MAX+plus II Compiler Report File
Version 10.23 07/09/2003
Compiled: 03/22/2006 04:12:27

***** Project compilation was successful

Untitled

** DEVICE SUMMARY **

Chip/ POF	Device	Input Pins	Output Pins	Bidir Pins	LCs	LCs % Utilized
calendar2						
	EPF8452ALC84-3	13	21	0	310	92 %
User Pins:		13	21	0		

Project Information f:\max2work\calendar2.rpt

** FILE HIERARCHY **

|bcddecode:ledout|

Device-Specific Information: f:\max2work\calendar2.rpt
calendar2

***** Logic for device 'calendar2' compiled without errors.

Device: EPF8452ALC84-3

FLEX 8000 Configuration Scheme: Active Serial

Device Options:
    User-Supplied Start-Up Clock = OFF
    Auto-Restart Configuration on Frame Error = OFF
    Release Clears Before Tri-States = OFF
    Enable DCLK Output in User Mode = OFF
    Disable Start-Up Time-Out = OFF

** ERROR SUMMARY **

Info: Chip 'calendar2' in device 'EPF8452ALC84-3' has less than 20% of logic cells available for future logic changes -- if your project is likely to change, Altera recommends using a larger device

```
                 ^
                 C
                 O     R  R  R        R  R  R     R  R  R  R     R     R  R
                 N     E  E  E        E  E  E     E  E  E  E     E     E  E
                 F     S  S  S  V     S  S  S  V  S  S  S  S  V  S  *  S  S
                    ^  E  E  E  A     E  E  E  A  E  E  E  E  C  E  S  E  E
                 _  D  R  R  R  L     R  R  R  L  R  R  R  R  C  R  D  R  R  ^
                 D  C  V  V  V  U  G  V  V  V  U  V  V  V  V  I  V  O  V  V  n
                 O  L  E  E  E  E  N  E  E  E  E  E  E  E  E  N  E  U  E  E  S
                 N  K  D  D  D  2  D  D  D  D  5  D  D  D  D  T  D  T  D  D  P
               ----------------------------------------------------------------
              /  11 10  9  8  7  6  5  4  3  2  1 84 83 82 81 80 79 78 77 76 75   |
   CLOCK1M | 12                                                              74 | ^MSEL0
    VALUE6 | 13                                                              73 | VALUE4
    +DATA0 | 14                                                              72 | segment5
    VALUE7 | 15                                                              71 | segment6
   SELECT1 | 16                                                              70 | SELECT0
    VCCINT | 17                                                              69 | SELECT2
OEMINUTE01 | 18                                                              68 | GND
OEYEAR1000 | 19                                                              67 | segment2
  segment1 | 20                                                              66 | RESERVED
  segment4 | 21                                                              65 | segment0
  OEHOUR10 | 22                      EPF8452ALC84-3                          64 | RESERVED
 OEMONTH10 | 23                                                              63 | segment3
  RESERVED | 24                                                              62 | OESECOND01
  OEHOUR01 | 25                                                              61 | OEYEAR0001
       GND | 26                                                              60 | OESECOND10
OEMINUTE10 | 27                                                              59 | VCCINT
   OEDAY10 | 28                                                              58 | OEMONTH01
   OEDAY01 | 29                                                              57 | RESERVED
OEYEAR0010 | 30                                                              56 | OEYEAR0100
    VALUE3 | 31                                                              55 | RESERVED
  ^nSTATUS | 32                                                              54 | VALUE1
           |_  33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53  _|
             ----------------------------------------------------------------
                ^  R  n  R  V  V  R  R  R  R  R  R  R  R  G  R  R  R  R  V  ^
                n  E  P  E  A  C  E  E  E  E  E  E  E  E  N  E  E  E  E  C  M
                C  S  R  S  L  C  S  S  S  S  S  S  S  S  D  S  S  S  S  C  S
                O  E  E  E  U  I  E  E  E  E  E  E  E  E     E  E  E  E  I  E
                N  R  S  R  E  N  R  R  R  R  R  R  R  R     R  R  R  R  N  L
                F  V  E  V  0  T  V  V  V  V  V  V  V  V     V  V  V  V  T  1
                I  E  T  E        E  E  E  E  E  E  E  E     E  E  E  E
                G  D     D        D  D  D  D  D  D  D  D     D  D  D  D
```

N.C. = No Connect. This pin has no internal connection to the device.
VCCINT = Dedicated power pin, which MUST be connected to VCC (5.0 volts).
VCCIO = Dedicated power pin, which MUST be connected to VCC (5.0 volts).
GND = Dedicated ground pin or unused dedicated input, which MUST be connected to GND.
RESERVED = Unused I/O pin, which MUST be left unconnected.

^ = Dedicated configuration pin.
+ = Reserved configuration pin, which is tri-stated during user mode.
* = Reserved configuration pin, which drives out in user mode.
PDn = Power Down pin.
@ = Special-purpose pin.

** RESOURCE USAGE **

Logic Array Block	Logic Cells	Column Interconnect Driven	Row Interconnect Driven	Clocks	Clears/ Presets	External Interconnect
A1	7/ 8(87%)	0/ 8(0%)	1/ 8(12%)	0/2	0/2	20/24(83%)
A2	7/ 8(87%)	0/ 8(0%)	1/ 8(12%)	0/2	0/2	22/24(91%)
A3	7/ 8(87%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	14/24(58%)
A4	7/ 8(87%)	3/ 8(37%)	7/ 8(87%)	0/2	0/2	4/24(16%)
A5	8/ 8(100%)	0/ 8(0%)	4/ 8(50%)	0/2	0/2	6/24(25%)
A6	8/ 8(100%)	2/ 8(25%)	2/ 8(25%)	0/2	0/2	14/24(58%)
A7	8/ 8(100%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	9/24(37%)
A8	7/ 8(87%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	7/24(29%)
A9	7/ 8(87%)	0/ 8(0%)	4/ 8(50%)	0/2	0/2	5/24(20%)
A10	7/ 8(87%)	1/ 8(12%)	7/ 8(87%)	1/2	1/2	8/24(33%)
A11	7/ 8(87%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	7/24(29%)
A12	8/ 8(100%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	7/24(29%)
A13	7/ 8(87%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	17/24(70%)
A14	8/ 8(100%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	8/24(33%)
A15	8/ 8(100%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	19/24(79%)
A16	7/ 8(87%)	1/ 8(12%)	3/ 8(37%)	1/2	1/2	10/24(41%)
A17	7/ 8(87%)	1/ 8(12%)	4/ 8(50%)	1/2	1/2	10/24(41%)
A18	8/ 8(100%)	1/ 8(12%)	4/ 8(50%)	1/2	1/2	10/24(41%)
A19	7/ 8(87%)	1/ 8(12%)	4/ 8(50%)	1/2	1/2	7/24(29%)
A20	7/ 8(87%)	0/ 8(0%)	7/ 8(87%)	1/2	1/2	21/24(87%)
A21	8/ 8(100%)	1/ 8(12%)	2/ 8(25%)	1/2	1/2	11/24(45%)
B1	7/ 8(87%)	7/ 8(87%)	7/ 8(87%)	0/2	0/2	4/24(16%)
B2	7/ 8(87%)	7/ 8(87%)	6/ 8(75%)	0/2	0/2	4/24(16%)
B3	7/ 8(87%)	3/ 8(37%)	6/ 8(75%)	1/2	1/2	17/24(70%)
B4	8/ 8(100%)	0/ 8(0%)	2/ 8(25%)	1/2	1/2	6/24(25%)
B5	7/ 8(87%)	0/ 8(0%)	5/ 8(62%)	1/2	1/2	4/24(16%)
B6	7/ 8(87%)	0/ 8(0%)	2/ 8(25%)	1/2	1/2	2/24(8%)
B7	7/ 8(87%)	3/ 8(37%)	3/ 8(37%)	1/2	1/2	13/24(54%)
B8	8/ 8(100%)	3/ 8(37%)	3/ 8(37%)	1/2	1/2	7/24(29%)
B9	7/ 8(87%)	0/ 8(0%)	4/ 8(50%)	0/2	0/2	7/24(29%)
B10	8/ 8(100%)	0/ 8(0%)	2/ 8(25%)	1/2	1/2	2/24(8%)
B11	8/ 8(100%)	2/ 8(25%)	3/ 8(37%)	1/2	1/2	9/24(37%)
B12	8/ 8(100%)	1/ 8(12%)	5/ 8(62%)	1/2	1/2	8/24(33%)
B13	8/ 8(100%)	2/ 8(25%)	3/ 8(37%)	1/2	1/2	7/24(29%)
B14	8/ 8(100%)	2/ 8(25%)	3/ 8(37%)	1/2	1/2	7/24(29%)
B15	7/ 8(87%)	1/ 8(12%)	4/ 8(50%)	0/2	0/2	13/24(54%)
B16	7/ 8(87%)	0/ 8(0%)	2/ 8(25%)	1/2	1/2	4/24(16%)
B17	7/ 8(87%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	9/24(37%)
B18	7/ 8(87%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	5/24(20%)
B19	8/ 8(100%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	5/24(20%)
B20	7/ 8(87%)	1/ 8(12%)	3/ 8(37%)	1/2	1/2	12/24(50%)
B21	7/ 8(87%)	1/ 8(12%)	3/ 8(37%)	1/2	1/2	8/24(33%)

Total dedicated input pins used:	4/4	(100%)
Total I/O pins used:	32/64	(50%)
Total logic cells used:	310/336	(92%)
Average fan-in:	3.50/4	(87%)
Total fan-in:	1085/1344	(80%)

Total input pins required:	13
Total input I/O cell registers required:	0
Total output pins required:	21
Total output I/O cell registers required:	0
Total buried I/O cell registers required:	0
Total bidirectional pins required:	0
Total reserved pins required	2
Total logic cells required:	310
Total flipflops required:	87
Total logic cells in carry chains:	0
Total number of carry chains:	0
Total logic cells in cascade chains:	0
Total number of cascade chains:	0

Synthesized logic cells:	102/ 336	(30%)

Logic Cell Counts

Column:	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	Total
A:	7	7	7	7	8	8	8	7	7	7	7	8	7	8	8	7	7	8	7	7	8	155
B:	7	7	7	8	7	7	7	8	7	8	8	8	8	8	7	7	7	7	8	7	7	155
Total:	14	14	14	15	15	15	15	15	14	15	15	16	15	16	15	14	14	15	15	14	15	310

Device-Specific Information: f:\max2work\calendar2.rpt
calendar2

** INPUTS **

Pin	LC	Row	Col	Primitive	Code	Fan-In INP	Fan-In FBK	Fan-Out OUT	Fan-Out FBK	Name
12	-	-	--	INPUT	G	0	0	0	0	CLOCK1M
35	-	-	03	INPUT		0	0	0	11	nPRESET
70	-	A	--	INPUT		0	0	0	8	SELECT0
16	-	A	--	INPUT		0	0	0	8	SELECT1
69	-	A	--	INPUT		0	0	0	8	SELECT2
37	-	-	05	INPUT		0	0	0	7	VALUE0
54	-	-	--	INPUT		0	0	0	7	VALUE1
6	-	-	06	INPUT		0	0	0	7	VALUE2
31	-	-	--	INPUT		0	0	0	7	VALUE3
73	-	-	--	INPUT		0	0	0	7	VALUE4
1	-	-	11	INPUT		0	0	0	6	VALUE5
13	-	A	--	INPUT		0	0	0	4	VALUE6
15	-	A	--	INPUT		0	0	0	2	VALUE7

Code:

s = Synthesized pin or logic cell
+ = Synchronous flipflop
/ = Slow slew-rate output
! = NOT gate push-back
r = Fitter-inserted logic cell
G = Global Source. Fan-out destinations counted here do not include destinations that are driven using global routing resources. Refer to the Auto Global Signals, Clock Signals, Clear Signals, Synchronous Load Signals, and Synchronous Clear Signals Sections of this Report File for information on which signals' fan-outs are used as Clock, Clear, Preset, Output Enable, and synchronous Load signals.

Device-Specific Information: f:\max2work\calendar2.rpt
calendar2

** OUTPUTS **

Pin	Fed By LC	Row	Col	Primitive	Code	Fan-In INP	Fan-In FBK	Fan-Out OUT	Fan-Out FBK	Name
29	-	B	--	OUTPUT		0	1	0	0	OEDAY01
28	-	B	--	OUTPUT		0	1	0	0	OEDAY10
25	-	B	--	OUTPUT		0	1	0	0	OEHOUR01
22	-	B	--	OUTPUT		0	1	0	0	OEHOUR10
18	-	A	--	OUTPUT		0	1	0	0	OEMINUTE01
27	-	B	--	OUTPUT		0	1	0	0	OEMINUTE10
58	-	B	--	OUTPUT		0	1	0	0	OEMONTH01
23	-	B	--	OUTPUT		0	1	0	0	OEMONTH10
62	-	B	--	OUTPUT		0	1	0	0	OESECOND01
60	-	B	--	OUTPUT		0	1	0	0	OESECOND10
61	-	B	--	OUTPUT		0	1	0	0	OEYEAR0001
30	-	B	--	OUTPUT		0	1	0	0	OEYEAR0010
56	-	B	--	OUTPUT		0	1	0	0	OEYEAR0100
19	-	A	--	OUTPUT		0	1	0	0	OEYEAR1000
65	-	A	--	OUTPUT		0	1	0	0	segment0
20	-	A	--	OUTPUT		0	1	0	0	segment1
67	-	A	--	OUTPUT		0	1	0	0	segment2
63	-	B	--	OUTPUT		0	1	0	0	segment3
21	-	A	--	OUTPUT		0	1	0	0	segment4
72	-	A	--	OUTPUT		0	1	0	0	segment5
71	-	A	--	OUTPUT		0	1	0	0	segment6

Code:

s = Synthesized pin or logic cell
+ = Synchronous flipflop
/ = Slow slew-rate output
! = NOT gate push-back
r = Fitter-inserted logic cell

Device-Specific Information: f:\max2work\calendar2.rpt
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** BURIED LOGIC **

IOC	LC	Row	Col	Primitive	Code	Fan-In INP	Fan-In FBK	Fan-Out OUT	Fan-Out FBK	Name
-	4	A	09	AND2	!	0	4	0	1	|bcddecode:ledout|:132
-	7	A	09	AND2	s	0	3	0	1	|bcddecode:ledout|~148~1
-	2	A	09	OR2		0	4	0	3	|bcddecode:ledout|:148
-	4	A	05	OR2		0	4	0	1	|bcddecode:ledout|:163
-	7	A	05	OR2		0	4	0	2	|bcddecode:ledout|:165
-	3	A	09	OR2	s	0	4	0	2	|bcddecode:ledout|~167~1
-	2	A	05	OR2	s	0	4	0	2	|bcddecode:ledout|~171~1
-	1	A	05	OR2	s	0	4	0	1	|bcddecode:ledout|~171~2
-	6	B	12	DFF	+	1	0	0	2	counter0
-	8	B	12	DFF	+	0	2	0	1	counter1
-	2	B	13	DFF	+	0	2	0	3	counter2
-	4	B	13	DFF	+	0	3	0	2	counter3
-	3	B	12	DFF	+	0	2	0	4	counter4
-	2	B	12	DFF	+	0	3	0	3	counter5
-	7	B	19	DFF	+	0	3	0	2	counter6
-	6	B	19	DFF	+	0	2	0	4	counter7
-	4	B	19	DFF	+	0	3	0	3	counter8
-	5	B	19	DFF	+	0	3	0	2	counter9
-	5	B	18	DFF	+	0	2	0	2	counter10
-	3	B	18	DFF	+	0	2	0	3	counter11
-	7	B	18	DFF	+	0	3	0	2	counter12
-	6	B	03	DFF	+	0	2	0	3	counter13
-	1	B	03	DFF	+	0	3	0	2	counter14
-	3	B	04	DFF	+	0	2	0	4	counter15
-	4	B	04	DFF	+	0	3	0	3	counter16
-	1	B	04	DFF	+	0	3	0	2	counter17
-	5	B	03	DFF	+	0	2	0	2	counter18
-	1	B	13	DFF	+	0	3	0	1	counter19
-	1	B	20	DFF	+	0	4	0	9	DAY0
-	6	B	11	DFF	+	0	3	0	5	DAY1
-	2	B	21	DFF	+	0	3	0	5	DAY2
-	7	B	21	DFF	+	0	3	0	6	DAY3
-	7	B	11	DFF	+	0	3	0	5	DAY4
-	8	B	11	DFF	+	0	3	0	3	DAY5
-	1	B	12	DFF	+	0	1	0	3	dispcnt0
-	4	B	16	DFF	+	0	2	0	2	dispcnt1
-	3	B	16	DFF	+	0	2	0	3	dispcnt2
-	2	B	16	DFF	+	0	3	0	2	dispcnt3
-	2	B	06	DFF	+	0	2	0	3	dispcnt4
-	6	B	06	DFF	+	0	3	0	2	dispcnt5
-	5	B	06	DFF	+	0	2	0	3	dispcnt6
-	4	B	06	DFF	+	0	3	0	2	dispcnt7
-	8	B	10	DFF	+	0	2	0	4	dispcnt8
-	7	B	10	DFF	+	0	3	0	3	dispcnt9
-	6	B	10	DFF	+	0	3	0	2	dispcnt10
-	5	B	10	DFF	+	0	2	0	2	dispcnt11
-	1	B	17	DFF	+	0	2	0	3	dispcnt12
-	6	B	17	DFF	+	0	3	0	2	dispcnt13
-	2	B	18	DFF	+	0	2	0	2	dispcnt14
-	6	B	16	DFF	+	0	3	0	1	dispcnt15
-	5	B	05	DFF	+	0	2	0	17	dispsel0
-	4	B	05	DFF	+	0	3	0	17	dispsel1
-	2	B	05	DFF	+	0	3	0	16	dispsel2
-	1	B	05	DFF	+	0	3	0	15	dispsel3
-	3	A	16	DFF	+	0	3	0	6	HOUR0
-	2	A	11	DFF	+	0	3	0	6	HOUR1
-	5	A	11	DFF	+	0	3	0	5	HOUR2
-	1	A	16	DFF	+	0	2	0	4	HOUR3
-	4	A	08	DFF	+	0	3	0	4	HOUR4
-	2	A	08	DFF	+	0	3	0	3	HOUR5
-	4	A	21	OR2	!	0	4	0	1	isLeapYear
-	5	A	13	OR2	s	0	4	0	1	isLeapYear~1
-	8	A	21	OR2	s	0	3	0	1	isLeapYear~2
-	2	A	15	OR2	s	0	4	0	1	isLeapYear~3
-	3	A	07	DFF	+	0	3	0	5	MINUTE0
-	2	A	12	DFF	+	0	3	0	5	MINUTE1

