

P10 q1

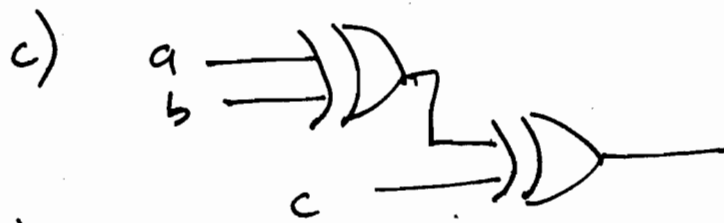
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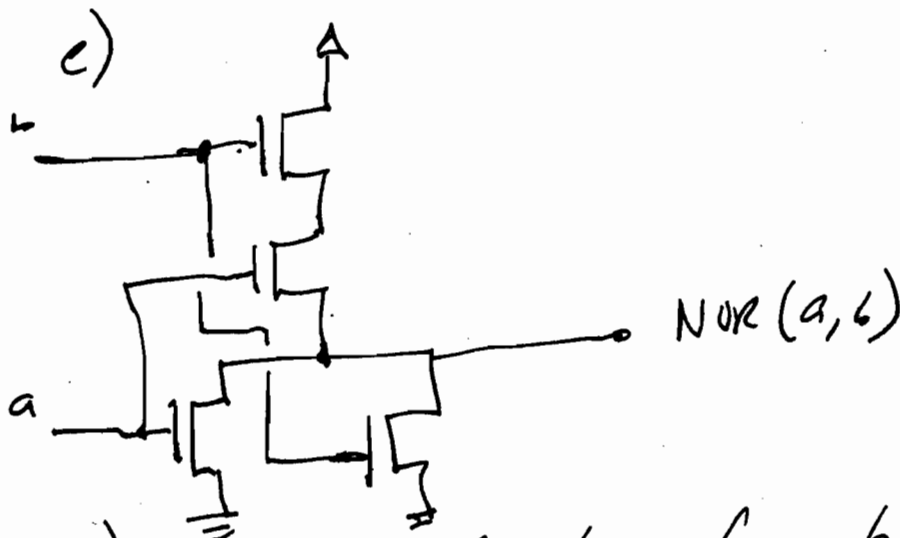
a)

x	y	XOR(x,y)
0	0	0
0	1	1
1	0	1
1	1	0

b) $XOR(x,y) = x\bar{y} + \bar{x}y$



d) each gate in c would be three gates, so 6T.



f) Either do the obvious from b) or better:

