Release 14.7 - xst P.20131013 (nt64)

--> Parameter TMPDIR set to xst/projnav.tmp

Total REAL time to Xst completion: 0.00 secs
Total CPU time to Xst completion: 0.15 secs

--> Parameter xsthdpdir set to xst

Total REAL time to Xst completion: 0.00 secs
Total CPU time to Xst completion: 0.16 secs

--> Reading design: decryption_behav.prj

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===
*   Synthesis Options Summary   *
===
---- Source Parameters
Input File Name   : "decryption_behav.prj"
Ignore Synthesis Constraint File   : NO

---- Target Parameters
Output File Name   : "decryption_behav"
Output Format   : NGC
Target Device   : xc7vx330t-3-ffg1157

---- Source Options
Top Module Name   : decryption_behav
Automatic FSM Extraction   : YES
FSM Encoding Algorithm   : Auto
Safe Implementation   : No
FSM Style   : LUT
RAM Extraction   : Yes
RAM Style   : Auto
ROM Extraction   : Yes
Shift Register Extraction   : YES
ROM Style   : Auto

```
Resource Sharing                    : YES
Asynchronous To Synchronous         : NO
Shift Register Minimum Size         : 2
Use DSP Block                       : Auto
Automatic Register Balancing        : No

---- Target Options
LUT Combining                       : Auto
Reduce Control Sets                 : Auto
Add IO Buffers                      : YES
Global Maximum Fanout               : 100000
Add Generic Clock Buffer(BUFG)      : 32
Register Duplication                : YES
Optimize Instantiated Primitives    : NO
Use Clock Enable                    : Auto
Use Synchronous Set                 : Auto
Use Synchronous Reset               : Auto
Pack IO Registers into IOBs         : Auto
Equivalent register Removal         : YES

---- General Options
Optimization Goal                   : Speed
Optimization Effort                 : 1
Power Reduction                     : NO
Keep Hierarchy                      : No
Netlist Hierarchy                   : As_Optimized
RTL Output                          : Yes
Global Optimization                 : AllClockNets
Read Cores                          : YES
Write Timing Constraints            : NO
Cross Clock Analysis                : NO
Hierarchy Separator                 : /
Bus Delimiter                       : <>
Case Specifier                      : Maintain
Slice Utilization Ratio             : 100
BRAM Utilization Ratio              : 100
DSP48 Utilization Ratio             : 100
Auto BRAM Packing                   : NO
Slice Utilization Ratio Delta       : 5

=========================================================================


=========================================================================
*                           HDL Parsing                                 *
=========================================================================
Parsing VHDL file "E:\uni\term
5\FPGA\project\RSA_virtex_decryption\decryption\decryption_behav.vhd" into library work
Parsing entity <decryption_behav>.
Parsing architecture <Behavioral> of entity <decryption_behav>.

=========================================================================
*                            HDL Elaboration                            *
=========================================================================

Elaborating entity <decryption_behav> (architecture <Behavioral>) from library <work>.

=========================================================================
*                           HDL Synthesis                               *
=========================================================================
```

```
Synthesizing Unit <decryption_behav>.
    Related source file is "E:\uni\term
5\FPGA\project\RSA_virtex_decryption\decryption\decryption_behav.vhd".
WARNING:Xst:647 - Input <encryptdata<31:31>> is never used. This port will be preserved
and left unconnected if it belongs to a top-level block or it belongs to a sub-block and
the hierarchy of this sub-block is preserved.
    Found 32-bit register for signal <cnt>.
    Found 64-bit register for signal <dout>.
    Found 256-bit register for signal <power_result>.
    Found 32-bit adder for signal <cnt[31]_GND_7_o_add_3_OUT> created at line 39.
    Found 16x16-bit multiplier for signal <n0024> created at line 35.
    Found 31x31-bit multiplier for signal <n0025> created at line 38.
    Found 33-bit comparator greater for signal <GND_7_o_cnt[31]_LessThan_2_o> created at
line 37
    Found 33-bit comparator equal for signal <GND_7_o_cnt[31]_equal_5_o> created at line 40
    Summary:
        inferred   2 Multiplier(s).
        inferred   1 Adder/Subtractor(s).
        inferred 352 D-type flip-flop(s).
        inferred   2 Comparator(s).
Unit <decryption_behav> synthesized.

Synthesizing Unit <rem_31u_31u>.
    Related source file is "".
    Found 62-bit adder for signal <n3236> created at line 0.
    Found 62-bit adder for signal <GND_10_o_b[30]_add_1_OUT> created at line 0.
    Found 61-bit adder for signal <n3240> created at line 0.
    Found 61-bit adder for signal <GND_10_o_b[30]_add_3_OUT> created at line 0.
    Found 60-bit adder for signal <n3244> created at line 0.
    Found 60-bit adder for signal <GND_10_o_b[30]_add_5_OUT> created at line 0.
    Found 59-bit adder for signal <n3248> created at line 0.
    Found 59-bit adder for signal <GND_10_o_b[30]_add_7_OUT> created at line 0.
    Found 58-bit adder for signal <n3252> created at line 0.
    Found 58-bit adder for signal <GND_10_o_b[30]_add_9_OUT> created at line 0.
    Found 57-bit adder for signal <n3256> created at line 0.
    Found 57-bit adder for signal <GND_10_o_b[30]_add_11_OUT> created at line 0.
    Found 56-bit adder for signal <n3260> created at line 0.
    Found 56-bit adder for signal <GND_10_o_b[30]_add_13_OUT> created at line 0.
    Found 55-bit adder for signal <n3264> created at line 0.
    Found 55-bit adder for signal <GND_10_o_b[30]_add_15_OUT> created at line 0.
    Found 54-bit adder for signal <n3268> created at line 0.
    Found 54-bit adder for signal <GND_10_o_b[30]_add_17_OUT> created at line 0.
    Found 53-bit adder for signal <n3272> created at line 0.
    Found 53-bit adder for signal <GND_10_o_b[30]_add_19_OUT> created at line 0.
    Found 52-bit adder for signal <n3276> created at line 0.
    Found 52-bit adder for signal <GND_10_o_b[30]_add_21_OUT> created at line 0.
    Found 51-bit adder for signal <n3280> created at line 0.
    Found 51-bit adder for signal <GND_10_o_b[30]_add_23_OUT> created at line 0.
    Found 50-bit adder for signal <n3284> created at line 0.
    Found 50-bit adder for signal <GND_10_o_b[30]_add_25_OUT> created at line 0.
    Found 49-bit adder for signal <n3288> created at line 0.
    Found 49-bit adder for signal <GND_10_o_b[30]_add_27_OUT> created at line 0.
    Found 48-bit adder for signal <n3292> created at line 0.
    Found 48-bit adder for signal <GND_10_o_b[30]_add_29_OUT> created at line 0.
    Found 47-bit adder for signal <n3296> created at line 0.
    Found 47-bit adder for signal <GND_10_o_b[30]_add_31_OUT> created at line 0.
    Found 46-bit adder for signal <n3300> created at line 0.
    Found 46-bit adder for signal <GND_10_o_b[30]_add_33_OUT> created at line 0.
    Found 45-bit adder for signal <n3304> created at line 0.
    Found 45-bit adder for signal <GND_10_o_b[30]_add_35_OUT> created at line 0.
    Found 44-bit adder for signal <n3308> created at line 0.
```

```
Found 44-bit adder for signal <GND_10_o_b[30]_add_37_OUT> created at line 0.
Found 43-bit adder for signal <n3312> created at line 0.
