

Computer Architecture Practice - COM307P

Lab - 5

Processor Register File

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Output :

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Cmder C:\dhyuti\ca\lab5\prf_tb.v - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
C:\Users\dhyut>cd ca
C:\Users\dhyut\ca>cd lab5
C:\Users\dhyut\ca\lab5>iverilog -o uut prf.v prf_tb.v
C:\Users\dhyut\ca\lab5>vvp uut
VCD info: dumpfile uut.ved opened for output.
I1 = 0000000000000000000000000000000000000000000000000000000000000000, si1= 0000
O1 = xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, so1 = 0000
O2 = xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, so2 = 0000
RD = 0, WR = 0, rst = 1, EN = 1, clk = 1
EN = 10
I1 = 0000000000001111000000000000000000000000000000000000000000000000, si1= 0000
O1 = xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, so1 = 0000
O2 = xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, so2 = 0000
RD = 0, WR = 1, rst = 0, EN = 1, clk = 1
#10; I20 = 1'b0; EN = 1'b1; WR = 1'b1; RD = 1'b0; I1 = 64'b0000000000000000000000000000000000000000000000000000000000000000
I1 = 1111000000000000000000000000000000000000000000000000000000000000, si1= 0001
O1 = xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, so1 = 0000 0000000000
O2 = xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx, so2 = 0000
RD = 0, WR = 1, rst = 0, EN = 1, clk = 1; so1 = 4'b0000; so2 = 4'b0001;
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I1 = 1111000000000000000000000000000000000000000000000000000000000000, si1= 0001
O1 = 0000000000000011110000000000000000000000000000000000000000000000, so1 = 0000
O2 = 1111000000000000000000000000000000000000000000000000000000000000, so2 = 0001
RD = 1, WR = 0, rst = 0, EN = 1, clk = 1
prf_tb.v:47: $finish called at 505000 (1ps)
clk = ~clk;
C:\Users\dhyut\ca\lab5>
#500 $finish;
end

```

THE END