

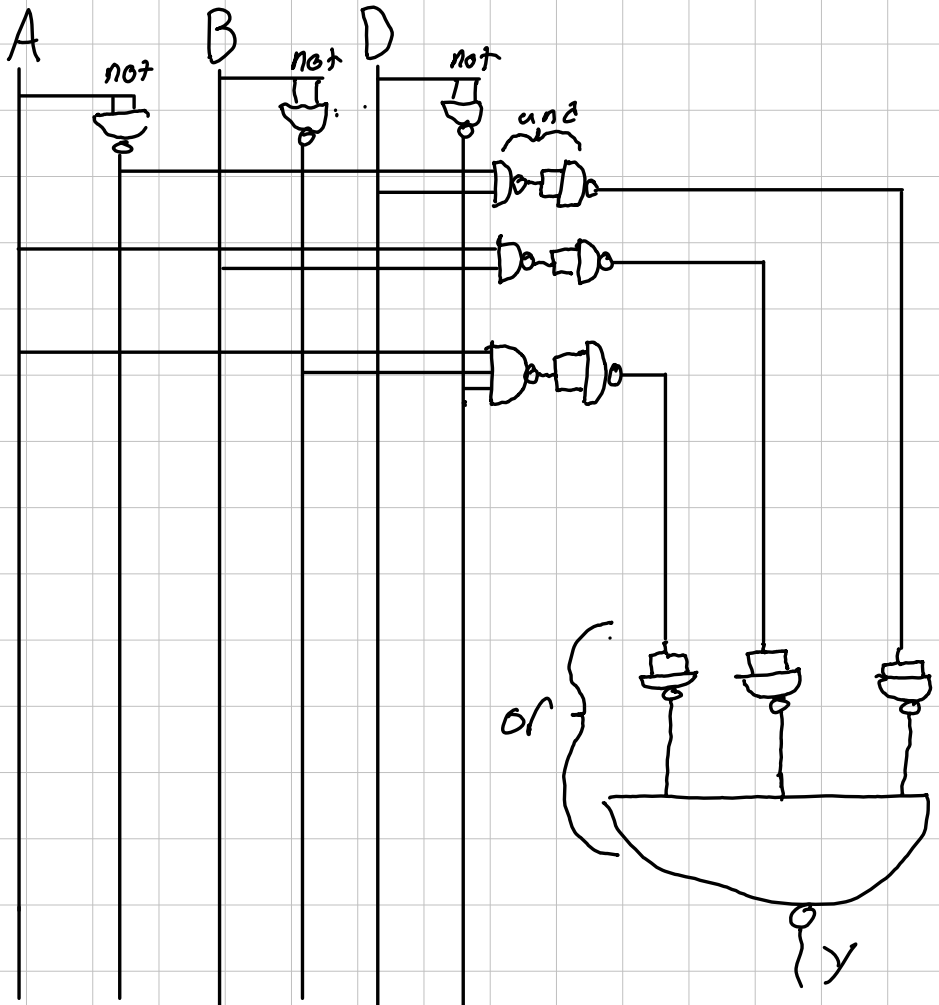
# NAND


$$Y = \bar{A}D + AB + A\bar{B}\bar{D}$$

$$Y = \overline{\bar{\bar{A}}D} + \overline{\bar{A}\bar{B}} + \overline{\overline{A\bar{B}\bar{D}}}$$

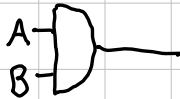
See  
conv $\rightarrow$

$$Y = \overline{\overline{\bar{A}}D} \quad \overline{\bar{A}\bar{B}} \quad \overline{\overline{A\bar{B}\bar{D}}}$$

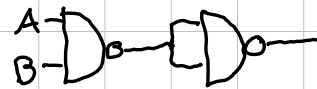
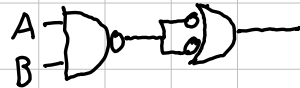


$$\overline{A} = \overline{(A, A)}$$


$$AB = \overline{(\overline{A, B})}$$



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$$A+B = \overline{\overline{A} \overline{B}}$$