Found 43-bit adder for signal <GND_10_o_b[30]_add_39_OUT> created at line 0.
Found 42-bit adder for signal <n3316> created at line 0.
Found 42-bit adder for signal <GND_10_o_b[30]_add_41_OUT> created at line 0.
Found 41-bit adder for signal <n3320> created at line 0.
Found 41-bit adder for signal <GND_10_o_b[30]_add_43_OUT> created at line 0.
Found 40-bit adder for signal <n3324> created at line 0.
Found 40-bit adder for signal <GND_10_o_b[30]_add_45_OUT> created at line 0.
Found 39-bit adder for signal <n3328> created at line 0.
Found 39-bit adder for signal <GND_10_o_b[30]_add_47_OUT> created at line 0.
Found 38-bit adder for signal <n3332> created at line 0.
Found 38-bit adder for signal <GND_10_o_b[30]_add_49_OUT> created at line 0.
Found 37-bit adder for signal <n3336> created at line 0.
Found 37-bit adder for signal <GND_10_o_b[30]_add_51_OUT> created at line 0.
Found 36-bit adder for signal <n3340> created at line 0.
Found 36-bit adder for signal <GND_10_o_b[30]_add_53_OUT> created at line 0.
Found 35-bit adder for signal <n3344> created at line 0.
Found 35-bit adder for signal <GND_10_o_b[30]_add_55_OUT> created at line 0.
Found 34-bit adder for signal <n3348> created at line 0.
Found 34-bit adder for signal <GND_10_o_b[30]_add_57_OUT> created at line 0.
Found 33-bit adder for signal <n3352> created at line 0.
Found 33-bit adder for signal <GND_10_o_b[30]_add_59_OUT> created at line 0.
Found 32-bit adder for signal <n3356> created at line 0.
Found 32-bit adder for signal <GND_10_o_b[30]_add_61_OUT> created at line 0.
Found 31-bit adder for signal <n3360> created at line 0.
Found 31-bit adder for signal <a[30]_b[30]_add_63_OUT[30:0]> created at line 0.
Found 62-bit comparator lessequal for signal <BUS_0001> created at line 0
Found 61-bit comparator lessequal for signal <BUS_0002> created at line 0
Found 60-bit comparator lessequal for signal <BUS_0003> created at line 0
Found 59-bit comparator lessequal for signal <BUS_0004> created at line 0
Found 58-bit comparator lessequal for signal <BUS_0005> created at line 0
Found 57-bit comparator lessequal for signal <BUS_0006> created at line 0
Found 56-bit comparator lessequal for signal <BUS_0007> created at line 0
Found 55-bit comparator lessequal for signal <BUS_0008> created at line 0
Found 54-bit comparator lessequal for signal <BUS_0009> created at line 0
Found 53-bit comparator lessequal for signal <BUS_0010> created at line 0
Found 52-bit comparator lessequal for signal <BUS_0011> created at line 0
Found 51-bit comparator lessequal for signal <BUS_0012> created at line 0
Found 50-bit comparator lessequal for signal <BUS_0013> created at line 0
Found 49-bit comparator lessequal for signal <BUS_0014> created at line 0
Found 48-bit comparator lessequal for signal <BUS_0015> created at line 0
Found 47-bit comparator lessequal for signal <BUS_0016> created at line 0
Found 46-bit comparator lessequal for signal <BUS_0017> created at line 0
Found 45-bit comparator lessequal for signal <BUS_0018> created at line 0
Found 44-bit comparator lessequal for signal <BUS_0019> created at line 0
Found 43-bit comparator lessequal for signal <BUS_0020> created at line 0
Found 42-bit comparator lessequal for signal <BUS_0021> created at line 0
Found 41-bit comparator lessequal for signal <BUS_0022> created at line 0
Found 40-bit comparator lessequal for signal <BUS_0023> created at line 0
Found 39-bit comparator lessequal for signal <BUS_0024> created at line 0
Found 38-bit comparator lessequal for signal <BUS_0025> created at line 0
Found 37-bit comparator lessequal for signal <BUS_0026> created at line 0
Found 36-bit comparator lessequal for signal <BUS_0027> created at line 0
Found 35-bit comparator lessequal for signal <BUS_0028> created at line 0
Found 34-bit comparator lessequal for signal <BUS_0029> created at line 0
Found 33-bit comparator lessequal for signal <BUS_0030> created at line 0
Found 32-bit comparator lessequal for signal <BUS_0031> created at line 0
Found 31-bit comparator lessequal for signal <BUS_0032> created at line 0
Summary:
    inferred  64 Adder/Subtractor(s).
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```
        inferred  32 Comparator(s).
        inferred 932 Multiplexer(s).
Unit <rem_31u_31u> synthesized.

=========================================================================
HDL Synthesis Report

Macro Statistics
# Multipliers                                          : 2
 16x16-bit multiplier                                  : 1
 31x31-bit multiplier                                  : 1
# Adders/Subtractors                                   : 65
 31-bit adder                                          : 2
 32-bit adder                                          : 3
 33-bit adder                                          : 2
 34-bit adder                                          : 2
 35-bit adder                                          : 2
 36-bit adder                                          : 2
 37-bit adder                                          : 2
 38-bit adder                                          : 2
 39-bit adder                                          : 2
 40-bit adder                                          : 2
 41-bit adder                                          : 2
 42-bit adder                                          : 2
 43-bit adder                                          : 2
 44-bit adder                                          : 2
 45-bit adder                                          : 2
 46-bit adder                                          : 2
 47-bit adder                                          : 2
 48-bit adder                                          : 2
 49-bit adder                                          : 2
 50-bit adder                                          : 2
 51-bit adder                                          : 2
 52-bit adder                                          : 2
 53-bit adder                                          : 2
 54-bit adder                                          : 2
 55-bit adder                                          : 2
 56-bit adder                                          : 2
 57-bit adder                                          : 2
 58-bit adder                                          : 2
 59-bit adder                                          : 2
 60-bit adder                                          : 2
 61-bit adder                                          : 2
 62-bit adder                                          : 2
# Registers                                            : 3
 256-bit register                                      : 1
 32-bit register                                       : 1
 64-bit register                                       : 1
# Comparators                                          : 34
 31-bit comparator lessequal                           : 1
 32-bit comparator lessequal                           : 1
 33-bit comparator equal                               : 1
 33-bit comparator greater                             : 1
 33-bit comparator lessequal                           : 1
 34-bit comparator lessequal                           : 1
 35-bit comparator lessequal                           : 1
 36-bit comparator lessequal                           : 1
 37-bit comparator lessequal                           : 1
 38-bit comparator lessequal                           : 1
 39-bit comparator lessequal                           : 1
 40-bit comparator lessequal                           : 1
```

