EU	15	28
HZ	Saudi Arabia	AS	21	39
I	Italy	EU	15	28
I1	Trieste	EU	15	28
I5	Italian Somaliland	AF	37	48
IS	Sardinia	EU	15	28
J2	Djibouti	AF	37	48
J3	Grenada	NA	08	11
J5	Guinea-Bissau	AF	35	46
J6	St. Lucia	NA	08	11
J7	Dominica	NA	08	11
J8	St. Vincent	NA	08	11
JA	Japan	AS	25	45
JD1	Minami Torishima	OC	27	90
JD1/O	Ogasawara	AS	27	45
JD1/T	Okino Tori-shima	AS	27	45
JT	Mongolia	AS	23	32
JW	Svalbard	EU	40	18
JX	Jan Mayen	EU	40	18
JY	Jordan	AS	20	39
JZ0	Netherlands New Guinea	OC	28	51
K	United States of America	NA	03	06

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KC6	Belau (W. Caroline Islands)	OC	27	64
KG4	Guantanamo Bay	NA	08	11
KH0	Mariana Islands	OC	27	64
KH1	Baker, Howland Islands	OC	31	61
KH2	Guam	OC	27	64
KH3	Johnston Island	OC	31	61
KH4	Midway Island	OC	31	61
KH5	Palmyra, Jarvis Islands	OC	31	61
KH5/K	Kingman Reef	OC	31	61
KH6	Hawaii	OC	31	61
KH7	Kure Island	OC	31	61
KH8	American Samoa	OC	32	62
KH9	Wake Island	OC	31	65
KL7	Alaska	NA	01	01
KP1	Navassa Island	NA	08	11
KP2	U.S. Virgin Islands	NA	08	11
KP4	Puerto Rico	NA	08	11
KP5	Desecheo Island	NA	08	11
KR6	Okinawa (Ryukyu Islands)	AS	25	45
KS4	Swan Island	NA	07	11
KZ5	Canal Zone	NA	07	11
LA	Norway	EU	14	18
LU	Argentina	SA	13	14
LX	Luxembourg	EU	14	27
LY	Lithuania	EU	15	29
LZ	Bulgaria	EU	20	28
OA	Peru	SA	10	12
OD	Lebanon	AS	20	39
OE	Austria	EU	15	28
OH	Finland	EU	15	18
OH0	Aland Island	EU	15	18
OJ0	Market Reef	EU	15	18
OK	Czech Republic	EU	15	28
OK/	Czechoslovakia	EU	15	28
OM	Slovakia	EU	15	28
ON	Belgium	EU	14	27
OX	Greenland	NA	40	05
OY	Faroe Islands	EU	14	18
OZ	Denmark	EU	14	18
P2	Papua New Guinea	OC	28	51
P2/NG	Territory New Guinea	OC	28	51
P2/P	Papua Territory	OC	28	51
P4	Aruba	SA	09	11
PA	Netherlands	EU	14	27
PJ2	Neth Antilles (Bonaire)	SA	09	11
PJ7	St. Maarten, St.Eustatius	NA	08	11
PK1	Java	OC	28	54
PK4	Sumatra	OC	28	54
PK5	Netherlands Borneo	OC	28	54

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PK6	Celebe & Molucca Islands	OC	28	54
PY	Brazil	SA	11	13
PY0/F	Fernando de Noronha	SA	11	13
PY0/S	St.Peter & St.Paul Rocks	SA	11	13
PY0/T	Trinidad & Martin Vaz	SA	11	15
PZ	Suriname	SA	09	12
R1/FJ	Franz Josef Land	EU	40	75
R1/MV	Malyj Vysotskij Island	EU	16	29
S0	Western Sahara	AF	33	46
S2	Bangladesh	AS	22	41
S5	Slovenia	EU	15	28
S7	Seychelles Islands	AF	39	53
S9	Sao Tome & Principe	AF	36	47
SM	Sweden	EU	14	18
SP	Poland	EU	15	28
ST	Sudan	AF	34	48
ST0	Southern Sudan	AF	34	48
SU	Egypt	AF	34	38
SV	Greece	EU	20	28
SV/A	Mount Athos	EU	20	28
SV5	Dodecanese	EU	20	28
SV9	Crete	EU	20	28
T2	Tuvalu	OC	31	65
T30	W. Kiribati (Gilbert Islands)	OC	31	65
T31	C. Kiribati (Br Phoenix)	OC	31	62
T32	E. Kiribati (Line Islands)	OC	31	61
T33	Banaba (Ocean Island)	OC	31	65
T5	Somalia	AF	37	48
T7	San Marino	EU	15	28
T9	Bosnia-Hercegovina	EU	15	28
TA	Turkey	AS	20	39
TF	Iceland	EU	40	17
TG	Guatemala	NA	07	11
TI	Costa Rica	NA	07	11
TI9	Cocos Island	NA	07	11
TJ	Cameroon	AF	36	47
TK	Corsica	EU	15	28
TL	Central African Republic	AF	36	47
TN	Congo	AF	36	52
TR	Gabon	AF	36	52
TT	Chad	AF	36	47
TU	Ivory Coast	AF	35	46
TY	Benin	AF	35	46
TZ	Mali	AF	35	46
UA	European Russia	EU	16	29
UA0	Asiatic Russia	AS	19	34
UA2	Kaliningrad	EU	15	29
UJ	Uzbekistan	AS	17	30
UN	Kazakhstan	AS	17	30

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UN1	Karelo-Finnish Republic	EU	16	19
UR	Ukraine	EU	16	29
V2	Antigua, Barbuda	NA	08	11
V3	Belize	NA	07	11
V4	St. Christopher & Nevis	NA	08	11
V5	Namibia (SW Africa)	AF	38	57
V6	Micronesia (E.Caroline Is.)	OC	27	65
V7	Marshall Islands	OC	31	65
V8	Brunei	OC	28	54
VE	Canada	NA	03	03
VK	Australia	OC	30	55
VK0	Macquarie Island	OC	30	60
VK0/H	Heard Island	AF	39	68
VK9/C	Cocos-Keeling Island	OC	29	54
VK9/L	Lord Howe Island	OC	30	60
VK9/M	Mellish Reef	OC	30	56
VK9/N	Norfolk Island	OC	32	60
VK9/W	Willis Island	OC	30	55
VK9/X	Christmas Island	OC	29	54
VO	Newfoundland, Labrador	NA	02	09
VP2/E	Anguilla	NA	08	11
VP2/M	Montserrat	NA	08	11
VP2/V	British Virgin Islands	NA	08	11
VP5	Turks & Caicos Islands	NA	08	11
VP8/F	Falkland Islands	SA	13	16
VP8/G	South Georgia Islands	SA	13	73
VP8/H	South Shetland Islands	SA	13	73
VP8/O	South Orkney Islands	SA	13	73
VP8/S	South Sandwich Islands	SA	13	73
VP9	Bermuda	NA	05	11
VQ1	Zanzibar	AF	37	53
VQ6	British Somaliland	AF	37	48
VQ9	Chagos Island	AF	39	41
VQ9/A	Aldabra	AF	39	53
VQ9/D	Desroches	AF	39	53
VQ9/F	Farquhar	AF	39	53
VR6	Pitcairn Island	OC	32	63
VS2	Malaya	AS	28	54
VS4	Sarawak	OC	28	54
VS6	Hong Kong	AS	24	44
VS9/H	Kuria Muria Island	AS	21	39
VU	India	AS	22	41
VU4	Andaman & Nicobar Islands	AS	26	49
VU7	Laccadive Islands	AS	22	41
XE	Mexico	NA	06	10
XF4	Revilla Gigedo	NA	06	10
XT	Burkina Faso (Upper Volta)	AF	35	46
XU	Kampuchea (Cambodia)	AS	26	49
XV	Vietnam	AS	26	49

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XW	Laos	AS	26	49
XX9	Macao	AS	24	44
XZ	Myanmar (Burma)	AS	26	49
Y2	German Democratic Republic	EU	14	28
YA	Afghanistan	AS	21	40
YB	Indonesia	OC	28	54
YI	Iraq	AS	21	39
YJ	Vanuatu (New Hebrides)	OC	32	56
YK	Syria	AS	20	39
YL	Latvia	EU	15	29
YN	Nicaragua	NA	07	11
YO	Romania	EU	20	28
YS	El Salvador	NA	07	11
YU	Yugoslavia	EU	15	28
YV	Venezuela	SA	09	12
YV0	Aves Island	NA	08	11
Z2	Zimbabwe (Rhodesia)	AF	38	53
Z3	Macedonia	EU	15	28
ZA	Albania	EU	15	28
ZB	Gibraltar	EU	14	37
ZC4	Cyprus, British Bases	AS	20	39
ZC5	British North Borneo	OC	28	54
ZC6	Palestine	AS	20	39
ZD4	Gold Coast, Togoland	AF	35	46
ZD7	St. Helena	AF	36	66
ZD8	Ascension Island	AF	36	66
ZD9	Tristan da Cunha & Gough	AF	38	66
ZF	Cayman Island	NA	08	11
ZK1/N	North Cook Islands	OC	32	62
ZK1/S	South Cook Islands	OC	32	62
ZK2	Niue	OC	32	62
ZK3	Tokelau Islands	OC	31	62
ZL	New Zealand	OC	32	60
ZL7	Chatham Island	OC	32	60
ZL8	Kermadec Island	OC	32	60
ZL9	Auckland & Campbell Islands	OC	32	60
ZP	Paraguay	SA	11	14
ZS	Republic of South Africa	AF	38	57
ZS0	Penguin Islands	AF	38	57
ZS8	Prince Edward & Marion Islands	AF	38	57
ZS9	Walvis Bay	AF	38	57



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MIX,C,1 TOSUNRI:SUNSELAT,N,6LONG,N,S\_PAL\_PAMILIS,IKMETE EFF\_D/DEL\_D/DEC160,C,1

