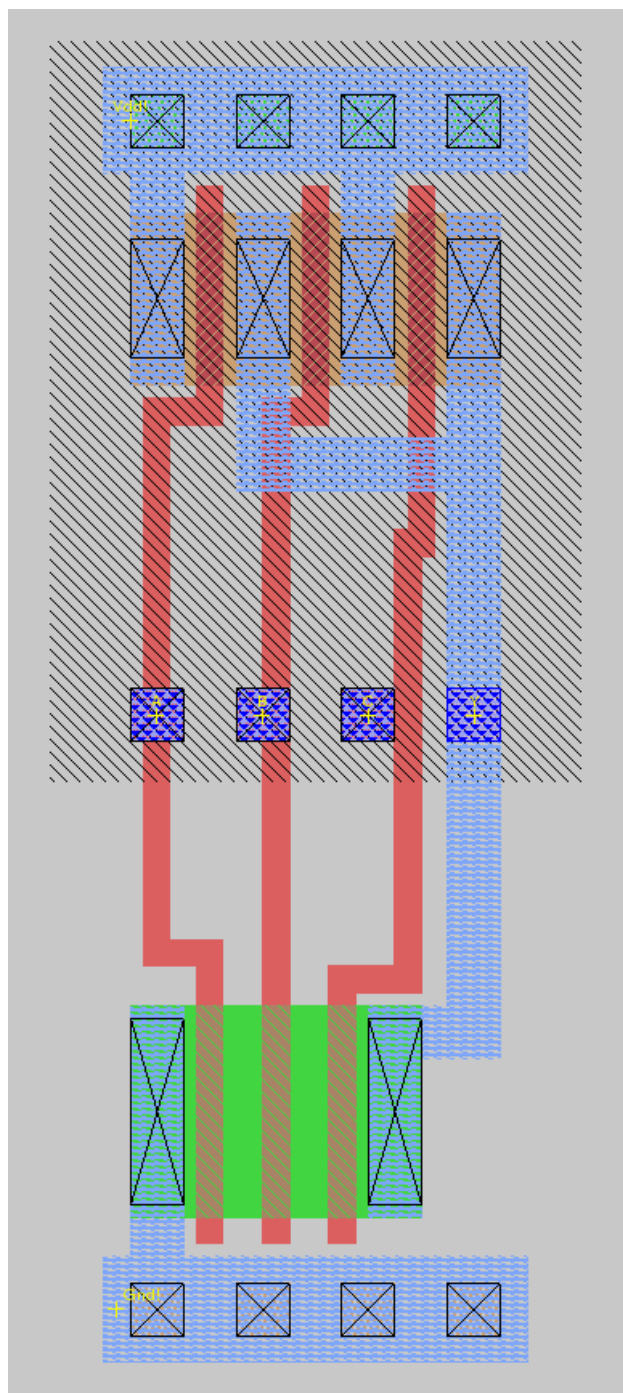


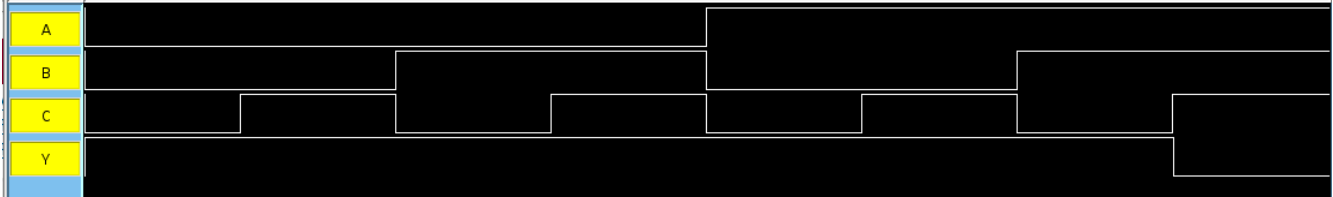
Adam Ness and Marty Townley
ECE425
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Lab 3