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 41-bit comparator lessequal                       : 1
 42-bit comparator lessequal                       : 1
 43-bit comparator lessequal                       : 1
 44-bit comparator lessequal                       : 1
 45-bit comparator lessequal                       : 1
 46-bit comparator lessequal                       : 1
 47-bit comparator lessequal                       : 1
 48-bit comparator lessequal                       : 1
 49-bit comparator lessequal                       : 1
 50-bit comparator lessequal                       : 1
 51-bit comparator lessequal                       : 1
 52-bit comparator lessequal                       : 1
 53-bit comparator lessequal                       : 1
 54-bit comparator lessequal                       : 1
 55-bit comparator lessequal                       : 1
 56-bit comparator lessequal                       : 1
 57-bit comparator lessequal                       : 1
 58-bit comparator lessequal                       : 1
 59-bit comparator lessequal                       : 1
 60-bit comparator lessequal                       : 1
 61-bit comparator lessequal                       : 1
 62-bit comparator lessequal                       : 1
# Multiplexers                                     : 932
 1-bit 2-to-1 multiplexer                          : 930
 31-bit 2-to-1 multiplexer                         : 2

=========================================================================

=========================================================================
*                        Advanced HDL Synthesis                         *
=========================================================================

WARNING:Xst:1710 - FF/Latch <dout_63> (without init value) has a constant value of 0 in
block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_62> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_61> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_60> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_59> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_58> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_57> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_56> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_55> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_54> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
```

WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_53> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_52> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_51> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_50> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_49> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_48> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_31> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_32> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_33> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_34> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_35> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_36> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_37> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_38> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_39> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_40> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_41> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_42> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_43> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_44> (without init value) has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_45> (without init value)

has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_46> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:1895 - Due to other FF/Latch trimming, FF/Latch <dout_47> (without init value)
has a constant value of 0 in block <decryption_behav>. This FF/Latch will be trimmed
during the optimization process.
WARNING:Xst:2677 - Node <power_result_31> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_32> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_33> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_34> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_35> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_36> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_37> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_38> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_39> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_40> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_41> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_42> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_43> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_44> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_45> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_46> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_47> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_48> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_49> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_50> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_51> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_52> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_53> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_54> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_55> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_56> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_57> of sequential type is unconnected in block

<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_58> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_59> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_60> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_61> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_62> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_63> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_64> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_65> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_66> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_67> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_68> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_69> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_70> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_71> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_72> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_73> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_74> of sequential type is unconnected in block
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<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_81> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_82> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_83> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_84> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_85> of sequential type is unconnected in block
<decryption_behav>.
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<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_87> of sequential type is unconnected in block
<decryption_behav>.

WARNING:Xst:2677 - Node <power_result_88> of sequential type is unconnected in block <decryption_behav>.
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WARNING:Xst:2677 - Node <power_result_97> of sequential type is unconnected in block <decryption_behav>.
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WARNING:Xst:2677 - Node <power_result_118> of sequential type is unconnected in block

<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_119> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_120> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_130> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_133> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_134> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_135> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_136> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_138> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_142> of sequential type is unconnected in block
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<decryption_behav>.

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WARNING:Xst:2677 - Node <power_result_163> of sequential type is unconnected in block <decryption_behav>.
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WARNING:Xst:2677 - Node <power_result_165> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_166> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_167> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_168> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_169> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_170> of sequential type is unconnected in block <decryption_behav>.
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WARNING:Xst:2677 - Node <power_result_179> of sequential type is unconnected in block

<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_180> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_181> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_182> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_183> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_184> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_185> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_186> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_187> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_189> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_191> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_195> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_196> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_198> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_199> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_200> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_201> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_202> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_203> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_205> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_206> of sequential type is unconnected in block
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<decryption_behav>.

WARNING:Xst:2677 - Node <power_result_210> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_211> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_212> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_213> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_214> of sequential type is unconnected in block <decryption_behav>.
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WARNING:Xst:2677 - Node <power_result_216> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_217> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_218> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_219> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_220> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_221> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_222> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_223> of sequential type is unconnected in block <decryption_behav>.
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WARNING:Xst:2677 - Node <power_result_228> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_229> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_230> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_231> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_232> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_233> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_234> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_235> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_236> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_237> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_238> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_239> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_240> of sequential type is unconnected in block

<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_241> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_242> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_243> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_244> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_245> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_246> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_247> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_248> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_249> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_250> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_251> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_252> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_253> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_254> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_255> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2404 - FFs/Latches <dout<63:31>> (without init value) have a constant value
of 0 in block <decryption_behav>.

Synthesizing (advanced) Unit <decryption_behav>.
The following registers are absorbed into counter <cnt>: 1 register on signal <cnt>.
Unit <decryption_behav> synthesized (advanced).
WARNING:Xst:2677 - Node <power_result_31> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_32> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_33> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_34> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_35> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_36> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_37> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_38> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_39> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_40> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_41> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_42> of sequential type is unconnected in block
<decryption_behav>.

WARNING:Xst:2677 - Node <power_result_43> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_44> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_45> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_46> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_47> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_48> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_49> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_50> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_51> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_52> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_53> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_54> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_55> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_56> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_57> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_58> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_59> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_60> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_61> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_62> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_63> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_64> of sequential type is unconnected in block <decryption_behav>.
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WARNING:Xst:2677 - Node <power_result_68> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_69> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_70> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_71> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_72> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_73> of sequential type is unconnected in block

<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_74> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_75> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_76> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_77> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_78> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_79> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_80> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_81> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_82> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_83> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_84> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_85> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_86> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_87> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_88> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_89> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_90> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_91> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_92> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_93> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_94> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_95> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_96> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_97> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_98> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_99> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_100> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_101> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_102> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_103> of sequential type is unconnected in block
<decryption_behav>.

WARNING:Xst:2677 - Node <power_result_104> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_105> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_106> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_107> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_108> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_109> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_110> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_111> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_112> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_113> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_114> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_115> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_116> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_117> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_118> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_119> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_120> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_121> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_122> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_123> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_124> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_125> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_126> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_127> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_128> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_129> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_130> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_131> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_132> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_133> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_134> of sequential type is unconnected in block

<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_135> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_136> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_137> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_138> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_139> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_140> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_141> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_142> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_143> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_144> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_145> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_146> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_147> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_148> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_149> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_150> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_151> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_152> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_153> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_154> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_155> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_156> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_157> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_158> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_159> of sequential type is unconnected in block
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WARNING:Xst:2677 - Node <power_result_160> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_161> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_162> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_163> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_164> of sequential type is unconnected in block
<decryption_behav>.

WARNING:Xst:2677 - Node <power_result_165> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_166> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_167> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_168> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_169> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_170> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_171> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_172> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_173> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_174> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_175> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_176> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_177> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_178> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_179> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_180> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_181> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_182> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_183> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_184> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_185> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_186> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_187> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_188> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_189> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_190> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_191> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_192> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_193> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_194> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_195> of sequential type is unconnected in block

<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_196> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_197> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_198> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_199> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_200> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_201> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_202> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_203> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_204> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_205> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_206> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_207> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_208> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_209> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_210> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_211> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_212> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_213> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_214> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_215> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_216> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_217> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_218> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_219> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_220> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_221> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_222> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_223> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_224> of sequential type is unconnected in block
<decryption_behav>.
WARNING:Xst:2677 - Node <power_result_225> of sequential type is unconnected in block
<decryption_behav>.

WARNING:Xst:2677 - Node <power_result_226> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_227> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_228> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_229> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_230> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_231> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_232> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_233> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_234> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_235> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_236> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_237> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_238> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_239> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_240> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_241> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_242> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_243> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_244> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_245> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_246> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_247> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_248> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_249> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_250> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_251> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_252> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_253> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_254> of sequential type is unconnected in block <decryption_behav>.
WARNING:Xst:2677 - Node <power_result_255> of sequential type is unconnected in block <decryption_behav>.