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-      1    A    12        DFF   +          0    3    0    4  MINUTE2
-      6    A    12        DFF   +          0    2    0    3  MINUTE3
-      2    A    17        DFF   +          1    2    0    5  MINUTE4
-      2    A    07        DFF   +          0    3    0    4  MINUTE5
-      8    A    07        DFF   +          0    3    0    3  MINUTE6
-      6    B    07        DFF   +          0    3    0    5  MONTH0
-      2    B    14        DFF   +          0    3    0    6  MONTH1
-      8    B    14        DFF   +          0    3    0    4  MONTH2
-      6    B    14        DFF   +          0    3    0    6  MONTH3
-      7    B    07        DFF   +          0    3    0    5  MONTH4
-      1    B    07        DFF   +          0    3    0    4  SECOND0
-      5    B    08        DFF   +          0    3    0    4  SECOND1
-      6    B    08        DFF   +          0    3    0    4  SECOND2
-      1    B    08        DFF   +          0    3    0    3  SECOND3
-      6    A    19        DFF   +          0    3    0    5  SECOND4
-      3    A    19        DFF   +          0    3    0    4  SECOND5
-      7    A    18        DFF   +          0    3    0    3  SECOND6
-      1    A    21        DFF   +          1    2    0    8  YEAR0
-      3    A    21        DFF   +          0    3    0    7  YEAR1
-      5    A    14        DFF   +          0    3    0    5  YEAR2
-      6    A    14        DFF   +          0    3    0    4  YEAR3
-      4    A    20        DFF   +          1    2    0    2  YEAR4
-      3    A    10        DFF   +          1    2    0    2  YEAR5
-      1    A    03        DFF   +          1    2    0    2  YEAR6
-      7    A    03        DFF   +          1    2    0    2  YEAR7
-      4    A    10        DFF   +          1    2    0    2  YEAR8
-      7    A    13        DFF   +          1    2    0    2  YEAR9
-      7    A    10        DFF   +          1    2    0    2  YEAR10
-      3    A    13        DFF   +          1    2    0    2  YEAR11
-      2    A    10        DFF   +          1    2    0    2  YEAR12
-      8    A    15        DFF   +          1    2    0    2  YEAR13
-      7    A    15        DFF   +          1    2    0    2  YEAR14
-      5    A    20        DFF   +          1    2    0    2  YEAR15
-      2    B    03       AND2         !     0    4    1    4  :163
-      6    B    02       AND2         !     0    4    1    4  :190
-      8    B    01       AND2         !     0    4    1    4  :229
-      4    B    01       AND2         !     0    4    1    4  :269
-      1    B    01       AND2         !     0    4    1    1  :308
-      8    B    02       AND2         !     0    4    1    4  :339
-      6    B    01       AND2         !     0    4    1    2  :379
-      5    B    02       AND2         !     0    4    1    4  :414
-      3    B    01       AND2         !     0    4    1    2  :453
-      3    B    02       AND2         !     0    4    1    4  :487
-      5    B    01       AND2         !     0    4    1    3  :527
-      4    B    02       AND2         !     0    4    1    4  :565
-      2    B    01       AND2         !     0    4    1    3  :605
-      6    A    02        OR2    s    !     0    4    0    1  ~647~1
-      7    B    03        OR2    s    !     0    4    0    1  ~647~2
-      5    A    02        OR2    s    !     0    4    0    1  ~647~3
-      4    A    02        OR2    s    !     0    4    0    1  ~647~4
-      2    A    20        OR2    s    !     0    4    0    1  ~647~5
-      3    A    02        OR2    s    !     0    4    0    1  ~647~6
-      2    A    02        OR2    s    !     0    4    0    1  ~647~7
-      1    A    02       AND2    s    !     0    4    0    1  ~647~8
-      7    A    02       AND2         !     0    4    0    8  :647
-      3    A    15        OR2    s          0    4    0    1  ~650~1
-      4    A    13        OR2    s          0    4    0    1  ~650~2
-      6    A    01        OR2    s          0    4    0    1  ~650~3
-      5    A    01        OR2    s          0    3    0    1  ~650~4
-      4    A    01        OR2    s          0    4    0    1  ~650~5
-      3    A    01        OR2    s          0    4    0    1  ~650~6
-      2    A    01        OR2    s          0    4    0    1  ~650~7
-      1    A    01        OR2    s          0    3    0    1  ~650~8
-      7    A    01        OR2               0    4    0    7  :650
-      8    A    20        OR2    s    !     0    4    0    1  ~653~1
-      5    A    03        OR2    s    !     0    4    0    1  ~653~2
-      6    A    15        OR2    s    !     0    4    0    1  ~653~3
-      2    A    18        OR2    s    !     0    4    0    1  ~653~4
-      5    A    15        OR2    s    !     0    4    0    1  ~653~5
-      4    A    15        OR2    s    !     0    4    0    1  ~653~6
-      1    A    15       AND2         !     0    4    0    8  :653
-      1    A    13        OR2    s          0    4    0    1  ~656~1
-      7    B    12        OR2    s          0    4    0    1  ~656~2
-      2    A    03        OR2    s          0    4    0    1  ~656~3
```

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-      6    A    03        OR2    s          0    3    0    1  ~656~4
-      2    A    13        OR2    s          0    4    0    1  ~656~5
-      6    A    13       AND2         !     0    4    0    8  :656
-      6    A    05       AND2               0    2    1    0  :659
-      5    A    05       AND2               0    2    1    0  :662
-      6    A    09       AND2               0    2    1    0  :665
-      1    B    02        OR2    s          0    3    0    7  ~668~1
-      5    A    09        OR2               0    3    1    0  :668
-      8    A    05        OR2               0    3    1    0  :671
-      3    A    05        OR2               0    4    1    0  :674
-      1    A    09        OR2               0    4    1    0  :677
-      3    A    03       AND2    s          0    3    0    1  ~685~1
-      4    A    03       AND2    s          0    4    0    1  ~685~2
-      4    A    14        OR2    s    !     0    2    0    1  ~685~3
-      6    A    21       AND2         !     0    3    0    2  :685
-      3    A    04       AND2               4    0    0   14  :1055
-      6    A    04       AND2               4    0    0   10  :1109
-      5    A    04       AND2               4    0    0    9  :1210
-      5    B    14       AND2               1    1    0    1  :1217
-      3    B    07       AND2               1    1    0    1  :1219
-      7    A    04       AND2               4    0    0    9  :1312
-      4    B    21       AND2               1    1    0    1  :1319
-      5    B    11       AND2               1    1    0    1  :1321
-      8    A    04       AND2               4    0    0    8  :1413
-      4    A    16       AND2               1    1    0    1  :1414
-      1    A    11       AND2               1    1    0    1  :1416
-      3    A    11       AND2               1    1    0    1  :1418
-      2    A    04       AND2               4    0    0    9  :1515
-      5    A    07       AND2               1    1    0    1  :1516
-      8    A    12       AND2               1    1    0    1  :1518
-      7    A    11       AND2               1    1    0    1  :1520
-      1    A    04       AND2               4    0    0    9  :1617
-      5    B    07       AND2               1    1    0    1  :1618
-      8    B    08       AND2               1    1    0    1  :1624
-      8    A    06       AND2               4    0    0    2  :1713
-      6    B    18        OR2    s          0    4    0    1  ~1830~1
-      8    B    04        OR2    s          0    4    0    1  ~1830~2
-      6    B    04        OR2    s          0    4    0    1  ~1830~3
-      6    B    13        OR2    s          0    4    0    1  ~1830~4
-      3    B    19        OR2    s          0    4    0    1  ~1830~5
-      8    B    13        OR2               0    4    0    2  :1830
-      7    B    13       AND2               1    1    0    6  :1832
-      8    A    18       AND2         !     0    4    0    3  :1842
-      4    A    18       AND2               0    2    0    4  :1844
-      6    A    17       AND2         !     0    4    0    3  :1854
-      1    A    17       AND2               0    2    0    6  :1856
-      7    A    16        OR2    s          0    3    0    1  ~1864~1
-      6    A    16        OR2               0    4    0    4  :1864
-      3    B    05       AND2               0    2    0    1  :1866
-      1    B    09       AND2    s    !     0    2    0    4  ~1871~1
-      8    B    09        OR2               0    4    0    3  :1871
-      1    B    11       AND2    s          0    3    0    3  ~1894~1
-      7    B    20       AND2    s          0    4    0    1  ~1895~1
-      2    B    20        OR2               0    4    0    4  :1895
-      3    B    09        OR2    s          0    4    0    1  ~2008~1
-      7    B    09       AND2    s          0    3    0    2  ~2008~2
-      4    B    09        OR2               0    4    0    2  :2008
-      2    B    09       AND2               0    4    0    5  :2009
-      4    B    03       AND2         !     0    4    0    4  :2017
-      3    B    03       AND2               0    4    0    3  :2028
-      1    A    14        OR2               0    4    0    5  :2061
-      7    A    14        OR2               0    3    0    1  :2094
-      8    A    14        OR2               0    4    0    1  :2098
-      7    A    21        OR2               0    3    0    1  :2103
-      4    B    20        OR2               0    4    0    1  :2109
-      3    B    15       AND2         !     0    4    0    2  :2172
-      7    B    15       AND2               0    3    0    6  :2228
-      5    B    21       AND2               0    2    0    2  :2235
-      6    B    21        OR2               0    4    0    1  :2250
-      5    B    09       AND2               0    4    0    3  :2299
-      6    B    20       AND2    s          0    4    0    2  ~2308~1
-      7    B    14       AND2               0    2    0    2  :2318
-      6    A    20       AND2         !     0    4    0    2  :2434
-      5    A    08       AND2               0    2    0    3  :2436
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-      6    A    08        OR2              0    3    0    1  :2446
-      3    A    20       AND2              0    3    0    6  :2502
-      5    A    16        OR2              0    4    0    1  :2519
-      4    A    11        OR2              0    3    0    1  :2524
-      6    A    11        OR2              0    4    0    1  :2526
-      5    A    17       AND2        !     0    4    0    3  :2589
-      8    A    17       AND2              0    3    0    4  :2591
-      6    A    07        OR2              0    3    0    1  :2600
-      7    A    07        OR2              0    3    0    1  :2605
-      3    A    17       AND2              0    3    0    7  :2675
-      7    A    12        OR2              0    4    0    1  :2694
-      5    A    12        OR2              0    3    0    1  :2699
-      3    A    12        OR2              0    4    0    1  :2701
-      4    B    07       AND2        !     0    4    0    3  :2776
-      5    A    18       AND2              0    3    0    5  :2778
-      1    A    18        OR2              0    3    0    1  :2787
-      1    A    19        OR2              0    3    0    1  :2792
-      3    A    18       AND2              0    3    0    8  :2876
-      2    B    08       AND2              0    2    0    2  :2883
-      3    B    08        OR2              0    4    0    1  :2898
-      3    B    13       AND2              1    1    0   23  :3120
-      3    B    17        OR2    s         0    4    0    1  ~3136~1
-      7    B    16        OR2    s         0    4    0    1  ~3136~2
-      7    B    06        OR2    s         0    4    0    1  ~3136~3
-      1    B    10        OR2    s         0    4    0    1  ~3136~4
-      5    B    17        OR2              0    4    0    2  :3136
-      2    B    02        OR2              0    4    1    5  :3144
-      6    B    05       AND2              0    2    0    1  :3154
-      7    B    05       AND2              0    3    0    1  :3158
-      5    B    16       AND2              0    2    0    3  :3178
-      1    B    16       AND2              0    3    0    3  :3186
-      1    B    06       AND2              0    3    0    3  :3194
-      3    B    06       AND2              0    3    0    4  :3202
-      3    B    10       AND2              0    2    0    1  :3206
-      4    B    10       AND2              0    4    0    2  :3214
-      2    B    10       AND2              0    2    0    3  :3218
-      7    B    17       AND2              0    3    0    2  :3226
-      2    B    17        OR2    s         0    3    0   20  ~3266~1
-      4    B    17        OR2    s         0    4    0    4  ~3274~1
-      5    B    15        OR2    s         0    4    0    6  ~3276~1
-      2    A    21        OR2    s         0    4    0    1  ~3276~2
-      5    A    21        OR2    s         1    2    0    1  ~3278~1
-      2    A    14        OR2    s         1    3    0    1  ~3280~1
-      3    A    14        OR2    s         1    3    0    1  ~3282~1
-      1    A    10        OR2    s         0    3    0    4  ~3284~1
-      6    A    10        OR2    s         0    3    0    8  ~3292~1
-      7    A    20        OR2    s         0    3    0    1  ~3308~1
-      1    A    06        OR2    s         0    4    0    3  ~3308~2
-      5    A    06        OR2    s         0    3    0    2  ~3308~3
-      2    B    15        OR2    s         0    3    0    1  ~3308~4
-      1    B    15        OR2    s         0    4    0    5  ~3308~5
-      2    B    07        OR2    s         1    3    0    1  ~3308~6
-      4    B    14        OR2    s         0    3    0    1  ~3310~1
-      6    B    15        OR2    s         1    2    0    1  ~3310~2
-      3    B    14        OR2    s         1    3    0    1  ~3312~1
-      5    B    20        OR2    s         0    3    0    6  ~3314~1
-      1    B    14        OR2    s         0    4    0    1  ~3314~2
-      8    A    08        OR2    s         0    3    0    2  ~3318~1
-      2    A    06        OR2    s         0    4    0    5  ~3318~2
-      3    B    20        OR2    s         0    4    0    1  ~3318~3
-      1    B    21        OR2    s         1    3    0    1  ~3318~4
-      2    B    11        OR2    s         1    3    0    1  ~3320~1
-      3    B    21        OR2    s         1    3    0    1  ~3322~1
-      4    B    11        OR2    s         0    2    0    2  ~3326~1
-      4    B    15        OR2    s         0    3    0    4  ~3328~1
-      3    B    11        OR2    s         1    3    0    1  ~3328~2
-      4    A    06        OR2    s         0    4    0    6  ~3330~1
-      2    A    16        OR2    s         1    3    0    1  ~3336~1
-      3    A    08        OR2    s         1    3    0    1  ~3338~1
-      1    A    08        OR2    s         1    2    0    1  ~3340~1
-      2    A    19        OR2    s         0    4    0    7  ~3342~1
-      7    A    06        OR2    s         0    3    0    1  ~3342~2
-      4    A    12        OR2    s         1    3    0    1  ~3348~1
-      4    A    17        OR2    s         0    4    0    1  ~3350~1
```

-	4	A	07	OR2	s	1	2	0	1	~3352~1
-	1	A	07	OR2	s	1	3	0	1	~3354~1
-	5	A	10	OR2	s	0	2	0	4	~3356~1
-	3	A	06	OR2	s	0	3	0	1	~3356~2
-	6	A	06	OR2	s	0	4	0	2	~3356~3
-	7	A	19	OR2	s	0	2	0	7	~3356~4
-	7	B	08	OR2	s	1	3	0	1	~3358~1
-	4	B	08	OR2	s	1	3	0	1	~3360~1
-	5	A	19	OR2	s	1	3	0	1	~3364~1
-	4	A	19	OR2	s	1	2	0	1	~3366~1
-	6	A	18	OR2	s	1	3	0	1	~3368~1
-	4	B	12	AND2		0	2	0	4	:3375
-	5	B	13	AND2		0	3	0	4	:3383
-	5	B	12	AND2		0	2	0	1	:3387
-	2	B	19	AND2		0	4	0	4	:3395
-	1	B	19	AND2		0	2	0	1	:3399
-	8	B	19	AND2		0	4	0	2	:3407
-	4	B	18	AND2		0	2	0	3	:3411
-	1	B	18	AND2		0	3	0	3	:3419
-	7	B	04	AND2		0	3	0	4	:3427
-	5	B	04	AND2		0	2	0	1	:3431
-	2	B	04	AND2		0	4	0	2	:3439

Code:

s = Synthesized pin or logic cell
+ = Synchronous flipflop
/ = Slow slew-rate output
! = NOT gate push-back
r = Fitter-inserted logic cell

** FASTTRACK INTERCONNECT UTILIZATION **

Row FastTrack Interconnect:

Row	FastTrack Interconnect	Input Pins	Output Pins	Bidir Pins
A:	116/168(69%)	5/16(31%)	9/16(56%)	0/16(0%)
B:	90/168(53%)	0/16(0%)	13/16(81%)	0/16(0%)

