XOR

Truth Table

1	A	B	autent
	0	0	0
	0	<i>H</i>	A tracky
ļ	(/	0	1
	,)		\bigcap
L		1	

=
$$\overline{AB}$$
. \overline{AB} [demonganis law]

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

$$= \overline{(A+B)}(\overline{A}+B) - \overline{(\overline{A}+B)}$$

Shematic diagram:

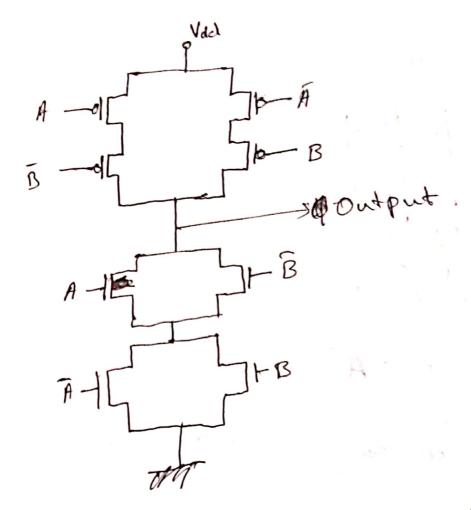


Fig: Drawn YOR using eyn ()

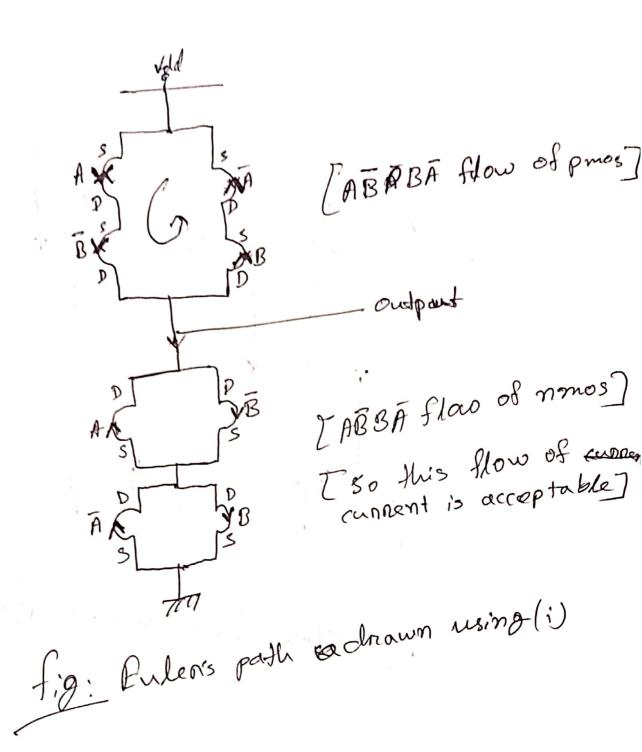


Fig: Stick diagram of XOR