```
=========================================================================
Advanced HDL Synthesis Report

Macro Statistics
# Multipliers                                          : 2
 16x16-bit multiplier                                  : 1
 31x31-bit multiplier                                  : 1
# Adders/Subtractors                                   : 32
 31-bit adder carry in                                 : 32
# Counters                                             : 1
 32-bit up counter                                     : 1
# Registers                                            : 62
 Flip-Flops                                            : 62
# Comparators                                          : 34
 31-bit comparator lessequal                           : 1
 32-bit comparator lessequal                           : 1
 33-bit comparator equal                               : 1
 33-bit comparator greater                             : 1
 33-bit comparator lessequal                           : 1
 34-bit comparator lessequal                           : 1
 35-bit comparator lessequal                           : 1
 36-bit comparator lessequal                           : 1
 37-bit comparator lessequal                           : 1
 38-bit comparator lessequal                           : 1
 39-bit comparator lessequal                           : 1
 40-bit comparator lessequal                           : 1
 41-bit comparator lessequal                           : 1
 42-bit comparator lessequal                           : 1
 43-bit comparator lessequal                           : 1
 44-bit comparator lessequal                           : 1
 45-bit comparator lessequal                           : 1
 46-bit comparator lessequal                           : 1
 47-bit comparator lessequal                           : 1
 48-bit comparator lessequal                           : 1
 49-bit comparator lessequal                           : 1
 50-bit comparator lessequal                           : 1
 51-bit comparator lessequal                           : 1
 52-bit comparator lessequal                           : 1
 53-bit comparator lessequal                           : 1
 54-bit comparator lessequal                           : 1
 55-bit comparator lessequal                           : 1
 56-bit comparator lessequal                           : 1
 57-bit comparator lessequal                           : 1
 58-bit comparator lessequal                           : 1
 59-bit comparator lessequal                           : 1
 60-bit comparator lessequal                           : 1
 61-bit comparator lessequal                           : 1
 62-bit comparator lessequal                           : 1
# Multiplexers                                         : 932
 1-bit 2-to-1 multiplexer                              : 930
 31-bit 2-to-1 multiplexer                             : 2

=========================================================================

=========================================================================
*                        Low Level Synthesis                            *
=========================================================================
WARNING:Xst:2677 - Node <Mmult_n00253> of sequential type is unconnected in block
<decryption_behav>.

Optimizing unit <decryption_behav> ...
```

```
Optimizing unit <rem_31u_31u> ...

Mapping all equations...
Building and optimizing final netlist ...
Found area constraint ratio of 100 (+ 5) on block decryption_behav, actual ratio is 0.

Final Macro Processing ...

=========================================================================
Final Register Report

Macro Statistics
# Registers                                             : 94
 Flip-Flops                                             : 94

=========================================================================

=========================================================================
*                            Partition Report                           *
=========================================================================

Partition Implementation Status
-------------------------------

  No Partitions were found in this design.

-------------------------------

=========================================================================
*                             Design Summary                            *
=========================================================================

Top Level Output File Name         : decryption_behav.ngc

Primitive and Black Box Usage:
------------------------------
# BELS                             : 3048
#      GND                         : 1
#      INV                         : 7
#      LUT1                        : 31
#      LUT2                        : 10
#      LUT3                        : 243
#      LUT4                        : 525
#      LUT5                        : 409
#      LUT6                        : 447
#      MUXCY                       : 861
#      VCC                         : 1
#      XORCY                       : 513
# FlipFlops/Latches                : 94
#      FDE                         : 31
#      FDRE                        : 62
#      FDSE                        : 1
# Clock Buffers                    : 1
#      BUFGP                       : 1
# IO Buffers                       : 160
#      IBUF                        : 96
#      OBUF                        : 64
# DSPs                             : 4
#      DSP48E1                     : 4
```

Device utilization summary:

Selected Device : 7vx330tffg1157-3

Slice Logic Utilization:

Number of Slice Registers:	94	out of	408000	0%
Number of Slice LUTs:	1672	out of	204000	0%
Number used as Logic:	1672	out of	204000	0%

Slice Logic Distribution:

Number of LUT Flip Flop pairs used:	1703			
Number with an unused Flip Flop:	1609	out of	1703	94%
Number with an unused LUT:	31	out of	1703	1%
Number of fully used LUT-FF pairs:	63	out of	1703	3%
Number of unique control sets:	2			

IO Utilization:

Number of IOs:	162			
Number of bonded IOBs:	161	out of	600	26%

Specific Feature Utilization:

Number of BUFG/BUFGCTRLs:	1	out of	32	3%
Number of DSP48E1s:	4	out of	1120	0%

Partition Resource Summary:

No Partitions were found in this design.

==========

Timing Report

NOTE: THESE TIMING NUMBERS ARE ONLY A SYNTHESIS ESTIMATE.
FOR ACCURATE TIMING INFORMATION PLEASE REFER TO THE TRACE REPORT
GENERATED AFTER PLACE-and-ROUTE.

Clock Information:

Clock Signal	Clock buffer(FF name)	Load
clk	BUFGP	95

Asynchronous Control Signals Information:

No asynchronous control signals found in this design

Timing Summary:

Speed Grade: -3

Minimum period: 44.231ns (Maximum Frequency: 22.609MHz)
Minimum input arrival time before clock: 46.972ns
Maximum output required time after clock: 0.511ns

