

Table 5.E

Potential unique Set-sums and related accords in the fourth narrative group of Third Nephi

Summary					
Interval type	No. of factors of close accords	No. of close accords with intervals	No. of near accords with intervals	No. of "relaxed" near accords with intervals	Total No.
7-day week	0	5	0	0	5
9-day cycle	1	10	0	0	11
13-day cycle	0	2	0	0	2
20-day cycle	0	3	0	0	3
30-day cycle	1	6	0	0	7
260-day calendar	0	0	0	0	0
Long Count tun computing year	9	0	0	0	9
1 computing year	1	0	0	0	1
365-day year	0	0	0	0	0
819-day cycle	3	0	0	0	3
draconic month	2	7	3	7	19
sidereal month	2	6	4	9	21
synodic month	1	5	4	8	18
draconic or eclipse year	0	0	0	0	0
13-sidereal month year	1	0	0	0	1
6-synodic month semester	2	0	0	0	2
12-synodic month year	2	0	0	0	2
18-synodic month year	2	0	0	0	2
tropical year	2	0	0	0	2
sidereal year	2	0	0	0	2
Mercury sidereal period	1	1	2	2	6
Mercury synodic period	0	0	0	0	0
Venus sidereal period	2	0	0	0	2
Venus synodic period	0	0	0	0	0
Mars sidereal period	0	0	0	0	0
Mars synodic period	4	0	0	0	4
Jupiter sidereal period	0	0	0	0	0
Jupiter synodic period	0	0	0	0	0
Saturn sidereal period	5	0	0	0	5
Saturn synodic period	5	0	0	0	5
Total No.	48	45	13	26	132

Data

Factors of close accords

No.	Set-sum	Close accord
1.	3	1/3rd of a close accord with 1 9-day cycle
2.	3	1/10th of a close accord with 1 30-day cycle
3.	3	1/120th of a close accord with 1 Long Count tun (360 days)
4.	6	1/60th of a close accord with 1 Long Count tun (360 days)
5.	9	1/40th of a close accord with 1 Long Count tun (360 days)
6.	30	1/12th of a close accord with 1 Long Count tun (360 days)
7.	36	1/10th of a close accord with 1 Long Count tun (360 days)
8.	60	1/6th of a close accord with 1 Long Count tun (360 days)
9.	90	1/4th of a close accord with 1 Long Count tun (360 days)

No.	Set-sum	Close accord
10.	120	1/3rd of a close accord with 1 Long Count tun (360 days)
11.	180	1/2 of a close accord with 1 Long Count tun (360 days)
12.	182	1/2 of a close accord with 1 computing year (364 days)
13.	3	1/273rd of a close accord with 1 819-day cycle
14.	9	1/91st of a close accord with 1 819-day cycle
15.	63	1/13th of a close accord with 1 819-day cycle
16.	3	1/9th of a close accord with 1 mean draconic month (about 27.21222 days)
17.	9	1/3rd of a close accord with 1 mean draconic month (about 27.21222 days)
18.	3	1/9th of a close accord with 1 mean sidereal month (about 27.32166 days)
19.	9	1/3rd of a close accord with 1 mean sidereal month (about 27.32166 days)
20.	6	1/5th of a close accord with 1 mean synodic month (about 29.53059 days)
21.	89	1/4th of a close accord with 1 mean 13-sidereal month year (about 355.1816 days)
22.	59	1/3rd of a close accord with 1 mean 6-synodic month semester (about 177.1835 days)
23.	89	1/2 of a close accord with 1 mean 6-synodic month semester (about 177.1835 days)
24.	6	1/59th of a close accord with 1 12-synodic month year (about 354.3671 days)
25.	59	1/6th of a close accord with 1 12-synodic month year (about 354.3671 days)
26.	9	1/59th of a close accord with 1 18-synodic month year (about 531.5506 days)
27.	59	1/9th of a close accord with 1 18-synodic month year (about 531.5506 days)
28.	122	1/3rd of a close accord with 1 mean tropical year (about 365.2422 days)
29.	183	1/2 of a close accord with 1 mean tropical year (about 365.2422 days)
30.	122	1/3rd of a close accord with 1 mean sidereal year (about 365.2564 days)
31.	183	1/2 of a close accord with 1 mean sidereal year (about 365.2564 days)
32.	3	1/29th of a close accord with 1 mean sidereal period of Mercury (about 87.9694 days)
33.	3	1/75th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days)
34.	9	1/25th of a close accord with 1 mean sidereal period of Venus (about 224.7012 days)
35.	6	1/130th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)
36.	30	1/26th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)
37.	60	1/13th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)
38.	156	1/5th of a close accord with 1 mean synodic period of Mars (about 779.9365 days)
39.	6	1/1794th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
40.	9	1/1196th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
41.	36	1/299th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
42.	92	1/117th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
43.	156	1/69th of a close accord with 1 mean sidereal period of Saturn (about 10764.44 days)
44.	6	1/63rd of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)
45.	9	1/42nd of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)
46.	63	1/6th of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)
47.	126	1/3rd of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)
48.	189	1/2 of a close accord with 1 mean synodic period of Saturn (about 378.0921 days)

