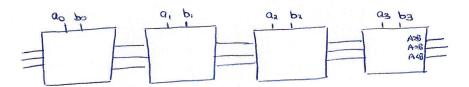
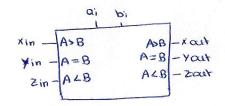


Comparador para o palavras A,B den bits solução do hipo iterativo





Entradou → Nin, Yin, Zin, Oi, bi Saidos → Kout, Yout, Zout

A entrade y in éthatade separadonnente

biti bit i+1  $a_i=b_i$  sei  $a_{i+1}>b_{i+1} \longrightarrow A>B$   $a_{i+1}=b_{i+1} \longrightarrow A=B$   $a_{i+1}\neq b_{i+1} \longrightarrow A \in B$ 

airly birt  $\rightarrow A > B$ airly birt  $\rightarrow A > B$ airly birt  $\rightarrow A > B$ airly birt  $\rightarrow A > B$ airly birt  $\rightarrow A < B$ airly birt  $\rightarrow A > B$ airly birt  $\rightarrow A > B$ airly birt  $\rightarrow A < B$ airly birt  $\rightarrow A < B$ airly birt  $\rightarrow A < B$ 

Quando Yin=0, significo que os bits menos significativos são diferentes e ai e b = 0 ,000 iguais

La your = 0

Quando yin=1, significa que os bits menos significatios sos ignois e aie bi=0

Layout= 2

yaxt=Yinai'bi + Yinaibi = Yin(aibi + aibi) = Yin(ai⊕bi)'

0 61	(a@b)	(a@b)
00	0	1
00	1	0
10	1	0
11	0	12

Xin Zin ai bi	nout	Zout	
0 0 0 0	0	0	
0001	0	1	
0010	1	0	
0100	0	1	
0110	1	0	
	40.4	- 5 -	
1001	0	1	
10 11	1 -	0	
1100	*	X	Minco
1110	×	X	conse
7 7	^		

Kin	=	1	-	A	>1	В
Zin	=	1	->	A	2	3

Kin	Zin	
0	0	A=B A L B A>B
0	1	ALB
1	0	A>B
A	1	×

reap	025 6	e Ko	uno	ugh
9.00	co_	01	111	10
00	0	0	X	1
01	0	0	x	0
	0	1	X	1

10 1

Nout = Kinbi + aibi + Kinai

Dir.	m-	01	14	10
00	0	1	×	0
+	_	112	×	1
01	1	1	X	0
lo	0	1	×	0
10	0	0	1	1

1 2 1

Zout = aibi +zin di +Zinbi