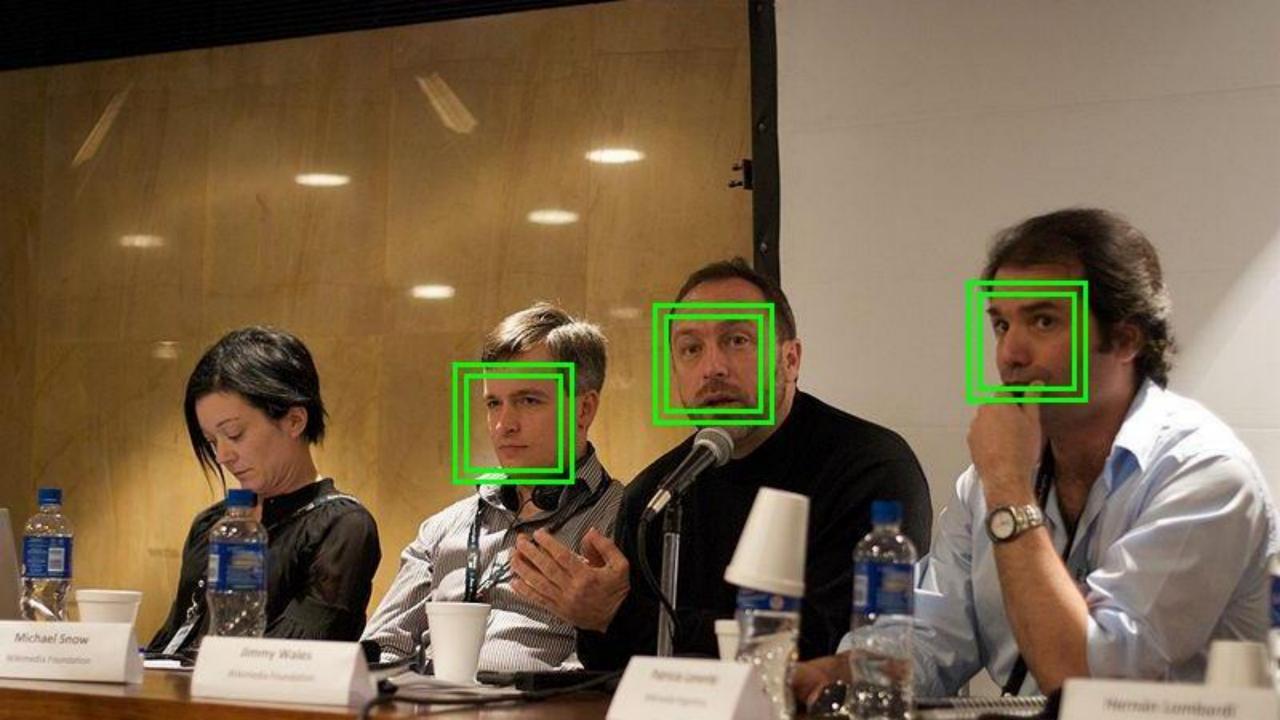
Component Labelling

Count how many?

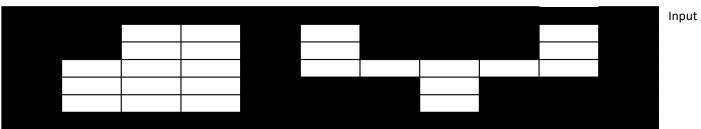


if f(x,y) = 1then Case (4) L(T) # p; L(4) # p Sub case (a) L(T) = L(L)L(P) = L(T) Sub case (b) L(P) = L(L)

Case(1) $L(T) = \phi \quad 4 \quad L(L) = \phi$ L(P) = 'New Label' Case (2) し(T) キダ; し(し) こダ L(P) = L(T)Case (3) L(T) = Ø; L(L) + Ø L(P) = L(L) L(L) = L(T)

Pass 2 only if Subcorse (b) is true. Casa 4 L(T) = L(L) = L(T)1 = 4 = 1 . 2 - 3 - 2 -

Count Labels



Input Image

Pass#01

4551101									
		1	1	2				3	
		1	1	2				3	
	4	4	4	2	2	2	2	2	
	4	4	4			2			
	4	4	4			2			

Same Same

Pass#02

								Output I
	1	1	2				2	
	1	1	2				2	
1	1	1	2	2	2	2	2	
1	1	1			2			
1	1	1			2			

mage