Chronal Calendar Design

Matthew Hinton, $\bigcirc 1\overline{4}3\overline{5}$ (2024)

 $1\bar{4}3\bar{5}.\bar{A}$ (January 2024)

1 Introduction

A signed base two dozen calendar with elements from the Dozenal Solstice Calendar and the traditional Chinese calendar.

Advantages:

- 1. Every solstice, equinox, and solar term accurate to the day (UTC)
- 2. Single digit days and solar terms
- 3. Efficient partitions of years into terms and pentads
- 4. Inclusion of zeroth day of terms and pentads is coherent with balanced base intuition

Concessions:

- 1. Solar term adjustment pattern is hard to memorise for each year
- 2. Thus making day-difference calculations harder to intuit and predict
- 3. Does not give each day a unique name; some days are split between years or pentads
- 4. Perhaps conceptually more difficult to keep track of solar terms instead of months

TODO:

- 1. Settle on names for days of the pentad
- 2. Name the solar terms
- 3. Decide if it's worth the trouble!

2 Layout

Term \bar{C}						
		0	1	2		
3	4	5	6	7		

Term \bar{B}						
$\bar{7}$	$\bar{6}$	$\bar{5}$	$\bar{4}$	$\bar{3}$		
$\bar{2}$	Ī	$\bar{0}$	1	2		
3	4	5	6	7		

Term \bar{A}						
$\bar{7}$	$\bar{6}$	$\bar{5}$	$\bar{4}$	$\bar{3}$		
$\bar{2}$	Ī	$\bar{0}$	1	2		
3	4	5	6	7		

Term $\bar{9}$						
$\bar{7}$	$\bar{6}$	$\bar{5}$	$\bar{4}$	$\bar{3}$		
$\bar{2}$	Ī	$\bar{0}$	1	2		
3	4	5	6	7		

Term $\bar{8}$						
$\bar{7}$	<u> </u> 6	5	$\bar{4}$	$\bar{3}$		
$\bar{2}$	1	$\bar{0}$	1	2		
3	4	5	6	7		

Term $\bar{6}$						
$\bar{7}$	$\bar{6}$	$\bar{5}$	$\bar{4}$	$\bar{3}$		
$\bar{2}$	1	Ō	1	2		
3	4	5	6	7		

Term $\bar{5}$						
$\bar{7}$	$\bar{6}$	5	$\bar{4}$	$\bar{3}$		
$\bar{2}$	1	$\bar{0}$	1	2		
3	4	5	6	7		

Term $\bar{2}$						
$\bar{7}$	$\bar{6}$	$\bar{5}$	$\bar{4}$	$\bar{3}$		
$\bar{2}$	Ī	$\bar{0}$	1	2		
3	4	5	6	7		

Term $\bar{1}$						
$\bar{7}$	$\bar{6}$	5	$\bar{4}$	$\bar{3}$		
$\bar{2}$	Ī	$\bar{0}$	1	2		
3	4	5	6	7		

Term 2						
$\bar{7}$	<u>6</u>	5	$\bar{4}$	3		
$\bar{2}$	$\bar{1}$	$\bar{0}$	1	2		
3	4	5	6	7		

Term 3						
$\bar{7}$	<u>6</u>	$\bar{5}$	$\bar{4}$	$\bar{3}$		
$\bar{2}$	$\bar{1}$	$\bar{0}$	1	2		
3	4	5	6	7		

Term 4						
$\bar{7}$	<u>6</u>	5	$\bar{4}$	$\bar{3}$		
$\bar{2}$	Ī	$\bar{0}$	1	2		
3	4	5	6	7		

	Term 5												
$\bar{7}$	$\bar{6}$	$\bar{5}$	$\bar{4}$	3									
$\bar{2}$	$\bar{1}$	$\bar{0}$	1	2									
3	4	5	6	7									

Term 6												
$\bar{7}$	<u>6</u>	5	$\bar{4}$	3								
$\bar{2}$	Ī	$\bar{0}$	1	2								
3	4	5	6	7								

	T_{ϵ}	erm	7	
$\bar{7}$	$\bar{6}$	5	$\bar{4}$	$\bar{3}$
$\bar{2}$	Ī	$\bar{0}$	1	2
3	4	5	6	7

Term 8												
$\bar{7}$	<u></u> 6	5	$\bar{4}$	3								
$\bar{2}$	Ī	$\bar{0}$	1	2								
3	4	5	6	7								

	Term 9												
$\bar{7}$	<u> </u> 6	5	$\bar{4}$	$\bar{3}$									
$\bar{2}$	Ī	$\bar{0}$	1	2									
3	4	5	6	7									

Term A												
$\bar{7}$	<u>6</u>	5	$\bar{4}$	3								
$\bar{2}$	Ī	$\bar{0}$	1	2								
3	4	5	6	7								

	Term B												
$\bar{7}$	<u>6</u>	5	$\bar{4}$	3									
$\bar{2}$	Ī	$\bar{0}$	1	2									
3	4	5	6	7									