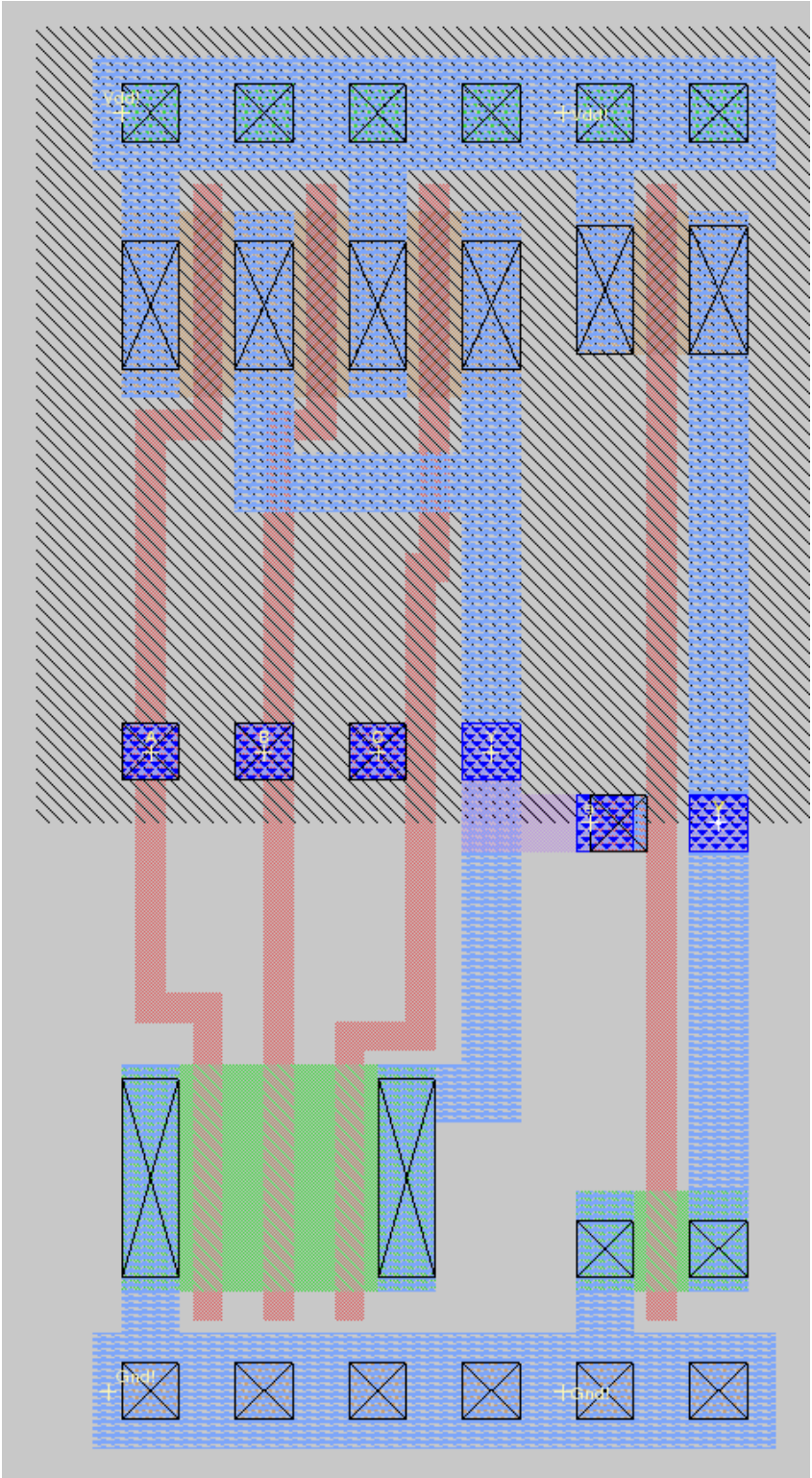
nand3_L



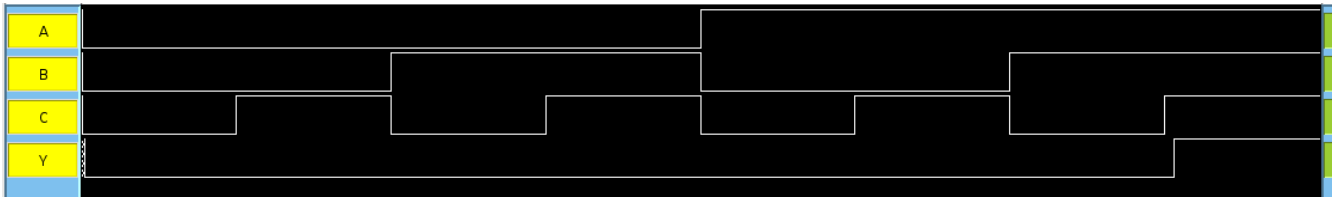
Root cell box:
width x height (llx, lly), (urx, ury) area (units^2)
microns: 12.00 x 30.00 (-1.80, -1.20), (10.20, 28.80) 360.00
lambda: 40 x 100 (-6, -4), (34, 96) 4000



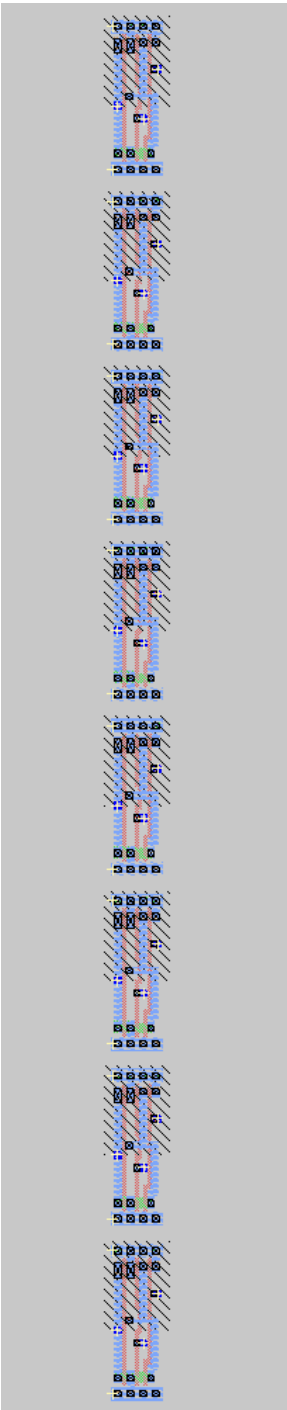
and3_L



Root cell box:
width x height (llx, lly), (urx, ury) area (units^2)
microns: 16.80 x 30.00 (0.00, 0.00), (16.80, 30.00) 504.00
lambda: 56 x 100 (0, 0), (56, 100) 5600