0 04:20	18:15	41.50	-12.00	33	213	5697	9168	###	###
0 19:25	05:30	-41.40	-174.50	224	44	7244	11658	###	#####
0 03:14	14:47	-12.20	-46.20	20	200	9927	15976	###	#####
0 18:27	05:31	-23.50	178.50	230	50	6003	9661	###	#####
0 22:28	10:48	8.80	-111.90	304	124	7363	11850	###	###
0 04:34	18:38	43.70	-7.40	35	215	5447	8766	###	###
0 02:31	14:07	-10.40	-56.60	2	182	9897	15928	###	###
0 02:39	13:52	-20.30	-57.50	1	181	10581	17029	###	###
0 02:15	13:29	-19.70	-63.40	349	169	10517	16926	###	###
0 05:27	17:32	2.00	-9.00	56	236	7935	12770	###	###
0 05:45	17:42	-1.50	-5.50	62	242	7991	12860	###	###
0 18:33	05:54	-17.00	-178.00	237	57	5778	9299	###	###
0 18:53	06:02	-21.40	-174.40	237	57	6161	9915	###	###
0 18:29	06:01	-12.20	-177.50	240	60	5532	8903	###	###
0 04:30	15:24	-27.00	-32.00	55	235	10455	16826	###	###
0 04:37	18:14	36.80	-10.00	37	217	5925	9535	###	###
0 06:46	19:09	10.00	13.00	69	249	6578	10586	###	###
0 07:24	16:19	-54.50	-3.40	123	303	10054	16180	###	###
0 15:17	21:02	-69.00	91.00	168	348	8168	13145	###	###
0 01:50	15:41	40.50	-50.00	6	186	6364	10242	###	###
0 02:08	16:03	41.50	-45.00	10	190	6263	10079	###	###
0 00:38	12:54	7.00	-79.90	334	154	8466	13625	###	###
0 04:33	18:48	46.20	-6.20	34	214	5270	8481	###	###
0 10:05	23:57	40.70	74.00	83	263	2392	3850	###	###
0 02:52	15:27	15.00	-44.00	15	195	8057	12967	###	#####
0 03:05	16:26	32.00	-35.00	20	200	6786	10921	###	###
0 04:32	17:54	32.50	-13.00	37	217	6267	10086	###	###
0 03:08	16:39	35.00	-33.00	20	200	6555	10549	###	###
0 03:35	15:19	-7.00	-39.50	27	207	9455	15216	###	###
0 05:46	18:01	6.50	-3.00	59	239	7444	11980	###	###
0 03:17	14:34	-18.50	-47.50	20	200	10370	16689	###	###
0 06:48	19:30	18.00	16.00	66	246	6027	9700	###	###
0 05:42	18:13	13.50	-2.00	55	235	7011	11283	###	###
0 05:53	18:06	6.00	-1.50	60	240	7411	11927	###	###
0 17:48	05:18	-13.00	172.00	231	51	5164	8311	###	###
0 03:56	15:58	1.00	-32.00	33	213	8759	14096	###	###
0 03:35	15:32	-1.50	-38.00	27	207	9062	14584	###	###
0 07:00	19:35	15.00	18.00	70	250	6096	9811	###	###
0 10:48	23:30	18.00	76.00	112	292	3277	5274	###	###
0 02:50	15:19	13.00	-45.20	14	194	8208	13210	###	###
0 02:58	15:33	15.30	-42.40	17	197	8016	12901	###	#####
0 02:50	15:19	13.00	-45.20	14	194	8208	13210	###	#####
0 04:49	15:38	-29.00	-28.00	63	243	10398	16734	###	###
0 04:03	15:28	-15.00	-35.00	38	218	9853	15857	###	###
0 05:05	18:42	36.70	-3.00	41	221	5723	9210	###	###
0 09:50	22:16	11.50	59.50	103	283	4350	7001	###	###
0 01:13	13:14	0.50	-73.00	340	160	9025	14524	###	###
0 09:50	22:06	6.80	58.20	105	285	4651	7485	###	###

