

# Modular tables for calendrical calculations

TABLE A			
Y	XD	JC	XM
0000	6947	-2	3758
0400	2438	1	596
0800	23030	4	715
1200	18521	7	1684
1600	14012	10	2653
2000	9503	13	3622

LEGEND			
Y: Gregorian or Julian year.			
M: Gregorian or Julian month.			
XD: Position within the Golden Lunar Cycle (25101 days per 850 lunar months).			
XM: Position within the Golden Solar Cycle (4131 lunar months per 334 years).			
JC: Correction added to XD if using Julian Calendar.			
ML: Lunar month length, either Full (30 days) or Hollow (29 days).			
YL: Lunisolar year length, either Short (12 months) or Long (13 months).			

TABLE B			
Y	XD	JC	XM
2000	2556	15	3995
1600	7065	12	3026
1200	11574	9	2057
800	16083	6	1088
400	20592	3	119
300	9168	3	3400
200	22846	2	1700
100	11423	1	850
80	4119	0	850
60	21915	0	0
40	14610	0	0
20	7305	0	0
16	5844	0	0
12	4383	0	0
8	2922	0	0
4	1461	0	0
3	1096	0	0
2	731	0	0
1	366	0	0

TABLE C	
M	XD
Jan	0
Feb	31
Mar	*59
Apr	*90
May	*120
Jun	*151
Jul	*181
Aug	*212
Sep	*243
Oct	*273
Nov	*304
Dec	*334
(*) : Add +1 if leap year	

TABLE D					
XD	XM	ML	XD	XM	ML
25101	850	F	1004	34	F
24599	833	F	502	17	F
23152	784	F	472	16	F
21705	735	F	443	15	H
20258	686	F	413	14	F
18811	637	F	384	13	H
17364	588	F	354	12	F
15917	539	F	325	11	H
14470	490	F	295	10	F
13023	441	F	266	9	H
11576	392	F	236	8	F
10129	343	F	207	7	H
8682	294	F	177	6	F
7235	245	F	148	5	H
5788	196	F	118	4	F
4341	147	F	89	3	H
2894	98	F	59	2	F
1447	49	F	30	1	H

TABLE E			
XM	YL	XM	YL
4131	S	223	S
3995	S	210	L
3760	S	198	S
3525	S	186	S
3290	S	173	L
3055	S	161	S
2820	S	148	L
2585	S	136	S
2350	S	124	S
2115	S	111	L
1880	S	99	S
1645	S	87	S
1410	S	74	L
1175	S	62	S
940	S	49	L
705	S	37	S
470	S	25	S
235	S	12	L