Column FastTrack Interconnect:

Column	FastTrack Interconnect	Input Pins	Output Pins	Bidir Pins
01:	7/16(43%)	0/4(0%)	0/4(0%)	0/4(0%)
02:	7/16(43%)	0/4(0%)	0/4(0%)	0/4(0%)
03:	4/16(25%)	1/4(25%)	0/4(0%)	0/4(0%)
04:	3/16(18%)	0/4(0%)	0/4(0%)	0/4(0%)
05:	1/16(6%)	1/4(25%)	0/4(0%)	0/4(0%)
06:	3/16(18%)	1/4(25%)	0/4(0%)	0/4(0%)
07:	3/16(18%)	0/4(0%)	0/4(0%)	0/4(0%)
08:	3/16(18%)	0/4(0%)	0/4(0%)	0/4(0%)
09:	0/16(0%)	0/4(0%)	0/4(0%)	0/4(0%)
10:	1/16(6%)	0/4(0%)	0/4(0%)	0/4(0%)
11:	4/16(25%)	1/4(25%)	0/4(0%)	0/4(0%)
12:	1/16(6%)	0/4(0%)	0/4(0%)	0/4(0%)
13:	2/16(12%)	0/4(0%)	0/4(0%)	0/4(0%)
14:	2/16(12%)	0/4(0%)	0/4(0%)	0/4(0%)
15:	1/16(6%)	0/4(0%)	0/4(0%)	0/4(0%)
16:	1/16(6%)	0/4(0%)	0/4(0%)	0/4(0%)
17:	1/16(6%)	0/4(0%)	0/4(0%)	0/4(0%)
18:	1/16(6%)	0/4(0%)	0/4(0%)	0/4(0%)
19:	1/16(6%)	0/4(0%)	1/4(25%)	0/4(0%)
20:	1/16(6%)	0/4(0%)	0/4(0%)	0/4(0%)
21:	2/16(12%)	0/4(0%)	0/4(0%)	0/4(0%)

** CLOCK SIGNALS **

Type	Fan-out	Name
INPUT	87	CLOCK1M

** EQUATIONS **

```
CLOCK1M  : INPUT;
nPRESET  : INPUT;
SELECT0  : INPUT;
SELECT1  : INPUT;
SELECT2  : INPUT;
VALUE0   : INPUT;
VALUE1   : INPUT;
VALUE2   : INPUT;
VALUE3   : INPUT;
VALUE4   : INPUT;
VALUE5   : INPUT;
VALUE6   : INPUT;
VALUE7   : INPUT;

-- Node name is 'counter0' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter0', location is LC6_B12, type is buried.
counter0 = DFF( _EQ001, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ001 = !counter0 &  nPRESET;

-- Node name is 'counter1' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter1', location is LC8_B12, type is buried.
counter1 = DFF( _EQ002, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ002 =  counter0 & !counter1 &  _LC3_B13
         # !counter0 &  counter1 &  _LC3_B13;

-- Node name is 'counter2' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter2', location is LC2_B13, type is buried.
counter2 = DFF( _EQ003, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ003 =  counter2 &  _LC3_B13 & !_LC4_B12
         # !counter2 &  _LC3_B13 &  _LC4_B12;

-- Node name is 'counter3' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter3', location is LC4_B13, type is buried.
counter3 = DFF( _EQ004, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ004 = !counter2 &  counter3 &  _LC3_B13
         #  counter3 &  _LC3_B13 & !_LC4_B12
         #  counter2 & !counter3 &  _LC3_B13 &  _LC4_B12;

-- Node name is 'counter4' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter4', location is LC3_B12, type is buried.
counter4 = DFF( _EQ005, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ005 =  counter4 &  _LC3_B13 & !_LC5_B13
         # !counter4 &  _LC3_B13 &  _LC5_B13;

-- Node name is 'counter5' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter5', location is LC2_B12, type is buried.
counter5 = DFF( _EQ006, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ006 = !counter4 &  counter5 &  _LC3_B13
         #  counter5 &  _LC3_B13 & !_LC5_B13
         #  counter4 & !counter5 &  _LC3_B13 &  _LC5_B13;

-- Node name is 'counter6' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter6', location is LC7_B19, type is buried.
counter6 = DFF( _EQ007, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ007 =  counter6 &  _LC3_B13 & !_LC5_B12
         # !counter5 &  counter6 &  _LC3_B13
         #  counter5 & !counter6 &  _LC3_B13 &  _LC5_B12;

-- Node name is 'counter7' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter7', location is LC6_B19, type is buried.
counter7 = DFF( _EQ008, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ008 =  counter7 & !_LC2_B19 &  _LC3_B13
         # !counter7 &  _LC2_B19 &  _LC3_B13;

-- Node name is 'counter8' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter8', location is LC4_B19, type is buried.
counter8 = DFF( _EQ009, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ009 = !counter7 &  counter8 &  _LC3_B13
```

```
        #  counter8 & !_LC2_B19 &  _LC3_B13
        #  counter7 & !counter8 &  _LC2_B19 &  _LC3_B13;

-- Node name is 'counter9' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter9', location is LC5_B19, type is buried.
counter9 = DFF( _EQ010, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ010 = !counter8 &  counter9 &  _LC3_B13
        #  counter9 & !_LC1_B19 &  _LC3_B13
        #  counter8 & !counter9 &  _LC1_B19 &  _LC3_B13;

-- Node name is 'counter10' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter10', location is LC5_B18, type is buried.
counter10 = DFF( _EQ011, GLOBAL( CLOCK1M),  VCC,  VCC);
   EQ011 =  counter10 &   LC3 B13 & ! LC8 B19
        # !counter10 &  _LC3_B13 &  _LC8_B19;

-- Node name is 'counter11' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter11', location is LC3_B18, type is buried.
counter11 = DFF( _EQ012, GLOBAL( CLOCK1M),  VCC,  VCC);
   EQ012 =  counter11 &   LC3 B13 & ! LC4 B18
        # !counter11 &  _LC3_B13 &  _LC4_B18;

-- Node name is 'counter12' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter12', location is LC7_B18, type is buried.
counter12 = DFF( _EQ013, GLOBAL( CLOCK1M),  VCC,  VCC);
   EQ013 = !counter11 &  counter12 &   LC3 B13
        #  counter12 &  _LC3_B13 & !_LC4_B18
        #  counter11 & !counter12 &  _LC3_B13 &  _LC4_B18;

-- Node name is 'counter13' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter13', location is LC6_B3, type is buried.
counter13 = DFF(  EQ014, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ014 =  counter13 & !_LC1_B18 &  _LC3_B13
        # !counter13 &  _LC1_B18 &  _LC3_B13;

-- Node name is 'counter14' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter14', location is LC1_B3, type is buried.
counter14 = DFF(  EQ015, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ015 = !counter13 &  counter14 &  _LC3_B13
        #  counter14 & !_LC1_B18 &  _LC3_B13
        #  counter13 & !counter14 &  _LC1_B18 &  _LC3_B13;

-- Node name is 'counter15' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter15', location is LC3 B4, type is buried.
counter15 = DFF( _EQ016, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ016 =  counter15 &  _LC3_B13 & !_LC7_B4
        # !counter15 &  _LC3_B13 &  _LC7_B4;

-- Node name is 'counter16' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter16', location is LC4_B4, type is buried.
counter16 = DFF( _EQ017, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ017 = !counter15 &  counter16 &  _LC3_B13
        #  counter16 &  _LC3_B13 & !_LC7_B4
        #  counter15 & !counter16 &  _LC3_B13 &  _LC7_B4;

-- Node name is 'counter17' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter17', location is LC1_B4, type is buried.
counter17 = DFF( _EQ018, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ018 = !counter16 &  counter17 &  _LC3_B13
        #  counter17 &  _LC3_B13 & !_LC5_B4
        #  counter16 & !counter17 &  _LC3_B13 &  _LC5_B4;

-- Node name is 'counter18' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter18', location is LC5_B3, type is buried.
counter18 = DFF( _EQ019, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ019 =  counter18 & !_LC2_B4 &  _LC3_B13
        # !counter18 &  _LC2_B4 &  _LC3_B13;

-- Node name is 'counter19' from file "calendar2.tdf" line 63, column 9
-- Equation name is 'counter19', location is LC1_B13, type is buried.
counter19 = DFF( _EQ020, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ020 = !counter18 &  counter19 &  _LC3_B13
        #  counter19 & !_LC2_B4 &  _LC3_B13
        #  counter18 & !counter19 &  _LC2_B4 &  _LC3_B13;
```

```
-- Node name is 'DAY0' from file "calendar2.tdf" line 58, column 5
-- Equation name is 'DAY0', location is LC1_B20, type is buried.
DAY0     = DFF( _EQ021, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ021 =  _LC5_B9 &  _LC6_B20
         #  _LC3_B20
         #  _LC1_B21;

-- Node name is 'DAY1' from file "calendar2.tdf" line 58, column 5
-- Equation name is 'DAY1', location is LC6_B11, type is buried.
DAY1     = DFF( _EQ022, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ022 =  DAY0 & !DAY1 &  _LC7_B15
         # !DAY0 &  DAY1 &  _LC7_B15
         #  _LC2_B11;

-- Node name is 'DAY2' from file "calendar2.tdf" line 58, column 5
-- Equation name is 'DAY2', location is LC2_B21, type is buried.
DAY2     = DFF( _EQ023, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ023 =  DAY2 & !_LC5_B21 &  _LC7_B15
         # !DAY2 &   LC5_B21 &  _LC7_B15
         #  _LC3_B21;

-- Node name is 'DAY3' from file "calendar2.tdf" line 58, column 5
-- Equation name is 'DAY3', location is LC7_B21, type is buried.
DAY3     = DFF( _EQ024, GLOBAL( CLOCK1M),  VCC,  VCC);
   EQ024 =   LC6_B21
         #  DAY3 &  _LC2_A6
         #  _LC4_B21;

-- Node name is 'DAY4' from file "calendar2.tdf" line 58, column 5
-- Equation name is 'DAY4', location is LC7_B11, type is buried.
DAY4     = DFF(  EQ025, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ025 =  DAY4 &  _LC4_B11
         # !DAY4 &  _LC4_B15
         #  _LC5_B11;

-- Node name is 'DAY5' from file "calendar2.tdf" line 58, column 5
-- Equation name is 'DAY5', location is LC8 B11, type is buried.
DAY5     = DFF( _EQ026, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ026 =  _LC3_B11
         #  DAY4 & !DAY5 &  _LC4_B15
         # !DAY4 &  DAY5 &  _LC4_B15;

-- Node name is 'dispcnt0' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt0', location is LC1_B12, type is buried.
dispcnt0 = DFF( _EQ027, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ027 = !dispcnt0 &  _LC2_B17;

-- Node name is 'dispcnt1' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt1', location is LC4_B16, type is buried.
dispcnt1 = DFF( _EQ028, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ028 =  dispcnt0 & !dispcnt1 &  _LC2_B17
         # !dispcnt0 &  dispcnt1 &  _LC2_B17;

-- Node name is 'dispcnt2' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt2', location is LC3_B16, type is buried.
dispcnt2 = DFF( _EQ029, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ029 =  dispcnt2 &  _LC2_B17 & !_LC5_B16
         # !dispcnt2 &  _LC2_B17 &  _LC5_B16;

-- Node name is 'dispcnt3' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt3', location is LC2_B16, type is buried.
dispcnt3 = DFF( _EQ030, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ030 = !dispcnt2 &  dispcnt3 &  _LC2_B17
         #  dispcnt3 &  _LC2_B17 & !_LC5_B16
         #  dispcnt2 & !dispcnt3 &  _LC2_B17 &  _LC5_B16;

-- Node name is 'dispcnt4' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt4', location is LC2_B6, type is buried.
dispcnt4 = DFF( _EQ031, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ031 =  dispcnt4 & !_LC1_B16 &  _LC2_B17
         # !dispcnt4 &  _LC1_B16 &  _LC2_B17;

-- Node name is 'dispcnt5' from file "calendar2.tdf" line 64, column 9
```

```
-- Equation name is 'dispcnt5', location is LC6_B6, type is buried.
dispcnt5 = DFF( _EQ032, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ032 = !dispcnt4 &  dispcnt5 &  _LC2_B17
         #  dispcnt5 & !_LC1_B16 &  _LC2_B17
         #  dispcnt4 & !dispcnt5 &  _LC1_B16 &  _LC2_B17;

-- Node name is 'dispcnt6' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt6', location is LC5_B6, type is buried.
dispcnt6 = DFF( _EQ033, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ033 =  dispcnt6 & !_LC1_B6 &  _LC2_B17
         # !dispcnt6 &  _LC1_B6 &  _LC2_B17;

-- Node name is 'dispcnt7' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt7', location is LC4 B6, type is buried.
dispcnt7 = DFF( _EQ034, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ034 = !dispcnt6 &  dispcnt7 &  _LC2_B17
         #  dispcnt7 & !_LC1_B6 &  _LC2_B17
         #  dispcnt6 & !dispcnt7 &  _LC1_B6 &  _LC2_B17;

-- Node name is 'dispcnt8' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt8', location is LC8_B10, type is buried.
dispcnt8 = DFF( _EQ035, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ035 =  dispcnt8 &  _LC2_B17 & !_LC3_B6
         # !dispcnt8 &  _LC2_B17 &  _LC3_B6;

-- Node name is 'dispcnt9' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt9', location is LC7_B10, type is buried.
dispcnt9 = DFF( _EQ036, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ036 = !dispcnt8 &  dispcnt9 &  _LC2_B17
         #  dispcnt9 &  _LC2_B17 & !_LC3_B6
         #  dispcnt8 & !dispcnt9 &  _LC2_B17 &  _LC3_B6;

-- Node name is 'dispcnt10' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt10', location is LC6_B10, type is buried.
dispcnt10 = DFF( _EQ037, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ037 =  dispcnt10 &  _LC2_B17 & !_LC3_B10
         # !dispcnt9 &  dispcnt10 &  _LC2_B17
         #  dispcnt9 & !dispcnt10 &  _LC2_B17 &  _LC3_B10;

-- Node name is 'dispcnt11' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt11', location is LC5_B10, type is buried.
dispcnt11 = DFF( _EQ038, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ038 =  dispcnt11 &  _LC2_B17 & !_LC4_B10
         # !dispcnt11 &  _LC2_B17 &  _LC4_B10;

-- Node name is 'dispcnt12' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt12', location is LC1_B17, type is buried.
dispcnt12 = DFF( _EQ039, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ039 =  dispcnt12 & !_LC2_B10 &  _LC2_B17
         # !dispcnt12 &  _LC2_B10 &  _LC2_B17;

-- Node name is 'dispcnt13' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt13', location is LC6_B17, type is buried.
dispcnt13 = DFF( _EQ040, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ040 = !dispcnt12 &  dispcnt13 &  _LC2_B17
         #  dispcnt13 & !_LC2_B10 &  _LC2_B17
         #  dispcnt12 & !dispcnt13 &  _LC2_B10 &  _LC2_B17;

-- Node name is 'dispcnt14' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt14', location is LC2_B18, type is buried.
dispcnt14 = DFF( _EQ041, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ041 =  dispcnt14 &  _LC2_B17 & !_LC7_B17
         # !dispcnt14 &  _LC2_B17 &  _LC7_B17;

-- Node name is 'dispcnt15' from file "calendar2.tdf" line 64, column 9
-- Equation name is 'dispcnt15', location is LC6_B16, type is buried.
dispcnt15 = DFF( _EQ042, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ042 = !dispcnt14 &  dispcnt15 &  _LC2_B17
         #  dispcnt15 &  _LC2_B17 & !_LC7_B17
         #  dispcnt14 & !dispcnt15 &  _LC2_B17 &  _LC7_B17;

-- Node name is 'dispsel0' from file "calendar2.tdf" line 65, column 9
-- Equation name is 'dispsel0', location is LC5_B5, type is buried.
dispsel0 = DFF( _EQ043, GLOBAL( CLOCK1M),  VCC,  VCC);
```

```
  _EQ043 =  dispsel0 &  _LC2_B17
         # !dispsel0 &  _LC4_B17;

-- Node name is 'dispsel1' from file "calendar2.tdf" line 65, column 9
-- Equation name is 'dispsel1', location is LC4_B5, type is buried.
dispsel1 = DFF( _EQ044, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ044 =  dispsel1 &  _LC2_B17
         #  dispsel0 & !dispsel1 &  _LC4_B17
         # !dispsel0 &  dispsel1 &  _LC4_B17;

-- Node name is 'dispsel2' from file "calendar2.tdf" line 65, column 9
-- Equation name is 'dispsel2', location is LC2_B5, type is buried.
dispsel2 = DFF( _EQ045, GLOBAL( CLOCK1M),  VCC,  VCC);
   EQ045 =  dispsel2 &   LC4 B17 & ! LC6 B5
         # !dispsel2 &  _LC4_B17 &  _LC6_B5
         #  dispsel2 &  _LC2_B17;

-- Node name is 'dispsel3' from file "calendar2.tdf" line 65, column 9
-- Equation name is 'dispsel3', location is LC1_B5, type is buried.
dispsel3 = DFF(  EQ046, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ046 =  dispsel3 &  _LC2_B17
         #  dispsel3 &  _LC4_B17 & !_LC7_B5
         # !dispsel3 &  _LC4_B17 &  _LC7_B5;

-- Node name is 'HOUR0' from file "calendar2.tdf" line 59, column 6
-- Equation name is 'HOUR0', location is LC3 A16, type is buried.
HOUR0    = DFF( _EQ047, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ047 =  HOUR0 &  _LC4_A6
         # !HOUR0 &  _LC1_A17
         #  _LC4_A16;

-- Node name is 'HOUR1' from file "calendar2.tdf" line 59, column 6
-- Equation name is 'HOUR1', location is LC2_A11, type is buried.
HOUR1    = DFF( _EQ048, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ048 =  HOUR1 &  _LC4_A6
         #  _LC4_A11
         #  _LC1_A11;

-- Node name is 'HOUR2' from file "calendar2.tdf" line 59, column 6
-- Equation name is 'HOUR2', location is LC5_A11, type is buried.
HOUR2    = DFF( _EQ049, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ049 =  HOUR2 &  _LC4_A6
         #  _LC6_A11
         #  _LC3_A11;

-- Node name is 'HOUR3' from file "calendar2.tdf" line 59, column 6
-- Equation name is 'HOUR3', location is LC1_A16, type is buried.
HOUR3    = DFF( _EQ050, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ050 =  _LC2_A16
         #  HOUR3 &  _LC4_A6;

-- Node name is 'HOUR4' from file "calendar2.tdf" line 59, column 6
-- Equation name is 'HOUR4', location is LC4_A8, type is buried.
HOUR4    = DFF( _EQ051, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ051 =  HOUR4 &  _LC3_A20
         #  HOUR4 &  _LC4_A6
         #  _LC3_A8;

-- Node name is 'HOUR5' from file "calendar2.tdf" line 59, column 6
-- Equation name is 'HOUR5', location is LC2_A8, type is buried.
HOUR5    = DFF( _EQ052, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ052 =  HOUR5 &  _LC3_A20
         #  HOUR5 &  _LC4_A6
         #  _LC1_A8;

-- Node name is 'isLeapYear' from file "calendar2.tdf" line 239, column 13
-- Equation name is 'isLeapYear', location is LC4_A21, type is buried.
!isLeapYear = isLeapYear~NOT;
isLeapYear~NOT = LCELL( _EQ053);
  _EQ053 =  _LC5_A13 &  _LC8_A21
         #  _LC2_A15 &  _LC8_A21
         #  _LC6_A21 &  _LC8_A21;

-- Node name is 'isLeapYear~1' from file "calendar2.tdf" line 239, column 13
```

```
-- Equation name is 'isLeapYear~1', location is LC5_A13, type is buried.
-- synthesized logic cell
_LC5_A13 = LCELL( _EQ054);
  _EQ054 =  YEAR9 & !YEAR12
         # !YEAR9 &  YEAR12
         #  YEAR9 &  YEAR11
         #  YEAR10 &  YEAR11;

-- Node name is 'isLeapYear~2' from file "calendar2.tdf" line 239, column 13
-- Equation name is 'isLeapYear~2', location is LC8_A21, type is buried.
-- synthesized logic cell
_LC8_A21 = LCELL( _EQ055);
  _EQ055 =  YEAR1
         #  YEAR0
         # !_LC6_A21;

-- Node name is 'isLeapYear~3' from file "calendar2.tdf" line 239, column 13
-- Equation name is 'isLeapYear~3', location is LC2_A15, type is buried.
-- synthesized logic cell
 LC2_A15 = LCELL( _EQ056);
  _EQ056 =  YEAR8
         #  YEAR13 &  YEAR15
         #  YEAR14 &  YEAR15;

-- Node name is 'MINUTE0' from file "calendar2.tdf" line 60, column 8
-- Equation name is 'MINUTE0', location is LC3 A7, type is buried.
MINUTE0  = DFF( _EQ057, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ057 =  _LC2_A19 &  MINUTE0
         #  _LC4_A18 & !MINUTE0
         #  _LC5_A7;

-- Node name is 'MINUTE1' from file "calendar2.tdf" line 60, column 8
-- Equation name is 'MINUTE1', location is LC2_A12, type is buried.
MINUTE1  = DFF( _EQ058, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ058 =  _LC2_A19 &  MINUTE1
         #  _LC5_A12
         #  _LC8_A12;

-- Node name is 'MINUTE2' from file "calendar2.tdf" line 60, column 8
-- Equation name is 'MINUTE2', location is LC1_A12, type is buried.
MINUTE2  = DFF( _EQ059, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ059 =  _LC2_A19 &  MINUTE2
         #  _LC3_A12
         #  _LC7_A11;

-- Node name is 'MINUTE3' from file "calendar2.tdf" line 60, column 8
-- Equation name is 'MINUTE3', location is LC6_A12, type is buried.
MINUTE3  = DFF( _EQ060, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ060 =  _LC2_A19 &  MINUTE3
         #  _LC4_A12;

-- Node name is 'MINUTE4' from file "calendar2.tdf" line 60, column 8
-- Equation name is 'MINUTE4', location is LC2_A17, type is buried.
MINUTE4  = DFF( _EQ061, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ061 =  _LC4_A17
         #  _LC2_A4 &  VALUE4;

-- Node name is 'MINUTE5' from file "calendar2.tdf" line 60, column 8
-- Equation name is 'MINUTE5', location is LC2_A7, type is buried.
MINUTE5  = DFF( _EQ062, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ062 =  _LC2_A19 &  MINUTE5
         #  _LC3_A17 &  MINUTE5
         #  _LC4_A7;

-- Node name is 'MINUTE6' from file "calendar2.tdf" line 60, column 8
-- Equation name is 'MINUTE6', location is LC8_A7, type is buried.
MINUTE6  = DFF( _EQ063, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ063 =  _LC2_A19 &  MINUTE6
         #  _LC3_A17 &  MINUTE6
         #  _LC1_A7;

-- Node name is 'MONTH0' from file "calendar2.tdf" line 57, column 7
-- Equation name is 'MONTH0', location is LC6_B7, type is buried.
MONTH0   = DFF( _EQ064, GLOBAL( CLOCK1M),  VCC,  VCC);
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```
  _EQ064 =  _LC2_B7
         #  _LC1_B15 &  MONTH0
         #  _LC5_B20 & !MONTH0;

-- Node name is 'MONTH1' from file "calendar2.tdf" line 57, column 7
-- Equation name is 'MONTH1', location is LC2_B14, type is buried.
MONTH1   = DFF( _EQ065, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ065 =  _LC4_B14
         #  _LC1_B15 &  MONTH1
         #  _LC6_B15;

-- Node name is 'MONTH2' from file "calendar2.tdf" line 57, column 7
-- Equation name is 'MONTH2', location is LC8_B14, type is buried.
MONTH2   = DFF(  EQ066, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ066 =  _LC5_B20 & !_LC7_B14 &  MONTH2
         #  _LC5_B20 &  _LC7_B14 & !MONTH2
         #  _LC3_B14;

-- Node name is 'MONTH3' from file "calendar2.tdf" line 57, column 7
-- Equation name is 'MONTH3', location is LC6 B14, type is buried.
MONTH3   = DFF( _EQ067, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ067 =  _LC1_B14
         #  _LC5_B14
         #  _LC1_B15 &  MONTH3;

-- Node name is 'MONTH4' from file "calendar2.tdf" line 57, column 7
-- Equation name is 'MONTH4', location is LC7_B7, type is buried.
MONTH4   = DFF( _EQ068, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ068 =  _LC1_B15 &  MONTH4
         #  _LC5_B20 &  MONTH4
         #  _LC3_B7;

-- Node name is 'OEDAY01' from file "calendar2.tdf" line 174, column 3
-- Equation name is 'OEDAY01', type is output
OEDAY01  = !_LC5_B2;

-- Node name is 'OEDAY10' from file "calendar2.tdf" line 173, column 3
-- Equation name is 'OEDAY10', type is output
OEDAY10  = !_LC6_B1;

-- Node name is 'OEHOUR01' from file "calendar2.tdf" line 176, column 3
-- Equation name is 'OEHOUR01', type is output
OEHOUR01 = !_LC3_B2;

-- Node name is 'OEHOUR10' from file "calendar2.tdf" line 175, column 3
-- Equation name is 'OEHOUR10', type is output
OEHOUR10 = !_LC3_B1;

-- Node name is 'OEMINUTE01' from file "calendar2.tdf" line 178, column 3
-- Equation name is 'OEMINUTE01', type is output
OEMINUTE01 = !_LC4_B2;

-- Node name is 'OEMINUTE10' from file "calendar2.tdf" line 177, column 3
-- Equation name is 'OEMINUTE10', type is output
OEMINUTE10 = !_LC5_B1;

-- Node name is 'OEMONTH01' from file "calendar2.tdf" line 172, column 3
-- Equation name is 'OEMONTH01', type is output
OEMONTH01 = !_LC8_B2;

-- Node name is 'OEMONTH10' from file "calendar2.tdf" line 171, column 3
-- Equation name is 'OEMONTH10', type is output
OEMONTH10 = !_LC1_B1;

-- Node name is 'OESECOND01' from file "calendar2.tdf" line 180, column 3
-- Equation name is 'OESECOND01', type is output
OESECOND01 = !_LC2_B2;

-- Node name is 'OESECOND10' from file "calendar2.tdf" line 179, column 3
-- Equation name is 'OESECOND10', type is output
OESECOND10 = !_LC2_B1;

-- Node name is 'OEYEAR0001' from file "calendar2.tdf" line 170, column 3
-- Equation name is 'OEYEAR0001', type is output
```

```
OEYEAR0001 = !_LC4_B1;

-- Node name is 'OEYEAR0010' from file "calendar2.tdf" line 169, column 3
-- Equation name is 'OEYEAR0010', type is output
OEYEAR0010 = !_LC8_B1;

-- Node name is 'OEYEAR0100' from file "calendar2.tdf" line 168, column 3
-- Equation name is 'OEYEAR0100', type is output
OEYEAR0100 = !_LC6_B2;

-- Node name is 'OEYEAR1000' from file "calendar2.tdf" line 167, column 3
-- Equation name is 'OEYEAR1000', type is output
OEYEAR1000 = !_LC2_B3;

-- Node name is 'SECOND0' from file "calendar2.tdf" line 61, column 8
-- Equation name is 'SECOND0', location is LC1_B7, type is buried.
SECOND0  = DFF( _EQ069, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ069 =  _LC7_A19 &  SECOND0
         #  _LC7_B13 & !SECOND0
         #  _LC5_B7;

-- Node name is 'SECOND1' from file "calendar2.tdf" line 61, column 8
-- Equation name is 'SECOND1', location is LC5_B8, type is buried.
SECOND1  = DFF( _EQ070, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ070 =  _LC3_A18 & !SECOND0 &  SECOND1
         #   LC3_A18 &  SECOND0 & !SECOND1
         #  _LC7_B8;

-- Node name is 'SECOND2' from file "calendar2.tdf" line 61, column 8
-- Equation name is 'SECOND2', location is LC6_B8, type is buried.
SECOND2  = DFF( _EQ071, GLOBAL( CLOCK1M),  VCC,  VCC);
   EQ071 = ! LC2_B8 &   LC3_A18 &  SECOND2
         #  _LC2_B8 &  _LC3_A18 & !SECOND2
         #  _LC4_B8;

-- Node name is 'SECOND3' from file "calendar2.tdf" line 61, column 8
-- Equation name is 'SECOND3', location is LC1_B8, type is buried.
SECOND3  = DFF(  EQ072, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ072 =  _LC3_B8
         #  _LC8_B8
         #  _LC7_A19 &  SECOND3;

-- Node name is 'SECOND4' from file "calendar2.tdf" line 61, column 8
-- Equation name is 'SECOND4', location is LC6_A19, type is buried.
SECOND4  = DFF( _EQ073, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ073 =  _LC7_A19 &  SECOND4
         #  _LC3_A18 &  SECOND4
         #  _LC5_A19;

-- Node name is 'SECOND5' from file "calendar2.tdf" line 61, column 8
-- Equation name is 'SECOND5', location is LC3_A19, type is buried.
SECOND5  = DFF( _EQ074, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ074 =  _LC7_A19 &  SECOND5
         #  _LC3_A18 &  SECOND5
         #  _LC4_A19;

-- Node name is 'SECOND6' from file "calendar2.tdf" line 61, column 8
-- Equation name is 'SECOND6', location is LC7_A18, type is buried.
SECOND6  = DFF( _EQ075, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ075 =  _LC7_A19 &  SECOND6
         #  _LC3_A18 &  SECOND6
         #  _LC6_A18;

-- Node name is 'segment0' from file "calendar2.tdf" line 164, column 10
-- Equation name is 'segment0', type is output
segment0 =  _LC6_A5;

-- Node name is 'segment1' from file "calendar2.tdf" line 164, column 10
-- Equation name is 'segment1', type is output
segment1 =  _LC5_A5;

-- Node name is 'segment2' from file "calendar2.tdf" line 164, column 10
-- Equation name is 'segment2', type is output
segment2 =  _LC6_A9;
```