	Τe	erm	C	
7	<u>6</u>	5	$\bar{4}$	3
$\bar{2}$	Ī	$\bar{0}$		

3 Example year: $1\bar{4}3\bar{5}$ (2024)

$1\bar{4}3\bar{5}$		Pe	ntad i	Ī			Р	entad	0			I	Penta	d 1		S-day
$ar{C}$							$ar{C}0$ $ar{C}1$		$\bar{C}2$	$\bar{C}3$	$\bar{C}4$	$\bar{C}5$	$\bar{C}6$	7		
\bar{B}	7	$\bar{B}\bar{6}$	$\bar{B}\bar{5}$	$\bar{B}\bar{4}$	$\bar{B}\bar{3}$	$\bar{B}\bar{2}$	$\bar{B}\bar{1}$	$\bar{B}0$	$\bar{B}1$	$\bar{B}2$	$\bar{B}3$	$\bar{B}4$	$\bar{B}5$	$\bar{B}6$	$\bar{B}7$	
$ar{A}$	$\bar{A}\bar{7}$	$\bar{A}\bar{6}$	$\bar{A}\bar{5}$	$\bar{A}\bar{4}$	$\bar{A}\bar{3}$	$\bar{A}\bar{2}$	$\bar{A}\bar{1}$	$\bar{A}0$	$\bar{A}1$	$ar{A}2$	$\bar{A}3$	$\bar{A}4$	$\bar{A}5$	$\bar{A}6$	$ar{A}7$	
9	97	96	$\bar{9}\bar{5}$	$\bar{9}\bar{4}$	93	$\bar{9}\bar{2}$	$\bar{9}\bar{1}$	90	91	92	93	94	95	96	97	
8	87	$\bar{8}\bar{6}$	$\bar{8}\bar{5}$	$\bar{8}\bar{4}$	$\bar{8}\bar{3}$	$\bar{8}\bar{2}$	81	<u>8</u> 0	<u>8</u> 1	$\bar{8}2$	<u>8</u> 3	<u>8</u> 4	<u>8</u> 5	<u>8</u> 6	<u>8</u> 7	
$\bar{7}$	$\bar{7}\bar{7}$	$\bar{7}\bar{6}$	$\bar{7}\bar{5}$	$\bar{7}\bar{4}$	$\bar{7}\bar{3}$	$\bar{7}\bar{2}$	$\bar{7}\bar{1}$	70	71	$\bar{7}2$	73	$\bar{7}4$	7 5	7 6	77	
<u>-</u> 6	$\bar{6}\bar{7}$	$\bar{6}\bar{6}$	$\bar{6}\bar{5}$	$\bar{6}\bar{4}$	$\bar{6}\bar{3}$	$\bar{6}\bar{2}$	$\bar{6}\bar{1}$	<u></u> 60	<u>-</u> 61	$\bar{6}2$	<u>-</u> 63	<u>-</u> 64	<u>-</u> 65	<u>-</u> 66	<u>-</u> 67	
$\bar{5}$	$\bar{5}\bar{7}$	$\bar{5}\bar{6}$	$\bar{5}\bar{5}$	$\bar{5}\bar{4}$	$\bar{5}\bar{3}$	$\bar{5}\bar{2}$	$\bar{5}\bar{1}$	50	51	$\bar{5}2$	53	$\bar{5}4$	$\bar{5}5$	$\bar{5}6$	$\bar{5}7$	
$\bar{4}$	$\bar{4}\bar{7}$	$\bar{4}\bar{6}$	$\bar{4}\bar{5}$	$\bar{4}\bar{4}$	$\bar{4}\bar{3}$	$\bar{4}\bar{2}$	$\bar{4}\bar{1}$	<u>4</u> 0	<u>4</u> 1	$\bar{4}2$	4 3	$\bar{4}4$	$\bar{4}5$	$\bar{4}6$	$\bar{4}7$	$\bar{4}8 - \bar{3}\bar{8}$
$\bar{3}$	37	$\bar{3}\bar{6}$	$\bar{3}\bar{5}$	$\bar{3}\bar{4}$	$\bar{3}\bar{3}$	$\bar{3}\bar{2}$	$\bar{3}\bar{1}$	30	<u>3</u> 1	$\bar{3}2$	33	$\bar{3}4$	$\bar{3}5$	<u>3</u> 6	37	
$\bar{2}$	$\bar{2}\bar{7}$	$\bar{2}\bar{6}$	$\bar{2}\bar{5}$	$\bar{2}\bar{4}$	$\bar{2}\bar{3}$	$\bar{2}\bar{2}$	$\bar{2}\bar{1}$	<u>2</u> 0	$\bar{2}1$	$\bar{2}2$	$\bar{2}3$	$\bar{2}4$	$\bar{2}5$	$\bar{2}6$	$\bar{2}7$	$\bar{2}8-\bar{1}\bar{8}$
$\bar{1}$	$\bar{1}\bar{7}$	$\bar{1}\bar{6}$	$\bar{1}\bar{5}$	$\bar{1}\bar{4}$	$\bar{1}\bar{3}$	$\bar{1}\bar{2}$	$\bar{1}\bar{1}$	<u>1</u> 0	Ī1	$\bar{1}2$	Ī3	$\bar{1}4$	$\bar{1}5$	$\bar{1}6$	$\bar{1}7$	
0	07	06	$0\bar{5}$	$0\bar{4}$	$0\bar{3}$	$0\bar{2}$	01	00	01	02	03	04	05	06	07	$08 - 1\bar{8}$
1	$1\bar{7}$	$1\bar{6}$	$1\bar{5}$	$1\bar{4}$	$1\bar{3}$	$1\bar{2}$	$1\bar{1}$	10	11	12	13	14	15	16	17	$18-2\bar{8}$
2	$2\bar{7}$	$2\bar{6}$	$2\bar{5}$	$2\bar{4}$	$2\bar{3}$	$2\bar{2}$	$2\bar{1}$	20	21	22	23	24	25	26	27	$28-3\bar{8}$
3	$3\bar{7}$	$3\bar{6}$	$3\bar{5}$	$3\bar{4}$	$3\bar{3}$	$3\bar{2}$	$3\bar{1}$	30	31	32	33	34	35	36	37	
4	$4\bar{7}$	$4\bar{6}$	$4\bar{5}$	$4\bar{4}$	$4\bar{3}$	$4\bar{2}$	$4\bar{1}$	40	41	42	43	44	45	46	47	$48-5\bar{8}$
5	$5\bar{7}$	$5\bar{6}$	$5\bar{5}$	$5\bar{4}$	$5\bar{3}$	$5\bar{2}$	$5\bar{1}$	50	51	52	53	54	55	56	57	
6	$6\bar{7}$	$6\bar{6}$	$6\bar{5}$	$6\bar{4}$	$6\bar{3}$	$6\bar{2}$	$6\bar{1}$	60	61	62	63	64	65	66	67	
7	$7\bar{7}$	$7\bar{6}$	$7\bar{5}$	$7\bar{4}$	$7\bar{3}$	$7\bar{2}$	$7\bar{1}$	70	71	72	73	74	75	76	77	
8	87	$8\bar{6}$	$8\bar{5}$	$8\bar{4}$	83	$8\bar{2}$	81	80	81	82	83	84	85	86	87	
9	97	96	$9\bar{5}$	$9\bar{4}$	93	$9\bar{2}$	91	90	91	92	93	94	95	96	97	
A	$A\bar{7}$	$A\bar{6}$	$A\bar{5}$	$A\bar{4}$	$A\bar{3}$	$A\bar{2}$	$A\bar{1}$	A0	A1	A2	<i>A</i> 3	A4	A5	A6	A7	
В	$B\bar{7}$	$B\bar{6}$	$B\bar{5}$	$B\bar{4}$	$B\bar{3}$	$B\bar{2}$	$B\bar{1}$	B0	<i>B</i> 1	B2	<i>B</i> 3	B4	B5	<i>B</i> 6	<i>B</i> 7	
C	$C\bar{7}$	$C\bar{6}$	$C\bar{5}$	$C\bar{4}$	$C\bar{3}$	$C\bar{2}$	$C\bar{1}$	C0								

