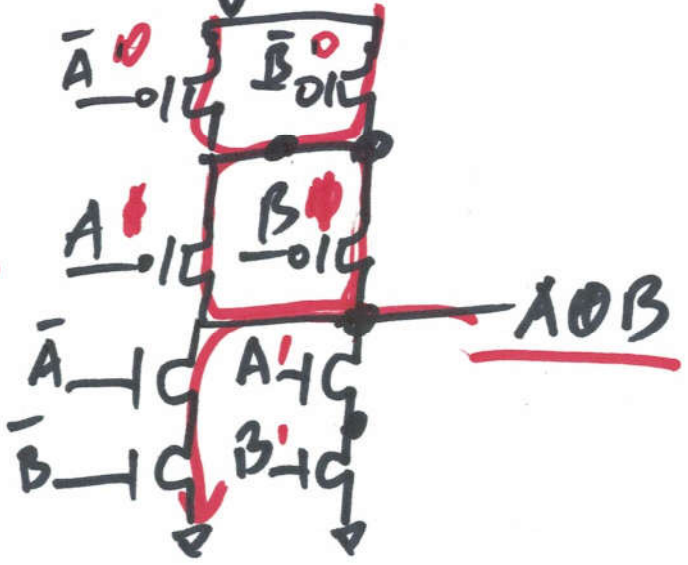
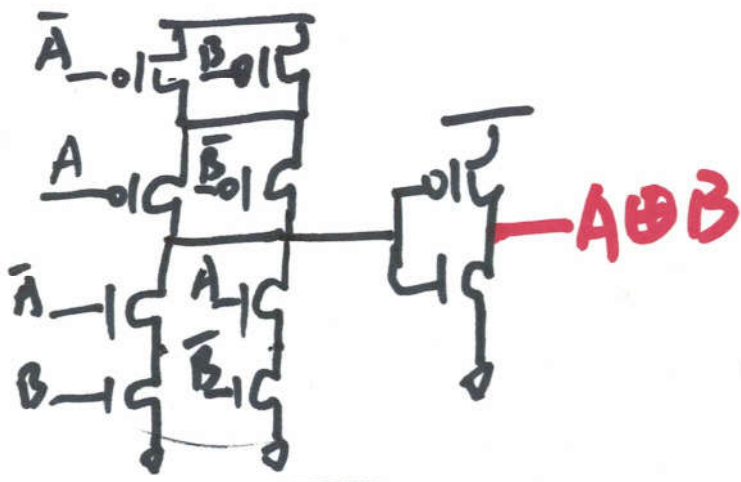


More Stick Diagrams

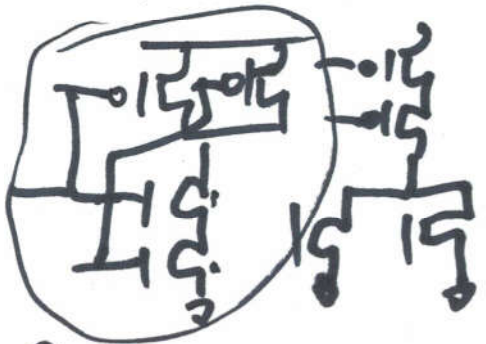
$$A \oplus B = \overline{A}B + A\overline{B} = \overline{A \odot B} = \overline{\overline{A}B + A\overline{B}}$$