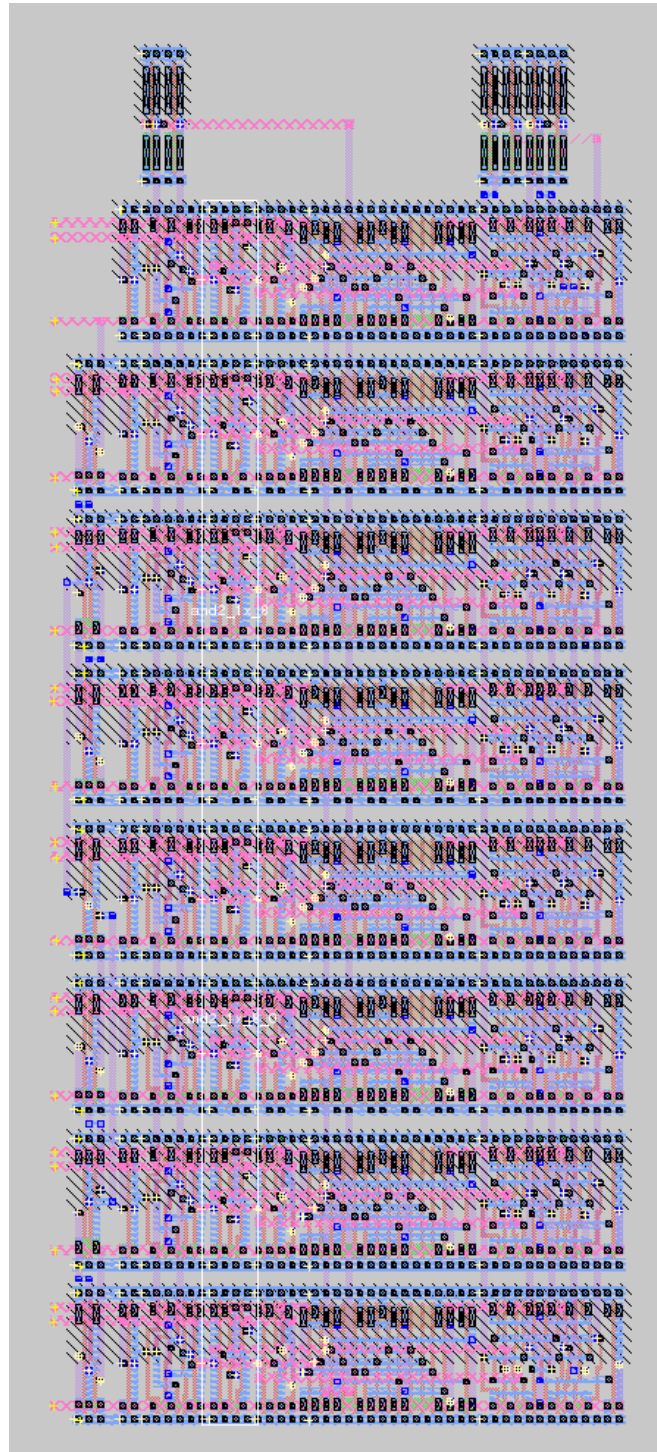


and2_1x_8



Root cell box:
width x height (llx, lly), (urx, ury) area (units^2)
microns: 12.00 x 261.00 (-39.60, 8.40), (-27.60, 269.40) 3132.00
lambda: 40 x 870 (-132, 28), (-92, 898) 34800

alu



Root cell box:

width x height (llx, lly), (urx, ury) area (units^2)

microns: 123.30 x 294.00 (-5.10, -1.20), (118.20, 292.80) 36250.20

lambda: 411 x 980 (-17, -4), (394, 976) 402780

ALU Test:

	AND						OR						ADD					
A	0	240	255	0	240	255	0	240	255	0	1	2	0	1	2	3		
B	0	170	255	0	170	255	0	170	255	0	1		0	1				
OP	000						001						010					
Y	0	160	255	0	250	255	0	250	255	0	1	2	0	1	2	3		

SUBTRACT								SLT							
0	2	255	128	85	1	0	255	1	0	255					
0	1	255	1	85	0	1	0	0	1	0					
110								111							
0	1	0	127	0	0	1	1	0	0	1	1				

This test indicates that the ALU works properly for the test cases for all operations.

Annotated Slice:

