

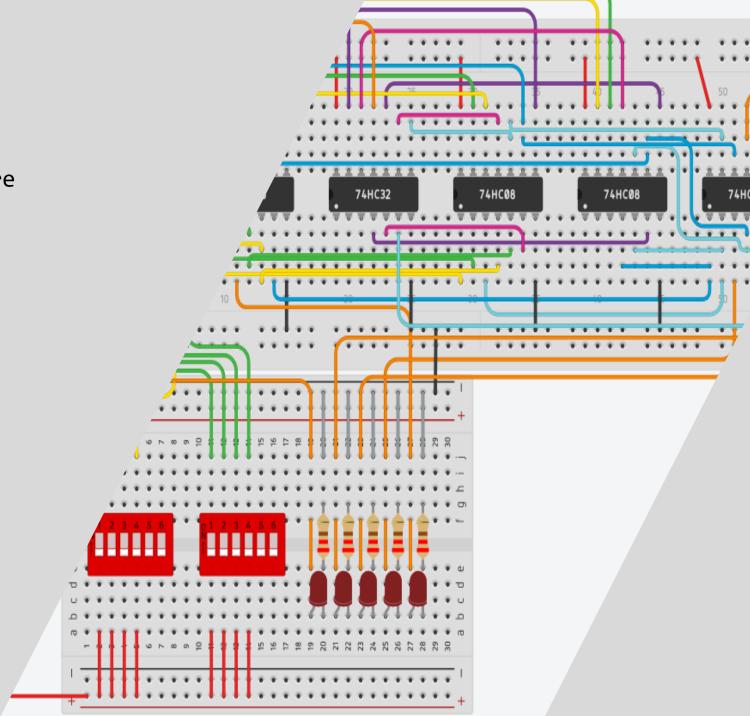
## Strumenti e materiali

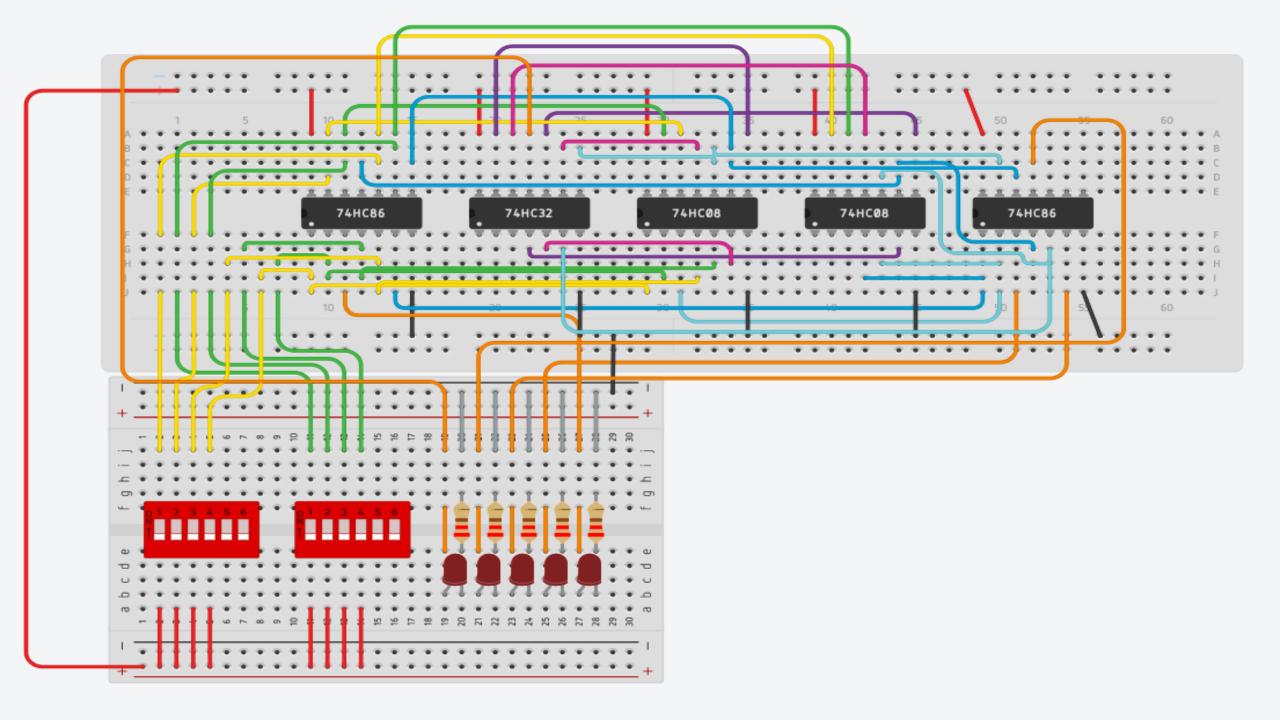
- -Jumper
- -Integrato 7408 (AND) x2
- -Integrato 7486 (XOR) x2
- -Integrato 7432 (OR)
- -Breadboard
- -Led
- -Interruttori
- -Alimentatore da banco (S:10mV P:30V)