4 0-dates (2024)

Dec 22 (2023)	Jan 05	Jan 20	Feb 04
Feb 19	Mar 05	Mar 20	Apr 04
Apr 19	May 05	May 20	Jun 05
Jun 20	Jul 06	Jul 22	Aug 07
Aug 22	Sep 07	Sep 22	Oct 07
Oct 22	Nov 06	Nov 21	Dec 06

5 S-day pattern (2024)

-1	0	0	0
0	0	0	0
1	0	1	0
1	1	1	0
1	0	0	0
0	0	0	0

6 2023- $(1\bar{4}3\bar{5})$ -2038 patterns

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                                2032 (1\bar{4}00)
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     2035 (1\bar{4}00)
                                2036 (1\bar{4}00)
                                                               2037 (1\bar{4}00)
                                                                                            2038 (1\bar{4}00)
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7 1957-2553 patterns

y	ear												patte	ern											
greg[d]	chron[c]	\bar{C}	\bar{B}	\bar{A}	9	8	7	<u>ē</u>	5	4	3	$\bar{2}$	ī	0	1	2	3	4	5	6	7	8	9	A	В
1957	1400	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1958	1401	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1959	1402	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1960	1403	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1961	1404	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1962	1405	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1963	1406	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1964	1407	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1965	1408	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1966	1409	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1967	$1\bar{4}0A$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
1968	$1\bar{4}0B$	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	0	-1
1969	$1\bar{4}0\bar{B}$ $1\bar{4}1\bar{C}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1970	$1\bar{4}\bar{B}$	-1	0	0	0	-1	1	0	0	0	1	1	0		1	0	1	1	0	0	0	0	0	0	0
1970	$1\overline{4}B$ $1\overline{4}1\overline{A}$	-1	0	0	0	0	0	0	0	1	0	1		0	1	1	0	1	0	0	1	0	-1	0	0
1971	141A 1419	-1	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
1973 1974	1418 $1\bar{4}1\bar{7}$	-1	0	-1 0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0
1975	1416	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1976	1415	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	0	0	-1	0
1977	1414	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1978	1413	0	0	0	0	-1	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1979	1412	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
1980	1411	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1981	1410	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1982	1411	0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
1983	1412	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1984	1413	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1985	1414	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1986	1415	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1987	1416	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1988	1417	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1989	1418	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1990	1419	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1991	141A	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1992	141B	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1993	$1\bar{4}2\bar{C}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1994	$1\bar{4}2\bar{B}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1995	$1\bar{4}2\bar{A}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1996	1429	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1997	1428	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	0	-1
1998	1427	0	0	0	-1	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1999	1426	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2000	1425	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
2001	1424	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2002	1423	0	0	0	-1	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2003	1422	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2004	1421	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
2005	$1\bar{4}20$	0	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2006	1421	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2007	$1\bar{4}22$	-1	0	0	0	-1	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0