↓ AOI logic

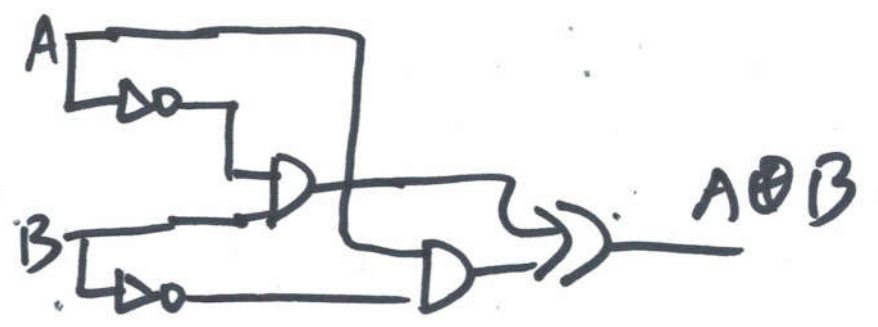
↓ AOI

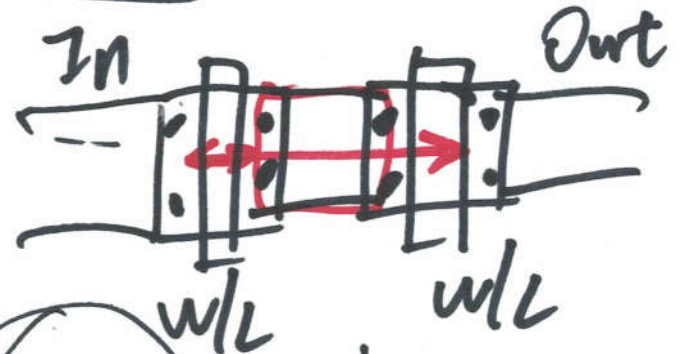
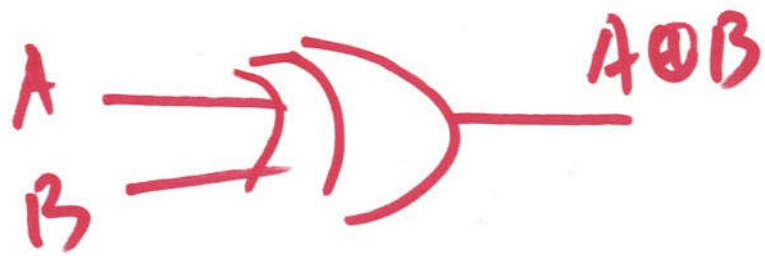
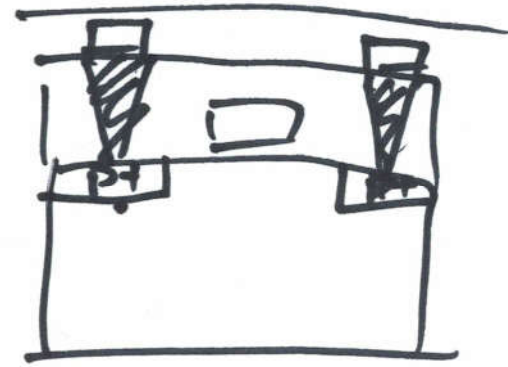
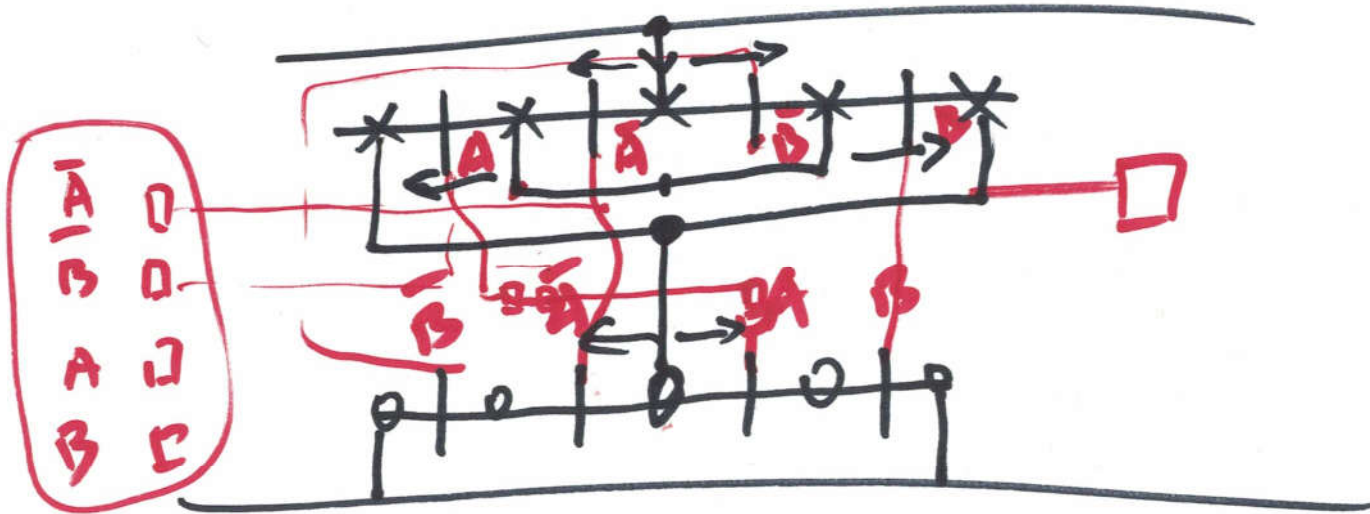


