Celula Sumatoane (FAC)

$$2; = x; \oplus Y; \oplus C;$$

 $C_{i+1} = x'; Y_i + x'; C_i + Y; C_i$
 $a \oplus b = ab + ab$
 $\Rightarrow do an 2 interior$

$$C_{im} = C_{o} = O$$

$$FAC : \begin{cases} 20^{5} \times . & \text{ for } 7_{5} \text{ for } 0 = x_{5} \text{ for } 7_{5} \text{$$

j ANS

CMOS

NAND - S cea mon efectenta + vitega

NOP

Calea critica

Source points primitive interview 1d

AND, NAND

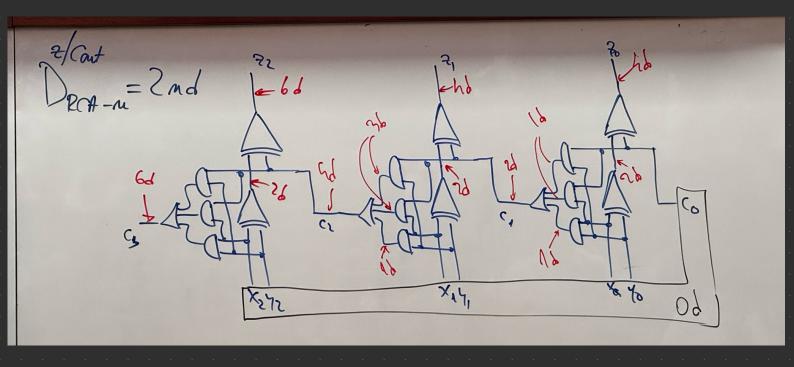
OR (NOP

NOT

) Od

EXOR

2 d



	7;		· · · · · · · · · · · · · · · · · · ·	D) forme
		0		
		1 de 1		1
0				
0		1	<i>O</i>	
(1	1	0		1

I, : (A(B)) - C = A C (B) BC $I_2 = A(E)B = (A+B)(E) AB$ $A+B=A\oplus B\oplus AB$ X (+) 1 = X

Zero

Megotive 2m-1 7

Adunarea cu o constanta

o de considera constante impare

$$f_{i} = 0$$

$$\begin{cases}
2i = x_{i} \oplus C_{i} \\
C_{i+1} = x_{i} C_{i}
\end{cases}$$

$$C_{i+1}$$

$$C_{i+1}$$

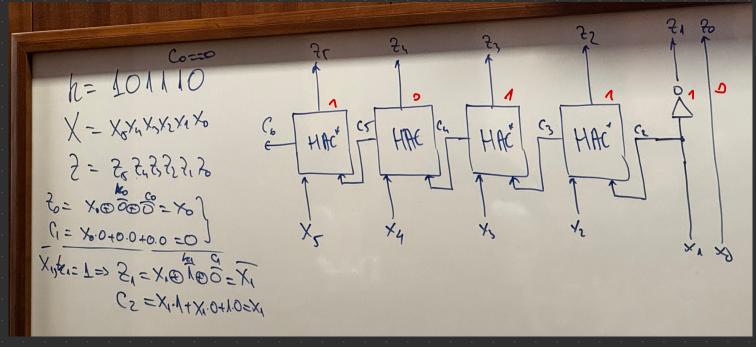
$$C_{i+1}$$

$$C_{i+1}$$

$$C_{i+1}$$

Z = X+ y

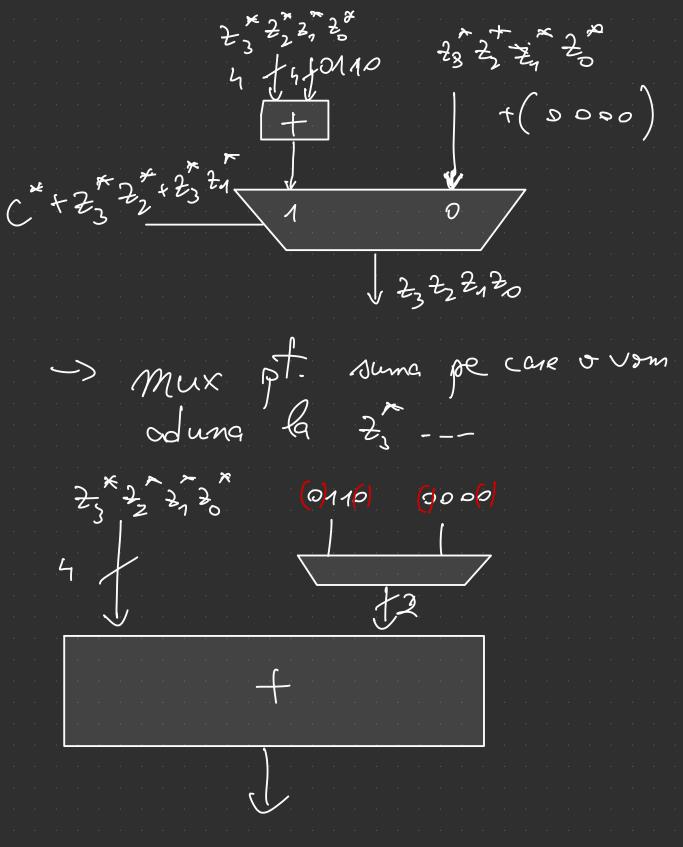
$$\frac{1}{20} = \frac{1}{20} = \frac{1}{20}$$



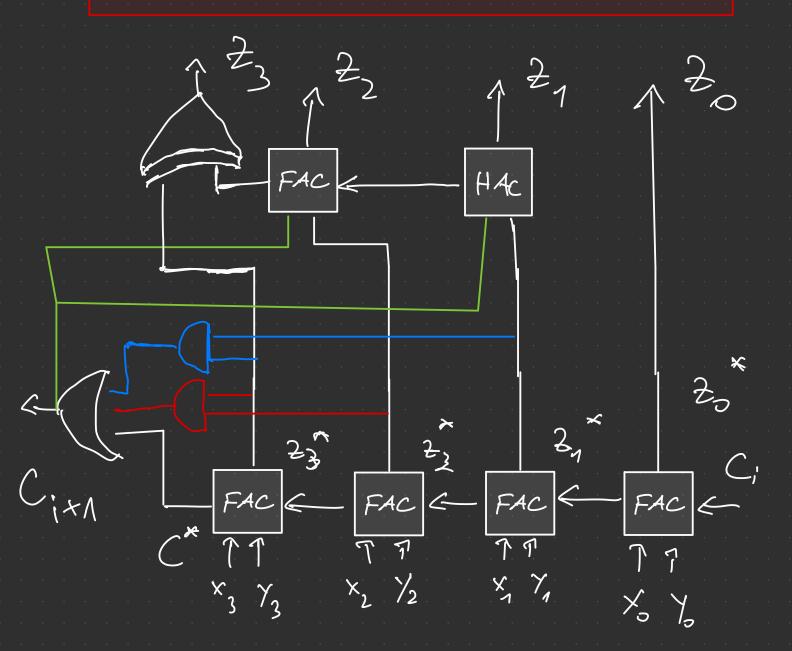
Adumane BCJ

$$X_{i} + Y_{i} < \frac{2}{C_{i+1}}$$
 Using Sumo
 $C_{i+1} < C_{ony}$
 $X_{i} + Y_{i} < 10$
 $X_{i} + Y_{i} < 10$
 $X_{i} + Y_{i} > 10$
 $X_{i} + Y_{i} > 10$
 $X_{i} + Y_{i} = 1$

correction



1 SIGIT BCS ASSER



Exces de 3

$$X_i = BCD$$
 $X_i = E \times ces de 3$
 $X_i = X_i + 3$