```
   Maximum combinational path delay: No path found

Timing Details:
---------------
All values displayed in nanoseconds (ns)

=========================================================================
Timing constraint: Default period analysis for Clock 'clk'
  Clock period: 44.231ns (frequency: 22.609MHz)
  Total number of paths / destination ports:
151542562994661510000000000000000000000000000000 / 267
-------------------------------------------------------------------------
Delay:               44.231ns (Levels of Logic = 424)
  Source:            power_result_30 (FF)
  Destination:       dout_30 (FF)
  Source Clock:      clk rising
  Destination Clock: clk rising

  Data Path: power_result_30 to dout_30
                                Gate     Net
    Cell:in->out      fanout   Delay   Delay  Logical Name (Net Name)
    ----------------------------------------  ------------
     FDRE:C->Q             4   0.232   0.357  power_result_30 (power_result_30)
     LUT5:I3->O            1   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_lut<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_lut<0>)
     MUXCY:S->O            1   0.230   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<5>)
     MUXCY:CI->O           2   0.147   0.293
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<6>
(power_result[30]_p_in[15]_rem_5/BUS_0002_INV_67_o)
     LUT3:I2->O            2   0.043   0.460
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_279_o1231
(power_result[30]_p_in[15]_rem_5/a[30]_GND_10_o_MUX_249_o)
     LUT5:I1->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<2>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<5>)
     MUXCY:CI->O           6   0.147   0.312
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<6>
(power_result[30]_p_in[15]_rem_5/BUS_0003_INV_129_o)
     LUT3:I2->O            5   0.043   0.475
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_399_o1211
(power_result[30]_p_in[15]_rem_5/a[29]_GND_10_o_MUX_370_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<5>)
     MUXCY:CI->O           7   0.147   0.317
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<6>
(power_result[30]_p_in[15]_rem_5/BUS_0004_INV_190_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_517_o1201
(power_result[30]_p_in[15]_rem_5/a[28]_GND_10_o_MUX_489_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<4>)
```

```
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<6>)
     MUXCY:CI->O           8   0.147   0.321
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<7>
(power_result[30]_p_in[15]_rem_5/BUS_0005_INV_250_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_633_o1191
(power_result[30]_p_in[15]_rem_5/a[27]_GND_10_o_MUX_606_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<6>)
     MUXCY:CI->O          14   0.147   0.349
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<7>
(power_result[30]_p_in[15]_rem_5/BUS_0006_INV_309_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_747_o1181
(power_result[30]_p_in[15]_rem_5/a[26]_GND_10_o_MUX_721_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
```

```
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<6>)
     MUXCY:CI->O          24   0.147   0.391
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<7>
(power_result[30]_p_in[15]_rem_5/BUS_0007_INV_367_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_859_o1171
(power_result[30]_p_in[15]_rem_5/a[25]_GND_10_o_MUX_834_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<7>)
     MUXCY:CI->O          22   0.147   0.384
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<8>
(power_result[30]_p_in[15]_rem_5/BUS_0008_INV_424_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_969_o1161
(power_result[30]_p_in[15]_rem_5/a[24]_GND_10_o_MUX_945_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<4>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<7>)
     MUXCY:CI->O          32   0.147   0.396
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<8>
(power_result[30]_p_in[15]_rem_5/BUS_0009_INV_480_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1077_o1151
(power_result[30]_p_in[15]_rem_5/a[23]_GND_10_o_MUX_1054_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<7>)
     MUXCY:CI->O          28   0.147   0.395
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<8>
(power_result[30]_p_in[15]_rem_5/BUS_0010_INV_535_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1183_o1141
(power_result[30]_p_in[15]_rem_5/a[22]_GND_10_o_MUX_1161_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<2>)
```

```
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<7>)
     MUXCY:CI->O          40   0.147   0.397
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<8>
(power_result[30]_p_in[15]_rem_5/BUS_0011_INV_589_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1287_o1131
(power_result[30]_p_in[15]_rem_5/a[21]_GND_10_o_MUX_1266_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<8>)
     MUXCY:CI->O          34   0.147   0.396
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<9>
(power_result[30]_p_in[15]_rem_5/BUS_0012_INV_642_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1389_o1121
(power_result[30]_p_in[15]_rem_5/a[20]_GND_10_o_MUX_1369_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
```

```
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<8>)
     MUXCY:CI->O          48   0.147   0.399
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<9>
(power_result[30]_p_in[15]_rem_5/BUS_0013_INV_694_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1489_o1101
(power_result[30]_p_in[15]_rem_5/a[19]_GND_10_o_MUX_1470_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<8>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<8>)
     MUXCY:CI->O          40   0.147   0.397
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<9>
(power_result[30]_p_in[15]_rem_5/BUS_0014_INV_745_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1587_o191
(power_result[30]_p_in[15]_rem_5/a[18]_GND_10_o_MUX_1569_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<9>)
     MUXCY:CI->O          56   0.147   0.400
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<10>
(power_result[30]_p_in[15]_rem_5/BUS_0015_INV_795_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1683_o181
(power_result[30]_p_in[15]_rem_5/a[17]_GND_10_o_MUX_1666_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<3>)
```

```
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<9>)
     MUXCY:CI->O          46   0.147   0.398
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<10>
(power_result[30]_p_in[15]_rem_5/BUS_0016_INV_844_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1777_o171
(power_result[30]_p_in[15]_rem_5/a[16]_GND_10_o_MUX_1761_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<9>)
     MUXCY:CI->O          64   0.147   0.401
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<10>
(power_result[30]_p_in[15]_rem_5/BUS_0017_INV_892_o)
     LUT3:I2->O            3   0.043   0.466
```

```
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1869_o161
(power_result[30]_p_in[15]_rem_5/a[15]_GND_10_o_MUX_1854_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<10>)
     MUXCY:CI->O          52   0.147   0.399
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<11>
(power_result[30]_p_in[15]_rem_5/BUS_0018_INV_939_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1959_o151
(power_result[30]_p_in[15]_rem_5/a[14]_GND_10_o_MUX_1945_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<4>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<10>)
     MUXCY:CI->O          72   0.147   0.402
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<11>
(power_result[30]_p_in[15]_rem_5/BUS_0019_INV_985_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2047_o141
(power_result[30]_p_in[15]_rem_5/a[13]_GND_10_o_MUX_2034_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<10>)
```

```
     MUXCY:CI->O          58   0.147   0.400
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<11>
(power_result[30]_p_in[15]_rem_5/BUS_0020_INV_1030_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2133_o131
(power_result[30]_p_in[15]_rem_5/a[12]_GND_10_o_MUX_2121_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<10>)
     MUXCY:CI->O          80   0.147   0.403
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<11>
(power_result[30]_p_in[15]_rem_5/BUS_0021_INV_1074_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2217_o122
(power_result[30]_p_in[15]_rem_5/a[11]_GND_10_o_MUX_2206_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
```