2008	1423	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2009	1424	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2010	$1\bar{4}25$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2011	$1\bar{4}26$	0	0	0	0	-1	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
2012	1427	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2013	$1\bar{4}28$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2014	1429	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2015	$1\bar{4}2A$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2016	$1\bar{4}2B$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2017	$1\bar{4}3\bar{C}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2018	$1\bar{4}3\bar{B}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2019	$1\bar{4}3\bar{A}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2020	$1\bar{4}3\bar{9}$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2021	$1\bar{4}3\bar{8}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2022	$1\bar{4}3\bar{7}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2023	$1\bar{4}3\bar{6}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2024	$1\bar{4}3\bar{5}$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2025	$1\bar{4}3\bar{4}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2026	$1\bar{4}3\bar{3}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2027	$1\bar{4}3\bar{2}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2028	$1\bar{4}3\bar{1}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2029	$1\bar{4}30$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
2030	1431	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2031	1432	0	0	0	-1	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2032	1433	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2033	1434	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
2034	1435	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2035	1436	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2036	1437 1438	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2037	1438	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	0	-1	0	-1
2039	1439 143A	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2040	143A 143B	-1	0	0	0	-1	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2041	$1\bar{4}4\bar{C}$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2042	$1\bar{4}4\bar{B}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2043	$1\bar{4}4ar{A}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2044	$1\bar{4}4\bar{9}$	-1	0	0	0	-1	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
2045	$1\bar{4}4\bar{8}$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2046	$1\bar{4}4\bar{7}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2047	$1\bar{4}4\bar{6}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2048	$1\bar{4}4\bar{5}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2049	$1\bar{4}4\bar{4}$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2050	$1\bar{4}4\bar{3}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2051	$1\bar{4}4\bar{2}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2052	$1\bar{4}4\bar{1}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2053	$1\bar{4}40$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2054	1441	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2055	$1\bar{4}42$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2056	1443	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2057	1444	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2058	1445	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2059	1446	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2060	1447	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2061	1448	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2062	$1\bar{4}49$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0

2063	$1\bar{4}4A$	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2064	144B	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2065	$1\bar{4}5\bar{C}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2066	$1\bar{4}5\bar{B}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
2067	$1\bar{4}5\bar{A}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2068	1459	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2069	$1\bar{4}5\bar{8}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2070	1457	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2071	$1\bar{4}5\bar{6}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2072	$1\bar{4}5\bar{5}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2073	$1\bar{4}5\bar{4}$	-1	0	0	0	-1	1	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
2074	$1\bar{4}5\bar{3}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2075	$1\bar{4}5\bar{2}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2076	$1\bar{4}5\bar{1}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2077	$1\bar{4}50$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2078	$1\bar{4}51$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2079	$1\bar{4}52$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2080	$1\bar{4}53$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2081	$1\bar{4}54$	0	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2082	$1\bar{4}55$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2083	$1\bar{4}56$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2084	$1\bar{4}57$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2085	$1\bar{4}58$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2086	$1\bar{4}59$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2087	$1\bar{4}5A$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2088	$1\bar{4}5B$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2089	$1\bar{4}6\bar{C}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2090	$1\bar{4}6\bar{B}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2091	$1\bar{4}6\bar{A}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2092	1469	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2093	1468	0	0	0	-1	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2094	1467	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2095	1466	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
2096	$1\bar{4}6\bar{5}$ $1\bar{4}6\bar{4}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2097	1464	-1	0	0	-1	0	0	0	0	0	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0
2098	$1\bar{4}6\bar{2}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2100	1461	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2101	1460	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2102	1461	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
2103	1462	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2104	1463	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2105	$1\bar{4}64$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2106	1465	-1	0	0	0	-1	1	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2107	1466	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2108	1467	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2109	1468	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2110	1469	-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2111	$1\bar{4}6A$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2112	$1\bar{4}6B$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2113	$1\bar{4}7\bar{C}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2114	$1\bar{4}7\bar{B}$	0	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2115	$1\bar{4}7ar{A}$	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	1	-1	0	0
2116	$1\bar{4}7\bar{9}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2117	$1\bar{4}7\bar{8}$	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1

	.7==																								
2118	1477	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2119	1476	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2120	1475	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2121	1474	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2122	1473	0	0	0	-1	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2123	1472	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2124	1471	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2125	1470	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2126	1471	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2127	1472	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2128	1473	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
2129	1474	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2130	1475	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2131	1476	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2132	1477	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2133	1478	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2134	1479	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2135	147A	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
2136	147B	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2137	148C	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2138	$1\bar{4}8\bar{B}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2139	148Ā	-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2140	1489	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2141	1488	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2142	1487	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2143	1486	-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2144	1485	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	1	-1	0	0
2145	1484	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2146	1483	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2147	1482	0	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2148	1481	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2149	1480	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2150	1481	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2151	1482	0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2152	1483	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2153	1484	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2154	1485	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2155	1486	0	0	0	-1	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2156	1487	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2157	1488	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
2158	1489	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2159	148A	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2160	148B	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2161	149 <i>C</i>	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2162	149B	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2163	149A	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2164	1499	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
2165	1498	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2166	1497	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2167	1496	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2168	1495	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2169	1494	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2170	1493	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2171	1492	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2172	$1\bar{4}9\bar{1}$	-1	0	0	0	-1	1	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0

01.50	1700									-		-		-	-			-			-		-		
2173	1490 1491	0	-1 -1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2174 2175	1491	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2176	1492	-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2177	1494	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	0	1	-1	0	0
2178	1495	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2179	1496	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2180	1497	-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2181	1498	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2182	1499	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2183	$1\bar{4}9A$	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	1	0	0	0	0	0	-1
2184	$1\bar{4}9B$	0	0	0	-1	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2185	$1\bar{4}A\bar{C}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2186	$1\bar{4}A\bar{B}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2187	$1\bar{4}A\bar{A}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2188	$1\bar{4}A\bar{9}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2189	$1\bar{4}A\bar{8}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2190	$1\bar{4}A\bar{7}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2191	$1\bar{4}A\bar{6}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2192	$1\bar{4}A\bar{5}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2193	$1\bar{4}A\bar{4}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
2194	$1\bar{4}A\bar{3}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2195	$1\bar{4}A\bar{2}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2196	$1\bar{4}A\bar{1}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2197	$1\bar{4}A0$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2198	$1\bar{4}A1$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2199	$1\bar{4}A2$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2200	$1\bar{4}A3$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2201	$1\bar{4}A4$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2202	$1\bar{4}A5$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2203	$1\bar{4}A6$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2204	$1\bar{4}A7$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2205	$1\bar{4}A8$	-1	0	0	0	-1	1	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2206	$1\bar{4}A9$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	-1	0	0
2207	$1\bar{4}AA$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2208	$1\bar{4}AB$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2209	$1\bar{4}B\bar{C}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2210	$1\bar{4}B\bar{B}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	0	1	-1	0	0
2211	14BA	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2212	$1\bar{4}B\bar{9}$ $1\bar{4}B\bar{8}$	0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	1	0	0	0	0	0	0
2213 2214	$14B8$ $1\bar{4}B\bar{7}$	-1 -1	0	0	0	-1	0	0	0	0	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0
2214	$14B7$ $1\bar{4}B\bar{6}$	-1	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2216	14B6 $1\bar{4}B\bar{5}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2217	14B5 $1\bar{4}B\bar{4}$	0	0	0	-1	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2217	$1\overline{4}B\overline{3}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2219	$1\overline{4}B\overline{2}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	-1	0
2220	$1\overline{4}B\overline{1}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2221	$1\bar{4}B0$	0	0	0	-1	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2222	$1\bar{4}B1$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2223	$1\bar{4}B2$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2224	$1\bar{4}B3$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2225	$1\bar{4}B4$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2226	$1\bar{4}B5$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2227	$1\bar{4}B6$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0

