

MAX+plus II Compiler Report File

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***** Project compilation was successful

Untitled

** DEVICE SUMMARY **

Chip/ POF	Device	Input Pins	Output Pins	Bidir Pins	LCs	% Utilized
calendar	EPF8452ALC84-3	13	47	0	212	63 %
User Pins:		13	47	0		

Device-Specific Information:
calendar

f:\max2work\calendar.rpt

***** Logic for device 'calendar' 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

** RESOURCE USAGE **

Logic Array Block	Logic Cells	Column Interconnect Driven	Row Interconnect Driven	Clocks	Clears/Presets	External Interconnect
A1	8/ 8(100%)	6/ 8(75%)	1/ 8(12%)	1/2	1/2	9/24(37%)
A2	1/ 8(12%)	0/ 8(0%)	1/ 8(12%)	0/2	0/2	4/24(16%)
A3	8/ 8(100%)	1/ 8(12%)	3/ 8(37%)	1/2	1/2	7/24(29%)
A4	8/ 8(100%)	1/ 8(12%)	3/ 8(37%)	1/2	1/2	6/24(25%)
A5	8/ 8(100%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	7/24(29%)
A6	8/ 8(100%)	2/ 8(25%)	3/ 8(37%)	0/2	0/2	10/24(41%)
A7	8/ 8(100%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	7/24(29%)
A8	1/ 8(12%)	0/ 8(0%)	1/ 8(12%)	1/2	1/2	2/24(8%)
A9	8/ 8(100%)	0/ 8(0%)	2/ 8(25%)	1/2	1/2	3/24(12%)
A10	1/ 8(12%)	0/ 8(0%)	1/ 8(12%)	0/2	0/2	4/24(16%)
A11	1/ 8(12%)	0/ 8(0%)	1/ 8(12%)	0/2	0/2	4/24(16%)
A12	8/ 8(100%)	0/ 8(0%)	2/ 8(25%)	1/2	1/2	5/24(20%)
A13	1/ 8(12%)	1/ 8(12%)	0/ 8(0%)	1/2	1/2	3/24(12%)
A14	6/ 8(75%)	1/ 8(12%)	4/ 8(50%)	1/2	1/2	10/24(41%)
A15	3/ 8(37%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	4/24(16%)
A16	2/ 8(25%)	1/ 8(12%)	1/ 8(12%)	1/2	1/2	4/24(16%)
A17	8/ 8(100%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	3/24(12%)
A18	7/ 8(87%)	0/ 8(0%)	2/ 8(25%)	1/2	1/2	6/24(25%)
A19	5/ 8(62%)	1/ 8(12%)	2/ 8(25%)	1/2	1/2	7/24(29%)
A20	5/ 8(62%)	1/ 8(12%)	2/ 8(25%)	0/2	0/2	9/24(37%)
A21	2/ 8(25%)	1/ 8(12%)	2/ 8(25%)	1/2	1/2	5/24(20%)
B1	1/ 8(12%)	0/ 8(0%)	1/ 8(12%)	0/2	0/2	4/24(16%)
B2	2/ 8(25%)	2/ 8(25%)	2/ 8(25%)	0/2	0/2	7/24(29%)
B3	2/ 8(25%)	0/ 8(0%)	2/ 8(25%)	0/2	0/2	5/24(20%)
B4	2/ 8(25%)	0/ 8(0%)	2/ 8(25%)	0/2	0/2	5/24(20%)
B5	2/ 8(25%)	0/ 8(0%)	2/ 8(25%)	0/2	0/2	7/24(29%)
B6	6/ 8(75%)	0/ 8(0%)	1/ 8(12%)	0/2	0/2	16/24(66%)
B7	1/ 8(12%)	0/ 8(0%)	1/ 8(12%)	0/2	0/2	3/24(12%)
B8	8/ 8(100%)	2/ 8(25%)	3/ 8(37%)	1/2	1/2	9/24(37%)
B9	7/ 8(87%)	0/ 8(0%)	3/ 8(37%)	1/2	1/2	8/24(33%)
B10	8/ 8(100%)	1/ 8(12%)	3/ 8(37%)	1/2	1/2	8/24(33%)
B11	8/ 8(100%)	2/ 8(25%)	3/ 8(37%)	1/2	1/2	7/24(29%)
B12	7/ 8(87%)	1/ 8(12%)	3/ 8(37%)	1/2	1/2	9/24(37%)
B13	2/ 8(25%)	1/ 8(12%)	2/ 8(25%)	0/2	0/2	6/24(25%)
B14	8/ 8(100%)	0/ 8(0%)	4/ 8(50%)	1/2	1/2	9/24(37%)
B15	8/ 8(100%)	1/ 8(12%)	3/ 8(37%)	1/2	1/2	8/24(33%)
B16	7/ 8(87%)	1/ 8(12%)	3/ 8(37%)	0/2	0/2	14/24(58%)
B17	7/ 8(87%)	0/ 8(0%)	5/ 8(62%)	1/2	1/2	9/24(37%)
B18	5/ 8(62%)	1/ 8(12%)	2/ 8(25%)	1/2	1/2	6/24(25%)
B19	3/ 8(37%)	1/ 8(12%)	2/ 8(25%)	1/2	1/2	8/24(33%)
B20	4/ 8(50%)	1/ 8(12%)	2/ 8(25%)	1/2	1/2	9/24(37%)
B21	7/ 8(87%)	1/ 8(12%)	2/ 8(25%)	1/2	1/2	9/24(37%)

Total dedicated input pins used: 4/4 (100%)
 Total I/O pins used: 58/64 (90%)
 Total logic cells used: 212/336 (63%)
 Average fan-in: 3.42/4 (85%)
 Total fan-in: 726/1344 (54%)

Total input pins required: 13
 Total input I/O cell registers required: 0
 Total output pins required: 47
 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: 212
 Total flipflops required: 67
 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: 71/ 336 (21%)

** INPUTS **

Pin	LC	Row	Col	Primitive	Code	Fan-In		Fan-Out		Name
						INP	FBK	OUT	FBK	
12	-	-	--	INPUT	G	0	0	0	0	CLOCK1M
73	-	-	--	INPUT		0	0	0	11	nPRESET
34	-	-	01	INPUT		0	0	0	8	SELECT0
54	-	-	--	INPUT		0	0	0	8	SELECT1
31	-	-	--	INPUT		0	0	0	8	SELECT2
7	-	-	04	INPUT		0	0	0	7	VALUE0
35	-	-	03	INPUT		0	0	0	7	VALUE1
3	-	-	08	INPUT		0	0	0	7	VALUE2
9	-	-	02	INPUT		0	0	0	7	VALUE3
37	-	-	05	INPUT		0	0	0	7	VALUE4
6	-	-	06	INPUT		0	0	0	6	VALUE5
4	-	-	07	INPUT		0	0	0	4	VALUE6
39	-	-	07	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.

** OUTPUTS **

Pin	Fed By			Primitive	Code	Fan-In		Fan-Out		Name
	LC	Row	Col			INP	FBK	OUT	FBK	
58	-	B	--	OUTPUT		0	1	0	0	DAY0
1	-	-	11	OUTPUT		0	1	0	0	DAY1
30	-	B	--	OUTPUT		0	1	0	0	DAY2
42	-	-	11	OUTPUT		0	1	0	0	DAY3
18	-	A	--	OUTPUT		0	1	0	0	DAY4
40	-	-	08	OUTPUT		0	1	0	0	DAY5
28	-	B	--	OUTPUT		0	1	0	0	HOUR0
21	-	A	--	OUTPUT		0	1	0	0	HOUR1
27	-	B	--	OUTPUT		0	1	0	0	HOUR2
79	-	-	18	OUTPUT		0	1	0	0	HOUR3
64	-	A	--	OUTPUT		0	1	0	0	HOUR4
51	-	-	21	OUTPUT		0	1	0	0	HOUR5
46	-	-	16	OUTPUT		0	1	0	0	MINUTE0
72	-	A	--	OUTPUT		0	1	0	0	MINUTE1
8	-	-	03	OUTPUT		0	1	0	0	MINUTE2
15	-	A	--	OUTPUT		0	1	0	0	MINUTE3
67	-	A	--	OUTPUT		0	1	0	0	MINUTE4
71	-	A	--	OUTPUT		0	1	0	0	MINUTE5
70	-	A	--	OUTPUT		0	1	0	0	MINUTE6
2	-	-	10	OUTPUT		0	1	0	0	MONTH0
62	-	B	--	OUTPUT		0	1	0	0	MONTH1
19	-	A	--	OUTPUT		0	1	0	0	MONTH2
82	-	-	15	OUTPUT		0	1	0	0	MONTH3
77	-	-	20	OUTPUT		0	1	0	0	MONTH4
83	-	-	14	OUTPUT		0	1	0	0	SECOND0
69	-	A	--	OUTPUT		0	1	0	0	SECOND1
13	-	A	--	OUTPUT		0	1	0	0	SECOND2
16	-	A	--	OUTPUT		0	1	0	0	SECOND3
24	-	B	--	OUTPUT		0	1	0	0	SECOND4
36	-	-	04	OUTPUT		0	1	0	0	SECOND5
60	-	B	--	OUTPUT		0	1	0	0	SECOND6
49	-	-	19	OUTPUT		0	1	0	0	YEAR0
84	-	-	12	OUTPUT		0	1	0	0	YEAR1
66	-	A	--	OUTPUT		0	1	0	0	YEAR2
65	-	A	--	OUTPUT		0	1	0	0	YEAR3
57	-	B	--	OUTPUT		0	1	0	0	YEAR4
20	-	A	--	OUTPUT		0	1	0	0	YEAR5
55	-	B	--	OUTPUT		0	1	0	0	YEAR6
56	-	B	--	OUTPUT		0	1	0	0	YEAR7
44	-	-	13	OUTPUT		0	1	0	0	YEAR8
61	-	B	--	OUTPUT		0	1	0	0	YEAR9
29	-	B	--	OUTPUT		0	1	0	0	YEAR10
22	-	B	--	OUTPUT		0	1	0	0	YEAR11
25	-	B	--	OUTPUT		0	1	0	0	YEAR12
63	-	B	--	OUTPUT		0	1	0	0	YEAR13
76	-	-	21	OUTPUT		0	1	0	0	YEAR14
23	-	B	--	OUTPUT		0	1	0	0	YEAR15

Code:

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

** BURIED LOGIC **

IOC	LC	Row	Col	Primitive	Code	Fan-In		Fan-Out		Name
						INP	FBK	OUT	FBK	
-	1	A	15	DFF	+	1	0	0	3	counter0
-	7	A	18	DFF	+	0	2	0	2	counter1
-	6	A	18	DFF	+	0	2	0	3	counter2
-	5	A	18	DFF	+	0	3	0	2	counter3
-	5	A	08	DFF	+	0	2	0	4	counter4
-	8	A	09	DFF	+	0	3	0	3	counter5
-	7	A	09	DFF	+	0	2	0	2	counter6
-	6	A	09	DFF	+	0	2	0	3	counter7
-	4	A	09	DFF	+	0	3	0	2	counter8
-	3	A	15	DFF	+	0	2	0	3	counter9
-	7	A	17	DFF	+	0	3	0	2	counter10
-	6	A	17	DFF	+	0	2	0	4	counter11
-	3	A	17	DFF	+	0	3	0	3	counter12
-	4	A	17	DFF	+	0	2	0	2	counter13
-	8	A	12	DFF	+	0	2	0	3	counter14
-	7	A	12	DFF	+	0	3	0	2	counter15
-	6	A	12	DFF	+	0	2	0	3	counter16
-	5	A	12	DFF	+	0	3	0	2	counter17
-	5	A	15	DFF	+	0	2	0	2	counter18
-	3	A	19	DFF	+	0	3	0	3	counter19
-	5	B	06	OR2	!	0	4	0	1	isLeapYear
-	8	A	01	OR2	s	0	4	0	1	isLeapYear~1
-	6	A	01	OR2	s	0	4	0	1	isLeapYear~2
-	3	B	06	OR2	s	0	2	0	2	isLeapYear~3
-	1	A	01	DFF	+	1	2	1	1	:87
-	1	A	21	DFF	+	1	2	1	1	:88
-	3	A	01	DFF	+	1	2	1	1	:89
-	2	A	01	DFF	+	1	2	1	1	:90
-	5	A	01	DFF	+	1	2	1	1	:91
-	7	A	01	DFF	+	1	2	1	1	:92
-	4	A	01	DFF	+	1	2	1	1	:93
-	5	A	13	DFF	+	1	2	1	1	:94
-	6	B	17	DFF	+	1	2	1	1	:95
-	5	B	17	DFF	+	1	2	1	1	:96
-	1	B	17	DFF	+	1	2	1	1	:97
-	8	B	17	DFF	+	1	2	1	1	:98
-	4	B	12	DFF	+	0	3	1	3	:99
-	4	B	17	DFF	+	0	3	1	4	:100
-	1	B	12	DFF	+	0	3	1	4	:101
-	1	B	19	DFF	+	0	3	1	4	:102
-	1	B	20	DFF	+	0	3	1	3	:103
-	1	B	15	DFF	+	0	2	1	4	:104
-	2	B	10	DFF	+	0	3	1	4	:105
-	3	B	10	DFF	+	0	3	1	4	:106
-	1	B	10	DFF	+	0	3	1	5	:107
-	3	B	08	DFF	+	0	3	1	3	:108
-	1	B	08	DFF	+	0	3	1	4	:109
-	2	B	11	DFF	+	0	3	1	3	:110
-	5	B	11	DFF	+	0	3	1	4	:111
-	1	B	11	DFF	+	1	2	1	4	:112
-	6	B	14	DFF	+	0	3	1	9	:113
-	3	B	21	DFF	+	0	3	1	3	:114
-	1	B	09	DFF	+	0	3	1	4	:115
-	1	B	18	DFF	+	0	3	1	4	:116
-	5	B	18	DFF	+	0	3	1	5	:117
-	3	B	09	DFF	+	1	2	1	3	:118
-	6	B	09	DFF	+	0	3	1	3	:119
-	1	A	07	DFF	+	0	3	1	2	:120
-	4	A	07	DFF	+	1	2	1	3	:121
-	6	A	07	DFF	+	0	3	1	3	:122
-	1	A	03	DFF	+	0	2	1	2	:123
-	2	A	03	DFF	+	0	3	1	3	:124
-	3	A	03	DFF	+	0	3	1	4	:125
-	2	A	16	DFF	+	0	3	1	4	:126
-	5	A	04	DFF	+	0	3	1	2	:127
-	2	A	04	DFF	+	0	3	1	3	:128

-	6	A	04	DFF	+	0	3	1	3	:129	
-	1	A	05	DFF	+	0	3	1	2	:130	
-	2	A	05	DFF	+	0	3	1	3	:131	
-	4	A	05	DFF	+	0	3	1	3	:132	
-	1	A	14	DFF	+	0	3	1	3	:133	
-	1	B	06	AND2	s	0	4	0	1	~161~1	
-	2	B	06	AND2	!	0	4	0	1	:161	
-	7	A	10	AND2		4	0	0	12	:531	
-	5	B	01	AND2		4	0	0	11	:585	
-	2	B	19	AND2		1	1	0	1	:586	
-	7	B	12	AND2		1	1	0	1	:592	
-	3	B	19	AND2		4	0	0	8	:686	
-	8	B	10	AND2		1	1	0	1	:691	
-	3	B	20	AND2		1	1	0	1	:695	
-	3	B	13	AND2		4	0	0	10	:788	
-	8	B	11	AND2		1	1	0	1	:795	
-	2	B	02	AND2		4	0	0	9	:889	
-	7	B	09	AND2		1	1	0	1	:890	
-	4	B	18	AND2		1	1	0	1	:896	
-	1	A	11	AND2		4	0	0	9	:991	
-	1	A	16	AND2		1	1	0	1	:992	
-	8	A	03	AND2		1	1	0	1	:996	
-	7	A	07	AND2		1	1	0	1	:1000	
-	8	A	07	AND2		1	1	0	1	:1004	
-	3	A	02	AND2		4	0	0	8	:1093	
-	5	A	14	AND2		1	1	0	1	:1094	
-	8	A	05	AND2		1	1	0	1	:1100	
-	4	A	04	AND2		1	1	0	1	:1102	
-	7	A	04	AND2		1	1	0	1	:1104	
-	8	A	04	AND2		1	1	0	1	:1106	
-	1	A	19	AND2	s	3	0	0	1	~1189~1	
-	2	A	12	OR2	s	0	4	0	1	~1303~1	
-	4	A	12	OR2	s	0	4	0	1	~1303~2	
-	4	A	18	OR2	s	0	4	0	1	~1303~3	
-	5	A	09	OR2	s	0	4	0	1	~1303~4	
-	8	A	17	OR2	s	0	4	0	1	~1303~5	
-	1	A	18	OR2	s	0	4	0	3	~1303~6	
-	8	A	19	AND2		1	2	0	5	:1305	
-	3	A	14	OR2		0	4	0	5	:1315	
-	4	A	20	OR2		0	4	0	3	:1327	
-	5	A	20	AND2		0	3	0	6	:1329	
-	6	B	21	OR2	s	!	0	4	0	1	~1337~1
-	7	B	21	AND2	s		0	3	0	1	~1337~2
-	2	B	21	AND2		0	4	0	4	:1339	
-	3	B	15	AND2	!		0	3	0	4	:1344
-	2	B	20	AND2	s		0	2	0	1	~1367~1
-	4	B	03	AND2	s		0	3	0	4	~1367~2
-	6	B	06	AND2	s		0	4	0	1	~1368~1
-	4	B	06	OR2		0	4	0	4	:1368	
-	6	B	15	AND2	s		0	3	0	2	~1481~1
-	8	B	15	OR2	s		0	4	0	1	~1481~2
-	5	B	15	AND2	s		0	3	0	5	~1481~3
-	7	B	15	OR2		0	2	0	2	:1481	
-	8	B	14	AND2		0	3	0	3	:1482	
-	4	B	14	AND2		0	3	0	5	:1492	
-	1	B	03	AND2		0	2	0	2	:1501	
-	5	B	12	OR2	s		0	3	0	1	~1507~1
-	6	B	12	OR2		0	4	0	5	:1534	
-	6	B	13	AND2		0	2	0	2	:1565	
-	3	B	12	OR2		0	4	0	1	:1580	
-	1	B	14	OR2		0	4	0	6	:1701	
-	7	B	11	AND2		0	2	0	2	:1708	
-	3	B	11	OR2		0	4	0	1	:1723	
-	6	B	20	AND2	s		0	4	0	3	~1781~1
-	2	B	14	AND2	s		0	2	0	1	~1781~2
-	3	B	14	AND2		0	4	0	3	:1781	
-	2	B	15	OR2		0	4	0	1	:1797	
-	5	B	05	OR2		0	4	0	4	:1907	
-	2	B	09	AND2		0	2	0	1	:1909	
-	4	B	21	OR2		0	4	0	1	:1919	
-	1	B	21	OR2		0	4	0	6	:1975	
-	2	B	04	OR2	!		0	2	0	4	:1986
-	2	B	18	OR2		0	4	0	1	:2001	
-	2	A	20	OR2		0	4	0	3	:2062	

-	1	A	20	AND2		0	4	0	4	:2064
-	2	A	07	OR2		0	4	0	1	:2080
-	3	A	20	AND2		0	4	0	6	:2148
-	4	A	03	OR2		0	4	0	1	:2167
-	5	A	03	OR2		0	4	0	1	:2174
-	4	A	14	OR2		0	4	0	3	:2249
-	2	A	14	AND2		0	3	0	4	:2251
-	3	A	04	OR2		0	3	0	1	:2265
-	1	A	04	OR2		0	4	0	1	:2267
-	7	A	14	AND2		0	3	0	6	:2349
-	3	A	05	AND2		0	2	0	2	:2356
-	7	A	05	OR2		0	4	0	1	:2371
-	2	A	19	OR2		1	2	0	19	:2459
-	2	B	12	OR2	s	1	3	0	1	~2463~1
-	2	B	17	OR2	s	1	3	0	1	~2465~1
-	5	B	16	OR2	s	0	4	0	5	~2467~1
-	3	B	17	OR2	s	0	2	0	4	~2475~1
-	5	B	02	OR2	s	0	3	0	3	~2491~1
-	7	A	06	OR2	s	0	4	0	3	~2491~2
-	8	A	06	OR2	s	0	3	0	3	~2491~3
-	5	A	21	OR2	s	0	2	0	2	~2491~4
-	4	B	04	OR2	s	0	3	0	2	~2491~5
-	2	B	16	OR2	s	0	4	0	2	~2491~6
-	6	A	06	OR2	s	0	4	0	1	~2491~7
-	1	B	16	OR2	s	0	4	0	8	~2491~8
-	4	B	10	OR2	s	1	3	0	1	~2493~1
-	2	B	05	OR2	s	0	3	0	5	~2493~2
-	5	B	10	OR2	s	0	3	0	1	~2495~1
-	6	B	10	OR2	s	1	2	0	1	~2495~2
-	7	B	10	OR2	s	0	4	0	1	~2497~1
-	6	B	08	OR2	s	0	4	0	2	~2499~1
-	4	B	16	OR2	s	0	3	0	2	~2499~2
-	8	B	16	OR2	s	0	3	0	5	~2499~3
-	4	B	15	OR2	s	1	3	0	1	~2499~4
-	5	B	14	OR2	s	1	2	0	1	~2503~1
-	7	B	14	OR2	s	0	4	0	1	~2503~2
-	4	B	11	OR2	s	0	4	0	1	~2505~1
-	6	B	11	OR2	s	1	3	0	1	~2507~1
-	6	B	16	OR2	s	0	3	0	2	~2509~1
-	3	B	16	OR2	s	0	4	0	6	~2509~2
-	8	B	08	AND2	s	0	2	0	2	~2511~1
-	7	B	08	AND2	s	0	3	0	2	~2511~2
-	5	B	08	OR2	s	1	3	0	1	~2511~3
-	2	B	08	OR2	s	0	3	0	1	~2513~1
-	4	B	08	OR2	s	1	2	0	1	~2513~2
-	4	B	09	OR2	s	0	4	0	1	~2517~1
-	3	B	18	OR2	s	1	3	0	1	~2519~1
-	1	A	06	OR2	s	0	4	0	2	~2521~1
-	5	B	07	OR2	s	0	3	0	6	~2521~2
-	5	B	09	OR2	s	1	3	0	1	~2523~1
-	5	B	21	OR2	s	1	2	0	1	~2525~1
-	6	A	03	OR2	s	1	3	0	1	~2529~1
-	6	A	19	OR2	s	1	3	0	4	~2533~1
-	2	A	06	OR2	s	0	2	0	1	~2533~2
-	3	A	06	OR2	s	0	4	0	5	~2533~3
-	7	A	03	OR2	s	1	3	0	1	~2533~4
-	3	A	07	OR2	s	0	4	0	1	~2537~1
-	5	A	07	OR2	s	0	2	0	3	~2539~1
-	5	A	05	OR2	s	1	3	0	1	~2543~1
-	6	A	05	OR2	s	1	3	0	1	~2545~1
-	4	A	06	OR2	s	0	2	0	4	~2547~1
-	5	A	06	OR2	s	0	3	0	3	~2553~1
-	2	A	18	AND2		0	2	0	3	:2560
-	3	A	18	AND2		0	3	0	4	:2568
-	1	A	09	AND2		0	3	0	1	:2576
-	3	A	09	AND2		0	4	0	3	:2580
-	2	A	09	AND2		0	3	0	3	:2588
-	1	A	17	AND2		0	3	0	4	:2596
-	2	A	17	AND2		0	3	0	1	:2604
-	5	A	17	AND2		0	4	0	3	:2608
-	1	A	12	AND2		0	3	0	3	:2616
-	3	A	12	AND2		0	3	0	2	:2624

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:	57/168 (33%)	0/16 (0%)	16/16 (100%)	0/16 (0%)
B:	71/168 (42%)	0/16 (0%)	16/16 (100%)	0/16 (0%)

Column FastTrack Interconnect:

Column	FastTrack Interconnect	Input Pins	Output Pins	Bidir Pins
01:	8/16 (50%)	1/4 (25%)	0/4 (0%)	0/4 (0%)
02:	3/16 (18%)	1/4 (25%)	0/4 (0%)	0/4 (0%)
03:	2/16 (12%)	1/4 (25%)	1/4 (25%)	0/4 (0%)
04:	2/16 (12%)	1/4 (25%)	1/4 (25%)	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:	2/16 (12%)	2/4 (50%)	0/4 (0%)	0/4 (0%)
08:	4/16 (25%)	1/4 (25%)	1/4 (25%)	0/4 (0%)
09:	0/16 (0%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
10:	1/16 (6%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
11:	2/16 (12%)	0/4 (0%)	2/4 (50%)	0/4 (0%)
12:	1/16 (6%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
13:	2/16 (12%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
14:	1/16 (6%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
15:	1/16 (6%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
16:	2/16 (12%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
17:	0/16 (0%)	0/4 (0%)	0/4 (0%)	0/4 (0%)
18:	1/16 (6%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
19:	2/16 (12%)	0/4 (0%)	2/4 (50%)	0/4 (0%)
20:	2/16 (12%)	0/4 (0%)	1/4 (25%)	0/4 (0%)
21:	2/16 (12%)	0/4 (0%)	2/4 (50%)	0/4 (0%)

Device-Specific Information:
calendar

f:\max2work\calendar.rpt

** CLOCK SIGNALS **

Type	Fan-out	Name
INPUT	67	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 "calendar.tdf" line 48, column 9
-- Equation name is 'counter0', location is LC1_A15, type is buried.
counter0 = DFF(_EQ001, GLOBAL(CLOCK1M), VCC, VCC);
_EQ001 = !counter0 & nPRESET;

-- Node name is 'counter1' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter1', location is LC7_A18, type is buried.
counter1 = DFF(_EQ002, GLOBAL(CLOCK1M), VCC, VCC);
_EQ002 = counter0 & !counter1 & _LC2_A19
!counter0 & counter1 & _LC2_A19;

-- Node name is 'counter2' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter2', location is LC6_A18, type is buried.
counter2 = DFF(_EQ003, GLOBAL(CLOCK1M), VCC, VCC);
_EQ003 = counter2 & !_LC2_A18 & _LC2_A19
!counter2 & _LC2_A18 & _LC2_A19;

-- Node name is 'counter3' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter3', location is LC5_A18, type is buried.
counter3 = DFF(_EQ004, GLOBAL(CLOCK1M), VCC, VCC);
_EQ004 = !counter2 & counter3 & _LC2_A19
counter3 & !_LC2_A18 & _LC2_A19
counter2 & !counter3 & _LC2_A18 & _LC2_A19;

-- Node name is 'counter4' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter4', location is LC5_A8, type is buried.
counter4 = DFF(_EQ005, GLOBAL(CLOCK1M), VCC, VCC);
_EQ005 = counter4 & _LC2_A19 & !_LC3_A18
!counter4 & _LC2_A19 & _LC3_A18;

-- Node name is 'counter5' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter5', location is LC8_A9, type is buried.
counter5 = DFF(_EQ006, GLOBAL(CLOCK1M), VCC, VCC);
_EQ006 = !counter4 & counter5 & _LC2_A19
counter5 & _LC2_A19 & !_LC3_A18
counter4 & !counter5 & _LC2_A19 & _LC3_A18;

-- Node name is 'counter6' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter6', location is LC7_A9, type is buried.
counter6 = DFF(_EQ007, GLOBAL(CLOCK1M), VCC, VCC);
_EQ007 = counter6 & !_LC1_A9 & _LC2_A19
!counter6 & _LC1_A9 & _LC2_A19;

-- Node name is 'counter7' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter7', location is LC6_A9, type is buried.
counter7 = DFF(_EQ008, GLOBAL(CLOCK1M), VCC, VCC);
_EQ008 = counter7 & _LC2_A19 & !_LC3_A9
!counter7 & _LC2_A19 & _LC3_A9;

-- Node name is 'counter8' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter8', location is LC4_A9, type is buried.
counter8 = DFF(_EQ009, GLOBAL(CLOCK1M), VCC, VCC);
_EQ009 = !counter7 & counter8 & _LC2_A19
counter8 & _LC2_A19 & !_LC3_A9

```
# counter7 & !counter8 & _LC2_A19 & _LC3_A9;
```

```
-- Node name is 'counter9' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter9', location is LC3_A15, type is buried.
counter9 = DFF( _EQ010, GLOBAL( CLOCK1M), VCC, VCC);
_EQ010 = counter9 & !_LC2_A9 & _LC2_A19
# !counter9 & _LC2_A9 & _LC2_A19;
```

```
-- Node name is 'counter10' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter10', location is LC7_A17, type is buried.
counter10 = DFF( _EQ011, GLOBAL( CLOCK1M), VCC, VCC);
_EQ011 = !counter9 & counter10 & _LC2_A19
# counter10 & !_LC2_A9 & _LC2_A19
# counter9 & !counter10 & _LC2_A9 & _LC2_A19;
```

```
-- Node name is 'counter11' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter11', location is LC6_A17, type is buried.
counter11 = DFF( _EQ012, GLOBAL( CLOCK1M), VCC, VCC);
_EQ012 = counter11 & !_LC1_A17 & _LC2_A19
# !counter11 & _LC1_A17 & _LC2_A19;
```

```
-- Node name is 'counter12' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter12', location is LC3_A17, type is buried.
counter12 = DFF( _EQ013, GLOBAL( CLOCK1M), VCC, VCC);
_EQ013 = !counter11 & counter12 & _LC2_A19
# counter12 & !_LC1_A17 & _LC2_A19
# counter11 & !counter12 & _LC1_A17 & _LC2_A19;
```

```
-- Node name is 'counter13' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter13', location is LC4_A17, type is buried.
counter13 = DFF( _EQ014, GLOBAL( CLOCK1M), VCC, VCC);
EQ014 = counter13 & !_LC2_A17 & _LC2_A19
# !counter13 & _LC2_A17 & _LC2_A19;
```

```
-- Node name is 'counter14' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter14', location is LC8_A12, type is buried.
counter14 = DFF( _EQ015, GLOBAL( CLOCK1M), VCC, VCC);
EQ015 = counter14 & _LC2_A19 & !_LC5_A17
# !counter14 & _LC2_A19 & _LC5_A17;
```

```
-- Node name is 'counter15' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter15', location is LC7_A12, type is buried.
counter15 = DFF( _EQ016, GLOBAL( CLOCK1M), VCC, VCC);
EQ016 = !counter14 & counter15 & _LC2_A19
# counter15 & _LC2_A19 & !_LC5_A17
# counter14 & !counter15 & _LC2_A19 & _LC5_A17;
```

```
-- Node name is 'counter16' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter16', location is LC6_A12, type is buried.
counter16 = DFF( _EQ017, GLOBAL( CLOCK1M), VCC, VCC);
_EQ017 = counter16 & !_LC1_A12 & _LC2_A19
# !counter16 & _LC1_A12 & _LC2_A19;
```

```
-- Node name is 'counter17' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter17', location is LC5_A12, type is buried.
counter17 = DFF( _EQ018, GLOBAL( CLOCK1M), VCC, VCC);
_EQ018 = !counter16 & counter17 & _LC2_A19
# counter17 & !_LC1_A12 & _LC2_A19
# counter16 & !counter17 & _LC1_A12 & _LC2_A19;
```

```
-- Node name is 'counter18' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter18', location is LC5_A15, type is buried.
counter18 = DFF( _EQ019, GLOBAL( CLOCK1M), VCC, VCC);
_EQ019 = counter18 & _LC2_A19 & !_LC3_A12
# !counter18 & _LC2_A19 & _LC3_A12;
```

```
-- Node name is 'counter19' from file "calendar.tdf" line 48, column 9
-- Equation name is 'counter19', location is LC3_A19, type is buried.
counter19 = DFF( _EQ020, GLOBAL( CLOCK1M), VCC, VCC);
_EQ020 = !counter18 & counter19 & _LC2_A19
# counter19 & _LC2_A19 & !_LC3_A12
# counter18 & !counter19 & _LC2_A19 & _LC3_A12;
```

```
-- Node name is 'DAY0' from file "calendar.tdf" line 43, column 5
```

```

-- Equation name is 'DAY0', type is output
DAY0      =  _LC6_B14;

-- Node name is 'DAY1' from file "calendar.tdf" line 43, column 5
-- Equation name is 'DAY1', type is output
DAY1      =  _LC1_B11;

-- Node name is 'DAY2' from file "calendar.tdf" line 43, column 5
-- Equation name is 'DAY2', type is output
DAY2      =  _LC5_B11;

-- Node name is 'DAY3' from file "calendar.tdf" line 43, column 5
-- Equation name is 'DAY3', type is output
DAY3      =  _LC2_B11;

-- Node name is 'DAY4' from file "calendar.tdf" line 43, column 5
-- Equation name is 'DAY4', type is output
DAY4      =  _LC1_B8;

-- Node name is 'DAY5' from file "calendar.tdf" line 43, column 5
-- Equation name is 'DAY5', type is output
DAY5      =  _LC3_B8;

-- Node name is 'HOUR0' from file "calendar.tdf" line 44, column 6
-- Equation name is 'HOUR0', type is output
HOUR0     =  _LC6_B9;

-- Node name is 'HOUR1' from file "calendar.tdf" line 44, column 6
-- Equation name is 'HOUR1', type is output
HOUR1     =  _LC3_B9;

-- Node name is 'HOUR2' from file "calendar.tdf" line 44, column 6
-- Equation name is 'HOUR2', type is output
HOUR2     =  _LC5_B18;

-- Node name is 'HOUR3' from file "calendar.tdf" line 44, column 6
-- Equation name is 'HOUR3', type is output
HOUR3     =  _LC1_B18;

-- Node name is 'HOUR4' from file "calendar.tdf" line 44, column 6
-- Equation name is 'HOUR4', type is output
HOUR4     =  _LC1_B9;

-- Node name is 'HOUR5' from file "calendar.tdf" line 44, column 6
-- Equation name is 'HOUR5', type is output
HOUR5     =  _LC3_B21;

-- Node name is 'isLeapYear' from file "calendar.tdf" line 142, column 13
-- Equation name is 'isLeapYear', location is LC5_B6, type is buried.
!isLeapYear = isLeapYear~NOT;
isLeapYear~NOT = LCELL( _EQ021);
  _EQ021 = ! _LC2_B6 &  _LC6_A1
          # ! _LC2_B6 &  _LC5_A13
          #  _LC3_B6 &  _LC6_A1
          #  _LC3_B6 &  _LC5_A13
          #  _LC2_B6 &  _LC3_B6;

-- Node name is 'isLeapYear~1' from file "calendar.tdf" line 142, column 13
-- Equation name is 'isLeapYear~1', location is LC8_A1, type is buried.
-- synthesized logic cell
  _LC8_A1 = LCELL( _EQ022);
  _EQ022 = ! _LC2_A1 &  _LC4_A1
          #  _LC2_A1 & ! _LC4_A1
          #  _LC5_A1 &  _LC7_A1
          #  _LC4_A1 &  _LC5_A1;

-- Node name is 'isLeapYear~2' from file "calendar.tdf" line 142, column 13
-- Equation name is 'isLeapYear~2', location is LC6_A1, type is buried.
-- synthesized logic cell
  _LC6_A1 = LCELL( _EQ023);
  _EQ023 =  _LC8_A1
          #  _LC1_A1 &  _LC1_A21
          #  _LC1_A1 &  _LC3_A1;

```



```

-- Node name is 'isLeapYear~3' from file "calendar.tdf" line 142, column 13
-- Equation name is 'isLeapYear~3', location is LC3_B6, type is buried.
-- synthesized logic cell
_LC3_B6 = LCELL(_EQ024);
_EQ024 = _LC1_B12
      # _LC1_B19;

-- Node name is 'MINUTE0' from file "calendar.tdf" line 45, column 8
-- Equation name is 'MINUTE0', type is output
MINUTE0 = _LC2_A16;

-- Node name is 'MINUTE1' from file "calendar.tdf" line 45, column 8
-- Equation name is 'MINUTE1', type is output
MINUTE1 = _LC3_A3;

-- Node name is 'MINUTE2' from file "calendar.tdf" line 45, column 8
-- Equation name is 'MINUTE2', type is output
MINUTE2 = _LC2_A3;

-- Node name is 'MINUTE3' from file "calendar.tdf" line 45, column 8
-- Equation name is 'MINUTE3', type is output
MINUTE3 = _LC1_A3;

-- Node name is 'MINUTE4' from file "calendar.tdf" line 45, column 8
-- Equation name is 'MINUTE4', type is output
MINUTE4 = _LC6_A7;

-- Node name is 'MINUTE5' from file "calendar.tdf" line 45, column 8
-- Equation name is 'MINUTE5', type is output
MINUTE5 = _LC4_A7;

-- Node name is 'MINUTE6' from file "calendar.tdf" line 45, column 8
-- Equation name is 'MINUTE6', type is output
MINUTE6 = _LC1_A7;

-- Node name is 'MONTH0' from file "calendar.tdf" line 42, column 7
-- Equation name is 'MONTH0', type is output
MONTH0 = _LC1_B10;

-- Node name is 'MONTH1' from file "calendar.tdf" line 42, column 7
-- Equation name is 'MONTH1', type is output
MONTH1 = _LC3_B10;

-- Node name is 'MONTH2' from file "calendar.tdf" line 42, column 7
-- Equation name is 'MONTH2', type is output
MONTH2 = _LC2_B10;

-- Node name is 'MONTH3' from file "calendar.tdf" line 42, column 7
-- Equation name is 'MONTH3', type is output
MONTH3 = _LC1_B15;

-- Node name is 'MONTH4' from file "calendar.tdf" line 42, column 7
-- Equation name is 'MONTH4', type is output
MONTH4 = _LC1_B20;

-- Node name is 'SECOND0' from file "calendar.tdf" line 46, column 8
-- Equation name is 'SECOND0', type is output
SECOND0 = _LC1_A14;

-- Node name is 'SECOND1' from file "calendar.tdf" line 46, column 8
-- Equation name is 'SECOND1', type is output
SECOND1 = _LC4_A5;

-- Node name is 'SECOND2' from file "calendar.tdf" line 46, column 8
-- Equation name is 'SECOND2', type is output
SECOND2 = _LC2_A5;

-- Node name is 'SECOND3' from file "calendar.tdf" line 46, column 8
-- Equation name is 'SECOND3', type is output
SECOND3 = _LC1_A5;

-- Node name is 'SECOND4' from file "calendar.tdf" line 46, column 8
-- Equation name is 'SECOND4', type is output
SECOND4 = _LC6_A4;

```

```
-- Node name is 'SECOND5' from file "calendar.tdf" line 46, column 8
-- Equation name is 'SECOND5', type is output
SECOND5 = _LC2_A4;

-- Node name is 'SECOND6' from file "calendar.tdf" line 46, column 8
-- Equation name is 'SECOND6', type is output
SECOND6 = _LC5_A4;

-- Node name is 'YEAR0' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR0', type is output
YEAR0 = _LC1_B19;

-- Node name is 'YEAR1' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR1', type is output
YEAR1 = _LC1_B12;

-- Node name is 'YEAR2' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR2', type is output
YEAR2 = _LC4_B17;

-- Node name is 'YEAR3' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR3', type is output
YEAR3 = _LC4_B12;

-- Node name is 'YEAR4' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR4', type is output
YEAR4 = _LC8_B17;

-- Node name is 'YEAR5' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR5', type is output
YEAR5 = _LC1_B17;

-- Node name is 'YEAR6' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR6', type is output
YEAR6 = _LC5_B17;

-- Node name is 'YEAR7' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR7', type is output
YEAR7 = _LC6_B17;

-- Node name is 'YEAR8' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR8', type is output
YEAR8 = _LC5_A13;

-- Node name is 'YEAR9' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR9', type is output
YEAR9 = _LC4_A1;

-- Node name is 'YEAR10' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR10', type is output
YEAR10 = _LC7_A1;

-- Node name is 'YEAR11' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR11', type is output
YEAR11 = _LC5_A1;

-- Node name is 'YEAR12' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR12', type is output
YEAR12 = _LC2_A1;

-- Node name is 'YEAR13' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR13', type is output
YEAR13 = _LC3_A1;

-- Node name is 'YEAR14' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR14', type is output
YEAR14 = _LC1_A21;

-- Node name is 'YEAR15' from file "calendar.tdf" line 41, column 6
-- Equation name is 'YEAR15', type is output
YEAR15 = _LC1_A1;

-- Node name is ':87' from file "calendar.tdf" line 41, column 6
```

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-- Equation name is 'LC1_A1', type is buried
LC1_A1 = DFF( EQ025, GLOBAL( CLOCK1M), VCC, VCC);
EQ025 = LC1_A1 & LC1_B16
# LC7_A10 & VALUE7;

-- Node name is ':88' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC1_A21', type is buried
LC1_A21 = DFF( EQ026, GLOBAL( CLOCK1M), VCC, VCC);
EQ026 = LC1_A21 & LC1_B16
# LC7_A10 & VALUE6;

-- Node name is ':89' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC3_A1', type is buried
LC3_A1 = DFF( EQ027, GLOBAL( CLOCK1M), VCC, VCC);
EQ027 = LC1_B16 & LC3_A1
# LC7_A10 & VALUE5;

-- Node name is ':90' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC2_A1', type is buried
LC2_A1 = DFF( EQ028, GLOBAL( CLOCK1M), VCC, VCC);
EQ028 = LC1_B16 & LC2_A1
# LC7_A10 & VALUE4;

-- Node name is ':91' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC5_A1', type is buried
LC5_A1 = DFF( EQ029, GLOBAL( CLOCK1M), VCC, VCC);
EQ029 = LC1_B16 & LC5_A1
# LC7_A10 & VALUE3;

-- Node name is ':92' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC7_A1', type is buried
LC7_A1 = DFF( EQ030, GLOBAL( CLOCK1M), VCC, VCC);
EQ030 = LC1_B16 & LC7_A1
# LC7_A10 & VALUE2;

-- Node name is ':93' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC4_A1', type is buried
LC4_A1 = DFF( EQ031, GLOBAL( CLOCK1M), VCC, VCC);
EQ031 = LC1_B16 & LC4_A1
# LC7_A10 & VALUE1;

-- Node name is ':94' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC5_A13', type is buried
LC5_A13 = DFF( EQ032, GLOBAL( CLOCK1M), VCC, VCC);
EQ032 = LC1_B16 & LC5_A13
# LC7_A10 & VALUE0;

-- Node name is ':95' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC6_B17', type is buried
LC6_B17 = DFF( EQ033, GLOBAL( CLOCK1M), VCC, VCC);
EQ033 = LC3_B17 & LC6_B17
# LC5_B1 & VALUE7;

-- Node name is ':96' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC5_B17', type is buried
LC5_B17 = DFF( EQ034, GLOBAL( CLOCK1M), VCC, VCC);
EQ034 = LC3_B17 & LC5_B17
# LC5_B1 & VALUE6;

-- Node name is ':97' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC1_B17', type is buried
LC1_B17 = DFF( EQ035, GLOBAL( CLOCK1M), VCC, VCC);
EQ035 = LC1_B17 & LC3_B17
# LC5_B1 & VALUE5;

-- Node name is ':98' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC8_B17', type is buried
LC8_B17 = DFF( EQ036, GLOBAL( CLOCK1M), VCC, VCC);
EQ036 = LC3_B17 & LC8_B17
# LC5_B1 & VALUE4;

-- Node name is ':99' from file "calendar.tdf" line 41, column 6
-- Equation name is 'LC4_B12', type is buried
LC4_B12 = DFF( EQ037, GLOBAL( CLOCK1M), VCC, VCC);

```

```

_EQ037 = _LC4_B12 & _LC5_B16
# _LC7_B12
# _LC3_B12;

-- Node name is ':100' from file "calendar.tdf" line 41, column 6
-- Equation name is '_LC4_B17', type is buried
_LC4_B17 = DFF( _EQ038, GLOBAL( CLOCK1M), VCC, VCC);
_EQ038 = _LC2_B17
# _LC4_B17 & _LC6_B12 & !_LC6_B13
# !_LC4_B17 & _LC6_B12 & _LC6_B13;

-- Node name is ':101' from file "calendar.tdf" line 41, column 6
-- Equation name is '_LC1_B12', type is buried
_LC1_B12 = DFF( EQ039, GLOBAL( CLOCK1M), VCC, VCC);
_EQ039 = _LC2_B12
# _LC1_B12 & !_LC1_B19 & _LC6_B12
# !_LC1_B12 & _LC1_B19 & _LC6_B12;

-- Node name is ':102' from file "calendar.tdf" line 41, column 6
-- Equation name is ' LC1_B19', type is buried
_LC1_B19 = DFF( _EQ040, GLOBAL( CLOCK1M), VCC, VCC);
_EQ040 = _LC1_B19 & _LC5_B16
# _LC1_B3 & !_LC1_B19
# _LC2_B19;

-- Node name is ':103' from file "calendar.tdf" line 42, column 7
-- Equation name is '_LC1_B20', type is buried
_LC1_B20 = DFF( _EQ041, GLOBAL( CLOCK1M), VCC, VCC);
_EQ041 = _LC1_B20 & _LC8_B16
# _LC1_B20 & _LC2_B5
# _LC3_B20;

-- Node name is ':104' from file "calendar.tdf" line 42, column 7
-- Equation name is '_LC1_B15', type is buried
_LC1_B15 = DFF( _EQ042, GLOBAL( CLOCK1M), VCC, VCC);
_EQ042 = _LC1_B15 & _LC8_B16
# _LC4_B15;

-- Node name is ':105' from file "calendar.tdf" line 42, column 7
-- Equation name is '_LC2_B10', type is buried
_LC2_B10 = DFF( _EQ043, GLOBAL( CLOCK1M), VCC, VCC);
_EQ043 = _LC2_B10 & _LC8_B16
# _LC7_B10
# _LC8_B10;

-- Node name is ':106' from file "calendar.tdf" line 42, column 7
-- Equation name is '_LC3_B10', type is buried
_LC3_B10 = DFF( _EQ044, GLOBAL( CLOCK1M), VCC, VCC);
_EQ044 = _LC3_B10 & _LC8_B16
# _LC5_B10
# _LC6_B10;

-- Node name is ':107' from file "calendar.tdf" line 42, column 7
-- Equation name is '_LC1_B10', type is buried
_LC1_B10 = DFF( _EQ045, GLOBAL( CLOCK1M), VCC, VCC);
_EQ045 = _LC1_B10 & _LC8_B16
# _LC4_B10
# !_LC1_B10 & _LC2_B5;

-- Node name is ':108' from file "calendar.tdf" line 43, column 5
-- Equation name is '_LC3_B8', type is buried
_LC3_B8 = DFF( _EQ046, GLOBAL( CLOCK1M), VCC, VCC);
_EQ046 = _LC1_B14 & _LC3_B8
# _LC3_B8 & _LC3_B16
# _LC4_B8;

-- Node name is ':109' from file "calendar.tdf" line 43, column 5
-- Equation name is '_LC1_B8', type is buried
_LC1_B8 = DFF( _EQ047, GLOBAL( CLOCK1M), VCC, VCC);
_EQ047 = _LC1_B8 & _LC1_B14
# _LC1_B8 & _LC3_B16
# _LC5_B8;

-- Node name is ':110' from file "calendar.tdf" line 43, column 5

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```

-- Equation name is '_LC2_B11', type is buried
_LC2_B11 = DFF( _EQ048, GLOBAL( CLOCK1M), VCC, VCC);
_EQ048 = _LC3_B11
# _LC8_B11
# _LC2_B11 & _LC3_B16;

-- Node name is ':111' from file "calendar.tdf" line 43, column 5
-- Equation name is '_LC5_B11', type is buried
_LC5_B11 = DFF( _EQ049, GLOBAL( CLOCK1M), VCC, VCC);
_EQ049 = _LC6_B11
# _LC1_B14 & _LC5_B11 & !_LC7_B11
# _LC1_B14 & !_LC5_B11 & _LC7_B11;