Close accords with intervals

No.	Set-sum	Close accord
1.	63	a close accord with the length of 9 7-day weeks
2.	119	a close accord with the length of 17 7-day weeks
3.	126	a close accord with the length of 18 7-day weeks
4.	182	a close accord with the length of 26 7-day weeks
5.	189	a close accord with the length of 27 7-day weeks
6.	9	a close accord with the length of 1 9-day cycle
7.	36	a close accord with the length of 4 9-day cycles
8.	63	a close accord with the length of 7 9-day cycles
9.	90	a close accord with the length of 10 9-day cycles
10.	99	a close accord with the length of 11 9-day cycles
11.	126	a close accord with the length of 14 9-day cycles
12.	153	a close accord with the length of 17 9-day cycles
13.	180	a close accord with the length of 20 9-day cycles
14.	189	a close accord with the length of 21 9-day cycles

Table 5.E-2

No.	Set-sum	Close accord
15.	216	a close accord with the length of 24 9-day cycles
16.	156	a close accord with the length of 12 13-day cycles
17.	182	a close accord with the length of 14 13-day cycles
18.	60	a close accord with the length of 3 20-day cycles
19.	120	a close accord with the length of 6 20-day cycles
20.	180	a close accord with the length of 9 20-day cycles
21.	30	a close accord with the length of 1 30-day cycle
22.	60	a close accord with the length of 2 30-day cycles
23.	90	a close accord with the length of 3 30-day cycles
24.	120	a close accord with the length of 4 30-day cycles
25.	150	a close accord with the length of 5 30-day cycles
26.	180	a close accord with the length of 6 30-day cycles
27.	96	a close accord with the length of 3.5 mean draconic months (about 95.2428 days)
28.	122	a close accord with the length of 4.5 mean draconic months (about 122.4550 days)
29.	123	a close accord with the length of 4.5 mean draconic months (about 122.4550 days)
30.	149	a close accord with the length of 5.5 mean draconic months (about 149.6672 days)
31.	150	a close accord with the length of 5.5 mean draconic months (about 149.6672 days)
32.	218	a close accord with the length of 8 mean draconic months (about 217.6978 days)
33.	272	a close accord with the length of 10 mean draconic months (about 272.1222 days)
34.	96	a close accord with the length of 3.5 mean sidereal months (about 95.6258 days)
35.	122	a close accord with the length of 4.5 mean sidereal months (about 122.9475 days)
36.	123	a close accord with the length of 4.5 mean sidereal months (about 122.9475 days)
37.	150	a close accord with the length of 5.5 mean sidereal months (about 150.2691 days)
38.	218	a close accord with the length of 8 mean sidereal months (about 218.5733 days)
39.	219	a close accord with the length of 8 mean sidereal months (about 218.5733 days)
40.	30	a close accord with the length of 1 mean synodic month (about 29.53059 days)
41.	59	a close accord with the length of 2 mean synodic months (about 59.0612 days)
42.	60	a close accord with the length of 2 mean synodic months (about 59.0612 days)
43.	89	a close accord with the length of 3 mean synodic months (about 88.5918 days)
44.	119	a close accord with the length of 4 mean synodic months (about 118.1224 days)
45.	219	a close accord with the length of 2.5 mean sidereal periods of Mercury (about 219.9235 days)

