

image blue component

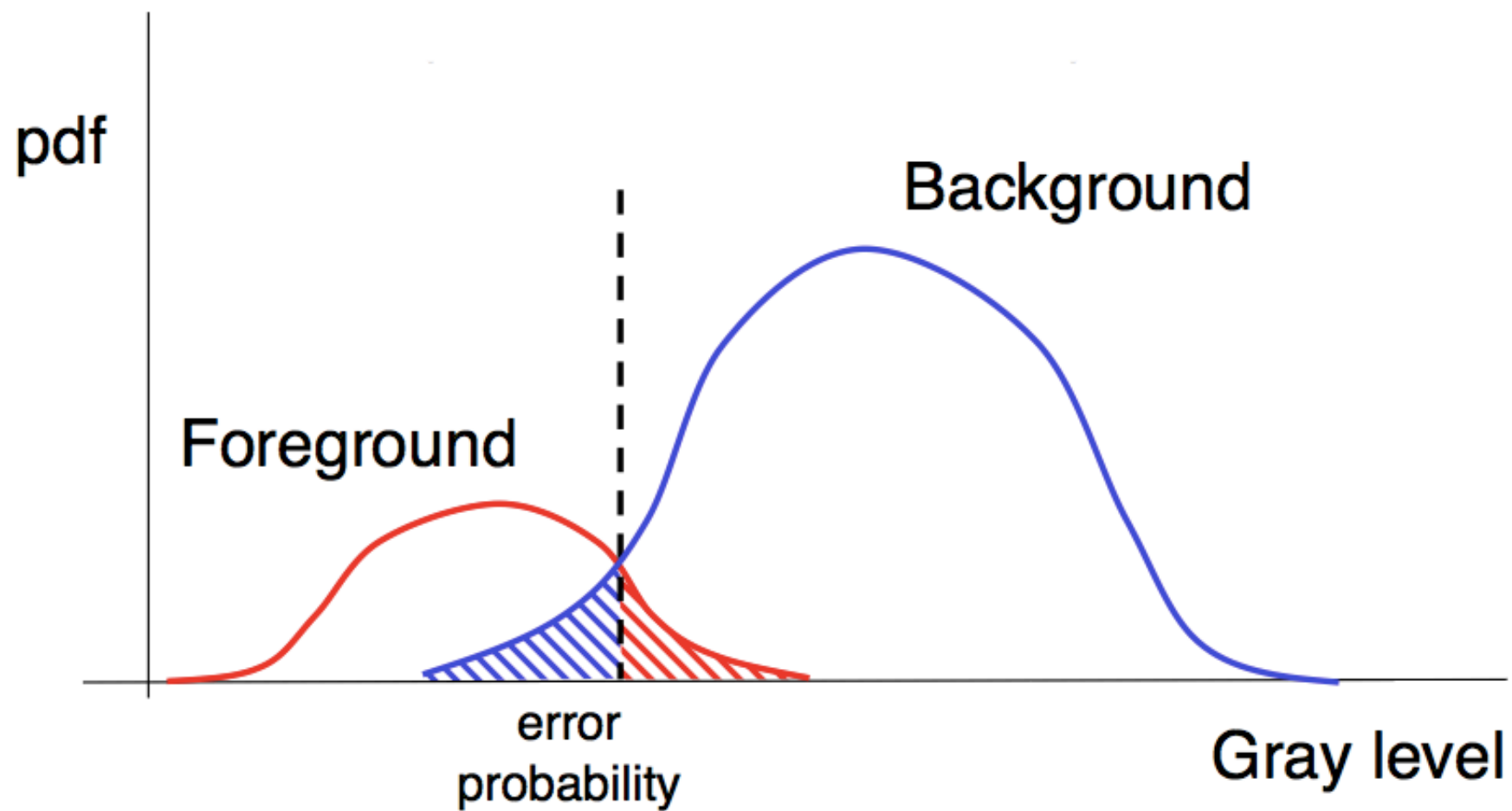
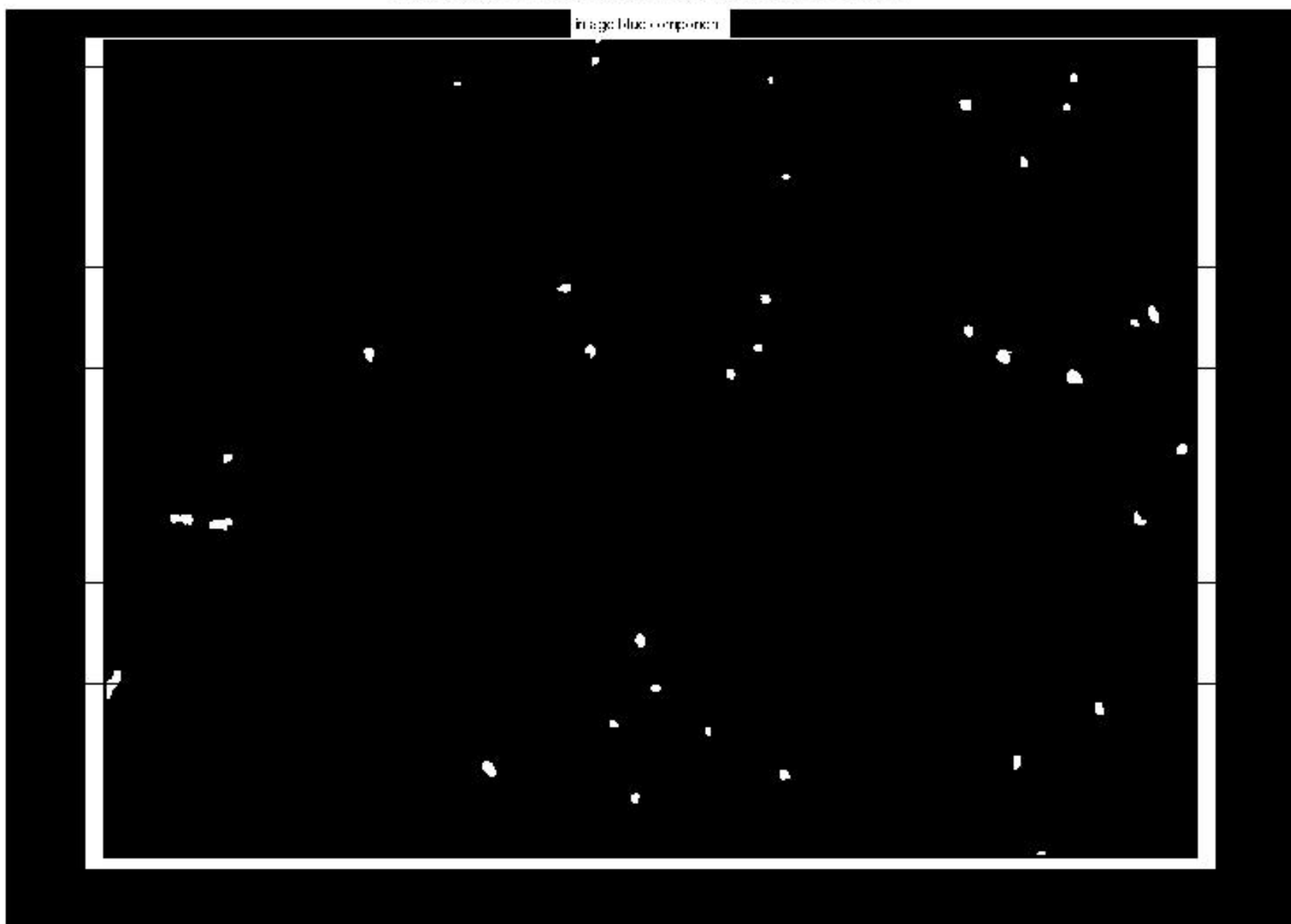


