Optimization Complete

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1

design\_vision> uplevel #0 { report\_design -nosplit }

Information: Updating design information... (UID-85)

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Report : design

Design : washingmachine

Version: O-2018.06-SP1

Date : Thu Sep 22 11:29:31 2022

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Design allows ideal nets on clock nets.

Library(s) Used:

library (File: /home/011/y/yx/yxa210024/cad/synopsys/library.db)

Local Link Library:

{library.db}

Flip-Flop Types:

No flip-flop types specified.

Latch Types:

No latch types specified.

Operating Conditions:

Operating Condition Name : nom\_pvt

Library : library

Process : 1.00

Temperature : 25.00

Voltage : 5.00

Interconnect Model : balanced\_tree

Wire Loading Model:

No wire loading specified.

Wire Loading Model Mode: top.

Timing Ranges:

No timing ranges specified.

Pin Input Delays:

None specified.

Pin Output Delays:

None specified.

Disabled Timing Arcs:

No arcs disabled.

Required Licenses:

None Required

Design Parameters:

None specified.

design\_vision> read\_file -format verilog {/home/011/y/yx/yxa210024/cad/washingMachine/washingMachine.srcs/sources\_1/new/WashingMachine.v}

Loading verilog file '/home/011/y/yx/yxa210024/cad/washingMachine/washingMachine.srcs/sources\_1/new/WashingMachine.v'

Detecting input file type automatically (-rtl or -netlist).

Warning: Overwriting design file '/home/011/y/yx/yxa210024/cad/washingMachine/washingMachine.srcs/sources\_1/new/washingmachine'. (DDB-24)

Reading with Presto HDL Compiler (equivalent to -rtl option).

Running PRESTO HDLC

Compiling source file /home/011/y/yx/yxa210024/cad/washingMachine/washingMachine.srcs/sources\_1/new/WashingMachine.v

Statistics for case statements in always block at line 37 in file

'/home/011/y/yx/yxa210024/cad/washingMachine/washingMachine.srcs/sources\_1/new/WashingMachine.v'

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

| Line | full/ parallel |

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

| 40 | auto/auto |

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

Inferred memory devices in process

in routine washingmachine line 232 in file

'/home/011/y/yx/yxa210024/cad/washingMachine/washingMachine.srcs/sources\_1/new/WashingMachine.v'.

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

| Register Name | Type | Width | Bus | MB | AR | AS | SR | SS | ST |

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

| currentstatecheck\_reg | Flip-flop | 3 | Y | N | Y | N | N | N | N |

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

Presto compilation completed successfully.

Current design is now '/home/011/y/yx/yxa210024/cad/washingMachine/washingMachine.srcs/sources\_1/new/washingmachine.db:washingmachine'

Loaded 1 design.

Current design is 'washingmachine'.

design\_vision> Current design is 'washingmachine'.

compile -exact\_map -ungroup\_all -auto\_ungroup area -only\_design\_rule

Information: There are 1777 potential problems in your design. Please run 'check\_design' for more information. (LINT-99)

Beginning Pass 1 Mapping (Incremental)

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Processing 'washingmachine'

Updating timing information

Information: Updating design information... (UID-85)

Information: Design 'washingmachine' has no optimization constraints set. (OPT-108)

Beginning Mapping Optimizations (Incremental)

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Beginning Delay Optimization Phase

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TOTAL

ELAPSED WORST NEG SETUP DESIGN

TIME AREA SLACK COST RULE COST ENDPOINT

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

0:00:01 3144.0 0.00 0.0 0.0

Loading db file '/home/011/y/yx/yxa210024/cad/synopsys/library.db'

Note: Symbol # after min delay cost means estimated hold TNS across all active scenarios

Optimization Complete

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1

design\_vision> uplevel #0 { report\_cell }

Information: Updating graph... (UID-83)

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Report : cell

Design : washingmachine

Version: O-2018.06-SP1

Date : Thu Sep 22 11:30:04 2022

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Attributes:

b - black box (unknown)

h - hierarchical

n - noncombinational

r - removable

u - contains unmapped logic

Cell Reference Library Area Attributes

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C7 nand2 library 1.000000

C10 nand2 library 1.000000

C14 nand2 library 1.000000

C19 nand2 library 1.000000

C23 nand2 library 1.000000

C28 nand2 library 1.000000

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U2056 inv library 1.000000

U2057 inv library 1.000000

U2058 inv library 1.000000

U2059 inv library 1.000000

U2060 inv library 1.000000

U2061 inv library 1.000000

U2062 inv library 1.000000

U2063 inv library 1.000000

U2064 inv library 1.000000

U2065 inv library 1.000000

U2066 inv library 1.000000

U2067 inv library 1.000000

U2068 inv library 1.000000

U2069 inv library 1.000000

U2070 inv library 1.000000

U2071 inv library 1.000000

U2072 inv library 1.000000

U2073 inv library 1.000000

U2074 inv library 1.000000

U2075 inv library 1.000000

U2076 inv library 1.000000

U2077 inv library 1.000000

U2078 inv library 1.000000

U2079 inv library 1.000000

U2080 inv library 1.000000

U2081 inv library 1.000000

currentstatecheck\_reg[0] dff library 7.000000 n

currentstatecheck\_reg[1] dff library 7.000000 n

currentstatecheck\_reg[2] dff library 7.000000 n

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Total 3120 cells 3144.000000