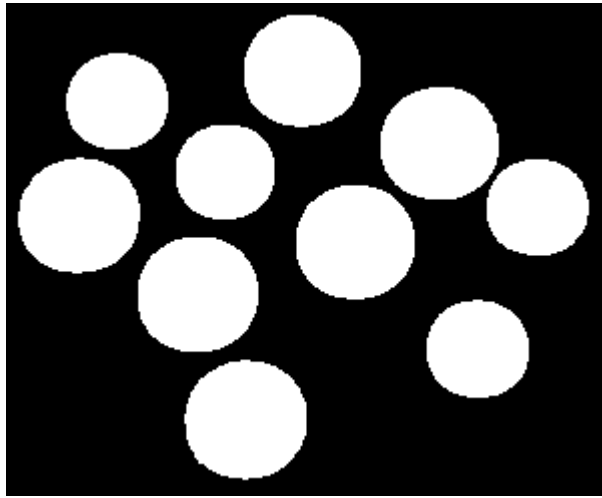


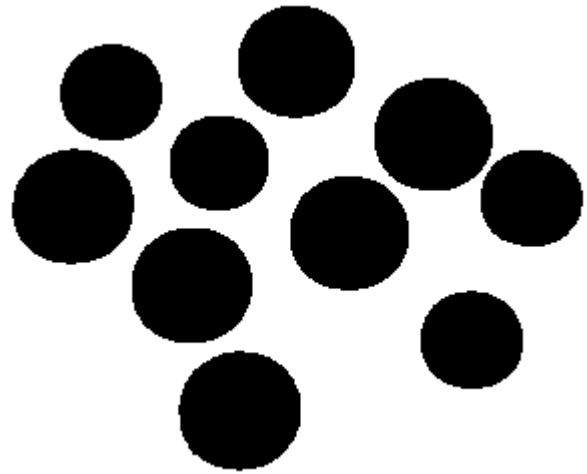
R := READ\_IMAGE("coins.jpg")

Rclean := erode4(dilate8(binarize\_auto(R), 1), 1), 1)



Rclean·255

Rcomp := concomp(Rclean, 8, 0)



Rcomp·255

fea := shape\_features(Rcomp)      Areas := fea<sup><6></sup> =  $\begin{pmatrix} 24344 \\ 49456 \end{pmatrix}$

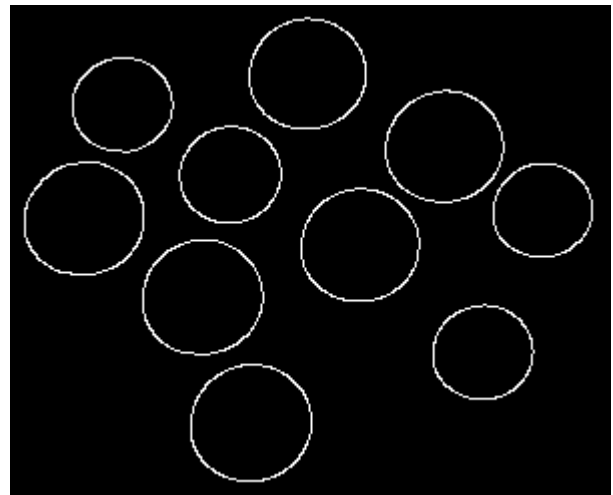
$$\sum \text{Areas} = 73800$$

Ratio\_Area\_dots/Area\_pic :=  $\frac{\text{Areas}_0}{\sum \text{Areas}} = 0.32986$

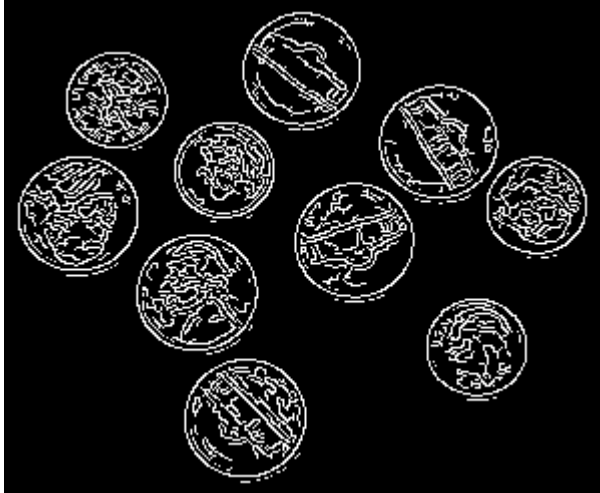
$$\text{rows}(\text{R}) \cdot \text{cols}(\text{R}) = 73800$$



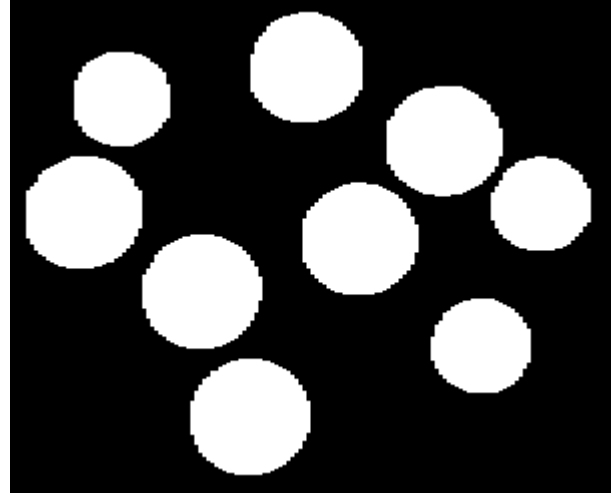
R



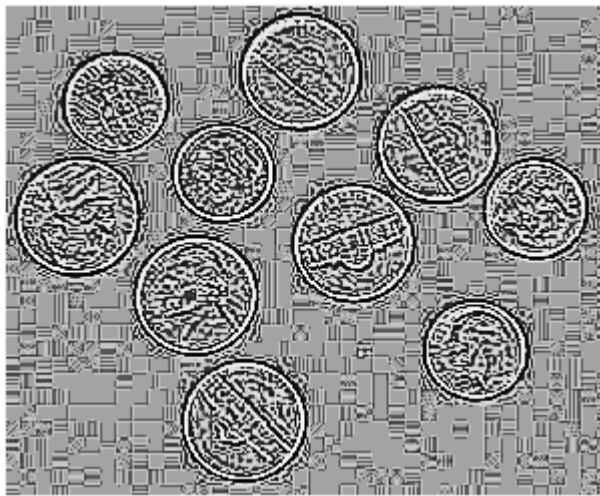
canny(R, 2, 2, 15)·255



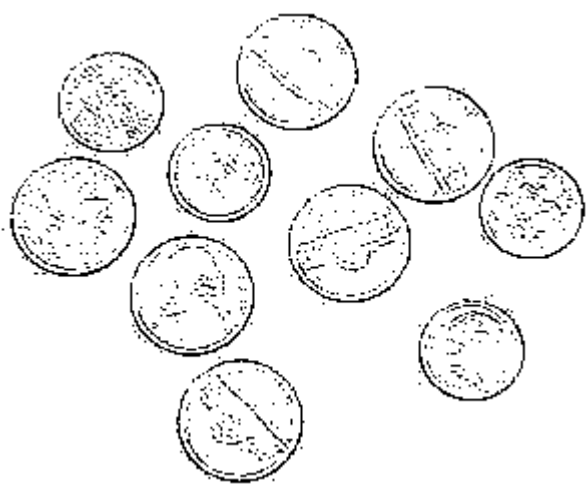
`canny(R,0.8,5,10)-255`



`255·binarize(reg_grow(R,1,2,10),1)`



`equalize(scale(laplace8(R),0,255))`



`imquant(scale(laplace8(R),0,350),2)`