-- Node name is ':112' from file "calendar.tdf" line 43, column 5
-- Equation name is '_LC1_B11', type is buried
_LC1_B11 = DFF( _EQ050, GLOBAL( CLOCK1M), VCC, VCC);
_EQ050 = _LC4_B11
# _LC3_B13 & VALUE1;

-- Node name is ':113' from file "calendar.tdf" line 43, column 5
-- Equation name is '_LC6_B14', type is buried
_LC6_B14 = DFF( _EQ051, GLOBAL( CLOCK1M), VCC, VCC);
_EQ051 = _LC3_B16 & _LC6_B14
# _LC4_B14
# _LC7_B14;

-- Node name is ':114' from file "calendar.tdf" line 44, column 6
-- Equation name is '_LC3_B21', type is buried
_LC3_B21 = DFF( _EQ052, GLOBAL( CLOCK1M), VCC, VCC);
_EQ052 = _LC1_B21 & _LC3_B21
# _LC3_B21 & _LC5_B7
# _LC5_B21;

-- Node name is ':115' from file "calendar.tdf" line 44, column 6
-- Equation name is '_LC1_B9', type is buried
_LC1_B9 = DFF( _EQ053, GLOBAL( CLOCK1M), VCC, VCC);
_EQ053 = _LC1_B9 & _LC1_B21
# _LC1_B9 & _LC5_B7
# _LC5_B9;

-- Node name is ':116' from file "calendar.tdf" line 44, column 6
-- Equation name is '_LC1_B18', type is buried
_LC1_B18 = DFF( _EQ054, GLOBAL( CLOCK1M), VCC, VCC);
_EQ054 = _LC1_B18 & _LC5_B7
# _LC4_B18
# _LC2_B18;

-- Node name is ':117' from file "calendar.tdf" line 44, column 6
-- Equation name is '_LC5_B18', type is buried
_LC5_B18 = DFF( _EQ055, GLOBAL( CLOCK1M), VCC, VCC);
_EQ055 = _LC1_B21 & !_LC2_B4 & _LC5_B18
# _LC1_B21 & _LC2_B4 & !_LC5_B18
# _LC3_B18;

-- Node name is ':118' from file "calendar.tdf" line 44, column 6
-- Equation name is '_LC3_B9', type is buried
_LC3_B9 = DFF( _EQ056, GLOBAL( CLOCK1M), VCC, VCC);
_EQ056 = _LC4_B9
# _LC2_B2 & VALUE1;

-- Node name is ':119' from file "calendar.tdf" line 44, column 6
-- Equation name is '_LC6_B9', type is buried
_LC6_B9 = DFF( _EQ057, GLOBAL( CLOCK1M), VCC, VCC);
_EQ057 = _LC5_B7 & _LC6_B9
# _LC5_A20 & !_LC6_B9
# _LC7_B9;

-- Node name is ':120' from file "calendar.tdf" line 45, column 8
-- Equation name is '_LC1_A7', type is buried
_LC1_A7 = DFF( _EQ058, GLOBAL( CLOCK1M), VCC, VCC);
_EQ058 = _LC1_A7 & _LC5_A7
# _LC8_A7
# _LC2_A7;

```

```

-- Node name is ':121' from file "calendar.tdf" line 45, column 8
-- Equation name is '_LC4_A7', type is buried
_LC4_A7 = DFF( _EQ059, GLOBAL( CLOCK1M), VCC, VCC);
_EQ059 = _LC3_A7
# _LC1_A11 & VALUE5;

-- Node name is ':122' from file "calendar.tdf" line 45, column 8
-- Equation name is '_LC6_A7', type is buried
_LC6_A7 = DFF( _EQ060, GLOBAL( CLOCK1M), VCC, VCC);
_EQ060 = _LC5_A7 & _LC6_A7
# _LC7_A7
# _LC1_A20 & !_LC6_A7;

-- Node name is ':123' from file "calendar.tdf" line 45, column 8
-- Equation name is '_LC1_A3', type is buried
_LC1_A3 = DFF( _EQ061, GLOBAL( CLOCK1M), VCC, VCC);
_EQ061 = _LC1_A3 & _LC3_A6
# _LC7_A3;

-- Node name is ':124' from file "calendar.tdf" line 45, column 8
-- Equation name is '_LC2_A3', type is buried
_LC2_A3 = DFF( _EQ062, GLOBAL( CLOCK1M), VCC, VCC);
_EQ062 = _LC2_A3 & _LC3_A6
# _LC5_A3
# _LC8_A3;

-- Node name is ':125' from file "calendar.tdf" line 45, column 8
-- Equation name is '_LC3_A3', type is buried
_LC3_A3 = DFF( _EQ063, GLOBAL( CLOCK1M), VCC, VCC);
_EQ063 = !_LC2_A16 & _LC3_A3 & _LC3_A20
# _LC2_A16 & !_LC3_A3 & _LC3_A20
# _LC6_A3;

-- Node name is ':126' from file "calendar.tdf" line 45, column 8
-- Equation name is '_LC2_A16', type is buried
_LC2_A16 = DFF( _EQ064, GLOBAL( CLOCK1M), VCC, VCC);
_EQ064 = _LC2_A16 & _LC3_A6
# !_LC2_A16 & _LC3_A20
# _LC1_A16;

-- Node name is ':127' from file "calendar.tdf" line 46, column 8
-- Equation name is '_LC5_A4', type is buried
_LC5_A4 = DFF( _EQ065, GLOBAL( CLOCK1M), VCC, VCC);
_EQ065 = _LC5_A4 & _LC5_A6
# _LC1_A4
# _LC8_A4;

-- Node name is ':128' from file "calendar.tdf" line 46, column 8
-- Equation name is '_LC2_A4', type is buried
_LC2_A4 = DFF( _EQ066, GLOBAL( CLOCK1M), VCC, VCC);
_EQ066 = _LC2_A4 & _LC5_A6
# _LC3_A4
# _LC7_A4;

-- Node name is ':129' from file "calendar.tdf" line 46, column 8
-- Equation name is '_LC6_A4', type is buried
_LC6_A4 = DFF( _EQ067, GLOBAL( CLOCK1M), VCC, VCC);
_EQ067 = _LC5_A6 & _LC6_A4
# _LC2_A14 & !_LC6_A4
# _LC4_A4;

-- Node name is ':130' from file "calendar.tdf" line 46, column 8
-- Equation name is '_LC1_A5', type is buried
_LC1_A5 = DFF( _EQ068, GLOBAL( CLOCK1M), VCC, VCC);
_EQ068 = _LC1_A5 & _LC4_A6
# _LC8_A5
# _LC7_A5;

-- Node name is ':131' from file "calendar.tdf" line 46, column 8
-- Equation name is '_LC2_A5', type is buried
_LC2_A5 = DFF( _EQ069, GLOBAL( CLOCK1M), VCC, VCC);
_EQ069 = _LC6_A5
# _LC2_A5 & !_LC3_A5 & _LC7_A14
# !_LC2_A5 & _LC3_A5 & _LC7_A14;

```

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-- Node name is ':132' from file "calendar.tdf" line 46, column 8
-- Equation name is '_LC4_A5', type is buried
_LC4_A5 = DFF( _EQ070, GLOBAL( CLOCK1M), VCC, VCC);
_EQ070 = _LC5_A5
# !_LC1_A14 & _LC4_A5 & _LC7_A14
# _LC1_A14 & !_LC4_A5 & _LC7_A14;

-- Node name is ':133' from file "calendar.tdf" line 46, column 8
-- Equation name is '_LC1_A14', type is buried
_LC1_A14 = DFF( _EQ071, GLOBAL( CLOCK1M), VCC, VCC);
_EQ071 = _LC1_A14 & _LC4_A6
# !_LC1_A14 & _LC7_A14
# _LC5_A14;

-- Node name is '~161~1' from file "calendar.tdf" line 86, column 16
-- Equation name is '~161~1', location is LC1_B6, type is buried.
-- synthesized logic cell
_LC1_B6 = LCELL( _EQ072);
_EQ072 = !_LC4_B12 & !_LC4_B17 & !_LC5_B17 & !_LC6_B17;

-- Node name is ':161' from file "calendar.tdf" line 86, column 16
-- Equation name is '_LC2_B6', type is buried
! LC2_B6 = _LC2_B6~NOT;
_LC2_B6~NOT = LCELL( _EQ073);
_EQ073 = _LC1_B6 & !_LC1_B17 & !_LC3_B6 & !_LC8_B17;

-- Node name is ':531' from file "calendar.tdf" line 152, column 3
-- Equation name is '_LC7_A10', type is buried
_LC7_A10 = LCELL( _EQ074);
_EQ074 = !nPRESET & !SELECT0 & !SELECT1 & !SELECT2;

-- Node name is ':585' from file "calendar.tdf" line 160, column 3
-- Equation name is '_LC5_B1', type is buried
_LC5_B1 = LCELL( _EQ075);
_EQ075 = !nPRESET & SELECT0 & !SELECT1 & !SELECT2;

-- Node name is ':586' from file "calendar.tdf" line 161, column 15
-- Equation name is '_LC2_B19', type is buried
_LC2_B19 = LCELL( _EQ076);
_EQ076 = _LC5_B1 & VALUE0;

-- Node name is ':592' from file "calendar.tdf" line 161, column 15
-- Equation name is ' LC7 B12', type is buried
_LC7_B12 = LCELL( _EQ077);
_EQ077 = _LC5_B1 & VALUE3;

-- Node name is ':686' from file "calendar.tdf" line 168, column 3
-- Equation name is '_LC3_B19', type is buried
_LC3_B19 = LCELL( _EQ078);
_EQ078 = !nPRESET & !SELECT0 & SELECT1 & !SELECT2;

-- Node name is ':691' from file "calendar.tdf" line 169, column 16
-- Equation name is '_LC8_B10', type is buried
_LC8_B10 = LCELL( _EQ079);
_EQ079 = _LC3_B19 & VALUE2;

-- Node name is ':695' from file "calendar.tdf" line 169, column 16
-- Equation name is '_LC3_B20', type is buried
_LC3_B20 = LCELL( _EQ080);
_EQ080 = _LC3_B19 & VALUE4;

-- Node name is ':788' from file "calendar.tdf" line 175, column 3
-- Equation name is '_LC3_B13', type is buried
_LC3_B13 = LCELL( _EQ081);
_EQ081 = !nPRESET & SELECT0 & SELECT1 & !SELECT2;

-- Node name is ':795' from file "calendar.tdf" line 176, column 14
-- Equation name is '_LC8_B11', type is buried
_LC8_B11 = LCELL( _EQ082);
_EQ082 = _LC3_B13 & VALUE3;

-- Node name is ':889' from file "calendar.tdf" line 182, column 3
-- Equation name is '_LC2_B2', type is buried

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_LC2_B2 = LCELL( _EQ083);
_EQ083 = !nPRESET & !SELECT0 & !SELECT1 & SELECT2;

-- Node name is ':890' from file "calendar.tdf" line 183, column 15
-- Equation name is '_LC7_B9', type is buried
_LC7_B9 = LCELL( _EQ084);
_EQ084 = _LC2_B2 & VALUE0;

-- Node name is ':896' from file "calendar.tdf" line 183, column 15
-- Equation name is '_LC4_B18', type is buried
_LC4_B18 = LCELL( _EQ085);
_EQ085 = _LC2_B2 & VALUE3;

-- Node name is ':991' from file "calendar.tdf" line 189, column 3
-- Equation name is '_LC1_A11', type is buried
_LC1_A11 = LCELL( _EQ086);
_EQ086 = !nPRESET & SELECT0 & !SELECT1 & SELECT2;

-- Node name is ':992' from file "calendar.tdf" line 190, column 17
-- Equation name is ' LC1 A16', type is buried
_LC1_A16 = LCELL( _EQ087);
_EQ087 = _LC1_A11 & VALUE0;

-- Node name is ':996' from file "calendar.tdf" line 190, column 17
-- Equation name is '_LC8_A3', type is buried
_LC8_A3 = LCELL( _EQ088);
_EQ088 = _LC1_A11 & VALUE2;

-- Node name is ':1000' from file "calendar.tdf" line 190, column 17
-- Equation name is '_LC7_A7', type is buried
_LC7_A7 = LCELL( _EQ089);
_EQ089 = _LC1_A11 & VALUE4;

-- Node name is ':1004' from file "calendar.tdf" line 190, column 17
-- Equation name is '_LC8_A7', type is buried
_LC8_A7 = LCELL( _EQ090);
_EQ090 = _LC1_A11 & VALUE6;

-- Node name is ':1093' from file "calendar.tdf" line 196, column 3
-- Equation name is '_LC3_A2', type is buried
_LC3_A2 = LCELL( _EQ091);
_EQ091 = !nPRESET & !SELECT0 & SELECT1 & SELECT2;

-- Node name is ':1094' from file "calendar.tdf" line 197, column 17
-- Equation name is '_LC5_A14', type is buried
_LC5_A14 = LCELL( _EQ092);
_EQ092 = _LC3_A2 & VALUE0;

-- Node name is ':1100' from file "calendar.tdf" line 197, column 17
-- Equation name is '_LC8_A5', type is buried
_LC8_A5 = LCELL( _EQ093);
_EQ093 = _LC3_A2 & VALUE3;

-- Node name is ':1102' from file "calendar.tdf" line 197, column 17
-- Equation name is '_LC4_A4', type is buried
_LC4_A4 = LCELL( _EQ094);
_EQ094 = _LC3_A2 & VALUE4;

-- Node name is ':1104' from file "calendar.tdf" line 197, column 17
-- Equation name is '_LC7_A4', type is buried
_LC7_A4 = LCELL( _EQ095);
_EQ095 = _LC3_A2 & VALUE5;

-- Node name is ':1106' from file "calendar.tdf" line 197, column 17
-- Equation name is '_LC8_A4', type is buried
_LC8_A4 = LCELL( _EQ096);
_EQ096 = _LC3_A2 & VALUE6;

-- Node name is '~1189~1' from file "calendar.tdf" line 203, column 3
-- Equation name is '~1189~1', location is LC1_A19, type is buried.
-- synthesized logic cell
_LC1_A19 = LCELL( _EQ097);
_EQ097 = SELECT0 & SELECT1 & SELECT2;

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-- Node name is '~1303~1' from file "calendar.tdf" line 211, column 18
-- Equation name is '~1303~1', location is LC2_A12, type is buried.
-- synthesized logic cell
_LC2_A12 = LCELL( _EQ098);
  _EQ098 = counter16
          # counter15
          # counter14
          # counter13;

-- Node name is '~1303~2' from file "calendar.tdf" line 211, column 18
-- Equation name is '~1303~2', location is LC4_A12, type is buried.
-- synthesized logic cell
_LC4_A12 = LCELL( _EQ099);
  EQ099 = LC2 A12
          # !counter0
          # counter17
          # counter18;

-- Node name is '~1303~3' from file "calendar.tdf" line 211, column 18
-- Equation name is '~1303~3', location is LC4_A18, type is buried.
-- synthesized logic cell
_LC4_A18 = LCELL( _EQ100);
  _EQ100 = counter4
          # counter3
          # counter2
          # counter1;

-- Node name is '~1303~4' from file "calendar.tdf" line 211, column 18
-- Equation name is '~1303~4', location is LC5_A9, type is buried.
-- synthesized logic cell
_LC5_A9 = LCELL( _EQ101);
  EQ101 = counter8
          # counter7
          # counter6
          # counter5;

-- Node name is '~1303~5' from file "calendar.tdf" line 211, column 18
-- Equation name is '~1303~5', location is LC8_A17, type is buried.
-- synthesized logic cell
_LC8_A17 = LCELL( _EQ102);
  _EQ102 = counter12
          # counter11
          # counter10
          # counter9;

-- Node name is '~1303~6' from file "calendar.tdf" line 211, column 18
-- Equation name is '~1303~6', location is LC1_A18, type is buried.
-- synthesized logic cell
_LC1_A18 = LCELL( _EQ103);
  _EQ103 = _LC4_A12
          # _LC4_A18
          # _LC5_A9
          # _LC8_A17;

-- Node name is ':1305' from file "calendar.tdf" line 211, column 1
-- Equation name is '_LC8_A19', type is buried
_LC8_A19 = LCELL( _EQ104);
  _EQ104 = !counter19 & !_LC1_A18 & nPRESET;

-- Node name is ':1315' from file "calendar.tdf" line 213, column 15
-- Equation name is '_LC3_A14', type is buried
_LC3_A14 = LCELL( _EQ105);
  _EQ105 = !_LC6_A4
          # _LC4_A14
          # !_LC5_A4
          # _LC2_A4;

-- Node name is ':1327' from file "calendar.tdf" line 215, column 16
-- Equation name is '_LC4_A20', type is buried
_LC4_A20 = LCELL( _EQ106);
  _EQ106 = !_LC1_A7
          # _LC2_A20
          # _LC4_A7
          # !_LC6_A7;

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-- Node name is ':1329' from file "calendar.tdf" line 215, column 3
-- Equation name is '_LC5_A20', type is buried
_LC5_A20 = LCELL( _EQ107);
_EQ107 = !_LC3_A14 & !_LC4_A20 & _LC8_A19;

-- Node name is '~1337~1' from file "calendar.tdf" line 217, column 15
-- Equation name is '~1337~1', location is LC6_B21, type is buried.
-- synthesized logic cell
!_LC6_B21 = _LC6_B21~NOT;
_LC6_B21~NOT = LCELL( _EQ108);
_EQ108 = _LC5_B18
# _LC1_B9
# !_LC3_B21
# _LC1_B18;

-- Node name is '~1337~2' from file "calendar.tdf" line 217, column 15
-- Equation name is '~1337~2', location is LC7_B21, type is buried.
-- synthesized logic cell
LC7_B21 = LCELL( EQ109);
_EQ109 = !_LC1_B9 & !_LC1_B18 & _LC3_B21;

-- Node name is ':1339' from file "calendar.tdf" line 217, column 4
-- Equation name is '_LC2_B21', type is buried
_LC2_B21 = LCELL( _EQ110);
_EQ110 = _LC2_B4 & _LC5_A20 & !_LC5_B18 & _LC7_B21;

-- Node name is ':1344' from file "calendar.tdf" line 219, column 17
-- Equation name is '_LC3_B15', type is buried
!_LC3_B15 = _LC3_B15~NOT;
_LC3_B15~NOT = LCELL( _EQ111);
_EQ111 = !_LC1_B15 & !_LC1_B20 & _LC6_B15;

-- Node name is '~1367~1' from file "calendar.tdf" line 220, column 46
-- Equation name is '~1367~1', location is LC2_B20, type is buried.
-- synthesized logic cell
_LC2_B20 = LCELL( _EQ112);
_EQ112 = !_LC1_B11 & !_LC5_B11;

-- Node name is '~1367~2' from file "calendar.tdf" line 220, column 46
-- Equation name is '~1367~2', location is LC4_B3, type is buried.
-- synthesized logic cell
_LC4_B3 = LCELL( _EQ113);
_EQ113 = !_LC1_B11 & _LC2_B11 & !_LC5_B11;

-- Node name is '~1368~1' from file "calendar.tdf" line 220, column 6
-- Equation name is '~1368~1', location is LC6_B6, type is buried.
-- synthesized logic cell
_LC6_B6 = LCELL( _EQ114);
_EQ114 = !_LC1_B8 & _LC3_B8 & !_LC3_B15 & _LC4_B3;

-- Node name is ':1368' from file "calendar.tdf" line 220, column 6
-- Equation name is '_LC4_B6', type is buried
_LC4_B6 = LCELL( _EQ115);
_EQ115 = isLeapYear & _LC2_B21 & _LC6_B6 & _LC6_B14
# !isLeapYear & _LC2_B21 & _LC6_B6 & !_LC6_B14;

-- Node name is '~1481~1' from file "calendar.tdf" line 227, column 77
-- Equation name is '~1481~1', location is LC6_B15, type is buried.
-- synthesized logic cell
_LC6_B15 = LCELL( _EQ116);
_EQ116 = !_LC1_B10 & !_LC2_B10 & _LC3_B10;

-- Node name is '~1481~2' from file "calendar.tdf" line 227, column 77
-- Equation name is '~1481~2', location is LC8_B15, type is buried.
-- synthesized logic cell
_LC8_B15 = LCELL( _EQ117);
_EQ117 = !_LC1_B10 & _LC1_B15 & !_LC1_B20 & !_LC2_B10
# _LC1_B10 & !_LC1_B15 & !_LC1_B20;

-- Node name is '~1481~3' from file "calendar.tdf" line 227, column 77
-- Equation name is '~1481~3', location is LC5_B15, type is buried.
-- synthesized logic cell
_LC5_B15 = LCELL( _EQ118);

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_EQ118 = !_LC1_B15 & _LC1_B20 & _LC6_B15;

-- Node name is ':1481' from file "calendar.tdf" line 227, column 77
-- Equation name is '_LC7_B15', type is buried
_LC7_B15 = LCELL( _EQ119);
_EQ119 = _LC8_B15
# _LC5_B15;

-- Node name is ':1482' from file "calendar.tdf" line 226, column 5
-- Equation name is '_LC8_B14', type is buried
_LC8_B14 = LCELL( _EQ120);
_EQ120 = _LC2_B21 & _LC3_B15 & _LC7_B15;

-- Node name is ':1492' from file "calendar.tdf" line 229, column 6
-- Equation name is '_LC4_B14', type is buried
_LC4_B14 = LCELL( _EQ121);
_EQ121 = _LC6_B14 & _LC6_B20 & _LC8_B14;

-- Node name is ':1501' from file "calendar.tdf" line 231, column 7
-- Equation name is ' LC1 B3', type is buried
_LC1_B3 = LCELL( _EQ122);
_EQ122 = _LC4_B14 & _LC5_B15;

-- Node name is '~1507~1' from file "calendar.tdf" line 233, column 23
-- Equation name is '~1507~1', location is LC5_B12, type is buried.
-- synthesized logic cell
_LC5_B12 = LCELL( _EQ123);
_EQ123 = _LC4_B17
# !_LC4_B12
# _LC1_B12;

-- Node name is ':1534' from file "calendar.tdf" line 233, column 8
-- Equation name is '_LC6_B12', type is buried
_LC6_B12 = LCELL( _EQ124);
_EQ124 = _LC4_B14 & _LC5_B12 & _LC5_B15
# !_LC1_B19 & _LC4_B14 & _LC5_B15;

-- Node name is ':1565' from file "calendar.tdf" line 246, column 32
-- Equation name is '_LC6_B13', type is buried
_LC6_B13 = LCELL( _EQ125);
_EQ125 = _LC1_B12 & _LC1_B19;

-- Node name is ':1580' from file "calendar.tdf" line 246, column 20
-- Equation name is ' LC3 B12', type is buried
_LC3_B12 = LCELL( _EQ126);
_EQ126 = _LC4_B12 & !_LC4_B17 & _LC6_B12
# _LC4_B12 & _LC6_B12 & !_LC6_B13
# !_LC4_B12 & _LC4_B17 & _LC6_B12 & _LC6_B13;

-- Node name is ':1701' from file "calendar.tdf" line 253, column 6
-- Equation name is ' LC1 B14', type is buried
_LC1_B14 = LCELL( _EQ127);
_EQ127 = !_LC6_B14 & _LC8_B14
# !_LC4_B3 & !_LC6_B20 & _LC8_B14;

-- Node name is ':1708' from file "calendar.tdf" line 259, column 28
-- Equation name is '_LC7_B11', type is buried
_LC7_B11 = LCELL( _EQ128);
_EQ128 = _LC1_B11 & _LC6_B14;

-- Node name is ':1723' from file "calendar.tdf" line 259, column 17
-- Equation name is '_LC3_B11', type is buried
_LC3_B11 = LCELL( _EQ129);
_EQ129 = _LC1_B14 & _LC2_B11 & !_LC5_B11
# _LC1_B14 & _LC2_B11 & !_LC7_B11
# _LC1_B14 & !_LC2_B11 & _LC5_B11 & _LC7_B11;

-- Node name is '~1781~1' from file "calendar.tdf" line 265, column 6
-- Equation name is '~1781~1', location is LC6_B20, type is buried.
-- synthesized logic cell
_LC6_B20 = LCELL( _EQ130);
_EQ130 = _LC1_B8 & !_LC2_B11 & _LC2_B20 & _LC3_B8;

-- Node name is '~1781~2' from file "calendar.tdf" line 265, column 6

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-- Equation name is '~1781~2', location is LC2_B14, type is buried.
-- synthesized logic cell
_LC2_B14 = LCELL( _EQ131);
_EQ131 = !_LC6_B14 & _LC6_B20;

-- Node name is ':1781' from file "calendar.tdf" line 265, column 6
-- Equation name is '_LC3_B14', type is buried
_LC3_B14 = LCELL( _EQ132);
_EQ132 = _LC2_B14 & _LC2_B21 & _LC3_B15 & !_LC7_B15;

-- Node name is ':1797' from file "calendar.tdf" line 268, column 32
-- Equation name is '_LC2_B15', type is buried
_LC2_B15 = LCELL( _EQ133);
EQ133 = LC1 B15 & ! LC3 B10
# !_LC1_B10 & _LC1_B15
# _LC1_B15 & !_LC2_B10
# _LC1_B10 & !_LC1_B15 & _LC2_B10 & _LC3_B10;

-- Node name is ':1907' from file "calendar.tdf" line 277, column 22
-- Equation name is ' LC5 B5', type is buried
_LC5_B5 = LCELL( _EQ134);
_EQ134 = _LC5_B18
# !_LC1_B18
# _LC3_B9
# !_LC6_B9;

-- Node name is ':1909' from file "calendar.tdf" line 277, column 4
-- Equation name is '_LC2_B9', type is buried
_LC2_B9 = LCELL( _EQ135);
_EQ135 = _LC5_A20 & !_LC5_B5;

-- Node name is ':1919' from file "calendar.tdf" line 279, column 16
-- Equation name is '_LC4_B21', type is buried
_LC4_B21 = LCELL( _EQ136);
_EQ136 = !_LC1_B9 & _LC3_B21 & _LC5_A20 & !_LC5_B5
# _LC1_B9 & !_LC3_B21 & _LC5_A20 & !_LC5_B5;

-- Node name is ':1975' from file "calendar.tdf" line 277, column 4
-- Equation name is '_LC1_B21', type is buried
_LC1_B21 = LCELL( _EQ137);
_EQ137 = !_LC2_B4 & _LC5_A20 & _LC5_B5
# _LC5_A20 & _LC5_B5 & !_LC6_B21;

-- Node name is ':1986' from file "calendar.tdf" line 285, column 28
-- Equation name is '_LC2_B4', type is buried
!_LC2_B4 = _LC2_B4~NOT;
_LC2_B4~NOT = LCELL( _EQ138);
_EQ138 = !_LC3_B9
# !_LC6_B9;

-- Node name is ':2001' from file "calendar.tdf" line 285, column 16
-- Equation name is '_LC2_B18', type is buried
_LC2_B18 = LCELL( _EQ139);
_EQ139 = _LC1_B18 & _LC1_B21 & !_LC5_B18
# _LC1_B18 & _LC1_B21 & !_LC2_B4
# !_LC1_B18 & _LC1_B21 & _LC2_B4 & _LC5_B18;

-- Node name is ':2062' from file "calendar.tdf" line 290, column 23
-- Equation name is ' LC2_A20', type is buried
_LC2_A20 = LCELL( _EQ140);
_EQ140 = !_LC2_A16
# _LC2_A3
# !_LC1_A3
# _LC3_A3;

-- Node name is ':2064' from file "calendar.tdf" line 290, column 3
-- Equation name is ' LC1_A20', type is buried
_LC1_A20 = LCELL( _EQ141);
_EQ141 = !_LC2_A20 & !_LC3_A14 & _LC4_A20 & _LC8_A19;

-- Node name is ':2080' from file "calendar.tdf" line 292, column 17
-- Equation name is '_LC2_A7', type is buried
_LC2_A7 = LCELL( _EQ142);
_EQ142 = _LC1_A7 & _LC1_A20 & !_LC4_A7