image blue component



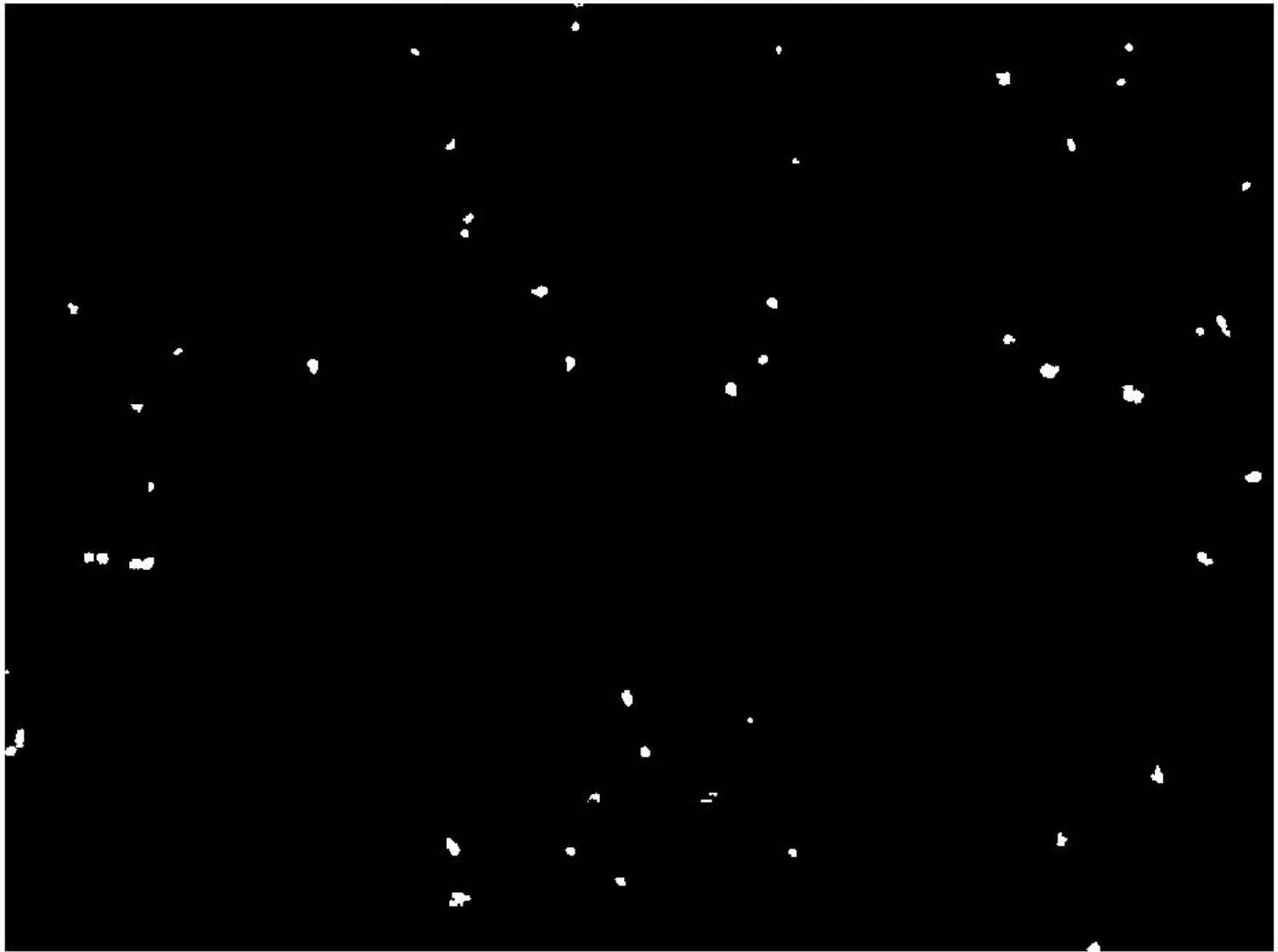
Threshold binarized image with adaptive thresholding