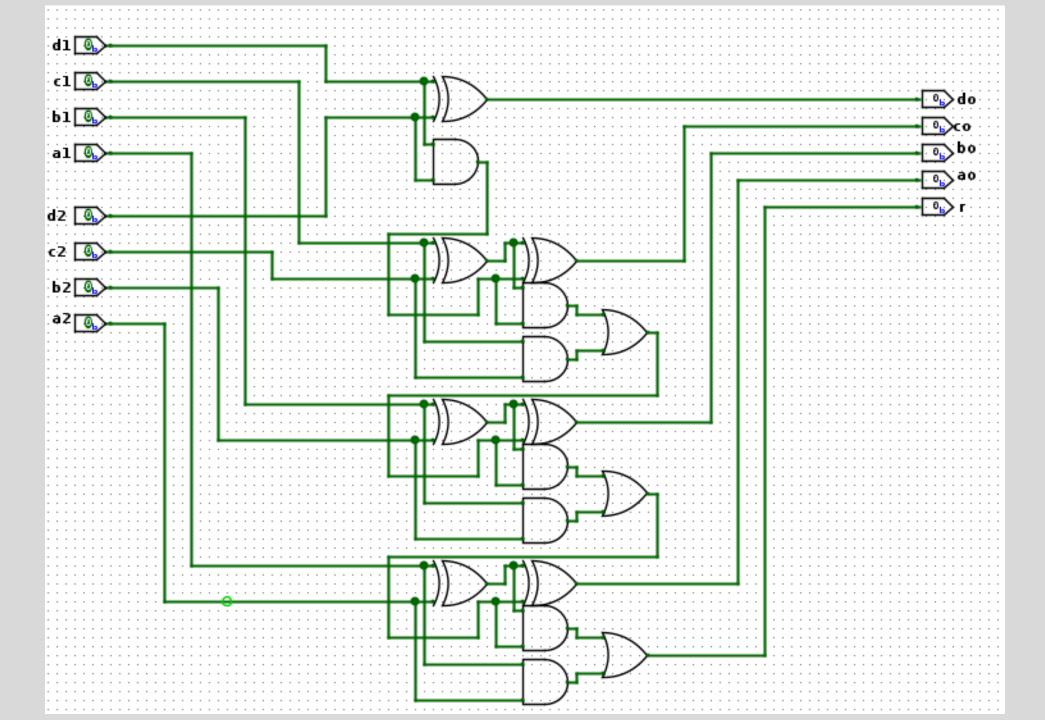


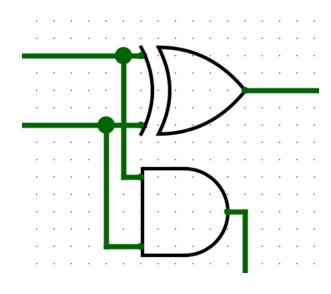
## Scopo del Circuito

Il circuito rappresenta un sommatore parallelo a 4 bit





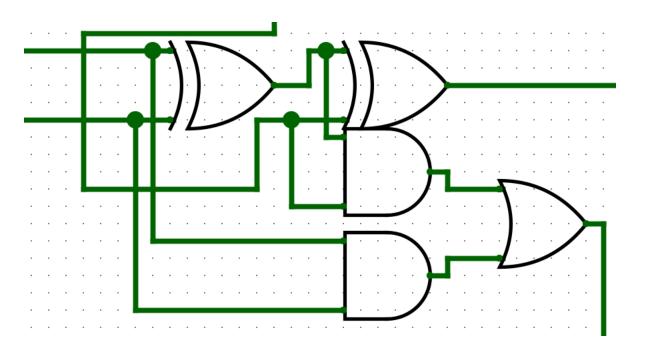




Α	В	Y	R
0	0	0	0
0	1	1	0
1	0	1	0
1	1	0	1

Y=A'B+AB'

R=AB



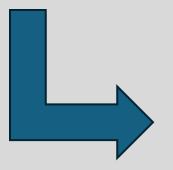
A	В	С	Y	R
0	0	0	0	0
0	0	1	1	0
0	1	0	1	0
0	1	1	0	1
1	0	0	1	0
1	0	1	0	1
1	1	0	0	1
1	1	1	1	1

Y=C(A'B'+AB)+C'(A'B+AB')

R=AB+BC+AC

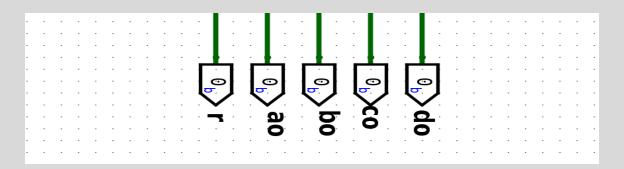
## Input

## Output



output	equazione
do	$d_1'd_2+d_1d_2'$
СО	$r_d(c_1'c_2'+c_1c_2)+r_d'(c_1'c_2+c_1c_2')$
bo	$r_c(b_1'b_2'+b_1b_2)+r_c'(b_1'b_2+b_1b_2')$
ao	r <sub>b</sub> (a <sub>1</sub> 'a <sub>2</sub> '+a <sub>1</sub> a <sub>2</sub> )+r <sub>b</sub> '(a <sub>1</sub> 'a <sub>2</sub> +a <sub>1</sub> a <sub>2</sub> ')
r	$a_1a_2+a_2r_b+a_1r_b$





Bps->0 0 0 0<-Bms