```

```
# _LC1_A7 & _LC1_A20 & !_LC6_A7
# !_LC1_A7 & _LC1_A20 & _LC4_A7 & _LC6_A7;
```

```
-- Node name is ':2148' from file "calendar.tdf" line 290, column 3
-- Equation name is '_LC3_A20', type is buried
_LC3_A20 = LCELL( _EQ143);
_EQ143 = _LC2_A20 & !_LC3_A14 & _LC4_A20 & _LC8_A19;
```

```
-- Node name is ':2167' from file "calendar.tdf" line 299, column 31
-- Equation name is '_LC4_A3', type is buried
_LC4_A3 = LCELL( _EQ144);
_EQ144 = _LC1_A3 & !_LC3_A3
# _LC1_A3 & !_LC2_A16
# _LC1_A3 & !_LC2_A3
# !_LC1_A3 & _LC2_A3 & _LC2_A16 & _LC3_A3;
```

```
-- Node name is ':2174' from file "calendar.tdf" line 299, column 17
-- Equation name is '_LC5_A3', type is buried
_LC5_A3 = LCELL( _EQ145);
_EQ145 = _LC2_A3 & !_LC3_A3 & _LC3_A20
# _LC2_A3 & !_LC2_A16 & _LC3_A20
# !_LC2_A3 & _LC2_A16 & _LC3_A3 & _LC3_A20;
```

```
-- Node name is ':2249' from file "calendar.tdf" line 305, column 22
-- Equation name is '_LC4_A14', type is buried
_LC4_A14 = LCELL( _EQ146);
_EQ146 = !_LC1_A14
# _LC2_A5
# !_LC1_A5
# _LC4_A5;
```

```
-- Node name is ':2251' from file "calendar.tdf" line 305, column 2
-- Equation name is '_LC2_A14', type is buried
_LC2_A14 = LCELL( _EQ147);
_EQ147 = _LC3_A14 & !_LC4_A14 & _LC8_A19;
```

```
-- Node name is ':2265' from file "calendar.tdf" line 307, column 16
-- Equation name is '_LC3_A4', type is buried
_LC3_A4 = LCELL( _EQ148);
_EQ148 = _LC2_A4 & _LC2_A14 & !_LC6_A4
# !_LC2_A4 & _LC2_A14 & _LC6_A4;
```

```
-- Node name is ':2267' from file "calendar.tdf" line 307, column 16
-- Equation name is '_LC1_A4', type is buried
_LC1_A4 = LCELL( _EQ149);
_EQ149 = !_LC2_A4 & _LC2_A14 & _LC5_A4
# _LC2_A14 & _LC5_A4 & !_LC6_A4
# _LC2_A4 & _LC2_A14 & !_LC5_A4 & _LC6_A4;
```

```
-- Node name is ':2349' from file "calendar.tdf" line 305, column 2
-- Equation name is '_LC7_A14', type is buried
_LC7_A14 = LCELL( _EQ150);
_EQ150 = _LC3_A14 & _LC4_A14 & _LC8_A19;
```

```
-- Node name is ':2356' from file "calendar.tdf" line 314, column 30
-- Equation name is '_LC3_A5', type is buried
_LC3_A5 = LCELL( _EQ151);
_EQ151 = _LC1_A14 & _LC4_A5;
```

```
-- Node name is ':2371' from file "calendar.tdf" line 314, column 16
-- Equation name is '_LC7_A5', type is buried
_LC7_A5 = LCELL( _EQ152);
_EQ152 = _LC1_A5 & !_LC2_A5 & _LC7_A14
# _LC1_A5 & !_LC3_A5 & _LC7_A14
# !_LC1_A5 & _LC2_A5 & _LC3_A5 & _LC7_A14;
```

```
-- Node name is ':2459' from file "calendar.tdf" line 211, column 1
-- Equation name is '_LC2_A19', type is buried
_LC2_A19 = LCELL( _EQ153);
_EQ153 = counter19 & nPRESET
# _LC1_A18 & nPRESET;
```

```
-- Node name is '~2463~1' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2463~1', location is LC2_B12, type is buried.
```

```

-- synthesized logic cell
_LC2_B12 = LCELL( _EQ154);
_EQ154 = _LC1_B12 & _LC5_B16
# _LC5_B1 & VALUE1;

-- Node name is '~2465~1' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2465~1', location is LC2_B17, type is buried.
-- synthesized logic cell
_LC2_B17 = LCELL( _EQ155);
_EQ155 = _LC4_B17 & _LC5_B16
# _LC5_B1 & VALUE2;

-- Node name is '~2467~1' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2467~1', location is LC5_B16, type is buried.
-- synthesized logic cell
_LC5_B16 = LCELL( _EQ156);
_EQ156 = _LC2_B16
# _LC6_A19
# _LC3_B19
# _LC4_B16;

-- Node name is '~2475~1' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2475~1', location is LC3_B17, type is buried.
-- synthesized logic cell
_LC3_B17 = LCELL( _EQ157);
_EQ157 = _LC6_B12
# _LC5_B16;

-- Node name is '~2491~1' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2491~1', location is LC5_B2, type is buried.
-- synthesized logic cell
_LC5_B2 = LCELL( _EQ158);
_EQ158 = _LC6_A19
# _LC5_B1
# _LC3_B19;

-- Node name is '~2491~2' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2491~2', location is LC7_A6, type is buried.
-- synthesized logic cell
_LC7_A6 = LCELL( _EQ159);
_EQ159 = _LC5_B2
# _LC3_B13
# _LC2_B2
# _LC1_A11;

-- Node name is '~2491~3' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2491~3', location is LC8_A6, type is buried.
-- synthesized logic cell
_LC8_A6 = LCELL( _EQ160);
_EQ160 = _LC2_A14
# _LC7_A14
# _LC3_A2;

-- Node name is '~2491~4' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2491~4', location is LC5_A21, type is buried.
-- synthesized logic cell
_LC5_A21 = LCELL( _EQ161);
_EQ161 = _LC1_A20
# _LC3_A20;

-- Node name is '~2491~5' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2491~5', location is LC4_B4, type is buried.
-- synthesized logic cell
_LC4_B4 = LCELL( _EQ162);
_EQ162 = _LC5_A20 & !_LC5_B5
# _LC1_B21;

-- Node name is '~2491~6' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2491~6', location is LC2_B16, type is buried.
-- synthesized logic cell
_LC2_B16 = LCELL( _EQ163);
_EQ163 = _LC4_B14 & !_LC5_B15
# _LC3_B14
# _LC4_B6;

```

```

-- Node name is '~2491~7' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2491~7', location is LC6_A6, type is buried.
-- synthesized logic cell
_LC6_A6 = LCELL( _EQ164);
  _EQ164 =  _LC5_A21
          #  _LC8_A6
          #  _LC7_A6
          #  _LC6_B8;

-- Node name is '~2491~8' from file "calendar.tdf" line 323, column 9
-- Equation name is '~2491~8', location is LC1_B16, type is buried.
-- synthesized logic cell
LC1 B16 = LCELL( EQ165);
  _EQ165 =  _LC6_A6
          #  _LC4_B4
          #  _LC2_B16
          #  _LC6_B12;

-- Node name is '~2493~1' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2493~1', location is LC4_B10, type is buried.
-- synthesized logic cell
_LC4_B10 = LCELL( _EQ166);
  _EQ166 =  _LC1_B3
          #  _LC3_B19 & VALUE0
          #  _LC4_B6;

-- Node name is '~2493~2' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2493~2', location is LC2_B5, type is buried.
-- synthesized logic cell
_LC2_B5 = LCELL( _EQ167);
  EQ167 =  LC4 B14 & !_LC5_B15
          #  _LC3_B14;

-- Node name is '~2495~1' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2495~1', location is LC5_B10, type is buried.
-- synthesized logic cell
LC5 B10 = LCELL( EQ168);
  _EQ168 = !_LC1_B10 &  _LC2_B5 &  _LC3_B10
          #  _LC1_B10 &  _LC2_B5 & !_LC3_B10;

-- Node name is '~2495~2' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2495~2', location is LC6_B10, type is buried.
-- synthesized logic cell
_LC6_B10 = LCELL( _EQ169);
  _EQ169 =  _LC3_B19 & VALUE1
          #  _LC4_B6;

-- Node name is '~2497~1' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2497~1', location is LC7_B10, type is buried.
-- synthesized logic cell
_LC7_B10 = LCELL( _EQ170);
  _EQ170 =  _LC2_B5 &  _LC2_B10 & !_LC3_B10
          #  !_LC1_B10 &  _LC2_B5 &  _LC2_B10
          #  _LC1_B10 &  _LC2_B5 & !_LC2_B10 &  _LC3_B10;

-- Node name is '~2499~1' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2499~1', location is LC6_B8, type is buried.
-- synthesized logic cell
_LC6_B8 = LCELL( _EQ171);
  _EQ171 =  _LC4_B3 &  _LC6_B14 &  _LC8_B8
          #  _LC1_B14;

-- Node name is '~2499~2' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2499~2', location is LC4_B16, type is buried.
-- synthesized logic cell
_LC4_B16 = LCELL( _EQ172);
  _EQ172 =  _LC6_B8
          #  _LC3_B13
          #  _LC6_B16;

-- Node name is '~2499~3' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2499~3', location is LC8_B16, type is buried.
-- synthesized logic cell

