an,m: (1 to n)(1 to m) all elements set to 0

i🡨1

j🡨1

ai,j🡨1

for x🡨2 to (n\*m)

if a(i,j+1)!=0 and a(i+1,j)!=0 and a(i,j-1)!=0

a(i-1,j)🡨x

elseif a(i,j+1)!=0 and a(i+1,j)!=0

a(i,j-1)🡨x

elseif a(i,j+1)!=0

a(i+1,j)🡨x

else

a(i,j+1)🡨x

For Example: