

PORTE A PIU' INGRESSI
 PORTA OR A 3 INGRESSI

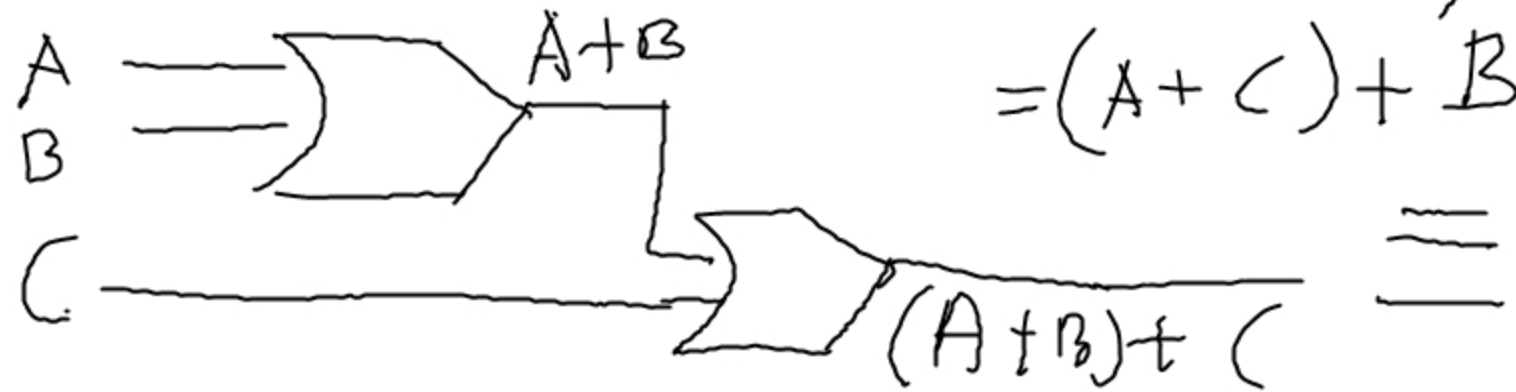
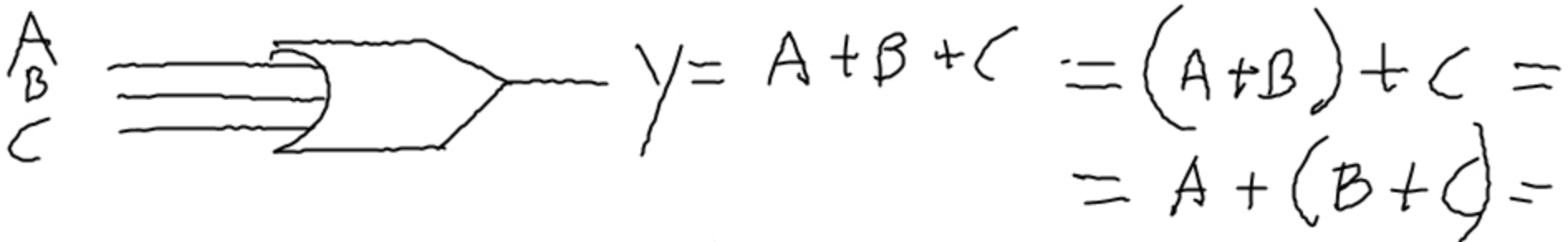
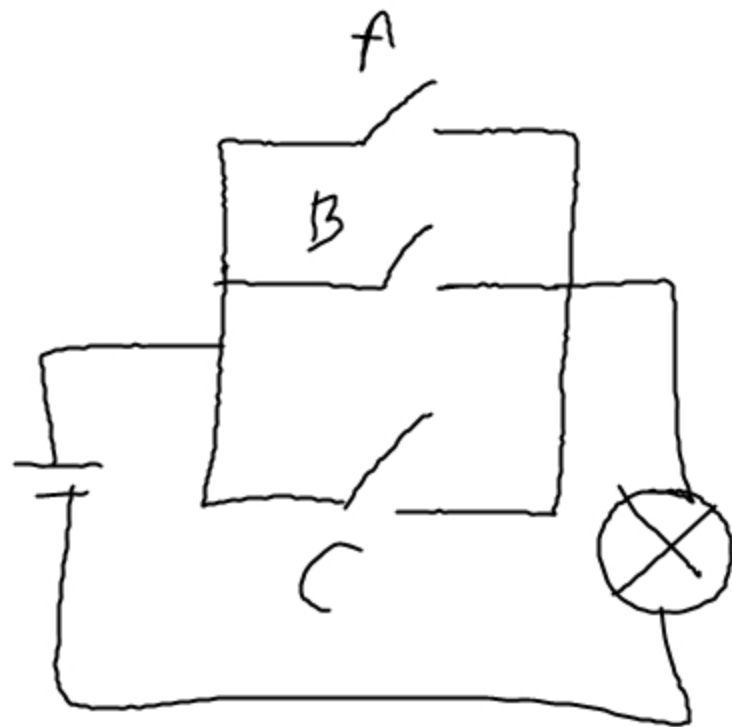


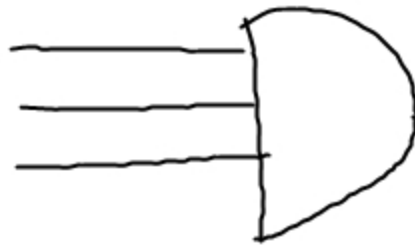
TABELLA DELLA PORTA OR A 3 INGRESSI

C	B	A	$Y = A + B + C$
0	0	0	0
0	0	1	1
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1



AND A TREE INGRESS)

A
B
C



$$y = A \cdot B \cdot C =$$

$$= A(B \cdot C) =$$

$$= (A \cdot B) \cdot C =$$

$$= (A \cdot C) \cdot B$$

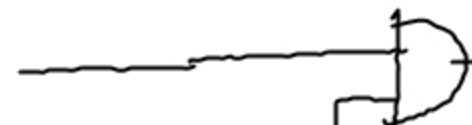
CBA	Y = ABC
000	0
001	0
010	0
011	0
100	0
101	0
110	0
111	1

A
B
C



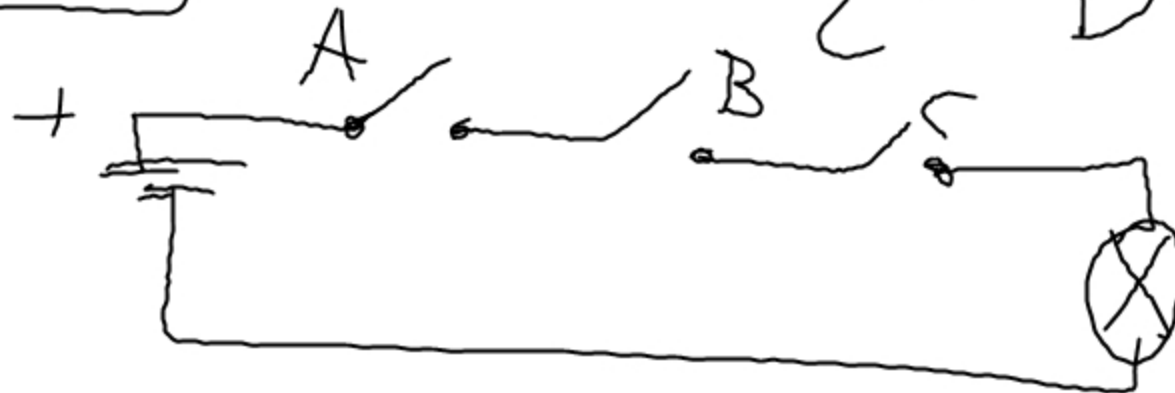
$$y = (A \cdot B) \cdot C$$

A