```

```

_LC8_B16 = LCELL( _EQ173);
_EQ173 = _LC4_B16
# _LC6_A19
# _LC5_B1;

-- Node name is '~2499~4' from file "calendar.tdf" line 324, column 10
-- Equation name is '~2499~4', location is LC4_B15, type is buried.
-- synthesized logic cell
_LC4_B15 = LCELL( _EQ174);
_EQ174 = _LC2_B5 & _LC2_B15
# _LC3_B19 & VALUE3;

-- Node name is '~2503~1' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2503~1', location is LC5_B14, type is buried.
-- synthesized logic cell
_LC5_B14 = LCELL( _EQ175);
_EQ175 = _LC4_B6
# _LC3_B13 & VALUE0;

-- Node name is '~2503~2' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2503~2', location is LC7_B14, type is buried.
-- synthesized logic cell
_LC7_B14 = LCELL( _EQ176);
_EQ176 = _LC3_B14
# !_LC6_B14 & _LC8_B14
# _LC5_B14;

-- Node name is '~2505~1' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2505~1', location is LC4_B11, type is buried.
-- synthesized logic cell
_LC4_B11 = LCELL( _EQ177);
_EQ177 = _LC1_B11 & _LC3_B16
# _LC1_B11 & _LC1_B14 & !_LC6_B14
# !_LC1_B11 & _LC1_B14 & _LC6_B14;

-- Node name is '~2507~1' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2507~1', location is LC6_B11, type is buried.
-- synthesized logic cell
_LC6_B11 = LCELL( _EQ178);
_EQ178 = _LC3_B16 & _LC5_B11
# _LC3_B13 & VALUE2;

-- Node name is '~2509~1' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2509~1', location is LC6_B16, type is buried.
-- synthesized logic cell
_LC6_B16 = LCELL( _EQ179);
_EQ179 = _LC4_B4
# _LC1_A6
# _LC2_B2;

-- Node name is '~2509~2' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2509~2', location is LC3_B16, type is buried.
-- synthesized logic cell
_LC3_B16 = LCELL( _EQ180);
_EQ180 = _LC6_B16
# _LC6_A19
# _LC5_B1
# _LC3_B19;

-- Node name is '~2511~1' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2511~1', location is LC8_B8, type is buried.
-- synthesized logic cell
_LC8_B8 = LCELL( _EQ181);
_EQ181 = _LC2_B21 & _LC3_B15;

-- Node name is '~2511~2' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2511~2', location is LC7_B8, type is buried.
-- synthesized logic cell
_LC7_B8 = LCELL( _EQ182);
_EQ182 = _LC4_B3 & _LC6_B14 & _LC8_B8;

-- Node name is '~2511~3' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2511~3', location is LC5_B8, type is buried.
-- synthesized logic cell

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_LC5_B8 = LCELL( _EQ183);
_EQ183 = !_LC1_B8 & _LC7_B8
# _LC3_B13 & VALUE4;

-- Node name is '~2513~1' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2513~1', location is LC2_B8, type is buried.
-- synthesized logic cell
_LC2_B8 = LCELL( _EQ184);
_EQ184 = !_LC1_B8 & _LC3_B8 & _LC7_B8
# _LC1_B8 & !_LC3_B8 & _LC7_B8;

-- Node name is '~2513~2' from file "calendar.tdf" line 325, column 8
-- Equation name is '~2513~2', location is LC4_B8, type is buried.
-- synthesized logic cell
_LC4_B8 = LCELL( _EQ185);
_EQ185 = _LC2_B8
# _LC3_B13 & VALUE5;

-- Node name is '~2517~1' from file "calendar.tdf" line 326, column 9
-- Equation name is '~2517~1', location is LC4_B9, type is buried.
-- synthesized logic cell
_LC4_B9 = LCELL( _EQ186);
_EQ186 = _LC1_B21 & _LC3_B9 & !_LC6_B9
# _LC1_B21 & !_LC3_B9 & _LC6_B9
# _LC3_B9 & _LC5_B7;

-- Node name is '~2519~1' from file "calendar.tdf" line 326, column 9
-- Equation name is '~2519~1', location is LC3_B18, type is buried.
-- synthesized logic cell
_LC3_B18 = LCELL( _EQ187);
_EQ187 = _LC5_B7 & _LC5_B18
# _LC2_B2 & VALUE2;

-- Node name is '~2521~1' from file "calendar.tdf" line 326, column 9
-- Equation name is '~2521~1', location is LC1_A6, type is buried.
-- synthesized logic cell
_LC1_A6 = LCELL( _EQ188);
_EQ188 = _LC5_A21
# _LC1_A11
# _LC8_A6
# _LC7_A10;

-- Node name is '~2521~2' from file "calendar.tdf" line 326, column 9
-- Equation name is '~2521~2', location is LC5_B7, type is buried.
-- synthesized logic cell
_LC5_B7 = LCELL( _EQ189);
_EQ189 = _LC1_A6
# _LC5_B2
# _LC3_B13;

-- Node name is '~2523~1' from file "calendar.tdf" line 326, column 9
-- Equation name is '~2523~1', location is LC5_B9, type is buried.
-- synthesized logic cell
_LC5_B9 = LCELL( _EQ190);
_EQ190 = !_LC1_B9 & _LC2_B9
# _LC2_B2 & VALUE4;

-- Node name is '~2525~1' from file "calendar.tdf" line 326, column 9
-- Equation name is '~2525~1', location is LC5_B21, type is buried.
-- synthesized logic cell
_LC5_B21 = LCELL( _EQ191);
_EQ191 = _LC4_B21
# _LC2_B2 & VALUE5;

-- Node name is '~2529~1' from file "calendar.tdf" line 327, column 11
-- Equation name is '~2529~1', location is LC6_A3, type is buried.
-- synthesized logic cell
_LC6_A3 = LCELL( _EQ192);
_EQ192 = _LC3_A3 & _LC3_A6
# _LC1_A11 & VALUE1;

-- Node name is '~2533~1' from file "calendar.tdf" line 327, column 11
-- Equation name is '~2533~1', location is LC6_A19, type is buried.
-- synthesized logic cell

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_LC6_A19 = LCELL( _EQ193);
_EQ193 = counter19 & nPRESET
      # _LC1_A18 & nPRESET
      # _LC1_A19 & !nPRESET;

-- Node name is '~2533~2' from file "calendar.tdf" line 327, column 11
-- Equation name is '~2533~2', location is LC2_A6, type is buried.
-- synthesized logic cell
_LC2_A6 = LCELL( _EQ194);
_EQ194 = _LC8_A6
      # _LC7_A10;

-- Node name is '~2533~3' from file "calendar.tdf" line 327, column 11
-- Equation name is '~2533~3', location is LC3_A6, type is buried.
-- synthesized logic cell
_LC3_A6 = LCELL( _EQ195);
_EQ195 = _LC5_B2
      # _LC3_B13
      # _LC2_B2
      # _LC2_A6;

-- Node name is '~2533~4' from file "calendar.tdf" line 327, column 11
-- Equation name is '~2533~4', location is LC7_A3, type is buried.
-- synthesized logic cell
_LC7_A3 = LCELL( _EQ196);
_EQ196 = _LC3_A20 & _LC4_A3
      # _LC1_A11 & VALUE3;

-- Node name is '~2537~1' from file "calendar.tdf" line 327, column 11
-- Equation name is '~2537~1', location is LC3_A7, type is buried.
-- synthesized logic cell
_LC3_A7 = LCELL( _EQ197);
_EQ197 = _LC4_A7 & _LC5_A7
      # _LC1_A20 & !_LC4_A7 & !_LC6_A7
      # _LC1_A20 & !_LC4_A7 & _LC6_A7;

-- Node name is '~2539~1' from file "calendar.tdf" line 327, column 11
-- Equation name is '~2539~1', location is LC5_A7, type is buried.
-- synthesized logic cell
_LC5_A7 = LCELL( _EQ198);
_EQ198 = _LC3_A6
      # _LC3_A20;

-- Node name is '~2543~1' from file "calendar.tdf" line 328, column 11
-- Equation name is '~2543~1', location is LC5_A5, type is buried.
-- synthesized logic cell
_LC5_A5 = LCELL( _EQ199);
_EQ199 = _LC4_A5 & _LC4_A6
      # _LC3_A2 & VALUE1;

-- Node name is '~2545~1' from file "calendar.tdf" line 328, column 11
-- Equation name is '~2545~1', location is LC6_A5, type is buried.
-- synthesized logic cell
_LC6_A5 = LCELL( _EQ200);
_EQ200 = _LC2_A5 & _LC4_A6
      # _LC3_A2 & VALUE2;

-- Node name is '~2547~1' from file "calendar.tdf" line 328, column 11
-- Equation name is '~2547~1', location is LC4_A6, type is buried.
-- synthesized logic cell
_LC4_A6 = LCELL( _EQ201);
_EQ201 = _LC7_A6
      # _LC7_A10;

-- Node name is '~2553~1' from file "calendar.tdf" line 328, column 11
-- Equation name is '~2553~1', location is LC5_A6, type is buried.
-- synthesized logic cell
_LC5_A6 = LCELL( _EQ202);
_EQ202 = _LC7_A6
      # _LC7_A10
      # _LC7_A14;

-- Node name is ':2560' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC2_A18', type is buried

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_LC2_A18 = LCELL( _EQ203);
_EQ203 = counter0 & counter1;

-- Node name is ':2568' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC3_A18', type is buried
_LC3_A18 = LCELL( _EQ204);
_EQ204 = counter2 & counter3 & _LC2_A18;

-- Node name is ':2576' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC1_A9', type is buried
_LC1_A9 = LCELL( _EQ205);
_EQ205 = counter4 & counter5 & _LC3_A18;

-- Node name is ':2580' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC3_A9', type is buried
_LC3_A9 = LCELL( _EQ206);
_EQ206 = counter4 & counter5 & counter6 & _LC3_A18;

-- Node name is ':2588' from file "calendar.tdf" line 329, column 23
-- Equation name is ' LC2 A9', type is buried
_LC2_A9 = LCELL( _EQ207);
_EQ207 = counter7 & counter8 & _LC3_A9;

-- Node name is ':2596' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC1_A17', type is buried
_LC1_A17 = LCELL( _EQ208);
_EQ208 = counter9 & counter10 & _LC2_A9;

-- Node name is ':2604' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC2_A17', type is buried
_LC2_A17 = LCELL( _EQ209);
_EQ209 = counter11 & counter12 & _LC1_A17;

-- Node name is ':2608' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC5_A17', type is buried
_LC5_A17 = LCELL( _EQ210);
_EQ210 = counter11 & counter12 & counter13 & _LC1_A17;

-- Node name is ':2616' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC1_A12', type is buried
_LC1_A12 = LCELL( _EQ211);
_EQ211 = counter14 & counter15 & _LC5_A17;

-- Node name is ':2624' from file "calendar.tdf" line 329, column 23
-- Equation name is '_LC3_A12', type is buried
_LC3_A12 = LCELL( _EQ212);
_EQ212 = counter16 & counter17 & _LC1_A12;

```

** 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	00:00:00
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Total Time	00:00:02

Memory Allocated

Peak memory allocated during compilation = 12,822K