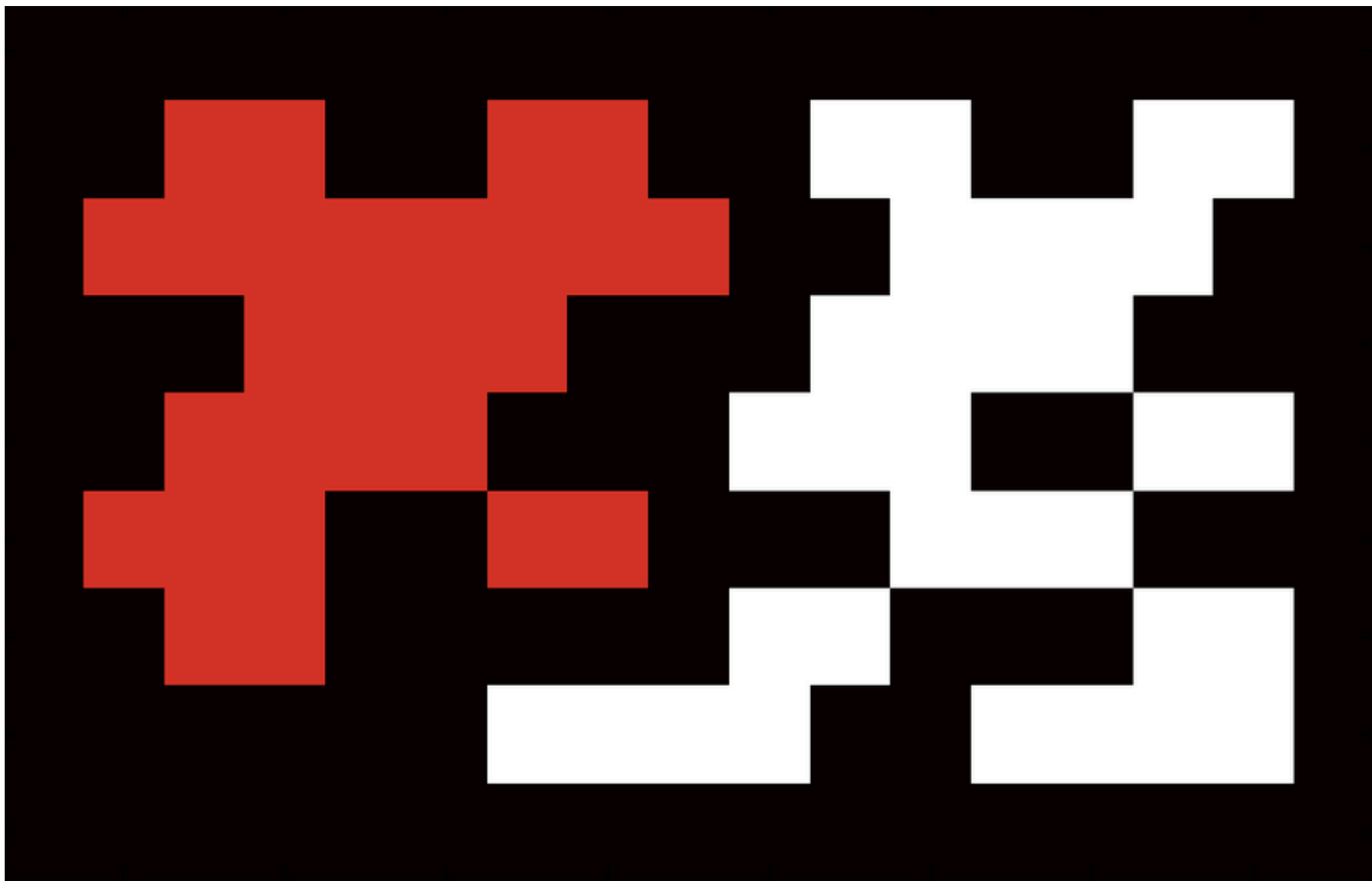
blue component of original image with only non zero components



thresholded binarized image after filtering "salt and Peper noise"

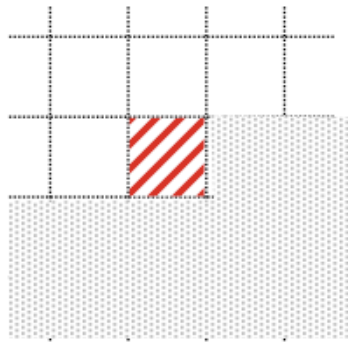


[illegible]

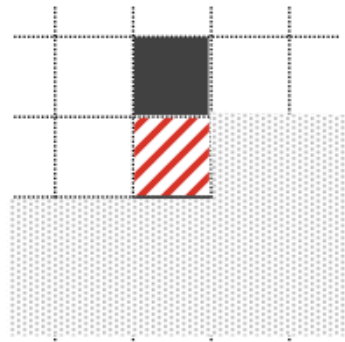




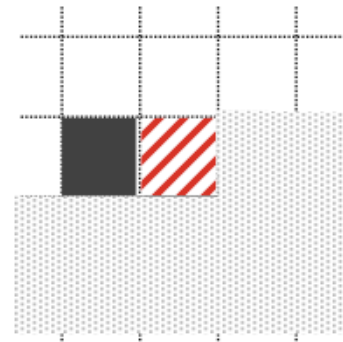
- Loop through all pixels  $f[x,y]$ , left to right, top to bottom
- If  $f[x,y]=0$ , do nothing.
- If  $f[x,y]=1$ , distinguish 4 cases