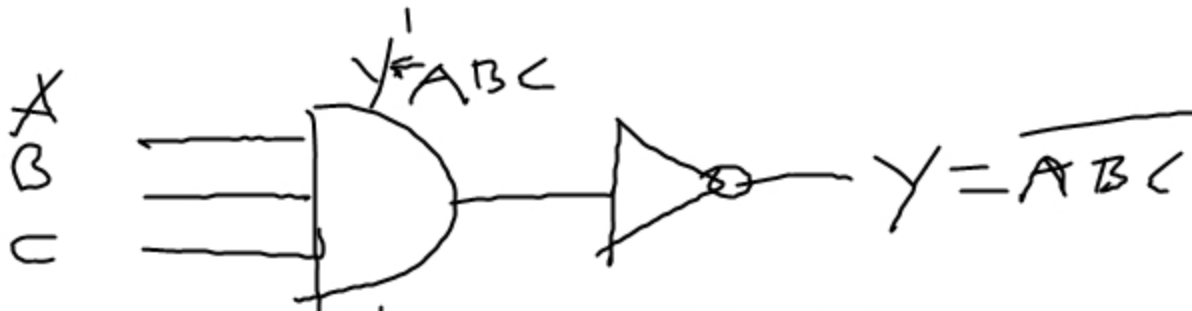


$$y = A \cdot (B \cdot C)$$

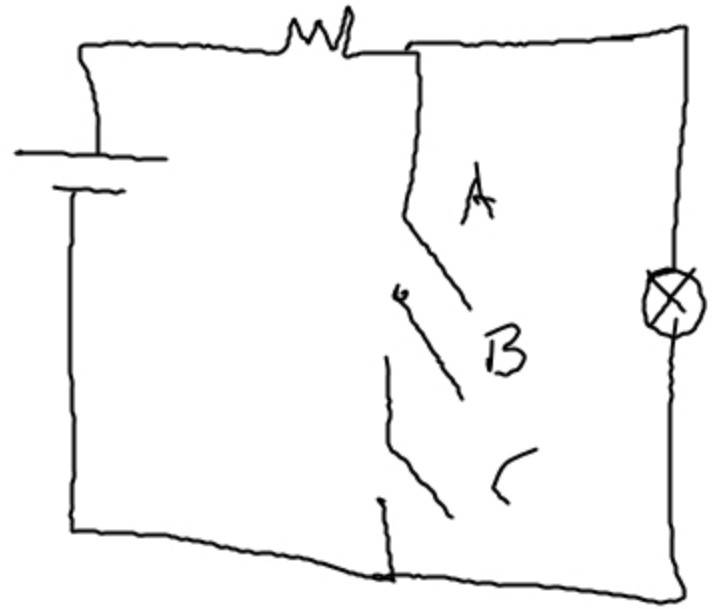
B



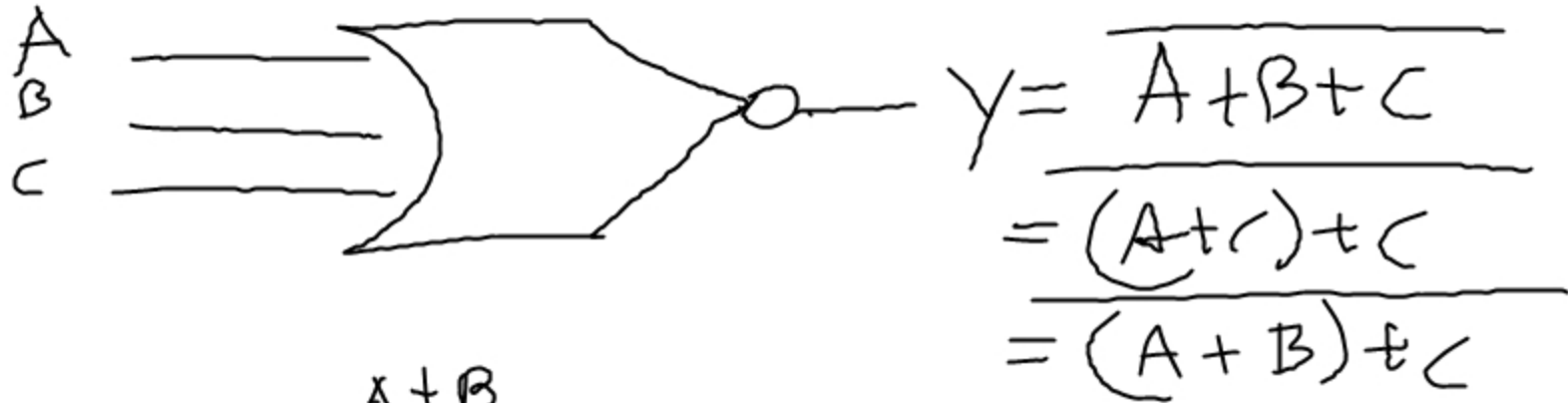
PORTA NAND A 3 INGRESSI



C	B	A	$Y = \overline{A \cdot B \cdot C}$	$Y = \overline{\overline{A \cdot B \cdot C}}$
0	0	0	0	
0	0	1	0	
0	1	0	0	
0	1	1	0	
1	0	0	0	
1	0	1	0	
1	1	0	0	
1	1	1	1	0



PORTA NOR o Tre ingressi



C	B	A	$Y = A+B+C$	$Y = \overline{A+B+C}$
0	0	0	0	1
0	0	1	1	0
0	1	0	1	0
0	1	1	1	0
1	0	0	1	0
1	0	1	1	0
1	1	0	1	0
1	1	1	1	0