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0 02:21	15:34	29.50	-47.00	10	190	7099	11425	###	#####
0 02:21	15:34	29.50	-47.00	10	190	7099	11425	###	#####
0 03:57	18:09	45.50	-15.60	70	250	4828	7770	###	###
0 06:03	18:16	6.00	1.00	62	242	7307	11760	###	###
0 04:21	17:55	36.00	-14.40	34	214	6092	9804	###	###
0 04:31	15:56	-15.00	-28.00	48	228	9627	15493	###	###
0 02:18	15:31	29.50	-47.80	9	189	7105	11434	###	###
0 06:49	19:07	8.00	13.20	71	251	6674	10741	###	###
0 23:14	11:21	3.00	-102.00	309	129	8072	12991	###	###
0 22:31	10:36	2.00	-113.00	299	119	7699	12390	###	###
0 23:52	12:59	27.50	-85.00	336	156	7016	11291	###	###
0 05:10	16:58	-5.00	-15.30	55	235	8580	13808	###	###
0 04:24	18:56	49.40	-6.30	32	212	5088	8188	###	#####
0 04:13	16:06	-3.00	-29.00	39	219	8929	14370	###	###
0 04:13	16:06	-3.00	-29.00	39	219	8929	14370	###	#####
0 23:09	11:12	1.30	-103.80	306	126	8104	13042	###	###
0 04:07	16:04	-1.50	-30.00	37	217	8864	14265	###	###
0 10:01	22:26	11.00	62.00	105	285	4262	6859	###	###
0 02:59	15:26	11.60	-43.20	17	197	8277	13321	###	#####
0 04:55	16:03	-22.00	-24.00	59	239	9870	15884	###	###
0 18:09	05:22	-20.00	175.00	229	49	5677	9136	###	###
0 01:47	14:39	22.00	-58.00	180	360	7661	12329	###	###
0 23:31	12:38	27.50	-90.10	332	152	6910	11121	###	###
0 01:53	14:50	24.00	-56.00	2	182	7521	12104	###	###
0 02:10	15:11	25.00	-51.20	6	186	7436	11967	###	###
0 02:12	15:15	26.00	-50.50	7	187	7363	11850	###	###
0 23:38	12:45	27.50	-88.50	333	153	6945	11177	###	#####
0 23:40	13:02	32.30	-86.00	337	157	6683	10755	###	#####
0 01:07	14:07	25.00	-67.00	352	172	7423	11946	###	###
0 21:33	10:29	23.50	-121.00	305	125	6188	9959	###	###
0 21:25	11:14	39.90	-116.40	318	138	5441	8756	###	###
0 18:54	06:53	-0.50	-167.90	255	75	5322	8565	###	###
0 05:00	18:59	42.50	-1.50	39	219	5349	8608	###	###
0 06:54	19:25	13.40	16.00	69	249	6267	10086	###	###
0 10:45	23:45	25.00	77.50	106	286	2862	4606	###	###
0 03:39	15:04	-15.00	-41.00	29	209	10010	16110	###	###
0 23:25	12:46	32.00	-90.00	333	153	6623	10659	###	#####
0 11:31	22:06	-33.50	70.80	139	319	6405	10308	###	###
0 13:56	00:47	-28.00	109.00	168	348	5245	8441	###	###
0 11:57	22:54	-26.00	80.00	143	323	5682	9144	###	###
0 12:01	22:34	-34.00	78.00	145	325	6227	10021	###	###
0	None	-77.50	-167.00	196	16	9103	14650	###	###
0 05:55	19:19	33.00	8.00	51	231	5555	8940	###	###
0 05:41	19:13	35.50	5.50	48	228	5509	8866	###	#####
0 11:07	00:02	23.10	82.40	113	293	2738	4406	###	###
0 10:58	22:20	-16.50	68.40	128	308	5500	8851	###	###
0 00:59	13:46	20.40	-70.70	347	167	7706	12402	###	#####
0 00:53	13:29	15.30	-73.60	343	163	8018	12904	###	#####
0 21:45	09:22	-10.00	-128.00	278	98	7665	12336	###	#####

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0 05:50	19:34	38.70	9.20	48	228	5209	8383	###	###
0 06:31	19:55	33.00	17.00	57	237	5213	8390	###	###
0 06:55	20:36	38.00	25.00	58	238	4651	7485	###	###
0 10:35	21:05	-34.90	56.20	130	310	6970	11217	###	###
0 09:03	23:08	43.80	60.00	66	246	2826	4548	###	###
0 08:55	23:16	47.20	60.10	70	250	2928	4712	###	###
0 05:16	16:46	-13.00	-16.00	60	240	9057	14576	###	###
0 07:23	20:00	16.00	24.00	73	253	5777	9297	###	###
0 03:24	14:57	-11.80	-43.70	23	203	9857	15863	###	###
0 04:20	19:02	51.00	-6.00	31	211	4990	8031	###	###
0 04:20	19:02	51.00	-6.00	31	211	4990	8031	###	#####
0 21:45	10:18	14.60	-121.00	300	120	6676	10744	###	###
0 03:05	15:37	14.00	-41.00	19	199	8084	13010	###	###
0 05:25	19:15	40.40	3.70	44	224	5304	8536	###	###
0 05:00	18:47	39.50	-3.00	40	220	5563	8953	###	###
0 06:33	19:42	28.00	15.50	59	239	5529	8898	###	###
0 05:39	19:15	36.70	5.40	47	227	5448	8768	###	###
0 07:30	18:09	-32.00	11.00	100	280	8737	14061	###	#####
0 05:02	19:59	53.30	6.30	36	216	4543	7311	###	###
0 02:12	16:03	40.50	-44.50	10	190	6327	10182	###	###
0 06:41	18:57	7.00	11.00	70	250	6824	10982	###	###
0 01:51	15:25	35.80	-51.80	5	185	6695	10775	###	###
0 02:59	17:19	47.00	-29.00	19	199	5703	9178	###	###
0 02:34	18:17	59.00	-25.00	17	197	4871	7839	###	###
0 03:19	15:39	9.00	-39.00	22	202	8387	13498	###	###
0 02:45	17:46	54.00	-27.50	18	198	5227	8412	###	###
0 00:07	14:04	42.00	-75.00	348	168	6194	9968	###	###
0 00:44	14:31	39.50	-67.00	353	173	6428	10345	###	###
0 01:23	15:04	38.00	-58.00	180	360	6556	10551	###	###
0 04:41	19:11	48.80	-2.30	35	215	5019	8077	###	###
0 05:10	17:01	-4.00	-15.00	54	234	8511	13697	###	#####
0 09:54	22:33	17.00	62.00	100	280	3960	6373	###	###
0 03:19	14:49	-13.00	-45.30	21	201	9966	16039	###	###
0 03:24	14:57	-11.80	-43.70	23	203	9857	15863	###	#####
0 22:47	11:10	10.00	-106.70	309	129	7491	12056	###	#####
0 19:26	06:33	-22.30	-166.50	242	62	6529	10507	###	###
0 09:52	22:26	14.70	61.00	101	281	4120	6631	###	###
0 00:52	13:36	19.00	-72.80	345	165	7778	12518	###	#####
0 16:26	03:44	-18.00	150.00	208	28	4816	7751	###	###
0 13:13	01:38	11.00	110.00	160	340	2586	4162	###	###
0 08:41	23:01	47.00	56.50	65	245	2990	4812	###	###
0 06:52	19:19	12.00	15.00	69	249	6385	10276	###	#####
0 02:48	13:58	-21.10	-55.60	5	185	10632	17111	###	###
0 03:08	14:44	-10.60	-47.30	17	197	9836	15830	###	###
0 03:51	15:00	-21.50	-40.00	36	216	10399	16736	###	###
0 02:55	14:18	-15.90	-52.20	11	191	10252	16499	###	###
0 09:57	22:39	18.10	63.10	100	280	3855	6204	###	###
0 03:45	13:30	-46.00	-52.00	78	258	12136	19531	###	###
0 02:43	12:07	-50.00	-70.00	245	65	11851	19072	###	###