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-- Node name is 'segment3' from file "calendar2.tdf" line 164, column 10
-- Equation name is 'segment3', type is output
segment3 =  _LC5_A9;

-- Node name is 'segment4' from file "calendar2.tdf" line 164, column 10
-- Equation name is 'segment4', type is output
segment4 =  _LC8_A5;

-- Node name is 'segment5' from file "calendar2.tdf" line 164, column 10
-- Equation name is 'segment5', type is output
segment5 =  _LC3_A5;

-- Node name is 'segment6' from file "calendar2.tdf" line 164, column 10
-- Equation name is 'segment6', type is output
segment6 =  _LC1_A9;

-- Node name is 'YEAR0' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR0', location is LC1_A21, type is buried.
YEAR0    = DFF(  EQ076, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ076 =  _LC2_A21
         #  _LC6_A4 &  VALUE0;

-- Node name is 'YEAR1' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR1', location is LC3_A21, type is buried.
YEAR1    = DFF(  EQ077, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ077 =  _LC5_B15 &  YEAR1
         #  _LC3_A4 &  YEAR1
         #  _LC5_A21;

-- Node name is 'YEAR2' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR2', location is LC5 A14, type is buried.
YEAR2    = DFF( _EQ078, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ078 =  _LC5_B15 &  YEAR2
         #  _LC3_A4 &  YEAR2
         #  _LC2_A14;

-- Node name is 'YEAR3' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR3', location is LC6_A14, type is buried.
YEAR3    = DFF( _EQ079, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ079 =  _LC3_A14
         #  _LC5_B15 &  YEAR3
         #  _LC3_A4 &  YEAR3;

-- Node name is 'YEAR4' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR4', location is LC4_A20, type is buried.
YEAR4    = DFF( _EQ080, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ080 =  _LC1_A10 &  YEAR4
         #  _LC6_A4 &  VALUE4;

-- Node name is 'YEAR5' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR5', location is LC3_A10, type is buried.
YEAR5    = DFF( _EQ081, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ081 =  _LC1_A10 &  YEAR5
         #  _LC6_A4 &  VALUE5;

-- Node name is 'YEAR6' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR6', location is LC1_A3, type is buried.
YEAR6    = DFF( _EQ082, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ082 =  _LC1_A10 &  YEAR6
         #  _LC6_A4 &  VALUE6;

-- Node name is 'YEAR7' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR7', location is LC7_A3, type is buried.
YEAR7    = DFF( _EQ083, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ083 =  _LC1_A10 &  YEAR7
         #  _LC6_A4 &  VALUE7;

-- Node name is 'YEAR8' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR8', location is LC4_A10, type is buried.
YEAR8    = DFF( _EQ084, GLOBAL( CLOCK1M),  VCC,  VCC);
  EQ084 =  _LC6_A10 &  YEAR8
         #  _LC3_A4 &  VALUE0;
```

```
-- Node name is 'YEAR9' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR9', location is LC7_A13, type is buried.
YEAR9    = DFF( _EQ085, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ085 =  _LC6_A10 &  YEAR9
         #  _LC3_A4 &  VALUE1;

-- Node name is 'YEAR10' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR10', location is LC7_A10, type is buried.
YEAR10   = DFF( _EQ086, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ086 =  _LC6_A10 &  YEAR10
         #  _LC3_A4 &  VALUE2;

-- Node name is 'YEAR11' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR11', location is LC3 A13, type is buried.
YEAR11   = DFF( _EQ087, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ087 =  _LC6_A10 &  YEAR11
         #  _LC3_A4 &  VALUE3;

-- Node name is 'YEAR12' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR12', location is LC2 A10, type is buried.
YEAR12   = DFF( _EQ088, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ088 =  _LC6_A10 &  YEAR12
         #  _LC3_A4 &  VALUE4;

-- Node name is 'YEAR13' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR13', location is LC8 A15, type is buried.
YEAR13   = DFF( _EQ089, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ089 =  _LC6_A10 &  YEAR13
         #  _LC3_A4 &  VALUE5;

-- Node name is 'YEAR14' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR14', location is LC7 A15, type is buried.
YEAR14   = DFF( _EQ090, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ090 =  _LC6_A10 &  YEAR14
         #  _LC3_A4 &  VALUE6;

-- Node name is 'YEAR15' from file "calendar2.tdf" line 56, column 6
-- Equation name is 'YEAR15', location is LC5 A20, type is buried.
YEAR15   = DFF( _EQ091, GLOBAL( CLOCK1M),  VCC,  VCC);
  _EQ091 =  _LC6_A10 &  YEAR15
         #  _LC3_A4 &  VALUE7;

-- Node name is '|bcddecode:ledout|:132' from file "bcddecode.tdf" line 17, column 2
-- Equation name is ' LC4_A9', type is buried
!_LC4_A9 = _LC4_A9~NOT;
_LC4_A9~NOT = LCELL( _EQ092);
  _EQ092 =  _LC1_A15 & !_LC6_A13 &  _LC7_A1 &  _LC7_A2;

-- Node name is '|bcddecode:ledout|~148~1' from file "bcddecode.tdf" line 18, column 10
-- Equation name is '_LC7_A9', type is buried
-- synthesized logic cell
_LC7_A9  = LCELL( _EQ093);
  _EQ093 = !_LC1_A15 & !_LC6_A13 & !_LC7_A2;

-- Node name is '|bcddecode:ledout|:148' from file "bcddecode.tdf" line 18, column 10
-- Equation name is '_LC2_A9', type is buried
_LC2_A9  = LCELL( _EQ094);
  _EQ094 = !_LC1_A15 & !_LC6_A13 & !_LC7_A2
         # !_LC6_A13 &  _LC7_A1 & !_LC7_A2
         # !_LC1_A15 & !_LC7_A1 & !_LC7_A2;

-- Node name is '|bcddecode:ledout|:163' from file "bcddecode.tdf" line 19, column 10
-- Equation name is '_LC4_A5', type is buried
_LC4_A5  = LCELL( _EQ095);
  _EQ095 = !_LC1_A15 &  _LC6_A13 & !_LC7_A1
         #  _LC1_A15 & !_LC6_A13 & !_LC7_A1
         #  _LC1_A15 & !_LC6_A13 & !_LC7_A2
         # !_LC1_A15 & !_LC6_A13 &  _LC7_A1
         # !_LC6_A13 &  _LC7_A1 & !_LC7_A2;

-- Node name is '|bcddecode:ledout|:165' from file "bcddecode.tdf" line 19, column 10
-- Equation name is '_LC7_A5', type is buried
_LC7_A5  = LCELL( _EQ096);
  _EQ096 = !_LC1_A15 &  _LC6_A13 & !_LC7_A1
```

```
        # !_LC1_A15 & !_LC7_A1 & !_LC7_A2
        # !_LC6_A13 & !_LC7_A1 & !_LC7_A2
        #  _LC1_A15 & !_LC6_A13 & !_LC7_A1
        #  _LC1_A15 & !_LC6_A13 & !_LC7_A2;

-- Node name is '|bcddecode:ledout|~167~1' from file "bcddecode.tdf" line 19, column 10
-- Equation name is '_LC3_A9', type is buried
-- synthesized logic cell
_LC3_A9  = LCELL( _EQ097);
  _EQ097 =  _LC1_A15 & !_LC6_A13 & !_LC7_A1 &  _LC7_A2
        # !_LC1_A15 & !_LC6_A13 &  _LC7_A1 &  _LC7_A2
        # !_LC1_A15 &  _LC6_A13 & !_LC7_A1 &  _LC7_A2;

-- Node name is '|bcddecode:ledout|~171~1' from file "bcddecode.tdf" line 19, column 10
-- Equation name is '_LC2_A5', type is buried
-- synthesized logic cell
_LC2_A5  = LCELL( _EQ098);
  _EQ098 = !_LC6_A13 &  _LC7_A1 &  _LC7_A2
        # !_LC1_A15 & !_LC6_A13 &  _LC7_A2;

-- Node name is '|bcddecode:ledout|~171~2' from file "bcddecode.tdf" line 19, column 10
-- Equation name is '_LC1_A5', type is buried
-- synthesized logic cell
_LC1_A5  = LCELL( _EQ099);
  _EQ099 = !_LC1_A15 &  _LC6_A13 & !_LC7_A1
        #  _LC1_A15 & !_LC6_A13 & !_LC7_A1 & !_LC7_A2;

-- Node name is ':163' from file "calendar2.tdf" line 110, column 2
-- Equation name is '_LC2_B3', type is buried
!_LC2_B3 = _LC2_B3~NOT;
_LC2_B3~NOT = LCELL( _EQ100);
  _EQ100 = !dispsel0 & !dispsel1 & !dispsel2 & !dispsel3;

-- Node name is ':190' from file "calendar2.tdf" line 114, column 2
-- Equation name is '_LC6_B2', type is buried
!_LC6_B2 = _LC6_B2~NOT;
_LC6_B2~NOT = LCELL( _EQ101);
  _EQ101 =  dispsel0 & !dispsel1 & !dispsel2 & !dispsel3;

-- Node name is ':229' from file "calendar2.tdf" line 118, column 2
-- Equation name is '_LC8_B1', type is buried
!_LC8_B1 = _LC8_B1~NOT;
_LC8_B1~NOT = LCELL( _EQ102);
  _EQ102 = !dispsel0 &  dispsel1 & !dispsel2 & !dispsel3;

-- Node name is ':269' from file "calendar2.tdf" line 122, column 2
-- Equation name is '_LC4_B1', type is buried
!_LC4_B1 = _LC4_B1~NOT;
_LC4_B1~NOT = LCELL( _EQ103);
  _EQ103 =  dispsel0 &  dispsel1 & !dispsel2 & !dispsel3;

-- Node name is ':308' from file "calendar2.tdf" line 126, column 2
-- Equation name is '_LC1_B1', type is buried
!_LC1_B1 = _LC1_B1~NOT;
_LC1_B1~NOT = LCELL( _EQ104);
  _EQ104 = !dispsel0 & !dispsel1 &  dispsel2 & !dispsel3;

-- Node name is ':339' from file "calendar2.tdf" line 130, column 2
-- Equation name is '_LC8_B2', type is buried
!_LC8_B2 = _LC8_B2~NOT;
_LC8_B2~NOT = LCELL( _EQ105);
  _EQ105 =  dispsel0 & !dispsel1 &  dispsel2 & !dispsel3;

-- Node name is ':379' from file "calendar2.tdf" line 134, column 2
-- Equation name is '_LC6_B1', type is buried
!_LC6_B1 = _LC6_B1~NOT;
_LC6_B1~NOT = LCELL( _EQ106);
  _EQ106 = !dispsel0 &  dispsel1 &  dispsel2 & !dispsel3;

-- Node name is ':414' from file "calendar2.tdf" line 138, column 2
-- Equation name is '_LC5_B2', type is buried
!_LC5_B2 = _LC5_B2~NOT;
_LC5_B2~NOT = LCELL( _EQ107);
  _EQ107 =  dispsel0 &  dispsel1 &  dispsel2 & !dispsel3;
```

```
-- Node name is ':453' from file "calendar2.tdf" line 142, column 2
-- Equation name is '_LC3_B1', type is buried
!_LC3_B1 = _LC3_B1~NOT;
_LC3_B1~NOT = LCELL( _EQ108);
  _EQ108 = !dispsel0 & !dispsel1 & !dispsel2 &  dispsel3;

-- Node name is ':487' from file "calendar2.tdf" line 146, column 2
-- Equation name is '_LC3_B2', type is buried
!_LC3_B2 = _LC3_B2~NOT;
_LC3_B2~NOT = LCELL( _EQ109);
  _EQ109 =  dispsel0 & !dispsel1 & !dispsel2 &  dispsel3;

-- Node name is ':527' from file "calendar2.tdf" line 150, column 2
-- Equation name is '_LC5_B1', type is buried
!_LC5_B1 = _LC5_B1~NOT;
_LC5_B1~NOT = LCELL( _EQ110);
  _EQ110 = !dispsel0 &  dispsel1 & !dispsel2 &  dispsel3;

-- Node name is ':565' from file "calendar2.tdf" line 154, column 2
-- Equation name is '_LC4_B2', type is buried
!_LC4_B2 = _LC4_B2~NOT;
_LC4_B2~NOT = LCELL( _EQ111);
  _EQ111 =  dispsel0 &  dispsel1 & !dispsel2 &  dispsel3;

-- Node name is ':605' from file "calendar2.tdf" line 158, column 2
-- Equation name is '_LC2_B1', type is buried
!_LC2_B1 = _LC2_B1~NOT;
_LC2_B1~NOT = LCELL( _EQ112);
  _EQ112 = !dispsel0 & !dispsel1 &  dispsel2 &  dispsel3;

-- Node name is '~647~1' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~647~1', location is LC6_A2, type is buried.
-- synthesized logic cell
!_LC6_A2 = _LC6_A2~NOT;
_LC6_A2~NOT = LCELL( _EQ113);
  _EQ113 =  _LC3_B2 &  _LC5_B2
         # !HOUR0 &  _LC5_B2
         # !DAY0 &  _LC3_B2
         # !DAY0 & !HOUR0;

-- Node name is '~647~2' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~647~2', location is LC7_B3, type is buried.
-- synthesized logic cell
!_LC7_B3 = _LC7_B3~NOT;
_LC7_B3~NOT = LCELL( _EQ114);
  _EQ114 =  _LC2_B2 &  _LC6_B1
         # !DAY4 &  _LC2_B2
         #  _LC6_B1 & !SECOND0
         # !DAY4 & !SECOND0;

-- Node name is '~647~3' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~647~3', location is LC5_A2, type is buried.
-- synthesized logic cell
!_LC5_A2 = _LC5_A2~NOT;
_LC5_A2~NOT = LCELL( _EQ115);
  _EQ115 =  _LC1_B1 &  _LC3_B1
         # !HOUR4 &  _LC1_B1
         #  _LC3_B1 & !MONTH4
         # !HOUR4 & !MONTH4;

-- Node name is '~647~4' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~647~4', location is LC4_A2, type is buried.
-- synthesized logic cell
!_LC4_A2 = _LC4_A2~NOT;
_LC4_A2~NOT = LCELL( _EQ116);
  _EQ116 =  _LC2_B1 &  _LC5_B1
         #  _LC5_B1 & !SECOND4
         #  _LC2_B1 & !MINUTE4
         # !MINUTE4 & !SECOND4;

