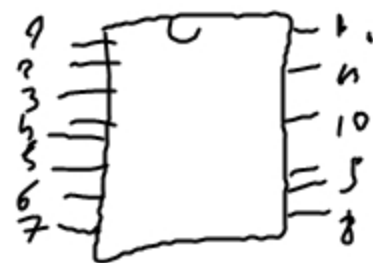
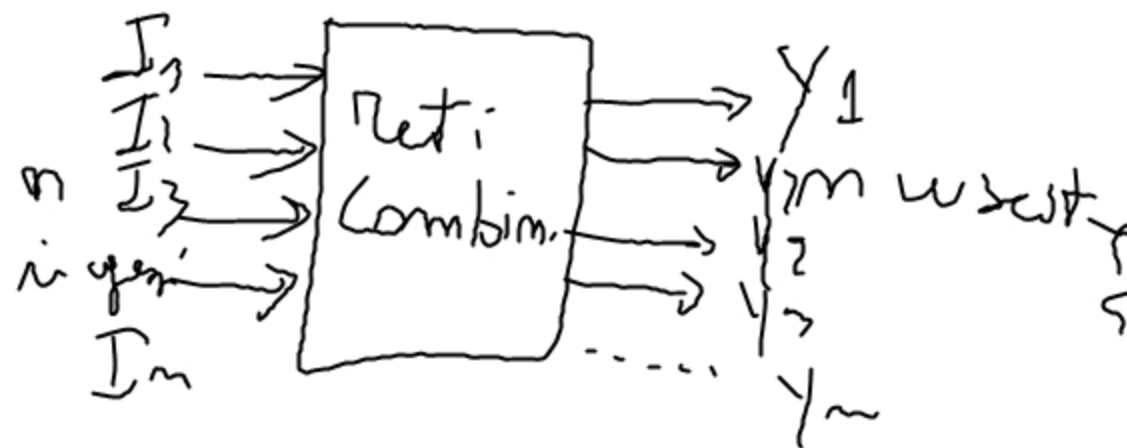


RETI COMBINATORIE



$$Y = f(I_1, I_2, \dots, I_n)$$

FUNZIONE DI COMMUTAZIONE

40XXX CMOS
 COMPLETELY BINARY MOSFET
 54XXX MILITARY
 74XXX COMMERCIAL
 $V = 0 \div 5V$

PORTE LOGICHE FONDAMENTALI



Tabella delle
verità

A	Y = \bar{A}
0	1
1	0

PORTA AND



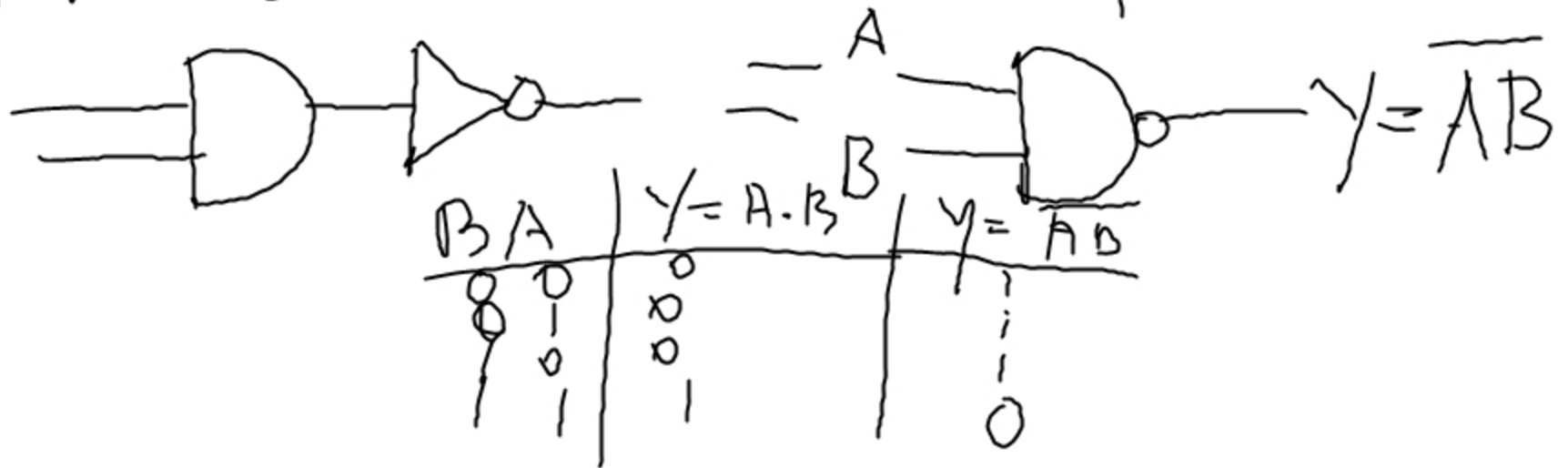
B	A	Y = A · B
0	0	0
0	1	0
1	0	0
1	1	1

PORTA OR

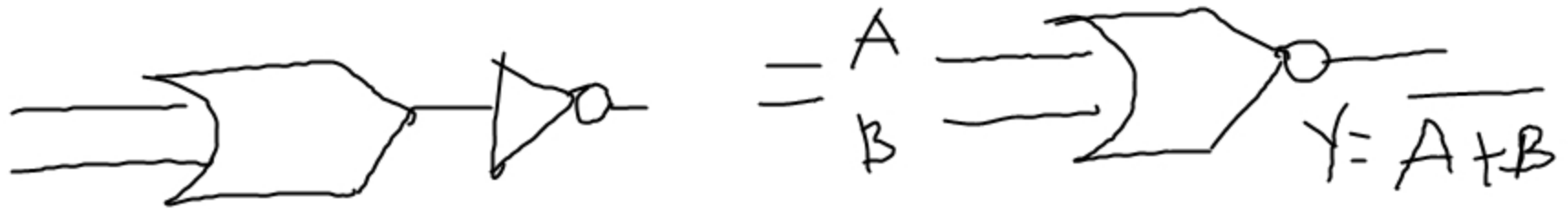


B	A	$Y = A + B$
0	0	0
0	1	1
1	0	1
1	1	1

PORTA DE RIUNTA NAND



PORTA NOR



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