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0 01:46	12:05	-37.80	-77.50	296	116	11259	18120	###	###
0 18:05	05:33	-14.00	176.00	233	53	5370	8642	###	###
0 09:28	21:39	5.00	52.00	101	281	5027	8090	###	###
0 04:43	19:28	51.50	0.10	34	214	4806	7735	###	###
0 04:52	19:55	54.20	4.50	35	215	4545	7314	###	###
0 04:56	20:02	54.60	5.90	35	215	4487	7221	###	###
0 04:58	19:30	49.30	2.20	37	217	4867	7833	###	###
0 04:45	20:00	55.80	4.30	33	213	4468	7191	###	###
0 04:59	19:33	49.50	2.70	37	217	4843	7794	###	###
0 04:54	19:45	52.50	3.50	35	215	4661	7501	###	###
0 19:41	07:18	-10.00	-159.00	255	75	6218	10007	###	###
0 03:38	18:00	47.50	-19.10	26	206	5493	8840	###	###
0 04:27	18:47	47.00	-7.00	33	213	5245	8441	###	###
0 04:17	18:37	47.00	-9.50	32	212	5307	8541	###	###
0 11:18	23:17	-0.20	78.00	127	307	4201	6761	###	###
0 12:16	00:11	-2.00	92.00	143	323	3844	6186	###	###
0 10:33	23:17	19.00	72.40	107	287	3386	5449	###	###
0 10:24	23:07	18.50	70.00	106	286	3519	5663	###	###
0 10:56	23:07	5.00	74.00	120	300	4062	6537	###	###
0 11:18	23:46	12.50	81.70	122	302	3333	5364	###	###
0 11:00	23:38	16.50	78.50	116	296	3248	5227	###	#####
0 11:27	23:36	4.00	81.60	128	308	3822	6151	###	###
0 11:04	23:41	16.00	79.30	117	297	3241	5216	###	#####
0 20:44	10:31	39.50	-127.00	312	132	5109	8222	###	###
0 11:15	23:35	9.00	80.00	123	303	3597	5789	###	###
0 11:37	00:09	14.00	87.00	127	307	3043	4897	###	###
0 23:08	11:39	13.80	-100.50	316	136	7480	12038	###	###
0 04:17	18:14	41.90	-12.50	32	212	5686	9151	###	###
0 02:28	15:27	24.50	-47.00	10	190	7441	11975	###	###
0 04:17	18:14	41.90	-12.50	32	212	5686	9151	###	###
0 04:06	18:18	45.40	-13.40	30	210	5497	8847	###	#####
0 02:59	15:04	2.00	-46.00	16	196	8965	14428	###	#####
0 04:35	18:24	40.00	-9.00	36	216	5707	9185	###	###
0 02:59	15:26	11.60	-43.20	17	197	8277	13321	###	###
0 09:58	22:26	12.10	61.70	104	284	4219	6790	###	###
0 06:52	19:19	12.00	15.00	69	249	6385	10276	###	###
0 09:53	22:25	14.00	61.00	102	282	4155	6687	###	###
0 09:53	22:28	15.40	61.30	101	281	4072	6553	###	###
0 09:55	22:26	13.30	61.30	103	283	4177	6722	###	###
0 19:59	09:33	35.70	-139.80	301	121	4814	7747	###	###
0 19:19	08:19	25.00	-154.00	284	104	4706	7574	###	###
0 20:08	09:15	27.50	-141.00	294	114	5163	8309	###	###
0 20:36	09:25	20.50	-136.20	293	113	5722	9209	###	#####
0 21:45	12:10	48.00	-107.00	329	149	5240	8433	###	###
0 None		78.00	-16.00	10	190	3616	5819	###	###
0 02:59	22:15	71.00	8.00	17	197	3917	6304	###	###
0 03:01	16:22	32.00	-36.00	19	199	6802	10947	###	###
0 20:28	08:06	-9.40	-147.10	264	84	6738	10844	###	#####
0 12:59	02:33	36.20	115.20	152	332	827	1331	###	###

