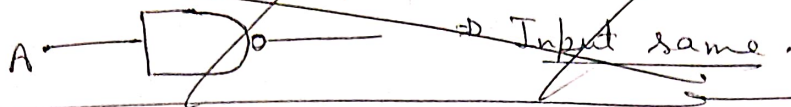


Assignment 1

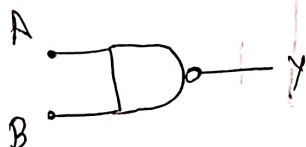
M-1 :-

1.



Assignment 1

M-1 :-



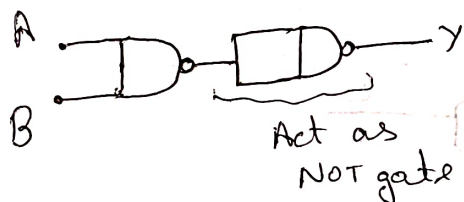
(a)



\Rightarrow Input same

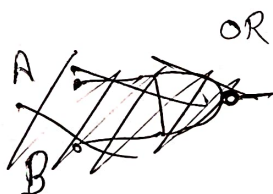
\hookrightarrow then become 'NOT' gate.

(b)



\Rightarrow Then becomes 'AND' gate.

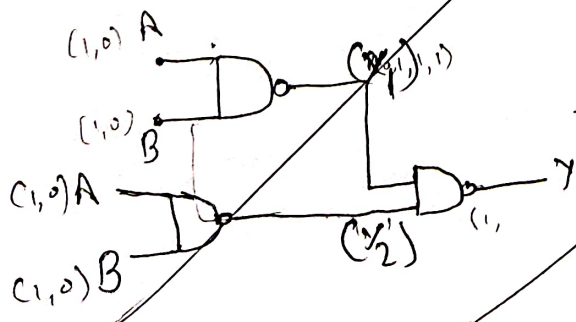
(c)



A	B	Y
0	0	0
1	0	1
0	1	1
1	1	1

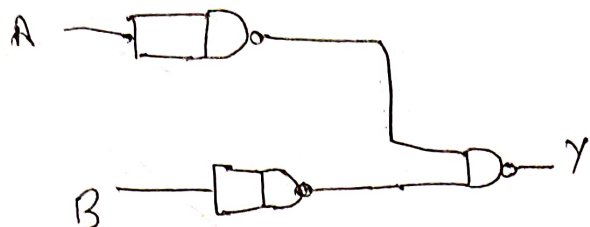
NAND :-

A	B	Y
0	0	1
1	0	1
0	1	1
1	1	0



A	B	Y_1	Y_2	Y
0	0	0	0	0
1	0	0	0	1
0	1	0	0	1
1	1	0	0	1

(c)



A	B	Y
0	0	0
1	0	1
0	1	1
1	1	1

M-2

(a)

A	B	S	C
0	1	1	0
1	0	1	0
0	0	0	0
1	1	0	1

(b)

$$C = A \cdot B$$

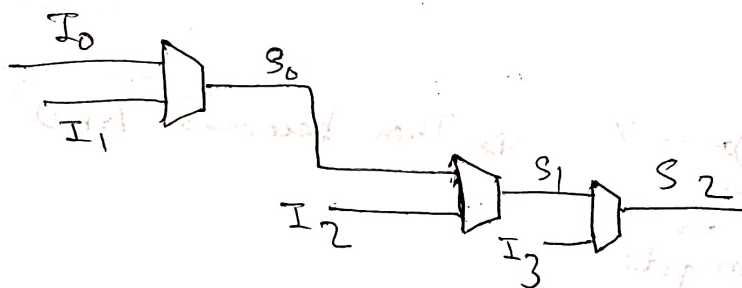
$$S = \bar{A}B + \bar{B}A$$

(c)

For S — XOR

, For C — AND

M-3



M-4