-- Node name is '~647~5' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~647~5', location is LC2_A20, type is buried.
-- synthesized logic cell
```

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!_LC2_A20 = _LC2_A20~NOT;
_LC2_A20~NOT = LCELL( _EQ117);
  _EQ117 =  _LC4_B1 &  _LC8_B2
         #  _LC4_B1 & !MONTH0
         #  _LC8_B2 & !YEAR0
         # !MONTH0 & !YEAR0;

-- Node name is '~647~6' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~647~6', location is LC3_A2, type is buried.
-- synthesized logic cell
!_LC3_A2 = _LC3_A2~NOT;
_LC3_A2~NOT = LCELL( _EQ118);
  _EQ118 =  _LC6_B2 &  _LC8_B1
         #   LC6_B2 & !YEAR4
         #  _LC8_B1 & !YEAR8
         # !YEAR4 & !YEAR8;

-- Node name is '~647~7' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~647~7', location is LC2_A2, type is buried.
-- synthesized logic cell
!_LC2_A2 = _LC2_A2~NOT;
_LC2_A2~NOT = LCELL( _EQ119);
  _EQ119 =  _LC2_B3 &  _LC4_B2
         #  _LC4_B2 & !YEAR12
         #  _LC2_B3 & !MINUTE0
         # !MINUTE0 & !YEAR12;

-- Node name is '~647~8' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~647~8', location is LC1_A2, type is buried.
-- synthesized logic cell
!_LC1_A2 = _LC1_A2~NOT;
 LC1_A2~NOT = LCELL(  EQ120);
  _EQ120 = !_LC2_A2 & !_LC2_A20 & !_LC3_A2 & !_LC4_A2;

-- Node name is ':647' from file "calendar2.tdf" line 163, column 16
-- Equation name is '_LC7_A2', type is buried
!_LC7_A2 = _LC7_A2~NOT;
 LC7_A2~NOT = LCELL(  EQ121);
  _EQ121 = !_LC1_A2 & !_LC5_A2 & !_LC6_A2 & !_LC7_B3;

-- Node name is '~650~1' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~650~1', location is LC3_A15, type is buried.
-- synthesized logic cell
 LC3_A15 = LCELL(  EQ122);
  _EQ122 = !_LC2_B3 &  YEAR13
         # !_LC4_B2 &  MINUTE1;

-- Node name is '~650~2' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~650~2', location is LC4_A13, type is buried.
-- synthesized logic cell
_LC4_A13 = LCELL( _EQ123);
  _EQ123 = !_LC8_B1 &  YEAR5
         # !_LC6_B2 &  YEAR9;

-- Node name is '~650~3' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~650~3', location is LC6_A1, type is buried.
-- synthesized logic cell
_LC6_A1  = LCELL( _EQ124);
  _EQ124 = !_LC5_B1 &  MINUTE5
         #  HOUR5 & !_LC3_B1;

-- Node name is '~650~4' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~650~4', location is LC5_A1, type is buried.
-- synthesized logic cell
_LC5_A1  = LCELL( _EQ125);
  _EQ125 =  _LC6_A1
         #  DAY5 & !_LC6_B1;

-- Node name is '~650~5' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~650~5', location is LC4_A1, type is buried.
-- synthesized logic cell
_LC4_A1  = LCELL( _EQ126);
  _EQ126 = !_LC2_B2 &  SECOND1
         # !_LC4_B1 &  YEAR1;
```

```
-- Node name is '~650~6' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~650~6', location is LC3_A1, type is buried.
-- synthesized logic cell
_LC3_A1  = LCELL( _EQ127);
  _EQ127 = !_LC8_B2 &  MONTH1
         # !_LC2_B1 &  SECOND5;

-- Node name is '~650~7' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~650~7', location is LC2_A1, type is buried.
-- synthesized logic cell
_LC2_A1  = LCELL( _EQ128);
  _EQ128 =  HOUR1 & !_LC3_B2
         #  DAY1 & !_LC5_B2;

-- Node name is '~650~8' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~650~8', location is LC1_A1, type is buried.
-- synthesized logic cell
_LC1_A1  = LCELL( _EQ129);
   EQ129 =   LC4_A1
         #  _LC3_A1
         #  _LC2_A1;

-- Node name is ':650' from file "calendar2.tdf" line 163, column 16
-- Equation name is '_LC7_A1', type is buried
 LC7_A1  = LCELL(  EQ130);
  _EQ130 =  _LC3_A15
         #  _LC4_A13
         #  _LC5_A1
         #  _LC1_A1;

-- Node name is '~653~1' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~653~1', location is LC8_A20, type is buried.
-- synthesized logic cell
!_LC8_A20 = _LC8_A20~NOT;
_LC8_A20~NOT = LCELL( _EQ131);
  _EQ131 =  _LC4_B1 &  _LC8_B2
         #   LC4_B1 & !MONTH2
         #  _LC8_B2 & !YEAR2
         # !MONTH2 & !YEAR2;

-- Node name is '~653~2' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~653~2', location is LC5_A3, type is buried.
-- synthesized logic cell
!_LC5_A3 = _LC5_A3~NOT;
_LC5_A3~NOT = LCELL( _EQ132);
  _EQ132 =  _LC6_B2 &  _LC8_B1
         #  _LC6_B2 & !YEAR6
         #  _LC8_B1 & !YEAR10
         # !YEAR6 & !YEAR10;

-- Node name is '~653~3' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~653~3', location is LC6_A15, type is buried.
-- synthesized logic cell
!_LC6_A15 = _LC6_A15~NOT;
_LC6_A15~NOT = LCELL( _EQ133);
  _EQ133 =  _LC3_B2 &  _LC4_B2
         #  _LC3_B2 & !MINUTE2
         # !HOUR2 &  _LC4_B2
         # !HOUR2 & !MINUTE2;

-- Node name is '~653~4' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~653~4', location is LC2_A18, type is buried.
-- synthesized logic cell
!_LC2_A18 = _LC2_A18~NOT;
_LC2_A18~NOT = LCELL( _EQ134);
  _EQ134 =  _LC2_B1 &  _LC5_B1
         #  _LC5_B1 & !SECOND6
         #  _LC2_B1 & !MINUTE6
         # !MINUTE6 & !SECOND6;

-- Node name is '~653~5' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~653~5', location is LC5_A15, type is buried.
-- synthesized logic cell
```

```
!_LC5_A15 = _LC5_A15~NOT;
_LC5_A15~NOT = LCELL( _EQ135);
  _EQ135 =  _LC2_B3 &  _LC5_B2
         #  _LC5_B2 & !YEAR14
         # !DAY2 &  _LC2_B3
         # !DAY2 & !YEAR14;

-- Node name is '~653~6' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~653~6', location is LC4_A15, type is buried.
-- synthesized logic cell
!_LC4_A15 = _LC4_A15~NOT;
_LC4_A15~NOT = LCELL( _EQ136);
  _EQ136 = !_LC2_A18 &  _LC2_B2 & !_LC5_A15
         # !_LC2_A18 & !_LC5_A15 & !SECOND2;

-- Node name is ':653' from file "calendar2.tdf" line 163, column 16
-- Equation name is '_LC1_A15', type is buried
!_LC1_A15 = _LC1_A15~NOT;
_LC1_A15~NOT = LCELL( _EQ137);
  _EQ137 = !_LC4_A15 & !_LC5_A3 & !_LC6_A15 & !_LC8_A20;

-- Node name is '~656~1' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~656~1', location is LC1_A13, type is buried.
-- synthesized logic cell
_LC1_A13 = LCELL( _EQ138);
  _EQ138 =  _LC3_B2 &  _LC4_B2
         #  _LC3_B2 & !MINUTE3
         # !HOUR3 &  _LC4_B2
         # !HOUR3 & !MINUTE3;

-- Node name is '~656~2' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~656~2', location is LC7_B12, type is buried.
-- synthesized logic cell
_LC7_B12 = LCELL( _EQ139);
  _EQ139 =  _LC5_B2 &  _LC8_B2
         # !DAY3 &  _LC8_B2
         #  _LC5_B2 & !MONTH3
         # !DAY3 & !MONTH3;

-- Node name is '~656~3' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~656~3', location is LC2_A3, type is buried.
-- synthesized logic cell
_LC2_A3  = LCELL( _EQ140);
  _EQ140 =  _LC4_B1 &  _LC8_B1
         #  _LC8_B1 & !YEAR3
         #  _LC4_B1 & !YEAR7
         # !YEAR3 & !YEAR7;

-- Node name is '~656~4' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~656~4', location is LC6_A3, type is buried.
-- synthesized logic cell
_LC6_A3  = LCELL( _EQ141);
  _EQ141 =  _LC2_A3 &  _LC2_B2
         #  _LC2_A3 & !SECOND3;

-- Node name is '~656~5' from file "calendar2.tdf" line 163, column 16
-- Equation name is '~656~5', location is LC2_A13, type is buried.
-- synthesized logic cell
_LC2_A13 = LCELL( _EQ142);
  _EQ142 =  _LC2_B3 &  _LC6_B2
         #  _LC2_B3 & !YEAR11
         #  _LC6_B2 & !YEAR15
         # !YEAR11 & !YEAR15;

-- Node name is ':656' from file "calendar2.tdf" line 163, column 16
-- Equation name is '_LC6_A13', type is buried
!_LC6_A13 = _LC6_A13~NOT;
_LC6_A13~NOT = LCELL( _EQ143);
  _EQ143 =  _LC1_A13 &  _LC2_A13 &  _LC6_A3 &  _LC7_B12;

-- Node name is ':659' from file "calendar2.tdf" line 164, column 13
-- Equation name is '_LC6_A5', type is buried
_LC6_A5  = LCELL( _EQ144);
  _EQ144 =  _LC1_B2 &  _LC4_A5;
```

```
-- Node name is ':662' from file "calendar2.tdf" line 164, column 13
-- Equation name is '_LC5_A5', type is buried
_LC5_A5  = LCELL( _EQ145);
  _EQ145 =  _LC1_B2 &  _LC7_A5;

-- Node name is ':665' from file "calendar2.tdf" line 164, column 13
-- Equation name is '_LC6_A9', type is buried
_LC6_A9  = LCELL( _EQ146);
  _EQ146 =  _LC1_B2 &  _LC2_A9;

-- Node name is '~668~1' from file "calendar2.tdf" line 164, column 13
-- Equation name is '~668~1', location is LC1_B2, type is buried.
-- synthesized logic cell
_LC1_B2  = LCELL( _EQ147);
  _EQ147 = !dispsel1
         # !dispsel2
         # !dispsel3;

-- Node name is ':668' from file "calendar2.tdf" line 164, column 13
-- Equation name is '_LC5_A9', type is buried
_LC5_A9  = LCELL( _EQ148);
  _EQ148 =  _LC1_B2 &  _LC3_A9
         #  _LC1_B2 &  _LC2_A9;

-- Node name is ':671' from file "calendar2.tdf" line 164, column 13
-- Equation name is '_LC8_A5', type is buried
_LC8_A5  = LCELL( _EQ149);
  _EQ149 =  _LC1_B2 &  _LC2_A5
         #  _LC1_B2 &  _LC7_A5;

-- Node name is ':674' from file "calendar2.tdf" line 164, column 13
-- Equation name is '_LC3_A5', type is buried
_LC3_A5  = LCELL( _EQ150);
  _EQ150 =  _LC1_B2 &  _LC7_A9
         #  _LC1_B2 &  _LC2_A5
         #  _LC1_A5 &  _LC1_B2;

-- Node name is ':677' from file "calendar2.tdf" line 164, column 13
-- Equation name is '_LC1_A9', type is buried
_LC1_A9  = LCELL( _EQ151);
  _EQ151 =  _LC1_B2 & !_LC4_A9
         #  _LC1_B2 &  _LC3_A9
         #  _LC1_B2 &  _LC2_A9;

-- Node name is '~685~1' from file "calendar2.tdf" line 183, column 16
-- Equation name is '~685~1', location is LC3_A3, type is buried.
-- synthesized logic cell
_LC3_A3  = LCELL( _EQ152);
  _EQ152 = !YEAR1 & !YEAR2 & !YEAR7;

-- Node name is '~685~2' from file "calendar2.tdf" line 183, column 16
-- Equation name is '~685~2', location is LC4_A3, type is buried.
-- synthesized logic cell
_LC4_A3  = LCELL( _EQ153);
  _EQ153 =  _LC3_A3 & !YEAR3 & !YEAR5 & !YEAR6;

-- Node name is '~685~3' from file "calendar2.tdf" line 183, column 16
-- Equation name is '~685~3', location is LC4_A14, type is buried.
-- synthesized logic cell
!_LC4_A14 = _LC4_A14~NOT;
_LC4_A14~NOT = LCELL( _EQ154);
  _EQ154 =  YEAR1
         #  YEAR2;

-- Node name is ':685' from file "calendar2.tdf" line 183, column 16
-- Equation name is '_LC6_A21', type is buried
!_LC6_A21 = _LC6_A21~NOT;
_LC6_A21~NOT = LCELL( _EQ155);
  _EQ155 =  _LC4_A3 & !YEAR0 & !YEAR4;

-- Node name is ':1055' from file "calendar2.tdf" line 251, column 3
-- Equation name is '_LC3_A4', type is buried
_LC3_A4  = LCELL( _EQ156);
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  _EQ156 = !nPRESET & !SELECT0 & !SELECT1 & !SELECT2;

-- Node name is ':1109' from file "calendar2.tdf" line 259, column 3
-- Equation name is '_LC6_A4', type is buried
_LC6_A4  = LCELL( _EQ157);
  _EQ157 = !nPRESET &  SELECT0 & !SELECT1 & !SELECT2;

-- Node name is ':1210' from file "calendar2.tdf" line 267, column 3
-- Equation name is '_LC5_A4', type is buried
_LC5_A4  = LCELL( _EQ158);
  _EQ158 = !nPRESET & !SELECT0 &  SELECT1 & !SELECT2;

-- Node name is ':1217' from file "calendar2.tdf" line 268, column 16
-- Equation name is ' LC5 B14', type is buried
_LC5_B14 = LCELL( _EQ159);
  _EQ159 =  _LC5_A4 &  VALUE3;

-- Node name is ':1219' from file "calendar2.tdf" line 268, column 16
-- Equation name is '_LC3_B7', type is buried
 LC3 B7  = LCELL(  EQ160);
  _EQ160 =  _LC5_A4 &  VALUE4;

-- Node name is ':1312' from file "calendar2.tdf" line 274, column 3
-- Equation name is '_LC7_A4', type is buried
_LC7_A4  = LCELL( _EQ161);
  _EQ161 = !nPRESET &  SELECT0 &  SELECT1 & !SELECT2;

-- Node name is ':1319' from file "calendar2.tdf" line 275, column 14
-- Equation name is '_LC4_B21', type is buried
_LC4_B21 = LCELL( _EQ162);
  _EQ162 =  _LC7_A4 &  VALUE3;

-- Node name is ':1321' from file "calendar2.tdf" line 275, column 14
-- Equation name is '_LC5_B11', type is buried
_LC5_B11 = LCELL( _EQ163);
  _EQ163 =  _LC7_A4 &  VALUE4;

-- Node name is ':1413' from file "calendar2.tdf" line 281, column 3
-- Equation name is '_LC8_A4', type is buried
_LC8_A4  = LCELL( _EQ164);
  _EQ164 = !nPRESET & !SELECT0 & !SELECT1 &  SELECT2;

-- Node name is ':1414' from file "calendar2.tdf" line 282, column 15
-- Equation name is ' LC4 A16', type is buried
_LC4_A16 = LCELL( _EQ165);
  _EQ165 =  _LC8_A4 &  VALUE0;

-- Node name is ':1416' from file "calendar2.tdf" line 282, column 15
-- Equation name is '_LC1_A11', type is buried
_LC1_A11 = LCELL( _EQ166);
  _EQ166 =  _LC8_A4 &  VALUE1;

-- Node name is ':1418' from file "calendar2.tdf" line 282, column 15
-- Equation name is '_LC3_A11', type is buried
_LC3_A11 = LCELL( _EQ167);
  _EQ167 =  _LC8_A4 &  VALUE2;

-- Node name is ':1515' from file "calendar2.tdf" line 288, column 3
-- Equation name is '_LC2_A4', type is buried
_LC2_A4  = LCELL( _EQ168);
  _EQ168 = !nPRESET &  SELECT0 & !SELECT1 &  SELECT2;

-- Node name is ':1516' from file "calendar2.tdf" line 289, column 17
-- Equation name is '_LC5_A7', type is buried
_LC5_A7  = LCELL( _EQ169);
  _EQ169 =  _LC2_A4 &  VALUE0;

-- Node name is ':1518' from file "calendar2.tdf" line 289, column 17
-- Equation name is '_LC8_A12', type is buried
_LC8_A12 = LCELL( _EQ170);
  _EQ170 =  _LC2_A4 &  VALUE1;

-- Node name is ':1520' from file "calendar2.tdf" line 289, column 17
-- Equation name is '_LC7_A11', type is buried
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_LC7_A11 = LCELL( _EQ171);
  _EQ171 =  _LC2_A4 &  VALUE2;

-- Node name is ':1617' from file "calendar2.tdf" line 295, column 3
-- Equation name is '_LC1_A4', type is buried
_LC1_A4  = LCELL( _EQ172);
  _EQ172 = !nPRESET & !SELECT0 &  SELECT1 &  SELECT2;

-- Node name is ':1618' from file "calendar2.tdf" line 296, column 17
-- Equation name is '_LC5_B7', type is buried
_LC5_B7  = LCELL( _EQ173);
  _EQ173 =  _LC1_A4 &  VALUE0;

-- Node name is ':1624' from file "calendar2.tdf" line 296, column 17
-- Equation name is '_LC8_B8', type is buried
_LC8_B8  = LCELL( _EQ174);
  _EQ174 =  _LC1_A4 &  VALUE3;

-- Node name is ':1713' from file "calendar2.tdf" line 302, column 3
-- Equation name is ' LC8 A6', type is buried
_LC8_A6  = LCELL( _EQ175);
  _EQ175 = !nPRESET &  SELECT0 &  SELECT1 &  SELECT2;

-- Node name is '~1830~1' from file "calendar2.tdf" line 310, column 18
-- Equation name is '~1830~1', location is LC6_B18, type is buried.
-- synthesized logic cell
_LC6_B18 = LCELL( _EQ176);
  _EQ176 =  counter12
         #  counter11
         #  counter10
         #  counter9;

-- Node name is '~1830~2' from file "calendar2.tdf" line 310, column 18
-- Equation name is '~1830~2', location is LC8_B4, type is buried.
-- synthesized logic cell
_LC8_B4  = LCELL( _EQ177);
  _EQ177 =  counter16
         #  counter15
         #  counter14
         #  counter13;

-- Node name is '~1830~3' from file "calendar2.tdf" line 310, column 18
-- Equation name is '~1830~3', location is LC6_B4, type is buried.
-- synthesized logic cell
_LC6_B4  = LCELL( _EQ178);
  _EQ178 =  _LC6_B18
         #  _LC8_B4
         #  counter18
         #  counter17;

-- Node name is '~1830~4' from file "calendar2.tdf" line 310, column 18
-- Equation name is '~1830~4', location is LC6_B13, type is buried.
-- synthesized logic cell
_LC6_B13 = LCELL( _EQ179);
  _EQ179 =  counter4
         #  counter3
         #  counter2
         #  counter19;

-- Node name is '~1830~5' from file "calendar2.tdf" line 310, column 18
-- Equation name is '~1830~5', location is LC3_B19, type is buried.
-- synthesized logic cell
_LC3_B19 = LCELL( _EQ180);
  _EQ180 =  counter8
         #  counter7
         # !counter6
         # !counter5;

-- Node name is ':1830' from file "calendar2.tdf" line 310, column 18
-- Equation name is '_LC8_B13', type is buried
_LC8_B13 = LCELL( _EQ181);
  _EQ181 =  _LC6_B4
         #  _LC6_B13
         #  _LC3_B19
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         # !_LC4_B12;

-- Node name is ':1832' from file "calendar2.tdf" line 310, column 1
-- Equation name is '_LC7_B13', type is buried
_LC7_B13 = LCELL( _EQ182);
  _EQ182 = !_LC8_B13 &  nPRESET;

-- Node name is ':1842' from file "calendar2.tdf" line 312, column 15
-- Equation name is '_LC8_A18', type is buried
!_LC8_A18 = _LC8_A18~NOT;
_LC8_A18~NOT = LCELL( _EQ183);
  _EQ183 = !_LC4_B7 &  SECOND4 & !SECOND5 &  SECOND6;

-- Node name is ':1844' from file "calendar2.tdf" line 312, column 2
-- Equation name is '_LC4_A18', type is buried
_LC4_A18 = LCELL( _EQ184);
  _EQ184 =  _LC7_B13 & !_LC8_A18;

-- Node name is ':1854' from file "calendar2.tdf" line 314, column 16
-- Equation name is ' LC6_A17', type is buried
!_LC6_A17 = _LC6_A17~NOT;
_LC6_A17~NOT = LCELL( _EQ185);
  _EQ185 = !_LC5_A17 &  MINUTE4 & !MINUTE5 &  MINUTE6;

-- Node name is ':1856' from file "calendar2.tdf" line 314, column 3
-- Equation name is ' LC1 A17', type is buried
_LC1_A17 = LCELL( _EQ186);
  _EQ186 =  _LC4_A18 & !_LC6_A17;

-- Node name is '~1864~1' from file "calendar2.tdf" line 316, column 15
-- Equation name is '~1864~1', location is LC7_A16, type is buried.
-- synthesized logic cell
_LC7_A16 = LCELL( _EQ187);
  _EQ187 =  HOUR4
         #  HOUR3
         # !HOUR5;

-- Node name is ':1864' from file "calendar2.tdf" line 316, column 15
-- Equation name is '_LC6_A16', type is buried
_LC6_A16 = LCELL( _EQ188);
  _EQ188 = !HOUR0
         # !HOUR1
         #  HOUR2
         #  _LC7_A16;

-- Node name is ':1866' from file "calendar2.tdf" line 316, column 4
-- Equation name is '_LC3_B5', type is buried
_LC3_B5  = LCELL( _EQ189);
  _EQ189 =  _LC1_A17 & !_LC6_A16;

-- Node name is '~1871~1' from file "calendar2.tdf" line 318, column 17
-- Equation name is '~1871~1', location is LC1_B9, type is buried.
-- synthesized logic cell
!_LC1_B9 = _LC1_B9~NOT;
_LC1_B9~NOT = LCELL( _EQ190);
  _EQ190 = !MONTH0 & !MONTH2;

-- Node name is ':1871' from file "calendar2.tdf" line 318, column 17
-- Equation name is '_LC8_B9', type is buried
_LC8_B9  = LCELL( _EQ191);
  _EQ191 =  MONTH4
         #  MONTH3
         # !MONTH1
         #  _LC1_B9;

-- Node name is '~1894~1' from file "calendar2.tdf" line 319, column 46
-- Equation name is '~1894~1', location is LC1_B11, type is buried.
-- synthesized logic cell
_LC1_B11 = LCELL( _EQ192);
  _EQ192 = !DAY1 & !DAY2 &  DAY5;

-- Node name is '~1895~1' from file "calendar2.tdf" line 319, column 6
-- Equation name is '~1895~1', location is LC7_B20, type is buried.
-- synthesized logic cell
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_LC7_B20 = LCELL( _EQ193);
  _EQ193 =  DAY3 & !DAY4 &  _LC1_B11 & !_LC8_B9;

-- Node name is ':1895' from file "calendar2.tdf" line 319, column 6
-- Equation name is '_LC2_B20', type is buried
_LC2_B20 = LCELL( _EQ194);
  _EQ194 =  DAY0 &  isLeapYear &  _LC3_B5 &  _LC7_B20
         # !DAY0 & !isLeapYear &  _LC3_B5 &  _LC7_B20;

-- Node name is '~2008~1' from file "calendar2.tdf" line 326, column 77
-- Equation name is '~2008~1', location is LC3_B9, type is buried.
-- synthesized logic cell
_LC3_B9  = LCELL( _EQ195);
   EQ195 =  MONTH0 & !MONTH4
         # !_LC1_B9 &  MONTH1 &  MONTH4;

-- Node name is '~2008~2' from file "calendar2.tdf" line 326, column 77
-- Equation name is '~2008~2', location is LC7_B9, type is buried.
-- synthesized logic cell
 LC7_B9  = LCELL(  EQ196);
  _EQ196 = !_LC1_B9 &  MONTH1 &  MONTH4;

-- Node name is ':2008' from file "calendar2.tdf" line 326, column 77
-- Equation name is '_LC4_B9', type is buried
_LC4_B9  = LCELL( _EQ197);
   EQ197 = ! LC1 B9 &  MONTH3 & !MONTH4
         #  _LC3_B9 & !MONTH3;

-- Node name is ':2009' from file "calendar2.tdf" line 325, column 5
-- Equation name is '_LC2_B9', type is buried
_LC2_B9  = LCELL( _EQ198);
  _EQ198 =  _LC1_A17 &  _LC4_B9 & !_LC6_A16 &  _LC8_B9;

-- Node name is ':2017' from file "calendar2.tdf" line 328, column 16
-- Equation name is '_LC4_B3', type is buried
!_LC4_B3 = _LC4_B3~NOT;
_LC4_B3~NOT = LCELL( _EQ199);
  _EQ199 =  DAY0 & !DAY3 &  DAY4 &  _LC1_B11;

-- Node name is ':2028' from file "calendar2.tdf" line 330, column 7
-- Equation name is '_LC3_B3', type is buried
_LC3_B3  = LCELL( _EQ200);
  _EQ200 =  _LC2_B9 & !_LC4_B3 &  _LC7_B9 & !MONTH3;

-- Node name is ':2061' from file "calendar2.tdf" line 332, column 8
-- Equation name is '_LC1_A14', type is buried
_LC1_A14 = LCELL( _EQ201);
  _EQ201 =  _LC3_B3 & !_LC4_A14
         #  _LC3_B3 & !YEAR0
         #  _LC3_B3 & !YEAR3;

-- Node name is ':2094' from file "calendar2.tdf" line 345, column 32
-- Equation name is '_LC7_A14', type is buried
_LC7_A14 = LCELL( _EQ202);
  _EQ202 = !YEAR1 &  YEAR2
         # !YEAR0 &  YEAR2
         #  YEAR0 &  YEAR1 & !YEAR2;

-- Node name is ':2098' from file "calendar2.tdf" line 345, column 32
-- Equation name is '_LC8_A14', type is buried
_LC8_A14 = LCELL( _EQ203);
  _EQ203 = !YEAR2 &  YEAR3
         # !YEAR1 &  YEAR3
         # !YEAR0 &  YEAR3
         #  YEAR0 &  YEAR1 &  YEAR2 & !YEAR3;

-- Node name is ':2103' from file "calendar2.tdf" line 345, column 20
-- Equation name is '_LC7_A21', type is buried
_LC7_A21 = LCELL( _EQ204);
  _EQ204 =  _LC1_A14 & !YEAR0 &  YEAR1
         #  _LC1_A14 &  YEAR0 & !YEAR1;

-- Node name is ':2109' from file "calendar2.tdf" line 330, column 7
-- Equation name is '_LC4_B20', type is buried
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_LC4_B20 = LCELL( _EQ205);
  _EQ205 =  _LC2_B9 & !_LC4_B3 &  MONTH3
         #  _LC2_B9 & !_LC4_B3 & !_LC7_B9;

-- Node name is ':2172' from file "calendar2.tdf" line 352, column 23
-- Equation name is '_LC3_B15', type is buried
!_LC3_B15 = _LC3_B15~NOT;
_LC3_B15~NOT = LCELL( _EQ206);
  _EQ206 =  DAY0 & !DAY1 & !DAY2 &  DAY3;

-- Node name is ':2228' from file "calendar2.tdf" line 352, column 6
-- Equation name is '_LC7_B15', type is buried
_LC7_B15 = LCELL( _EQ207);
  _EQ207 =  _LC2_B9 &  _LC3_B15 &  _LC4_B3;

-- Node name is ':2235' from file "calendar2.tdf" line 358, column 28
-- Equation name is '_LC5_B21', type is buried
_LC5_B21 = LCELL( _EQ208);
  _EQ208 =  DAY0 &  DAY1;

-- Node name is ':2250' from file "calendar2.tdf" line 358, column 17
-- Equation name is '_LC6_B21', type is buried
_LC6_B21 = LCELL( _EQ209);
  _EQ209 = !DAY2 &  DAY3 &  _LC7_B15
         #  DAY3 & !_LC5_B21 &  _LC7_B15
         #  DAY2 & !DAY3 &  _LC5_B21 &  _LC7_B15;

-- Node name is ':2299' from file "calendar2.tdf" line 325, column 5
-- Equation name is '_LC5_B9', type is buried
_LC5_B9  = LCELL( _EQ210);
  _EQ210 =  _LC1_A17 & !_LC4_B9 & !_LC6_A16 &  _LC8_B9;

-- Node name is '~2308~1' from file "calendar2.tdf" line 364, column 6
-- Equation name is '~2308~1', location is LC6_B20, type is buried.
-- synthesized logic cell
_LC6_B20 = LCELL( _EQ211);
  _EQ211 = !DAY0 & !DAY3 &  DAY4 &  _LC1_B11;

-- Node name is ':2318' from file "calendar2.tdf" line 367, column 32
-- Equation name is '_LC7_B14', type is buried
_LC7_B14 = LCELL( _EQ212);
  _EQ212 =  MONTH0 &  MONTH1;

-- Node name is ':2434' from file "calendar2.tdf" line 376, column 22
-- Equation name is '_LC6_A20', type is buried
!_LC6_A20 = _LC6_A20~NOT;
_LC6_A20~NOT = LCELL( _EQ213);
  _EQ213 =  HOUR0 & !HOUR1 & !HOUR2 &  HOUR3;

-- Node name is ':2436' from file "calendar2.tdf" line 376, column 4
-- Equation name is '_LC5_A8', type is buried
_LC5_A8  = LCELL( _EQ214);
  _EQ214 =  _LC1_A17 & !_LC6_A20;

-- Node name is ':2446' from file "calendar2.tdf" line 378, column 16
-- Equation name is '_LC6_A8', type is buried
_LC6_A8  = LCELL( _EQ215);
  _EQ215 =  HOUR4 & !HOUR5 &  _LC5_A8
         # !HOUR4 &  HOUR5 &  _LC5_A8;

-- Node name is ':2502' from file "calendar2.tdf" line 376, column 4
-- Equation name is '_LC3_A20', type is buried
_LC3_A20 = LCELL( _EQ216);
  _EQ216 =  _LC1_A17 &  _LC6_A16 &  _LC6_A20;

-- Node name is ':2519' from file "calendar2.tdf" line 384, column 28
-- Equation name is '_LC5_A16', type is buried
_LC5_A16 = LCELL( _EQ217);
  _EQ217 = !HOUR2 &  HOUR3
         # !HOUR0 &  HOUR3
         # !HOUR1 &  HOUR3
         #  HOUR0 &  HOUR1 &  HOUR2 & !HOUR3;

-- Node name is ':2524' from file "calendar2.tdf" line 384, column 16
```