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0 20:42	09:03	9.50	-138.20	284	104	6197	9973	###	###
0 10:42	23:29	20.00	75.00	109	289	3220	5182	###	###
0 20:03	08:40	16.00	-146.00	283	103	5510	8868	###	###
0 17:51	05:52	0.30	176.50	243	63	4587	7382	###	###
0 20:12	08:43	13.30	-144.50	282	102	5715	9197	###	###
0 17:06	05:45	17.00	170.00	249	69	3413	5493	###	###
0 17:20	06:29	28.20	177.20	266	86	3208	5163	###	###
0 16:47	05:00	6.00	162.00	233	53	3689	5937	###	###
0 16:48	05:05	7.50	162.80	235	55	3633	5847	###	###
0 16:12	05:02	21.30	157.90	241	61	2673	4302	###	###
0 17:26	06:35	28.40	178.80	268	88	3274	5269	###	###
0 17:45	05:13	-14.00	171.00	229	49	5186	8346	###	###
0 18:35	07:20	19.30	-167.00	270	90	4370	7033	###	###
0 14:03	06:08	61.20	150.00	322	142	1475	2374	###	###
0 10:44	23:27	18.40	75.00	110	290	3301	5312	###	###
0 10:03	22:45	18.30	64.70	101	281	3771	6069	###	###
0 10:09	22:52	18.50	66.20	102	282	3692	5942	###	###
0 10:14	22:57	18.30	67.50	104	284	3643	5863	###	###
0 21:01	10:05	26.40	-128.00	302	122	5758	9267	###	#####
0 11:20	23:59	17.20	83.60	120	300	2998	4825	###	#####
0 11:13	23:34	9.10	79.50	122	302	3611	5811	###	#####
0 03:26	19:19	60.00	-10.70	24	204	4575	7363	###	###
0 10:42	21:15	-34.00	58.40	131	311	6844	11014	###	###
0 04:24	18:55	49.00	-6.50	32	212	5116	8233	###	###
0 02:51	17:56	54.50	-25.50	19	199	5165	8312	###	###
0 03:32	17:32	42.70	-23.30	25	205	5879	9461	###	###
0 11:27	23:00	-12.00	77.00	133	313	4931	7936	###	###
0 03:00	16:27	33.90	-35.50	19	199	6668	10731	###	###
0 03:47	18:13	48.20	-16.30	27	207	5392	8678	###	###
0 02:28	18:23	60.20	-25.00	17	197	4795	7717	###	###
0 02:48	18:43	60.20	-20.00	19	199	4722	7599	###	###
0 02:52	18:47	60.30	-19.00	20	200	4701	7566	###	###
0 03:49	18:26	50.10	-14.40	27	207	5236	8427	###	###
0 03:49	18:26	50.10	-14.40	27	207	5236	8427	###	#####
0 03:44	18:10	48.10	-17.10	27	207	5236	8427	###	###
0 04:27	19:08	50.90	-4.40	32	212	4956	7976	###	###
0 07:20	23:47	63.00	52.00	41	221	2812	4525	###	###
0 04:26	20:41	62.00	7.00	30	210	4093	6587	###	###
0 03:38	18:52	55.70	-12.60	25	205	4863	7826	###	###
0 20:28	08:06	-9.40	-147.10	264	84	6738	10844	###	###
0 20:28	08:06	-9.40	-147.10	264	84	6738	10844	###	#####
0 20:28	08:06	-9.40	-147.10	264	84	6738	10844	###	#####
0 10:28	22:55	12.00	69.00	110	290	3896	6270	###	###
0 04:20	19:11	52.40	-4.90	31	211	4883	7858	###	###
0 10:28	22:55	12.00	69.00	110	290	3896	6270	###	###
0 09:56	22:38	18.00	63.00	100	280	3865	6220	###	###
0 19:33	07:21	-5.30	-159.50	258	78	5954	9582	###	#####
0 23:24	11:25	0.40	-100.20	309	129	8290	13341	###	#####
0 22:25	10:26	0.40	-115.00	296	116	7704	12398	###	#####

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0 22:08	10:03	-2.00	-120.00	290	110	7616	12257	###	#####
0 09:25	20:31	-23.00	43.20	114	294	6868	11053	###	###
0 08:17	20:10	-3.00	32.00	92	272	6367	10247	###	###
0 08:04	20:07	1.50	30.00	87	267	6234	10033	###	###
0 08:24	19:39	-19.29	29.00	75	255	5401	8692	###	###
0 09:39	21:52	6.00	55.00	103	283	4838	7786	###	###
0 None		80.00	-50.00	2	182	3650	5874	###	###
0 02:13	18:10	60.40	-28.40	15	195	4826	7767	###	###
0 06:39	19:32	22.50	15.00	63	243	5835	9391	###	###
0 23:35	12:32	24.00	-90.50	330	150	7125	11467	###	###
0 04:00	18:15	46.00	-14.50	70	250	4828	7770	###	###
0 02:26	14:17	-4.00	-56.00	3	183	9454	15215	###	###
0 05:41	17:42	0.30	-6.00	60	240	7911	12732	###	###
0 03:00	18:46	59.30	-18.10	21	201	4747	7640	###	###
0 03:17	18:06	52.20	-21.00	22	202	5236	8427	###	###
0 03:37	16:13	15.50	-32.50	27	207	7830	12601	###	###
0 03:53	16:05	5.00	-31.60	32	212	8491	13665	###	###
0 03:22	16:37	30.00	-31.40	23	203	6857	11035	###	###
0 03:40	17:21	38.00	-23.70	26	206	6187	9957	###	###
0 03:33	17:23	40.20	-24.30	25	205	6059	9751	###	###
0 03:27	17:03	36.50	-27.50	24	204	6359	10234	###	###
0 03:38	17:11	35.50	-25.20	26	206	6378	10264	###	###
0 18:22	06:04	-8.00	-178.00	242	62	5281	8499	###	###
0 18:31	06:20	-5.00	-175.00	246	66	5245	8441	###	###
0 17:34	05:25	-4.00	171.00	235	55	4607	7414	###	###
0 16:33	04:37	1.90	157.40	211	31	4298	6917	###	###
0 18:49	06:48	-0.50	-169.30	254	74	5258	8462	###	###
0 02:59	15:04	2.00	-46.00	16	196	8965	14428	###	###
0 04:10	18:16	44.00	-13.00	31	211	5572	8967	###	###
0 03:50	17:54	43.50	-18.30	70	250	4828	7770	###	###
0 02:59	16:48	39.90	-32.90	19	199	6230	10026	###	###
0 05:12	21:54	64.10	22.00	33	213	3636	5852	###	###
0 11:51	00:24	14.60	90.50	130	310	2880	4635	###	###
0 11:30	23:53	10.00	84.00	127	307	3386	5449	###	###
0 11:50	00:01	5.00	87.50	134	314	3554	5720	###	###
0 05:13	17:22	4.00	-12.00	52	232	7935	12770	###	###
0 04:31	18:28	42.00	-9.00	35	215	5589	8995	###	###
0 04:48	16:58	4.50	-18.00	46	226	8119	13066	###	###
0 05:10	17:01	-4.00	-15.00	54	234	8511	13697	###	###
0 05:30	17:29	-0.50	-9.00	58	238	8077	12999	###	###
0 04:52	17:19	12.00	-15.00	45	225	7568	12180	###	###
0 06:15	18:27	5.50	4.00	65	245	7208	11600	###	###
0 05:49	18:03	6.30	-2.30	59	239	7426	11951	###	###
0 06:22	18:52	13.00	8.00	63	243	6633	10675	###	###
0 02:09	18:01	60.00	-30.00	14	194	4871	7839	###	###
0 22:15	13:32	56.00	-93.00	340	160	5033	8100	###	###
0 03:09	18:18	55.00	-20.50	21	201	5053	8132	###	###
0 00:55	14:44	40.00	-64.00	356	176	6407	10311	###	###
0 23:34	14:29	53.00	-76.00	349	169	5441	8756	###	###

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0 01:17	18:29	66.00	-33.00	11	191	4511	7260	###	#####
0 02:42	17:21	50.50	-31.00	17	197	5504	8858	###	###
0 09:45	22:24	17.00	59.80	99	279	4062	6537	###	###
0 11:38	00:19	17.50	88.30	125	305	2796	4500	###	###
0 09:56	22:36	17.30	62.60	101	281	3917	6304	###	###
0 05:24	16:31	-22.50	-17.00	68	248	9602	15453	###	###
0 19:32	07:50	8.00	-156.00	270	90	5443	8760	###	###
0 18:44	07:11	12.00	-167.00	264	84	4726	7606	###	###
0 22:20	10:31	5.00	-115.00	299	119	7451	11991	###	###
0 13:02	03:34	49.30	123.10	343	163	163	262	###	###
0 20:55	07:23	-35.50	-149.00	244	64	7916	12740	###	###
0 21:03	05:57	-54.60	-158.90	222	42	8392	13506	###	###
0 02:33	11:38	-53.00	-75.00	235	55	11579	18635	###	###
0 23:51	11:24	-12.00	-97.00	304	124	9126	14687	###	###
0 20:09	06:49	-31.60	-159.10	240	60	7310	11764	###	###
0 20:02	07:22	-17.40	-155.80	253	73	6740	10847	###	###
0 19:29	06:18	-29.00	-167.90	236	56	6825	10984	###	###
0 20:24	07:47	-16.30	-150.00	257	77	6948	11182	###	###
0 23:15	10:51	-10.50	-105.60	297	117	8694	13992	###	###
0 08:36	23:03	48.30	56.00	63	243	2973	4785	###	#####
0 09:56	22:39	18.30	63.00	100	280	3850	6196	###	###
0 09:55	22:34	16.80	62.20	101	281	3961	6375	###	###
0 10:02	22:45	18.40	64.60	101	281	3771	6069	###	###
0 10:27	23:19	22.00	72.00	104	284	3256	5240	###	###
0 11:29	20:41	-52.00	60.00	144	324	7757	12484	###	###
0 10:04	19:03	-54.00	37.00	135	315	8554	13766	###	###
0 12:07	19:52	-62.00	58.50	151	331	8303	13362	###	###
0 11:05	19:13	-60.00	46.00	144	324	8526	13721	###	###
0 09:40	18:15	-57.00	28.00	135	315	8962	14423	###	###
0 09:43	23:05	32.30	64.70	88	268	3136	5047	###	###
0 03:36	15:22	-6.10	-39.10	28	208	9388	15109	###	#####
0 02:59	15:04	2.00	-46.00	16	196	8965	14428	###	#####
0 01:24	13:07	-7.30	-72.40	338	158	9558	15382	###	###
0 03:11	14:50	-9.20	-46.30	18	198	9727	15654	###	#####
0 02:38	14:26	-5.40	-53.40	7	187	9540	15353	###	#####
0 23:00	10:04	-23.40	-113.30	279	99	9004	14491	###	#####
0 15:16	02:16	-25.10	130.10	188	8	5007	8058	###	###
0 23:13	11:22	4.00	-102.00	310	130	8013	12896	###	#####
0 22:36	10:31	-2.10	-113.00	296	116	7925	12754	###	#####
0 22:03	10:56	22.50	-114.00	310	130	6505	10469	###	###
0 02:01	14:41	17.30	-56.00	2	182	7984	12849	###	#####
0 00:52	13:36	19.00	-72.80	345	165	7778	12518	###	###
0 23:38	12:01	10.00	-94.00	321	141	7916	12740	###	###
0 01:14	13:37	10.00	-70.00	346	166	8422	13554	###	###
0 12:19	01:04	19.40	99.10	138	318	2305	3710	###	###
0 13:09	01:53	19.00	111.50	159	339	2026	3261	###	###
0 05:58	18:26	12.30	1.70	59	239	6931	11154	###	###
0 22:52	11:18	11.50	-105.00	311	131	7465	12014	###	###
0 22:46	11:11	10.80	-106.70	309	129	7445	11982	###	###