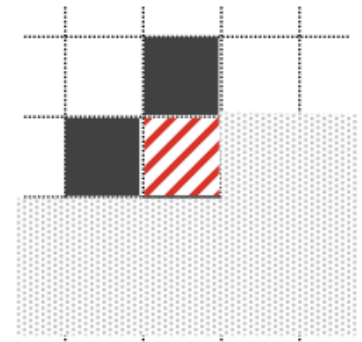
Generate  
new region  
label



Copy label  
from above



Copy label  
from the left

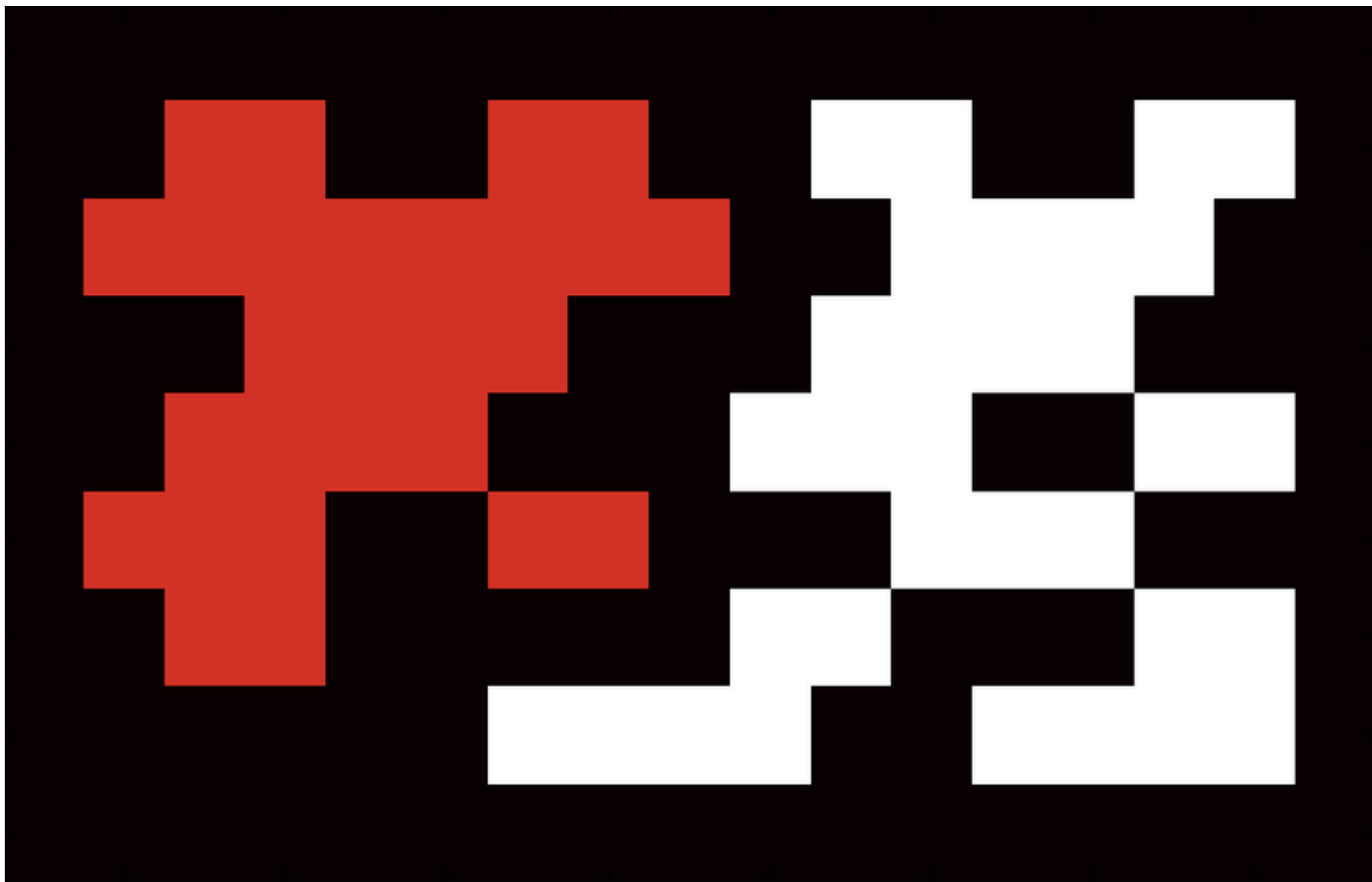


Copy label from the  
left. If labels above  
and to the left  
are different, store  
equivalence.