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-- Equation name is '_LC4_A11', type is buried
_LC4_A11 = LCELL( _EQ218);
  _EQ218 =  HOUR0 & !HOUR1 &  _LC3_A20
         # !HOUR0 &  HOUR1 &  _LC3_A20;

-- Node name is ':2526' from file "calendar2.tdf" line 384, column 16
-- Equation name is '_LC6_A11', type is buried
_LC6_A11 = LCELL( _EQ219);
  _EQ219 = !HOUR0 &  HOUR2 &  _LC3_A20
         # !HOUR1 &  HOUR2 &  _LC3_A20
         #  HOUR0 &  HOUR1 & !HOUR2 &  _LC3_A20;

-- Node name is ':2589' from file "calendar2.tdf" line 389, column 23
-- Equation name is ' LC5_A17', type is buried
!_LC5_A17 = _LC5_A17~NOT;
_LC5_A17~NOT = LCELL( _EQ220);
  _EQ220 =  MINUTE0 & !MINUTE1 & !MINUTE2 &  MINUTE3;

-- Node name is ':2591' from file "calendar2.tdf" line 389, column 3
-- Equation name is ' LC8 A17', type is buried
_LC8_A17 = LCELL( _EQ221);
  _EQ221 =  _LC4_A18 & !_LC5_A17 &  _LC6_A17;

-- Node name is ':2600' from file "calendar2.tdf" line 391, column 31
-- Equation name is '_LC6_A7', type is buried
 LC6 A7  = LCELL(  EQ222);
  _EQ222 = !MINUTE4 &  MINUTE6
         # !MINUTE5 &  MINUTE6
         #  MINUTE4 &  MINUTE5 & !MINUTE6;

-- Node name is ':2605' from file "calendar2.tdf" line 391, column 17
-- Equation name is ' LC7 A7', type is buried
_LC7_A7  = LCELL( _EQ223);
  _EQ223 =  _LC8_A17 &  MINUTE4 & !MINUTE5
         #  _LC8_A17 & !MINUTE4 &  MINUTE5;

-- Node name is ':2675' from file "calendar2.tdf" line 389, column 3
-- Equation name is ' LC3 A17', type is buried
_LC3_A17 = LCELL( _EQ224);
  _EQ224 =  _LC4_A18 &  _LC5_A17 &  _LC6_A17;

-- Node name is ':2694' from file "calendar2.tdf" line 398, column 31
-- Equation name is '_LC7_A12', type is buried
 LC7 A12 = LCELL(  EQ225);
  _EQ225 = !MINUTE2 &  MINUTE3
         # !MINUTE0 &  MINUTE3
         # !MINUTE1 &  MINUTE3
         #  MINUTE0 &  MINUTE1 &  MINUTE2 & !MINUTE3;

-- Node name is ':2699' from file "calendar2.tdf" line 398, column 17
-- Equation name is '_LC5_A12', type is buried
_LC5_A12 = LCELL( _EQ226);
  _EQ226 =  _LC3_A17 &  MINUTE0 & !MINUTE1
         #  _LC3_A17 & !MINUTE0 &  MINUTE1;

-- Node name is ':2701' from file "calendar2.tdf" line 398, column 17
-- Equation name is '_LC3_A12', type is buried
_LC3_A12 = LCELL( _EQ227);
  _EQ227 =  _LC3_A17 & !MINUTE0 &  MINUTE2
         #  _LC3_A17 & !MINUTE1 &  MINUTE2
         #  _LC3_A17 &  MINUTE0 &  MINUTE1 & !MINUTE2;

-- Node name is ':2776' from file "calendar2.tdf" line 404, column 22
-- Equation name is '_LC4_B7', type is buried
!_LC4_B7 = _LC4_B7~NOT;
_LC4_B7~NOT = LCELL( _EQ228);
  _EQ228 =  SECOND0 & !SECOND1 & !SECOND2 &  SECOND3;

-- Node name is ':2778' from file "calendar2.tdf" line 404, column 2
-- Equation name is '_LC5_A18', type is buried
_LC5_A18 = LCELL( _EQ229);
  _EQ229 = !_LC4_B7 &  _LC7_B13 &  _LC8_A18;

-- Node name is ':2787' from file "calendar2.tdf" line 406, column 30
```

```
-- Equation name is '_LC1_A18', type is buried
_LC1_A18 = LCELL( _EQ230);
  _EQ230 = !SECOND5 &  SECOND6
         # !SECOND4 &  SECOND6
         #  SECOND4 &  SECOND5 & !SECOND6;

-- Node name is ':2792' from file "calendar2.tdf" line 406, column 16
-- Equation name is '_LC1_A19', type is buried
_LC1_A19 = LCELL( _EQ231);
  _EQ231 =  _LC5_A18 & !SECOND4 &  SECOND5
         #  _LC5_A18 &  SECOND4 & !SECOND5;

-- Node name is ':2876' from file "calendar2.tdf" line 404, column 2
-- Equation name is ' LC3 A18', type is buried
_LC3_A18 = LCELL( _EQ232);
  _EQ232 =  _LC4_B7 &  _LC7_B13 &  _LC8_A18;

-- Node name is ':2883' from file "calendar2.tdf" line 413, column 30
-- Equation name is '_LC2_B8', type is buried
 LC2 B8  = LCELL(  EQ233);
  _EQ233 =  SECOND0 &  SECOND1;

-- Node name is ':2898' from file "calendar2.tdf" line 413, column 16
-- Equation name is '_LC3_B8', type is buried
_LC3_B8  = LCELL( _EQ234);
   EQ234 =   LC3 A18 & !SECOND2 &  SECOND3
         # !_LC2_B8 &  _LC3_A18 &  SECOND3
         #  _LC2_B8 &  _LC3_A18 &  SECOND2 & !SECOND3;

-- Node name is ':3120' from file "calendar2.tdf" line 310, column 1
-- Equation name is '_LC3_B13', type is buried
 LC3 B13 = LCELL(  EQ235);
  _EQ235 =  _LC8_B13 &  nPRESET;

-- Node name is '~3136~1' from file "calendar2.tdf" line 433, column 16
-- Equation name is '~3136~1', location is LC3_B17, type is buried.
-- synthesized logic cell
 LC3 B17 = LCELL(  EQ236);
  _EQ236 =  dispcnt0
         #  dispcnt14
         #  dispcnt13
         #  dispcnt12;

-- Node name is '~3136~2' from file "calendar2.tdf" line 433, column 16
-- Equation name is '~3136~2', location is LC7_B16, type is buried.
-- synthesized logic cell
_LC7_B16 = LCELL( _EQ237);
  _EQ237 =  dispcnt3
         #  dispcnt2
         # !dispcnt1
         #  dispcnt15;

-- Node name is '~3136~3' from file "calendar2.tdf" line 433, column 16
-- Equation name is '~3136~3', location is LC7_B6, type is buried.
-- synthesized logic cell
_LC7_B6  = LCELL( _EQ238);
  _EQ238 =  dispcnt7
         #  dispcnt6
         #  dispcnt5
         #  dispcnt4;

-- Node name is '~3136~4' from file "calendar2.tdf" line 433, column 16
-- Equation name is '~3136~4', location is LC1_B10, type is buried.
-- synthesized logic cell
_LC1_B10 = LCELL( _EQ239);
  _EQ239 =  dispcnt11
         #  dispcnt10
         #  dispcnt9
         #  dispcnt8;

-- Node name is ':3136' from file "calendar2.tdf" line 433, column 16
-- Equation name is '_LC5_B17', type is buried
_LC5_B17 = LCELL( _EQ240);
  _EQ240 =  _LC3_B17
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        #  _LC7_B16
        #  _LC7_B6
        #  _LC1_B10;

-- Node name is ':3144' from file "calendar2.tdf" line 435, column 17
-- Equation name is '_LC2_B2', type is buried
_LC2_B2  = LCELL( _EQ241);
  _EQ241 = !dispsel0
        # !dispsel3
        #  dispsel1
        # !dispsel2;

-- Node name is ':3154' from file "calendar2.tdf" line 438, column 25
-- Equation name is ' LC6 B5', type is buried
_LC6_B5  = LCELL( _EQ242);
  _EQ242 =  dispsel0 &  dispsel1;

-- Node name is ':3158' from file "calendar2.tdf" line 438, column 25
-- Equation name is '_LC7_B5', type is buried
 LC7 B5  = LCELL(  EQ243);
  _EQ243 =  dispsel0 &  dispsel1 &  dispsel2;

-- Node name is ':3178' from file "calendar2.tdf" line 441, column 24
-- Equation name is '_LC5_B16', type is buried
_LC5_B16 = LCELL( _EQ244);
  _EQ244 =  dispcnt0 &  dispcnt1;

-- Node name is ':3186' from file "calendar2.tdf" line 441, column 24
-- Equation name is '_LC1_B16', type is buried
_LC1_B16 = LCELL( _EQ245);
  _EQ245 =  dispcnt2 &  dispcnt3 &  _LC5_B16;

-- Node name is ':3194' from file "calendar2.tdf" line 441, column 24
-- Equation name is '_LC1_B6', type is buried
_LC1_B6  = LCELL( _EQ246);
  _EQ246 =  dispcnt4 &  dispcnt5 &  _LC1_B16;

-- Node name is ':3202' from file "calendar2.tdf" line 441, column 24
-- Equation name is '_LC3_B6', type is buried
_LC3_B6  = LCELL( _EQ247);
  _EQ247 =  dispcnt6 &  dispcnt7 &  _LC1_B6;

-- Node name is ':3206' from file "calendar2.tdf" line 441, column 24
-- Equation name is ' LC3 B10', type is buried
_LC3_B10 = LCELL( _EQ248);
  _EQ248 =  dispcnt8 &  _LC3_B6;

-- Node name is ':3214' from file "calendar2.tdf" line 441, column 24
-- Equation name is '_LC4_B10', type is buried
_LC4_B10 = LCELL( _EQ249);
  _EQ249 =  dispcnt8 &  dispcnt9 &  dispcnt10 &  _LC3_B6;

-- Node name is ':3218' from file "calendar2.tdf" line 441, column 24
-- Equation name is '_LC2_B10', type is buried
_LC2_B10 = LCELL( _EQ250);
  _EQ250 =  dispcnt11 &  _LC4_B10;

-- Node name is ':3226' from file "calendar2.tdf" line 441, column 24
-- Equation name is '_LC7_B17', type is buried
_LC7_B17 = LCELL( _EQ251);
  _EQ251 =  dispcnt12 &  dispcnt13 &  _LC2_B10;

-- Node name is '~3266~1' from file "calendar2.tdf" line 441, column 13
-- Equation name is '~3266~1', location is LC2_B17, type is buried.
-- synthesized logic cell
_LC2_B17 = LCELL( _EQ252);
  _EQ252 =  _LC5_B17 &  _LC7_B13
        #  _LC3_B13 &  _LC5_B17;

-- Node name is '~3274~1' from file "calendar2.tdf" line 442, column 13
-- Equation name is '~3274~1', location is LC4_B17, type is buried.
-- synthesized logic cell
_LC4_B17 = LCELL( _EQ253);
  _EQ253 =  _LC2_B2 & !_LC5_B17 &  _LC7_B13
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         #  _LC2_B2 &  _LC3_B13 & !_LC5_B17;

-- Node name is '~3276~1' from file "calendar2.tdf" line 444, column 9
-- Equation name is '~3276~1', location is LC5_B15, type is buried.
-- synthesized logic cell
_LC5_B15 = LCELL( _EQ254);
  _EQ254 =  _LC5_B20
         #  _LC2_B15
         #  _LC2_B20
         #  _LC5_A4;

-- Node name is '~3276~2' from file "calendar2.tdf" line 444, column 9
-- Equation name is '~3276~2', location is LC2_A21, type is buried.
-- synthesized logic cell
_LC2_A21 = LCELL( _EQ255);
  _EQ255 =  _LC5_B15 &  YEAR0
         #  _LC3_A4 &  YEAR0
         #  _LC3_B3 & !YEAR0;