Sheet1

0 22:54	11:36	18.00	-102.50	317	137	7162	11526	###	###
0 22:05	10:57	22.10	-113.60	310	130	6542	10528	###	###
0 23:22	12:01	16.80	-96.00	322	142	7435	11965	###	###
0 03:46	18:37	52.50	-13.40	26	206	5070	8159	###	#####
0 00:48	14:15	34.00	-68.50	351	171	6796	10937	###	###
0 23:04	10:51	-6.00	-107.00	299	119	8390	13502	###	###
0 02:25	15:49	33.00	-44.50	11	191	6838	11005	###	###
0 19:14	06:32	-18.00	-168.00	243	63	6239	10041	###	###
0 02:56	16:23	34.00	-36.50	18	198	6676	10744	###	###
0 02:47	18:12	57.00	-24.00	19	199	4984	8021	###	###
0 11:36	00:03	12.00	86.00	127	307	3195	5142	###	###
0 03:17	17:25	44.40	-26.10	22	202	5823	9371	###	###
0 11:45	00:17	13.80	88.90	129	309	2984	4802	###	###
0 03:38	17:48	45.00	-20.50	26	206	5678	9138	###	###
0 10:21	22:45	10.50	67.00	110	290	4063	6539	###	###
0 10:22	22:49	12.00	67.50	109	289	3963	6378	###	###
0 04:22	15:40	-18.00	-31.00	46	226	9907	15944	###	###
0 03:42	17:38	41.80	-21.40	70	250	4828	7770	###	###
0 03:50	17:45	41.50	-19.50	28	208	5876	9457	###	###
0 05:40	19:15	36.20	5.50	47	227	5471	8805	###	###
0 03:08	16:39	35.00	-33.00	20	200	6555	10549	###	###
0 22:25	10:26	0.40	-115.00	296	116	7704	12398	###	#####
0 03:05	16:25	32.00	-35.10	19	199	6788	10924	###	#####
06:00	18:11	5.00	0.00					###	#####
0 06:48	18:11	-16.00	6.00	82	262	8237	13256	###	###
0 07:11	18:54	-7.90	14.30	82	262	7445	11982	###	###
0 08:16	18:35	-38.00	20.00	111	291	8578	13805	###	###
0 11:07	23:53	19.50	81.20	116	296	2975	4788	###	###
0 17:03	04:39	-10.50	161.50	223	43	4656	7493	###	###
0 17:08	04:19	-21.00	159.50	216	36	5245	8441	###	###
0 17:47	05:03	-19.00	170.00	226	46	5446	8765	###	###
0 17:18	04:53	-11.00	165.00	226	46	4801	7726	###	###
0 19:15	05:38	-36.90	-174.80	227	47	6992	11253	###	###
0 18:52	04:46	-44.00	176.00	217	37	7092	11413	###	###
0 18:35	05:20	-30.00	178.00	226	46	6356	10229	###	###
0 20:15	05:24	-52.50	-169.00	219	39	7987	12854	###	###
0 10:28	21:27	-25.30	58.00	126	306	6385	10276	###	###
0 05:35	16:08	-33.90	-18.40	81	261	10190	16399	###	###
0 05:34	16:09	-33.20	-18.40	79	259	10162	16354	###	#####
0 04:44	14:25	-46.80	-37.80	96	276	11480	18475	###	###
0 05:35	16:41	-22.60	-14.30	70	250	9488	15269	###	#####



Sheet1

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M160,C,1

C80,C,1

S80,C,1

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Sheet1

C40,C,1

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C30,C,1

S30,C,1

R30,C,1

Sheet1

M30,C,1

C20,C,1

S20,C,1

R20,C,1

M20,C,1

C17,C,1

S17,C,1

Sheet1

R17,C,1

M17,C,1

C15,C,1

S15,C,1

R15,C,1

M15,C,1

C12,C,1

Sheet1

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R12,C,1

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C10,C,1

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R10,C,1

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Sheet1

C6,C,1

S6,C,1

R6,C,1

M6,C,1

C2,C,1

S2,C,1

R2,C,1

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