$\overline{A \oplus B}$ $\overline{A \odot B}$



A	B	$A \oplus B$
0	0	0
0	1	1
1	0	1
1	1	0





(2)

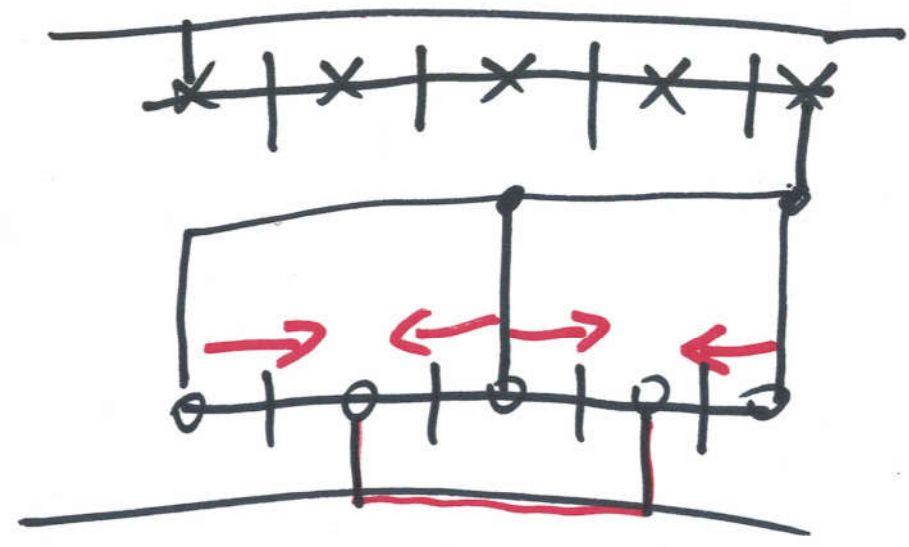
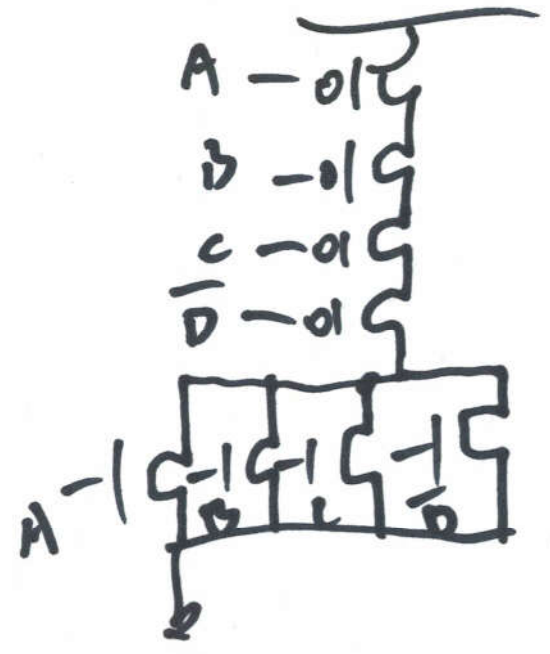
Examples:

$$Y = \overline{(A+B+C)} \cdot D$$

$$= \overline{\overline{(A+B+C)} \cdot D}$$

$$= \overline{(A+B+C) + \bar{D}}$$

$$= A + B + C + \bar{D}$$



③

Example:

$$Y = (A+B+C) \cdot D$$