Near accords with intervals

No.	Set-sum	Near accord
1.	189	a near accord with the length of 7 mean draconic months (about 190.4855 days)
2.	216	a near accord with the length of 8 mean draconic months (about 217.6978 days)
3.	219	a near accord with the length of 8 mean draconic months (about 217.6978 days)
4.	149	a near accord with the length of 5.5 mean sidereal months (about 150.2691 days)
5.	152	a near accord with the length of 5.5 mean sidereal months (about 150.2691 days)
6.	179	a near accord with the length of 6.5 mean sidereal months (about 177.5908 days)
7.	272	a near accord with the length of 10 mean sidereal months (about 273.2166 days)
8.	90	a near accord with the length of 3 mean synodic months (about 88.5918 days)
9.	120	a near accord with the length of 4 mean synodic months (about 118.1224 days)
10.	149	a near accord with the length of 5 mean synodic months (about 147.6530 days)
11.	179	a near accord with the length of 6 mean synodic months (about 177.1835 days)
12.	89	a near accord with the length of 1 mean sidereal period of Mercury (about 87.9694 days)
13.	218	a near accord with the length of 2.5 mean sidereal periods of Mercury (about 219.9235 days)

Relaxed near accords with intervals

No.	Set-sum	Relaxed near accord
1.	66	a shorter near accord with the length of 2.5 mean draconic months (about 68.0306 days)
2.	93	a shorter near accord with the length of 3.5 mean draconic months (about 95.2428 days)
3.	120	a shorter near accord with the length of 4.5 mean draconic months (about 122.4550 days)
4.	242	a shorter near accord with the length of 9 mean draconic months (about 244.9100 days)
5.	30	a longer near accord with the length of 1 mean draconic month (about 27.21222 days)
6.	152	a longer near accord with the length of 5.5 mean draconic months (about 149.6672 days)

No.	Set-sum	Relaxed near accord
7.	179	a longer near accord with the length of 6.5 mean draconic months (about 176.8794 days)
8.	66	a shorter near accord with the length of 2.5 mean sidereal months (about 68.3042 days)
9.	93	a shorter near accord with the length of 3.5 mean sidereal months (about 95.6258 days)
10.	120	a shorter near accord with the length of 4.5 mean sidereal months (about 122.9475 days)
11.	189	a shorter near accord with the length of 7 mean sidereal months (about 191.2516 days)
12.	216	a shorter near accord with the length of 8 mean sidereal months (about 218.5733 days)
13.	30	a longer near accord with the length of 1 mean sidereal month (about 27.32166 days)
14.	153	a longer near accord with the length of 5.5 mean sidereal months (about 150.2691 days)
15.	180	a longer near accord with the length of 6.5 mean sidereal months (about 177.5908 days)
16.	248	a longer near accord with the length of 9 mean sidereal months (about 245.8949 days)
17.	189	a shorter near accord with the length of 6.5 mean synodic months (about 191.9488 days)
18.	219	a shorter near accord with the length of 7.5 mean synodic months (about 221.4794 days)
19.	248	a shorter near accord with the length of 8.5 mean synodic months (about 251.0100 days)
20.	278	a shorter near accord with the length of 9.5 mean synodic months (about 280.5406 days)
21.	62	a longer near accord with the length of 2 mean synodic months (about 59.0612 days)
22.	150	a longer near accord with the length of 5 mean synodic months (about 147.6530 days)
23.	180	a longer near accord with the length of 6 mean synodic months (about 177.1835 days)
24.	239	a longer near accord with the length of 8 mean synodic months (about 236.2447 days)
25.	129	a shorter near accord with the length of 1.5 mean sidereal periods of Mercury (about 131.9541 days)
26.	90	a longer near accord with the length of 1 mean sidereal period of Mercury (about 87.9694 days)

Set-sums with no accords

<u>No.</u>	<u>Set-sum</u>
1.	33
2.	155
3.	159
4.	185
5.	186
6.	212
7.	269