```
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<11>)
     MUXCY:CI->O          64   0.148   0.401
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<12>
(power_result[30]_p_in[15]_rem_5/BUS_0022_INV_1117_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2299_o111
(power_result[30]_p_in[15]_rem_5/a[10]_GND_10_o_MUX_2289_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<8>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<11>)
     MUXCY:CI->O          88   0.148   0.405
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<12>
(power_result[30]_p_in[15]_rem_5/BUS_0023_INV_1159_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2379_o1301
(power_result[30]_p_in[15]_rem_5/a[9]_GND_10_o_MUX_2370_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<11>)
     MUXCY:CI->O          70   0.148   0.402
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<12>
(power_result[30]_p_in[15]_rem_5/BUS_0024_INV_1200_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2457_o1291
(power_result[30]_p_in[15]_rem_5/a[8]_GND_10_o_MUX_2449_o)
```

```
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<12>)
     MUXCY:CI->O          96   0.148   0.406
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<13>
(power_result[30]_p_in[15]_rem_5/BUS_0025_INV_1240_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2533_o1281
(power_result[30]_p_in[15]_rem_5/a[7]_GND_10_o_MUX_2526_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
```

```
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<12>)
     MUXCY:CI->O          76   0.148   0.403
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<13>
(power_result[30]_p_in[15]_rem_5/BUS_0026_INV_1279_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2607_o1271
(power_result[30]_p_in[15]_rem_5/a[6]_GND_10_o_MUX_2601_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<7>
```

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(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<12>)
     MUXCY:CI->O         104   0.147   0.407
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<13>
(power_result[30]_p_in[15]_rem_5/BUS_0027_INV_1317_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2679_o1261
(power_result[30]_p_in[15]_rem_5/a[5]_GND_10_o_MUX_2674_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<11>)
```

```
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<12>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<13>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<13>)
     MUXCY:CI->O          82   0.148   0.404
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<14>
(power_result[30]_p_in[15]_rem_5/BUS_0028_INV_1354_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2749_o1251
(power_result[30]_p_in[15]_rem_5/a[4]_GND_10_o_MUX_2745_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<12>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<13>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<13>)
     MUXCY:CI->O         112   0.148   0.408
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<14>
(power_result[30]_p_in[15]_rem_5/BUS_0029_INV_1390_o)
     LUT3:I2->O            4   0.043   0.470
```

```
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2817_o1241
(power_result[30]_p_in[15]_rem_5/a[3]_GND_10_o_MUX_2814_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<10>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<11>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<12>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<13>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<13>)
     MUXCY:CI->O         116   0.148   0.409
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<14>
(power_result[30]_p_in[15]_rem_5/BUS_0030_INV_1425_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2850_o1221
(power_result[30]_p_in[15]_rem_5/a[2]_GND_10_o_MUX_2848_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<1>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<10>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<11>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<12>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<13>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<13>)
     MUXCY:CI->O          90   0.148   0.405
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<14>
(power_result[30]_p_in[15]_rem_5/BUS_0031_INV_1459_o)
     LUT3:I2->O            2   0.043   0.283
power_result[30]_p_in[15]_rem_5/Mmux_n3358121 (power_result[30]_p_in[15]_rem_5/n3358<1>)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<1>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<2>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<3>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<4>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<5>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<6>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
```

power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<7>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<7>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<8>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<8>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<9>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<9>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<10>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<10>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<11>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<11>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<12>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<12>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<13>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<13>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<14>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<14>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<15>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<15>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<16>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<16>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<17>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<17>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<18>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<18>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<19>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<19>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<20>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<20>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<21>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<21>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<22>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<22>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<23>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<23>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<24>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<24>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<25>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<25>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<26>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<26>)
     MUXCY:CI->O   1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<27>

```
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<27>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<28>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<28>)
     MUXCY:CI->O           0   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<29>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<29>)
     XORCY:CI->O           1   0.251   0.343
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_xor<30>
(power_result[30]_p_in[15]_rem_5/a[30]_b[30]_add_63_OUT[30:0]<30>)
     LUT5:I3->O            1   0.043   0.000  power_result[30]_p_in[15]_rem_5/Mmux_o241
(power_result[30]_p_in[15]_rem_5_OUT<30>)
     FDE:D                    -0.001          dout_30
    ----------------------------------------
    Total                     44.231ns (18.064ns logic, 26.167ns route)
                                       (40.8% logic, 59.2% route)

==========================================================================
Timing constraint: Default OFFSET IN BEFORE for Clock 'clk'
  Total number of paths / destination ports:
57888959203740727000000000000000000000000000000000 / 235
--------------------------------------------------------------------------
Offset:              46.972ns (Levels of Logic = 426)
  Source:            q_in<15> (PAD)
  Destination:       dout_30 (FF)
  Destination Clock: clk rising

  Data Path: q_in<15> to dout_30
                                Gate     Net
    Cell:in->out      fanout   Delay   Delay  Logical Name (Net Name)
    ----------------------------------------  ------------
     IBUF:I->O             1   0.000   0.279  q_in_15_IBUF (q_in_15_IBUF)
     DSP48E1:A15->P1      99   2.392   0.659  Mmult_n0024 (n0024<1>)
     LUT5:I0->O            1   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_lut<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_lut<0>)
     MUXCY:S->O            1   0.230   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<5>)
     MUXCY:CI->O           2   0.147   0.293
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0002_INV_67_o_cy<6>
(power_result[30]_p_in[15]_rem_5/BUS_0002_INV_67_o)
     LUT3:I2->O            2   0.043   0.460
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_279_o1231
(power_result[30]_p_in[15]_rem_5/a[30]_GND_10_o_MUX_249_o)
     LUT5:I1->O            0   0.043   0.000
```

power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_lutdi)
     MUXCY:DI->O   1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<0>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<1>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<2>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<3>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<4>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<5>)
     MUXCY:CI->O   6   0.147   0.312
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0003_INV_129_o_cy<6>
(power_result[30]_p_in[15]_rem_5/BUS_0003_INV_129_o)
     LUT3:I2->O   5   0.043   0.475
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_399_o1211
(power_result[30]_p_in[15]_rem_5/a[29]_GND_10_o_MUX_370_o)
     LUT4:I0->O   0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_lutdi)
     MUXCY:DI->O   1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<0>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<1>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<2>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<3>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<4>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<5>)
     MUXCY:CI->O   7   0.147   0.317
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0004_INV_190_o_cy<6>
(power_result[30]_p_in[15]_rem_5/BUS_0004_INV_190_o)
     LUT3:I2->O   4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_517_o1201
(power_result[30]_p_in[15]_rem_5/a[28]_GND_10_o_MUX_489_o)
     LUT4:I0->O   0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_lutdi)
     MUXCY:DI->O   1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<0>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<1>

(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<1>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<2>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<3>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<4>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<5>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<6>)
     MUXCY:CI->O   8   0.147   0.321
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0005_INV_250_o_cy<7>
(power_result[30]_p_in[15]_rem_5/BUS_0005_INV_250_o)
     LUT3:I2->O   3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_633_o1191
(power_result[30]_p_in[15]_rem_5/a[27]_GND_10_o_MUX_606_o)
     LUT4:I0->O   0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_lutdi)
     MUXCY:DI->O   1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<0>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<1>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<2>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<3>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<4>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<5>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<6>)
     MUXCY:CI->O   14   0.147   0.349
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0006_INV_309_o_cy<7>
(power_result[30]_p_in[15]_rem_5/BUS_0006_INV_309_o)
     LUT3:I2->O   4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_747_o1181
(power_result[30]_p_in[15]_rem_5/a[26]_GND_10_o_MUX_721_o)
     LUT4:I0->O   0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_lutdi)
     MUXCY:DI->O   1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<0>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<1>)

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     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<6>)
     MUXCY:CI->O          24   0.147   0.391
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0007_INV_367_o_cy<7>
(power_result[30]_p_in[15]_rem_5/BUS_0007_INV_367_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_859_o1171
(power_result[30]_p_in[15]_rem_5/a[25]_GND_10_o_MUX_834_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<7>)
     MUXCY:CI->O          22   0.147   0.384
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0008_INV_424_o_cy<8>
(power_result[30]_p_in[15]_rem_5/BUS_0008_INV_424_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_969_o1161
(power_result[30]_p_in[15]_rem_5/a[24]_GND_10_o_MUX_945_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
```

```
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<7>)
     MUXCY:CI->O          32   0.147   0.396
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0009_INV_480_o_cy<8>
(power_result[30]_p_in[15]_rem_5/BUS_0009_INV_480_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1077_o1151
(power_result[30]_p_in[15]_rem_5/a[23]_GND_10_o_MUX_1054_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<7>)
     MUXCY:CI->O          28   0.147   0.395
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0010_INV_535_o_cy<8>
(power_result[30]_p_in[15]_rem_5/BUS_0010_INV_535_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1183_o1141
(power_result[30]_p_in[15]_rem_5/a[22]_GND_10_o_MUX_1161_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_lutdi
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<7>)
     MUXCY:CI->O          40   0.147   0.397
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0011_INV_589_o_cy<8>
(power_result[30]_p_in[15]_rem_5/BUS_0011_INV_589_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1287_o1131
(power_result[30]_p_in[15]_rem_5/a[21]_GND_10_o_MUX_1266_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<8>)
```

