

Laboratory 2

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PS C:\Users\jesie\OneDrive\Documents\verilog> iverilog -o laboratory2llanes laboratory2llanes
PS C:\Users\jesie\OneDrive\Documents\verilog> vvp laboratory2llanes
VCD info: dumpfile laboratory2llanes.vcd opened for output.
xxxxxxx
DeMorgan's Law
~((a)(b))
a=0, b=0, n=1
a=0, b=1, n=1
a=1, b=0, n=1
a=1, b=1, n=0
(~a)+(~b)
a=0, b=0, n=1
a=0, b=1, n=1
a=1, b=0, n=1
a=1, b=1, n=0
Therefore, ~((a)(b)) == (~a)+(~b)

~(a+b)
a=1, b=1, n=0
Therefore, ~(a+b) == (~a)(~b)

part 1B
a=1, b=1, n=1
a=0, b=1, n=0
a=1, b=0, n=0
a=1, b=1, n=1

part 2A
a=1, b=1, n=1
a=1, b=0, n=0
a=0, b=1, n=0
a=0, b=0, n=0

part 2B
a=0, b=0, n=0
a=0, b=1, n=1
a=1, b=0, n=1
a=1, b=1, n=1
laboratory2llanes.v:133: $finish called at 36 (1s)
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