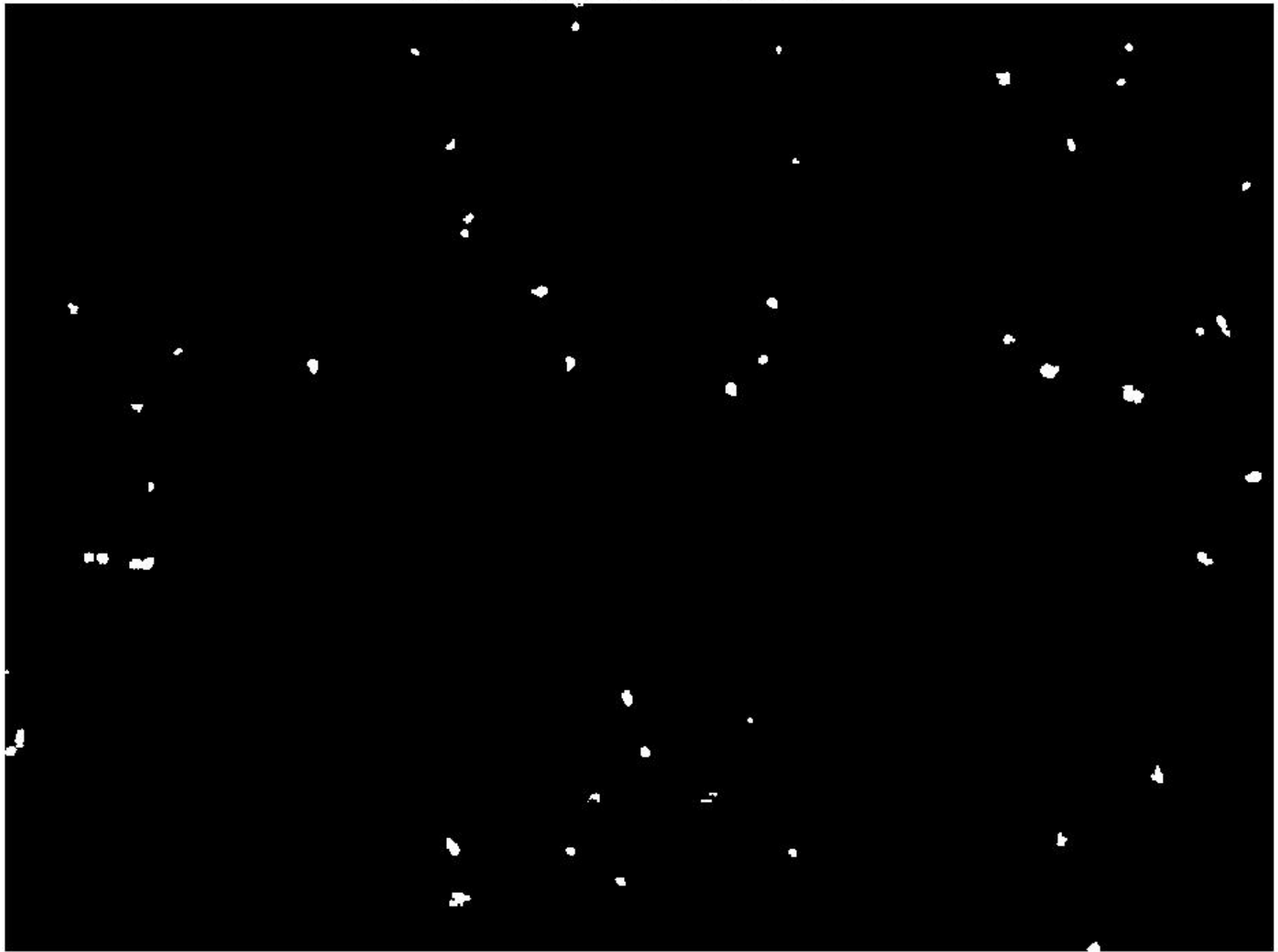
- Second pass through image to replace equivalent label by the same label.

[illegible]

[illegible]



thresholded binarized image after filtering "salt and Peper noise"



Cells marked in red