2222	47.D=																								
2228	14B7	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2229	14B8	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2230	14B9	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2231	14BA	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2232	14BB	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2233	14CC	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2234	$1\bar{4}C\bar{B}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2235	$1\bar{4}C\bar{A}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2236	14C9	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2237	14C8	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2238	$1\bar{4}C\bar{7}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2239	$1\bar{4}C\bar{6}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	-1	0	0
2240	$1\bar{4}C\bar{5}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2241	$1\bar{4}C\bar{4}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2242	$1\bar{4}C\bar{3}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2243	$1\bar{4}C\bar{2}$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	1	-1	0	0
2244	$1\bar{4}C\bar{1}$	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2245	$1\bar{3}C0$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2246	$1\bar{3}C1$ $1\bar{3}C2$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	0	0	0	0	0	0	0
	_	0	-1	0	0		0	0	0	0	1	1	0	1	1	0	1	1		0		0	0		
2248 2249	$13C3$ $1\bar{3}C4$	0	-1	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	0	0	1	0	0	0	-1	-1
	13C4 $1\bar{3}C5$	0	0	-1	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2250 2251	13C6	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2252	$1\bar{3}C7$		-1	0	0	0			0			1		1			0		0		1	0	0	-1	0
2253	13C7 13C8	0	0	-1	0	0	0	0	1	0	0	1	0	0	1	1	0	1	0	1	0		0	0	-1
2254	13C8 13C9	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1		0	1	0	0	0	0	0	0
2255	13C 9 13CA	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
2256	$1\bar{3}CB$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2257	$1\bar{3}C\bar{C}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2258	$1\bar{3}C\bar{B}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2259	$1\bar{3}C\bar{A}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2260	$1\bar{3}C\bar{9}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2261	$1\bar{3}C\bar{8}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2262	$1\bar{3}C\bar{7}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2263	$1\bar{3}C\bar{6}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2264	$1\bar{3}C\bar{5}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2265	$1\bar{3}C\bar{4}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2266	$1\bar{3}C\bar{3}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2267	$1\bar{3}C\bar{2}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2268	$1\bar{3}C\bar{1}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2269	$1\bar{2}C0$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2270	$1\bar{2}C1$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2271	$1\bar{2}C2$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2272	$1\bar{2}C3$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	-1	0	0
2273	$1\bar{2}C4$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2274	$1\bar{2}C5$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2275	$1\bar{2}C6$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2276	$1\bar{2}C7$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	1	-1	0	0
2277	$1\bar{2}C8$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2278	$1\bar{2}C9$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	1	0	0	1	0	0	0	0	0
2279	$1\bar{2}CA$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2280	$1\bar{2}CB$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2281	$1\bar{2}C\bar{C}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2282	$1\bar{2}C\bar{B}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
		и -				-					-			-			-		-			-			

2283	$1\bar{2}C\bar{A}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2284	$1\bar{2}C\bar{9}$	-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2285	$1\bar{2}C\bar{8}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2286	$1\bar{2}C\bar{7}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2287	$1\bar{2}C\bar{6}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2288	$1\bar{2}C\bar{5}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2289	$1\bar{2}C\bar{4}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2290	$1\bar{2}C\bar{3}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2291	$1\bar{2}C\bar{2}$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2292	$1\bar{2}C\bar{1}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2293	$1\bar{1}C0$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2294	$1\bar{1}C1$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2295	$1\bar{1}C2$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2296	$1\bar{1}C3$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2297	$1\bar{1}C4$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2298	$1\bar{1}C5$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2299	$1\bar{1}C6$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2300	$1\bar{1}C7$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2301	$1\bar{1}C8$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2302	$1\bar{1}C9$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2303	$1\bar{1}CA$	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2304	11CB	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2305	1ĪCC	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	-1	0	0
2306	11CB	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2307	$1\bar{1}C\bar{A}$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2308	$1\bar{1}C\bar{9}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2309	$1\bar{1}C\bar{8}$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	1	-1	0	0
2310 2311	$1\bar{1}C\bar{7}$ $1\bar{1}C\bar{6}$	0	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2312	$1\bar{1}C\bar{5}$	-1	0	0	-1 0	-1	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2313	$1\bar{1}C\bar{4}$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2314	$1\bar{1}C\bar{3}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2315	$1\bar{1}C\bar{2}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2316	$1\bar{1}C\bar{1}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2317	10C0	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2318	10C1	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2319	10C2	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2320	10C3	0	0	0	-1	0	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2321	10C4	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2322	10C5	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	-1	0
2323	10C6	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2324	10C7	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2325	10C8	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2326	10C9	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2327	10CA	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2328	10CB	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2329	$10C\bar{C}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2330	$10C\bar{B}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2331	$10C\bar{A}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2332	10C9	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2333	10C8	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2334	10C7	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2335	10C6	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2336	10C5	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2337	10C4	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0

	2338	$10C\bar{3}$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	-1	0	0
1400 1400 1400 1100			_																							
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2348			_																							
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1		_																								
11C6																										
2360		_																								
11C4																										
2362 11C3																										
2363																										
2364																										
2365			0		-1																					
2367		12C0			0	-1		0		1		0		1	0	1			0		0		0	0		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2366	12C1	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2369	2367	12C2	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2370	2368	12C3	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2369	12C4	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2370	12C5	-1	0	0	0	0	-1	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2371	12C6	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	1	-1	0	0
2374 12C9	2372	12C7	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2373	12C8	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2374	12C9	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2375	12CA	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	1	-1	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2376	12CB	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2377	$12C\bar{C}$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2378	$12C\bar{B}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2379	$12C\bar{A}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2382	2380	$12C\bar{9}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	0	-1
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2381	$12C\bar{8}$	0	0	-1	0	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2384	2382	$12C\bar{7}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2383	$12C\bar{6}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2386	2384	$12C\bar{5}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2385	$12C\bar{4}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2388 12Cī 0 -1 0 0 0 0 0 1 0 1 0 1 0 1 0<	2386	$12C\bar{3}$	-1	0	0	0	-1	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2389 13C0 0 0 -1 0 0 0 0 1 0 1 0 1 1 0 1 0 1 0 0 0 0	2387	$12C\bar{2}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2390 13C1 0 0 0 -1 0 0 0 1 0 1 0 1 0 1 1 0 1 0 1	2388	$12C\bar{1}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2391 13C2 -1 0 0 0 0 0 0 0 0 1 0 1 1 0 1 1 0 0 0 0	2389	13C0	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
	2390	13C1	0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
	2391	13C2	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2392 13C3 0 -1 0 0 0 0 0 1 0 1 0 1 1 0 1 1 0 0 1 0 -1 0	2392	13C3	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0

