Component Labelling Algorithm (~4)



Foreground = 1 Background =0)

Pass # | Case | D

$$L(L) = \emptyset \quad \Delta \quad L(T) = \emptyset$$

$$L(P) = \text{New}$$

$$Case ②$$

$$2a) L(L) \neq \emptyset \quad \Delta \quad L(T) = \emptyset$$

$$L(P) = L(L)$$

$$2b) L(L) = \emptyset \quad \Delta \quad L(T) \neq \emptyset$$

$$L(P) = L(T)$$

$$3b) L(L) \neq L(T) \neq \emptyset$$