-- Node name is '~3278~1' from file "calendar2.tdf" line 444, column 9
-- Equation name is '~3278~1', location is LC5_A21, type is buried.
-- synthesized logic cell
_LC5_A21 = LCELL( _EQ256);
  _EQ256 =  _LC7_A21
         #  _LC6_A4 &  VALUE1;

-- Node name is '~3280~1' from file "calendar2.tdf" line 444, column 9
-- Equation name is '~3280~1', location is LC2_A14, type is buried.
-- synthesized logic cell
_LC2_A14 = LCELL( _EQ257);
  _EQ257 =  _LC1_A14 &  _LC7_A14
         #  _LC6_A4 &  VALUE2;

-- Node name is '~3282~1' from file "calendar2.tdf" line 444, column 9
-- Equation name is '~3282~1', location is LC3_A14, type is buried.
-- synthesized logic cell
_LC3_A14 = LCELL( _EQ258);
   EQ258 =   LC1 A14 &   LC8 A14
         #  _LC6_A4 &  VALUE3;

-- Node name is '~3284~1' from file "calendar2.tdf" line 444, column 9
-- Equation name is '~3284~1', location is LC1_A10, type is buried.
-- synthesized logic cell
 LC1 A10 = LCELL(  EQ259);
  _EQ259 =  _LC5_B15
         #  _LC3_A4
         #  _LC1_A14;

-- Node name is '~3292~1' from file "calendar2.tdf" line 444, column 9
-- Equation name is '~3292~1', location is LC6_A10, type is buried.
-- synthesized logic cell
_LC6_A10 = LCELL( _EQ260);
  _EQ260 =  _LC1_A14
         #  _LC6_A4
         #  _LC5_B15;

-- Node name is '~3308~1' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3308~1', location is LC7_A20, type is buried.
-- synthesized logic cell
_LC7_A20 = LCELL( _EQ261);
  _EQ261 =  _LC2_A4
         #  _LC3_A17
         #  _LC8_A17;

-- Node name is '~3308~2' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3308~2', location is LC1_A6, type is buried.
-- synthesized logic cell
_LC1_A6  = LCELL( _EQ262);
  _EQ262 =  _LC7_A6
         #  _LC8_A6
         #  _LC3_B13
         #  _LC7_A20;

-- Node name is '~3308~3' from file "calendar2.tdf" line 445, column 10
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-- Equation name is '~3308~3', location is LC5_A6, type is buried.
-- synthesized logic cell
_LC5_A6  = LCELL( _EQ263);
  _EQ263 =  _LC8_A8
         #  _LC7_A4
         #  _LC1_A6;

-- Node name is '~3308~4' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3308~4', location is LC2_B15, type is buried.
-- synthesized logic cell
_LC2_B15 = LCELL( _EQ264);
  _EQ264 =  _LC7_B15
         #  _LC4_B15
         #  _LC5_A6;

-- Node name is '~3308~5' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3308~5', location is LC1_B15, type is buried.
-- synthesized logic cell
_LC1_B15 = LCELL( _EQ265);
   EQ265 =   LC7 B15
         #  _LC4_B15
         #  _LC5_A6
         #  _LC5_A10;

-- Node name is '~3308~6' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3308~6', location is LC2_B7, type is buried.
-- synthesized logic cell
_LC2_B7  = LCELL( _EQ266);
  _EQ266 =  _LC5_A4 &  VALUE0
         #  _LC2_B20
         #  _LC3_B3;

-- Node name is '~3310~1' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3310~1', location is LC4_B14, type is buried.
-- synthesized logic cell
_LC4_B14 = LCELL( _EQ267);
  _EQ267 =  _LC5_B20 & !MONTH0 &  MONTH1
         #  _LC5_B20 &  MONTH0 & !MONTH1;

-- Node name is '~3310~2' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3310~2', location is LC6_B15, type is buried.
-- synthesized logic cell
_LC6_B15 = LCELL( _EQ268);
   EQ268 =   LC5 A4 &  VALUE1
         #  _LC2_B20;

-- Node name is '~3312~1' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3312~1', location is LC3_B14, type is buried.
-- synthesized logic cell
_LC3_B14 = LCELL( _EQ269);
  _EQ269 =  _LC1_B15 &  MONTH2
         #  _LC5_A4 &  VALUE2;

-- Node name is '~3314~1' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3314~1', location is LC5_B20, type is buried.
-- synthesized logic cell
_LC5_B20 = LCELL( _EQ270);
  _EQ270 =  _LC4_B20
         #  _LC5_B9 &  _LC6_B20;

-- Node name is '~3314~2' from file "calendar2.tdf" line 445, column 10
-- Equation name is '~3314~2', location is LC1_B14, type is buried.
-- synthesized logic cell
_LC1_B14 = LCELL( _EQ271);
  _EQ271 =  _LC5_B20 & !MONTH2 &  MONTH3
         #  _LC5_B20 & !_LC7_B14 &  MONTH3
         #  _LC5_B20 &  _LC7_B14 &  MONTH2 & !MONTH3;

-- Node name is '~3318~1' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3318~1', location is LC8_A8, type is buried.
-- synthesized logic cell
_LC8_A8  = LCELL( _EQ272);
  _EQ272 =  _LC3_A20
         #  _LC5_A8
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         #  _LC8_A4;

-- Node name is '~3318~2' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3318~2', location is LC2_A6, type is buried.
-- synthesized logic cell
_LC2_A6  = LCELL( _EQ273);
  _EQ273 =  _LC5_A10
         #  _LC5_A4
         #  _LC1_A6
         #  _LC8_A8;

-- Node name is '~3318~3' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3318~3', location is LC3_B20, type is buried.
-- synthesized logic cell
_LC3_B20 = LCELL( _EQ274);
  _EQ274 =  _LC2_B9 & !_LC4_B3
         # !DAY0 &  _LC2_B9
         #  _LC2_B20;

-- Node name is '~3318~4' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3318~4', location is LC1_B21, type is buried.
-- synthesized logic cell
_LC1_B21 = LCELL( _EQ275);
  _EQ275 =  DAY0 &  _LC2_A6
         #  _LC7_A4 &  VALUE0;

-- Node name is '~3320~1' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3320~1', location is LC2_B11, type is buried.
-- synthesized logic cell
_LC2_B11 = LCELL( _EQ276);
  _EQ276 =  DAY1 &  _LC2_A6
         #  _LC7_A4 &  VALUE1;

-- Node name is '~3322~1' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3322~1', location is LC3_B21, type is buried.
-- synthesized logic cell
_LC3_B21 = LCELL( _EQ277);
   EQ277 =  DAY2 &   LC2 A6
         #  _LC7_A4 &  VALUE2;

-- Node name is '~3326~1' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3326~1', location is LC4_B11, type is buried.
-- synthesized logic cell
 LC4 B11 = LCELL(  EQ278);
  _EQ278 =  _LC2_A6
         #  _LC7_B15;

-- Node name is '~3328~1' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3328~1', location is LC4_B15, type is buried.
-- synthesized logic cell
_LC4_B15 = LCELL( _EQ279);
  _EQ279 = !_LC3_B15 &  _LC5_B9
         #  _LC2_B9 & !_LC3_B15;

-- Node name is '~3328~2' from file "calendar2.tdf" line 446, column 8
-- Equation name is '~3328~2', location is LC3_B11, type is buried.
-- synthesized logic cell
_LC3_B11 = LCELL( _EQ280);
  _EQ280 =  DAY5 &  _LC4_B11
         #  _LC7_A4 &  VALUE5;

-- Node name is '~3330~1' from file "calendar2.tdf" line 447, column 9
-- Equation name is '~3330~1', location is LC4_A6, type is buried.
-- synthesized logic cell
_LC4_A6  = LCELL( _EQ281);
  _EQ281 =  _LC7_A4
         #  _LC1_A6
         #  _LC5_A10
         #  _LC5_A4;

-- Node name is '~3336~1' from file "calendar2.tdf" line 447, column 9
-- Equation name is '~3336~1', location is LC2_A16, type is buried.
-- synthesized logic cell
_LC2_A16 = LCELL( _EQ282);
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  _EQ282 =  _LC3_A20 &  _LC5_A16
         #  _LC8_A4 &  VALUE3;

-- Node name is '~3338~1' from file "calendar2.tdf" line 447, column 9
-- Equation name is '~3338~1', location is LC3_A8, type is buried.
-- synthesized logic cell
_LC3_A8  = LCELL( _EQ283);
  _EQ283 = !HOUR4 &  _LC5_A8
         #  _LC8_A4 &  VALUE4;

-- Node name is '~3340~1' from file "calendar2.tdf" line 447, column 9
-- Equation name is '~3340~1', location is LC1_A8, type is buried.
-- synthesized logic cell
 LC1_A8  = LCELL(  EQ284);
  _EQ284 =  _LC6_A8
         #  _LC8_A4 &  VALUE5;

-- Node name is '~3342~1' from file "calendar2.tdf" line 448, column 11
-- Equation name is '~3342~1', location is LC2_A19, type is buried.
-- synthesized logic cell
_LC2_A19 = LCELL( _EQ285);
  _EQ285 =  _LC6_A6
         #  _LC3_A18
         #  _LC5_A18
         #  _LC1_A4;

-- Node name is '~3342~2' from file "calendar2.tdf" line 448, column 11
-- Equation name is '~3342~2', location is LC7_A6, type is buried.
-- synthesized logic cell
_LC7_A6  = LCELL( _EQ286);
  _EQ286 =  _LC1_A4
         #   LC3_A18
         #  _LC5_A18;

-- Node name is '~3348~1' from file "calendar2.tdf" line 448, column 11
-- Equation name is '~3348~1', location is LC4_A12, type is buried.
-- synthesized logic cell
 LC4_A12 = LCELL(  EQ287);
  _EQ287 =  _LC3_A17 &  _LC7_A12
         #  _LC2_A4 &  VALUE3;

-- Node name is '~3350~1' from file "calendar2.tdf" line 448, column 11
-- Equation name is '~3350~1', location is LC4_A17, type is buried.
-- synthesized logic cell
_LC4_A17 = LCELL( _EQ288);
  _EQ288 =  _LC2_A19 &  MINUTE4
         #  _LC3_A17 &  MINUTE4
         #  _LC8_A17 & !MINUTE4;

-- Node name is '~3352~1' from file "calendar2.tdf" line 448, column 11
-- Equation name is '~3352~1', location is LC4_A7, type is buried.
-- synthesized logic cell
_LC4_A7  = LCELL( _EQ289);
  _EQ289 =  _LC7_A7
         #  _LC2_A4 &  VALUE5;

-- Node name is '~3354~1' from file "calendar2.tdf" line 448, column 11
-- Equation name is '~3354~1', location is LC1_A7, type is buried.
-- synthesized logic cell
_LC1_A7  = LCELL( _EQ290);
  _EQ290 =  _LC6_A7 &  _LC8_A17
         #  _LC2_A4 &  VALUE6;

-- Node name is '~3356~1' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3356~1', location is LC5_A10, type is buried.
-- synthesized logic cell
_LC5_A10 = LCELL( _EQ291);
  _EQ291 =  _LC3_A4
         #  _LC6_A4;

-- Node name is '~3356~2' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3356~2', location is LC3_A6, type is buried.
-- synthesized logic cell
_LC3_A6  = LCELL( _EQ292);
```

```
  _EQ292 =  _LC5_A10
         #  _LC5_A4
         #  _LC8_A4;

-- Node name is '~3356~3' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3356~3', location is LC6_A6, type is buried.
-- synthesized logic cell
_LC6_A6  = LCELL( _EQ293);
  _EQ293 =  _LC3_A6
         #  _LC7_A4
         #  _LC8_A6
         #  _LC3_B13;

-- Node name is '~3356~4' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3356~4', location is LC7_A19, type is buried.
-- synthesized logic cell
_LC7_A19 = LCELL( _EQ294);
  _EQ294 =  _LC6_A6
         #  _LC2_A4;

-- Node name is '~3358~1' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3358~1', location is LC7_B8, type is buried.
-- synthesized logic cell
_LC7_B8  = LCELL( _EQ295);
  _EQ295 =  _LC7_A19 &  SECOND1
         #  _LC1_A4 &  VALUE1;

-- Node name is '~3360~1' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3360~1', location is LC4_B8, type is buried.
-- synthesized logic cell
_LC4_B8  = LCELL( _EQ296);
   EQ296 =   LC7 A19 &  SECOND2
         #  _LC1_A4 &  VALUE2;

-- Node name is '~3364~1' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3364~1', location is LC5_A19, type is buried.
-- synthesized logic cell
 LC5 A19 = LCELL(  EQ297);
  _EQ297 =  _LC5_A18 & !SECOND4
         #  _LC1_A4 &  VALUE4;

-- Node name is '~3366~1' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3366~1', location is LC4_A19, type is buried.
-- synthesized logic cell
_LC4_A19 = LCELL( _EQ298);
  _EQ298 =  _LC1_A19
         #  _LC1_A4 &  VALUE5;

-- Node name is '~3368~1' from file "calendar2.tdf" line 449, column 11
-- Equation name is '~3368~1', location is LC6_A18, type is buried.
-- synthesized logic cell
_LC6_A18 = LCELL( _EQ299);
  _EQ299 =  _LC1_A18 &  _LC5_A18
         #  _LC1_A4 &  VALUE6;

-- Node name is ':3375' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC4_B12', type is buried
_LC4_B12 = LCELL( _EQ300);
  _EQ300 =  counter0 &  counter1;

-- Node name is ':3383' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC5_B13', type is buried
_LC5_B13 = LCELL( _EQ301);
  _EQ301 =  counter2 &  counter3 &  _LC4_B12;

-- Node name is ':3387' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC5_B12', type is buried
_LC5_B12 = LCELL( _EQ302);
  _EQ302 =  counter4 &  _LC5_B13;

-- Node name is ':3395' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC2_B19', type is buried
_LC2_B19 = LCELL( _EQ303);
  _EQ303 =  counter4 &  counter5 &  counter6 &  _LC5_B13;
```

```
-- Node name is ':3399' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC1_B19', type is buried
_LC1_B19 = LCELL( _EQ304);
  _EQ304 =  counter7 &  _LC2_B19;

-- Node name is ':3407' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC8_B19', type is buried
_LC8_B19 = LCELL( _EQ305);
  _EQ305 =  counter7 &  counter8 &  counter9 &  _LC2_B19;

-- Node name is ':3411' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC4_B18', type is buried
 LC4_B18 = LCELL(  EQ306);
  _EQ306 =  counter10 &  _LC8_B19;

-- Node name is ':3419' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC1_B18', type is buried
_LC1_B18 = LCELL( _EQ307);
  _EQ307 =  counter11 &  counter12 &  _LC4_B18;

-- Node name is ':3427' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC7_B4', type is buried
_LC7_B4  = LCELL( _EQ308);
  _EQ308 =  counter13 &  counter14 &  _LC1_B18;

-- Node name is ':3431' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC5_B4', type is buried
_LC5_B4  = LCELL( _EQ309);
  _EQ309 =  counter15 &  _LC7_B4;

-- Node name is ':3439' from file "calendar2.tdf" line 450, column 23
-- Equation name is '_LC2_B4', type is buried
_LC2_B4  = LCELL( _EQ310);
  _EQ310 =  counter15 &  counter16 &  counter17 &  _LC7_B4;
```

Project Information f:\max2work\calendar2.rpt

** COMPILATION SETTINGS & TIMES **

Processing Menu Commands

Design Doctor = off

Logic Synthesis:

Synthesis Type Used = Multi-Level

Default Synthesis Style = NORMAL

Logic option settings in 'NORMAL' style for 'FLEX8000' family

CARRY_CHAIN = ignore
CARRY_CHAIN LENGTH = 32
CASCADE_CHAIN = ignore
CASCADE_CHAIN_LENGTH = 2
DECOMPOSE_GATES = on
DUPLICATE_LOGIC_EXTRACTION = on
MINIMIZATION = full
MULTI LEVEL FACTORING = on
NOT_GATE_PUSH_BACK = on
REDUCE_LOGIC = on
REFACTORIZATION = on
REGISTER_OPTIMIZATION = on
RESYNTHESIZE_NETWORK = on
SLOW SLEW RATE = off
SUBFACTOR_EXTRACTION = on
IGNORE_SOFT_BUFFERS = on
USE_LPM_FOR_AHDL_OPERATORS = off

Other logic synthesis settings:

Automatic Global Clock = on
Automatic Global Clear = on
Automatic Global Preset = on
Automatic Global Output Enable = on
Automatic Fast I/O = off
Automatic Register Packing = off
Automatic Open-Drain Pins = on
Automatic Implement in EAB = off
Optimize = 5

Default Timing Specifications: None

Cut All Bidir Feedback Timing Paths = on
Cut All Clear & Preset Timing Paths = on

Ignore Timing Assignments = on

Functional SNF Extractor = off

Linked SNF Extractor = off
Timing SNF Extractor = on
Optimize Timing SNF = off
Generate AHDL TDO File = off
Fitter Settings = NORMAL
Smart Recompile = off
Total Recompile = off

Interfaces Menu Commands

EDIF Netlist Writer = off
Verilog Netlist Writer = off
VHDL Netlist Writer = off

Compilation Times

Compiler Netlist Extractor	00:00:00
Database Builder	00:00:00
Logic Synthesizer	00:00:01
Partitioner	00:00:00
Fitter	00:00:01
Timing SNF Extractor	00:00:00
Assembler	00:00:01
---	---
Total Time	00:00:03

Memory Allocated

Peak memory allocated during compilation = 15,475K