	10.071																								
2393	13C4	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2394	13C5	0	0	0	-1	0	0	0	1	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0
2395	13C6	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2396	13C7	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2397	13C8	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2398	13C9	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2399	13CA	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2400	13CB	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2401	$13C\bar{C}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2402	13CB	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2403	$13C\bar{A}$	-1	0	0	0	0	-1	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2404	13C9	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	1	-1	0	0
2405	13C8	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2406	13C7	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2407	13C6	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2408	13C5	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	-1	0	0
2409	13C4	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2410	$13C\bar{3}$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2411	$13C\bar{2}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2412	$13C\bar{1}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2413	14C0	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	0	-1
2414	14C1	0	0	0	-1	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2415	14C2	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2416	14C3	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2417	14C4	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2418	14C5	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2419	14C6	-1	0	0	0	-1	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2420	14C7	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2421	14C8	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2422	14C9	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2423	14CA	0	0	0	-1	0	0	0	1	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0
2424	14CB	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2425	14CC	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2426	$14C\bar{B}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2427	14CĀ	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2428	$14C\bar{9}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2429	14C8	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2430	14C7	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2431	14C6	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2432	$14C\bar{5}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2433	$14C\bar{4}$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2434	14C3	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2435	$14C\bar{2}$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2436	$14C\bar{1}$	-1	0	0	0	0	-1	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2437	15C0	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	-1	0	0
2438	15C1	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2439	15C2	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2440	15C3	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2441	15C4	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	-1	0	0
2442	15C5	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	0	0	-1
2443	15C6	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2444	15C7	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2445	15C8	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2446	15C9	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	-1
2447	15CA	0	0	0	-1	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0

2448	15CB	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2449	$15C\bar{C}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2450	$15C\bar{B}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	-1
2451	$15C\bar{A}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2452	$15C\bar{9}$	-1	0	0	0	-1	0	0	1	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0
2453	$15C\bar{8}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2454	$15C\bar{7}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2455	$15C\bar{6}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2456	$15C\bar{5}$	0	0	0	-1	0	0	0	1	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0
2457	$15C\bar{4}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2458	$15C\bar{3}$	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2459	$15C\bar{2}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2460	$15C\bar{1}$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0
2461	16C0	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2462	16C1	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2463	16C2	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2464	16C3	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2465	16C4	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2466	16C5	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2467	16C6	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2468	16C7	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2469	16C8	-1	0	0	0	0	-1	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2470	16C9	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	0	-1	0
2471	16CA	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2472	16CB	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2473	16 <i>C</i> \bar{C}	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2474	16CB	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	-1	0	0
2475	16CĀ	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	-1
2476	16C9	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2477 2478	$16C\bar{8}$ $16C\bar{7}$	-1	-1	0	0	-1	0	0	0	0	1	0	1	1	0	0	1	0	1	0	0	0	0	0	0
2479	16C 7	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	-1
2480	$16C\overline{5}$	0	0	0	-1	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2481	$16C\bar{4}$	-1	0	0	0	-1	0	0	1	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0
2482	$16C\bar{3}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2483	$16C\bar{2}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	-1
2484	$16C\bar{1}$	0	0	-1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2485	17C0	-1	0	0	0	-1	0	0	1	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0
2486	17C1	0	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2487	17C2	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2488	17C3	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0
2489	17C4	-1	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2490	17C5	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2491	17C6	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2492	17C7	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2493	17C8	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0
2494	17C9	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2495	17CA	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2496	17CB	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2497	17 <i>C</i> \bar{C}	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2498	$17C\bar{B}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2499	17 <i>CĀ</i>	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	0	-1	0
2500	17C9	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2501	17C8	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2502	$17C\overline{7}$	-1	0	0	0	0	-1	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0

2503	$17C\bar{6}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	-1	0	0
2504	17C5	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	-1
2505	$17C\bar{4}$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2506	$17C\bar{3}$	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2507	$17C\bar{2}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	-1	0	0
2508	$17C\bar{1}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	-1
2509	18C0	0	0	0	-1	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2510	18C1	-1	0	0	0	-1	0	1	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2511	18C2	0	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2512	18C3	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	-1
2513	18C4	0	0	0	-1	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2514	18C5	-1	0	0	0	-1	0	0	1	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0
2515	18C6	0	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2516	18C7	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	-1
2517	18C8	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0
2518	18C9	-1	0	0	0	-1	0	0	1	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0
2519	18CA	0	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2520	18CB	0	-1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2521	$18C\bar{C}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0
2522	$18C\bar{B}$	-1	0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0
2523	$18C\bar{A}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2524	$18C\bar{9}$	0	-1	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	1	0	0	-1	0
2525	$18C\bar{8}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2526	$18C\overline{7}$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2527	$18C\bar{6}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2528	$18C\bar{5}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	-1	0
2529	$18C\bar{4}$	0	0	-1	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	-1
2530	$18C\bar{3}$	0	0	0	-1	0	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0
2531	$18C\bar{2}$	-1	0	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2532	$18C\bar{1}$	0	-1	0	0	0	0	0	0	0	1	0	1	1	1	0	1	0	1	0	0	1	0	-1	0

$$\frac{\partial f_i}{\partial t} + \frac{\mathbf{p}_i}{m_i} \cdot \nabla f_i + \mathbf{F} \cdot \frac{\partial f_i}{\partial \mathbf{p}_i} = \sum_{j=1}^n \iint g_{ij} I_{ij}(g_{ij}, \Omega) [f_i' f_j' - f_i f_j] d\Omega d^3 \mathbf{p}'$$

8 1957-2553 patterns

yea	ır												patt	ern											
1891	09	0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1892	1	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1891	09	0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1892	1	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1893	2	0	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	-1	0
1894	3	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1895	4	0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1896	5	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0	0

1007			- 1		- 0			0	0	-		1	-	0	-	-	0	1	0	1	0	0	- 0	1	
1897 1898	6 7	0	-1	-1	0	0	0	0	1	0	0	0	1	0	0	1	1	0	1	0	0	0	0	-1	-1
1899	8	0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
1900	9	-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1901	a	0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1902	b	0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1903		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1904		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1905		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1906		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1907		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1908		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1909		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1910		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1911		0	0	0	-1	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1912		-1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1913		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1914		0	-1	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	0	1	0	0	0	0	-1
1915		0	0	-1	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1916		-1	0	0	0	-1	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1917		-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1918		0	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
1919		0	0	-1	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1920		-1	0	0	0	-1	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1921		-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1922		0	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	-1	0
1923		0	0	-1	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	-1
1924		0	0	0	0	-1	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1925		-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1926		0	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	-1	0
1927		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1928		0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1929		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1930		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1931		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1932		0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
1933		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1934		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1935		0	0	-1	1	0	0	0	0	0	1	0	1	1	0	0	1	0	1	0	0	0	0	0	-1
1936 1937		0	0	0	-1	0	0	0	0	0	0	0	1	1	1		0		0		0	0	0	0	0
1937		-1	-1	0	0	0	0	0	0	1	0	1	0	0	1	1	0	1	0	1	0	0	0	-1	0
1938		0	-1	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1939		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1940		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1941		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1943		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1944		0	0	0	-1	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1945		-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1946		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
1947		0	-1	0	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
1948		0	0	-1	0	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1949		-1	0	0	0	-1	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1950		-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1951		0	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
												-		-		-	-			-					

1050	1 1								-								-		-	-					
1952 1953		-1	0	-1	0	-1	0	1	0	0	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0
1954		-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1955		0	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	-1	0
1956		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1957		0	0	0	0	-1	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1958		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
1959		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1960		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1961		0	0	0	-1	0	0	1	0	0	1	1	0	1	1	0	1	0	1	0	0	0	0	0	0
1962		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
1963		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1964		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1965		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1966		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1967		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1968		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1969		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1970		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1971		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1972		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1973		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1974		-1	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1975		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1976		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1977		0	0	0	-1	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1978		-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1979		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
1980		0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
1981		0	0	0	-1	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1982		-1	0	0	0	-1	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1983		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1984		0	-1	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
1985		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
1986		-1	0	0	0	-1	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
1987		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
1988		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
1989		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1990		0	0	0	0	-1	0	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0
1991 1992		-1	0	0	0	0	0	0	0	1		1		0	1	1	0	1	0	0	0	0	-1	1	0
1992		0	-1	-1	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	0	0	0	0	-1 0	-1
1993		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1994		-1	0	0	-1	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
1995		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
1997		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1998		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
1999		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2000		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2001		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2002		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2003		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2004		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2005		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2006		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
_000											-			-	-		-		-						

2007		-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2008		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2009		0	0	-1	0	0	0	0	1	0	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2010		0	0	0	-1	0	0	0	1	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2011		-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2012		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	0	-1	0
2013		0	0	-1	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	1	0	0	0	0	-1
2014		0	0	0	-1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2015		-1	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2016		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
2017		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	1	0	0	1	0	0	0	0	-1
2018		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2019		-1	0	0	0	-1	1	0	0	0	1	1	0	1	1	0	1	1	0	0	0	0	0	0	0
2020		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2021		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	0	-1
2022		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	0
2023		-1	0	0	0	-1	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2024		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	1	0	-1	0	0
2025		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2026		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2027		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2028		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2029		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2030		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
2031		0	0	0	-1	0	0	1	0	0	1	0	1	1	1	0	1	0	1	0	0	0	0	0	0
2032		-1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	1	0	0	0	0	0	0	0
2033		0	-1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	0	-1	0
2034		0	0	-1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	-1
1892	1	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1892	1	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1892	1	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0
1892	1	-1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	1	0	-1	0	0