```
     MUXCY:CI->O          34   0.147   0.396
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0012_INV_642_o_cy<9>
(power_result[30]_p_in[15]_rem_5/BUS_0012_INV_642_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1389_o1121
(power_result[30]_p_in[15]_rem_5/a[20]_GND_10_o_MUX_1369_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<8>)
     MUXCY:CI->O          48   0.147   0.399
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0013_INV_694_o_cy<9>
(power_result[30]_p_in[15]_rem_5/BUS_0013_INV_694_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1489_o1101
(power_result[30]_p_in[15]_rem_5/a[19]_GND_10_o_MUX_1470_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
```

power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<5>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<6>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<7>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<8>)
     MUXCY:CI->O   40   0.147   0.397
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0014_INV_745_o_cy<9>
(power_result[30]_p_in[15]_rem_5/BUS_0014_INV_745_o)
     LUT3:I2->O   4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1587_o191
(power_result[30]_p_in[15]_rem_5/a[18]_GND_10_o_MUX_1569_o)
     LUT4:I0->O   0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_lutdi)
     MUXCY:DI->O   1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<0>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<1>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<2>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<3>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<4>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<5>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<6>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<7>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<8>)
     MUXCY:CI->O   1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<9>)
     MUXCY:CI->O   56   0.147   0.400
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0015_INV_795_o_cy<10>
(power_result[30]_p_in[15]_rem_5/BUS_0015_INV_795_o)
     LUT3:I2->O   3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1683_o181
(power_result[30]_p_in[15]_rem_5/a[17]_GND_10_o_MUX_1666_o)
     LUT4:I0->O   0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_lutdi)
     MUXCY:DI->O   1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<0>

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<9>)
     MUXCY:CI->O          46   0.147   0.398
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0016_INV_844_o_cy<10>
(power_result[30]_p_in[15]_rem_5/BUS_0016_INV_844_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1777_o171
(power_result[30]_p_in[15]_rem_5/a[16]_GND_10_o_MUX_1761_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<7>)
```

```
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<9>)
     MUXCY:CI->O          64   0.147   0.401
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0017_INV_892_o_cy<10>
(power_result[30]_p_in[15]_rem_5/BUS_0017_INV_892_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1869_o161
(power_result[30]_p_in[15]_rem_5/a[15]_GND_10_o_MUX_1854_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<10>)
     MUXCY:CI->O          52   0.147   0.399
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0018_INV_939_o_cy<11>
(power_result[30]_p_in[15]_rem_5/BUS_0018_INV_939_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_1959_o151
(power_result[30]_p_in[15]_rem_5/a[14]_GND_10_o_MUX_1945_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
```

```
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<10>)
     MUXCY:CI->O          72   0.147   0.402
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0019_INV_985_o_cy<11>
(power_result[30]_p_in[15]_rem_5/BUS_0019_INV_985_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2047_o141
(power_result[30]_p_in[15]_rem_5/a[13]_GND_10_o_MUX_2034_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<7>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<10>)
     MUXCY:CI->O          58   0.147   0.400
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0020_INV_1030_o_cy<11>
(power_result[30]_p_in[15]_rem_5/BUS_0020_INV_1030_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2133_o131
(power_result[30]_p_in[15]_rem_5/a[12]_GND_10_o_MUX_2121_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<10>)
     MUXCY:CI->O          80   0.147   0.403
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0021_INV_1074_o_cy<11>
(power_result[30]_p_in[15]_rem_5/BUS_0021_INV_1074_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2217_o122
(power_result[30]_p_in[15]_rem_5/a[11]_GND_10_o_MUX_2206_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_lutdi)
```

```
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<11>)
     MUXCY:CI->O          64   0.148   0.401
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0022_INV_1117_o_cy<12>
(power_result[30]_p_in[15]_rem_5/BUS_0022_INV_1117_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2299_o111
(power_result[30]_p_in[15]_rem_5/a[10]_GND_10_o_MUX_2289_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
```

```
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<11>)
     MUXCY:CI->O          88   0.148   0.405
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0023_INV_1159_o_cy<12>
(power_result[30]_p_in[15]_rem_5/BUS_0023_INV_1159_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2379_o1301
(power_result[30]_p_in[15]_rem_5/a[9]_GND_10_o_MUX_2370_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<10>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<11>)
     MUXCY:CI->O          70   0.148   0.402
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0024_INV_1200_o_cy<12>
(power_result[30]_p_in[15]_rem_5/BUS_0024_INV_1200_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2457_o1291
(power_result[30]_p_in[15]_rem_5/a[8]_GND_10_o_MUX_2449_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<12>)
     MUXCY:CI->O          96   0.148   0.406
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0025_INV_1240_o_cy<13>
(power_result[30]_p_in[15]_rem_5/BUS_0025_INV_1240_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2533_o1281
(power_result[30]_p_in[15]_rem_5/a[7]_GND_10_o_MUX_2526_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_lutdi)
```

```
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<12>)
     MUXCY:CI->O          76   0.148   0.403
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0026_INV_1279_o_cy<13>
(power_result[30]_p_in[15]_rem_5/BUS_0026_INV_1279_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2607_o1271
(power_result[30]_p_in[15]_rem_5/a[6]_GND_10_o_MUX_2601_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
```

```
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<12>)
     MUXCY:CI->O         104   0.147   0.407
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0027_INV_1317_o_cy<13>
(power_result[30]_p_in[15]_rem_5/BUS_0027_INV_1317_o)
     LUT3:I2->O            3   0.043   0.466
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2679_o1261
(power_result[30]_p_in[15]_rem_5/a[5]_GND_10_o_MUX_2674_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<8>
```

```
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<12>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<13>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<13>)
     MUXCY:CI->O          82   0.148   0.404
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0028_INV_1354_o_cy<14>
(power_result[30]_p_in[15]_rem_5/BUS_0028_INV_1354_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2749_o1251
(power_result[30]_p_in[15]_rem_5/a[4]_GND_10_o_MUX_2745_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<0>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<3>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<11>)
```

```
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<12>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<13>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<13>)
     MUXCY:CI->O         112   0.148   0.408
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0029_INV_1390_o_cy<14>
(power_result[30]_p_in[15]_rem_5/BUS_0029_INV_1390_o)
     LUT3:I2->O            4   0.043   0.470
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2817_o1241
(power_result[30]_p_in[15]_rem_5/a[3]_GND_10_o_MUX_2814_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<10>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<11>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<12>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<13>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<13>)
     MUXCY:CI->O         116   0.148   0.409
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0030_INV_1425_o_cy<14>
(power_result[30]_p_in[15]_rem_5/BUS_0030_INV_1425_o)
     LUT3:I2->O            3   0.043   0.466
```

```
power_result[30]_p_in[15]_rem_5/Mmux_a[0]_GND_10_o_MUX_2850_o1221
(power_result[30]_p_in[15]_rem_5/a[2]_GND_10_o_MUX_2848_o)
     LUT4:I0->O            0   0.043   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_lutdi
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_lutdi)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<0>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<0>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<1>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<1>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<2>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<2>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<3>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<3>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<4>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<4>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<5>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<5>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<6>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<6>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<7>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<7>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<8>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<8>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<9>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<9>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<10>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<10>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<11>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<11>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<12>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<12>)
     MUXCY:CI->O           1   0.013   0.000
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<13>
(power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<13>)
     MUXCY:CI->O          90   0.148   0.405
power_result[30]_p_in[15]_rem_5/Mcompar_BUS_0031_INV_1459_o_cy<14>
(power_result[30]_p_in[15]_rem_5/BUS_0031_INV_1459_o)
     LUT3:I2->O            2   0.043   0.283
power_result[30]_p_in[15]_rem_5/Mmux_n3358121 (power_result[30]_p_in[15]_rem_5/n3358<1>)
     MUXCY:DI->O           1   0.218   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<1>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<1>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<2>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<2>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<3>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<3>)
```

```
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<4>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<4>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<5>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<5>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<6>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<6>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<7>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<7>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<8>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<8>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<9>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<9>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<10>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<10>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<11>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<11>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<12>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<12>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<13>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<13>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<14>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<14>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<15>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<15>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<16>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<16>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<17>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<17>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<18>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<18>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<19>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<19>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<20>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<20>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<21>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<21>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<22>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<22>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<23>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<23>)
     MUXCY:CI->O           1   0.012   0.000
```

```
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<24>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<24>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<25>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<25>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<26>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<26>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<27>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<27>)
     MUXCY:CI->O           1   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<28>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<28>)
     MUXCY:CI->O           0   0.012   0.000
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<29>
(power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_cy<29>)
     XORCY:CI->O           1   0.251   0.343
power_result[30]_p_in[15]_rem_5/Madd_a[30]_b[30]_add_63_OUT[30:0]_Madd_xor<30>
(power_result[30]_p_in[15]_rem_5/a[30]_b[30]_add_63_OUT[30:0]<30>)
     LUT5:I3->O            1   0.043   0.000  power_result[30]_p_in[15]_rem_5/Mmux_o241
(power_result[30]_p_in[15]_rem_5_OUT<30>)
     FDE:D                    -0.001          dout_30
    ----------------------------------------
    Total                     46.972ns (20.224ns logic, 26.748ns route)
                                       (43.1% logic, 56.9% route)

==========================================================================
Timing constraint: Default OFFSET OUT AFTER for Clock 'clk'
  Total number of paths / destination ports: 31 / 31
--------------------------------------------------------------------------
Offset:              0.511ns (Levels of Logic = 1)
  Source:            dout_30 (FF)
  Destination:       dout<30> (PAD)
  Source Clock:      clk rising

  Data Path: dout_30 to dout<30>
                               Gate     Net
    Cell:in->out      fanout   Delay   Delay  Logical Name (Net Name)
    ----------------------------------------  ------------
     FDE:C->Q              1   0.232   0.279  dout_30 (dout_30)
     OBUF:I->O                 0.000          dout_30_OBUF (dout<30>)
    ----------------------------------------
    Total                     0.511ns (0.232ns logic, 0.279ns route)
                                       (45.4% logic, 54.6% route)

==========================================================================

Cross Clock Domains Report:
---------------------------

Clock to Setup on destination clock clk
---------------+---------+---------+---------+---------+
               | Src:Rise| Src:Fall| Src:Rise| Src:Fall|
Source Clock   |Dest:Rise|Dest:Rise|Dest:Fall|Dest:Fall|
---------------+---------+---------+---------+---------+
clk            |   44.231|         |         |         |
---------------+---------+---------+---------+---------+

==========================================================================
```

```
Total REAL time to Xst completion: 23.00 secs
Total CPU time to Xst completion: 22.77 secs

-->

Total memory usage is 4647544 kilobytes

Number of errors   :    0 (   0 filtered)
Number of warnings :  486 (   0 filtered)
Number of infos    :    0 (   0 filtered)
```