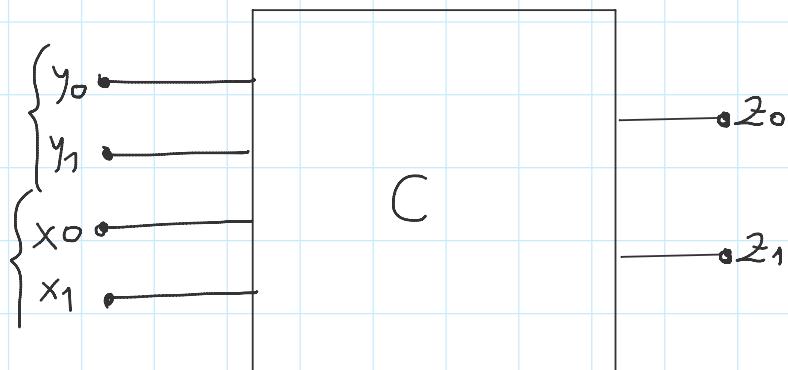


3. Esercizio 6 aprile

lunedì 6 aprile 2020

19:34

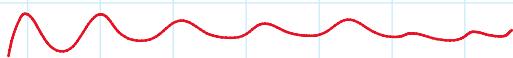


circuito comparatore

$$z_1 z_0 = \left[\frac{y_1 y_0}{x_1 x_0} \right] \quad \text{es. } y_1 y_0 = 11 \text{ (3)} \\ x_1 x_0 = 10 \text{ (2)}$$

$$z_1 z_0 = \left[\frac{3}{2} \right] = [1,5] = 2 \Rightarrow 10 \text{ binario}$$

$$\text{es. } x_1 x_0 = 00 \Rightarrow z_1 z_0 = XX$$



IMPLICANTI

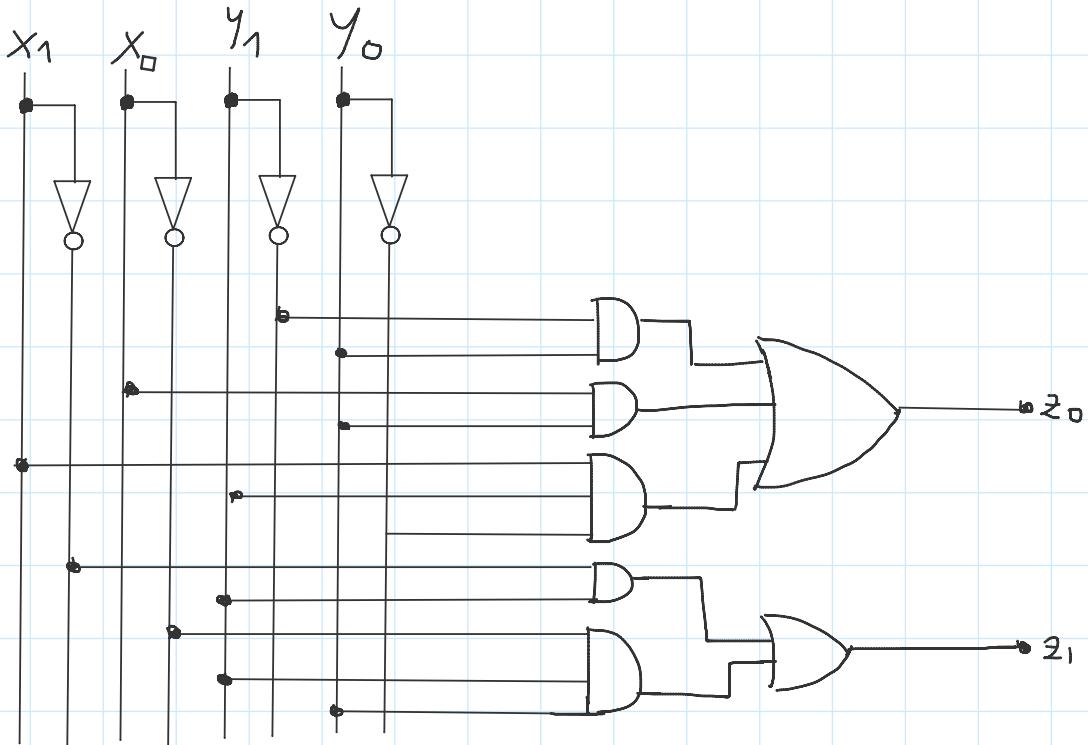
	$y_1 y_0$	00	01	11	10
$x_1 x_0$	X	X	X	X	
00	X	X			
01			1	1	
11					
10			1		

$$z_1 = P_4 + P_5$$

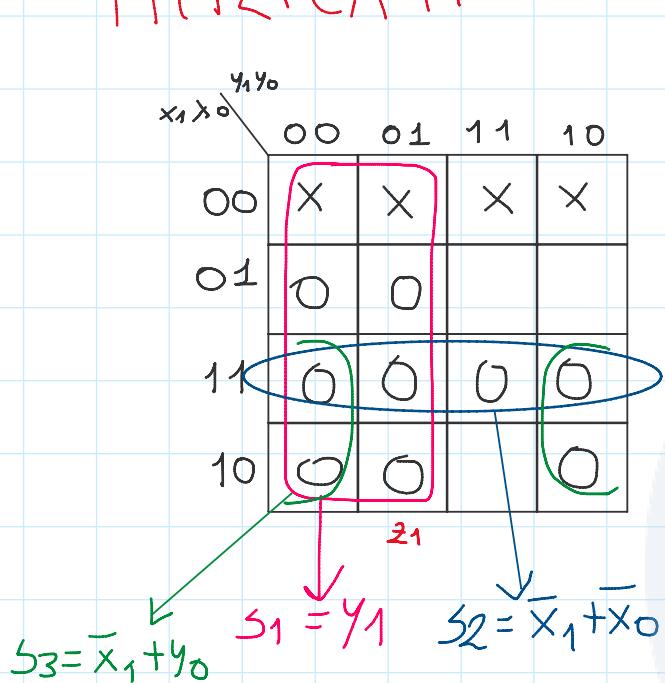
	$y_1 y_0$	00	01	11	10
$x_1 x_0$	X	X	X	X	
00	X	X			
01		1	1		
11		1	1		
10		1			

|

$P_1 = \bar{y}_0 y_1$
 $P_2 = x_0 y_0$
 $P_3 = x_1 y_1 \bar{y}_0$
 $z_0 = P_1 + P_2 + P_3$



IMPLICATI



$$z_1 = S_1 \cdot S_2 \cdot S_3 = y_1 (\bar{x}_1 + \bar{x}_0) (\bar{x}_1 + y_0)$$

