

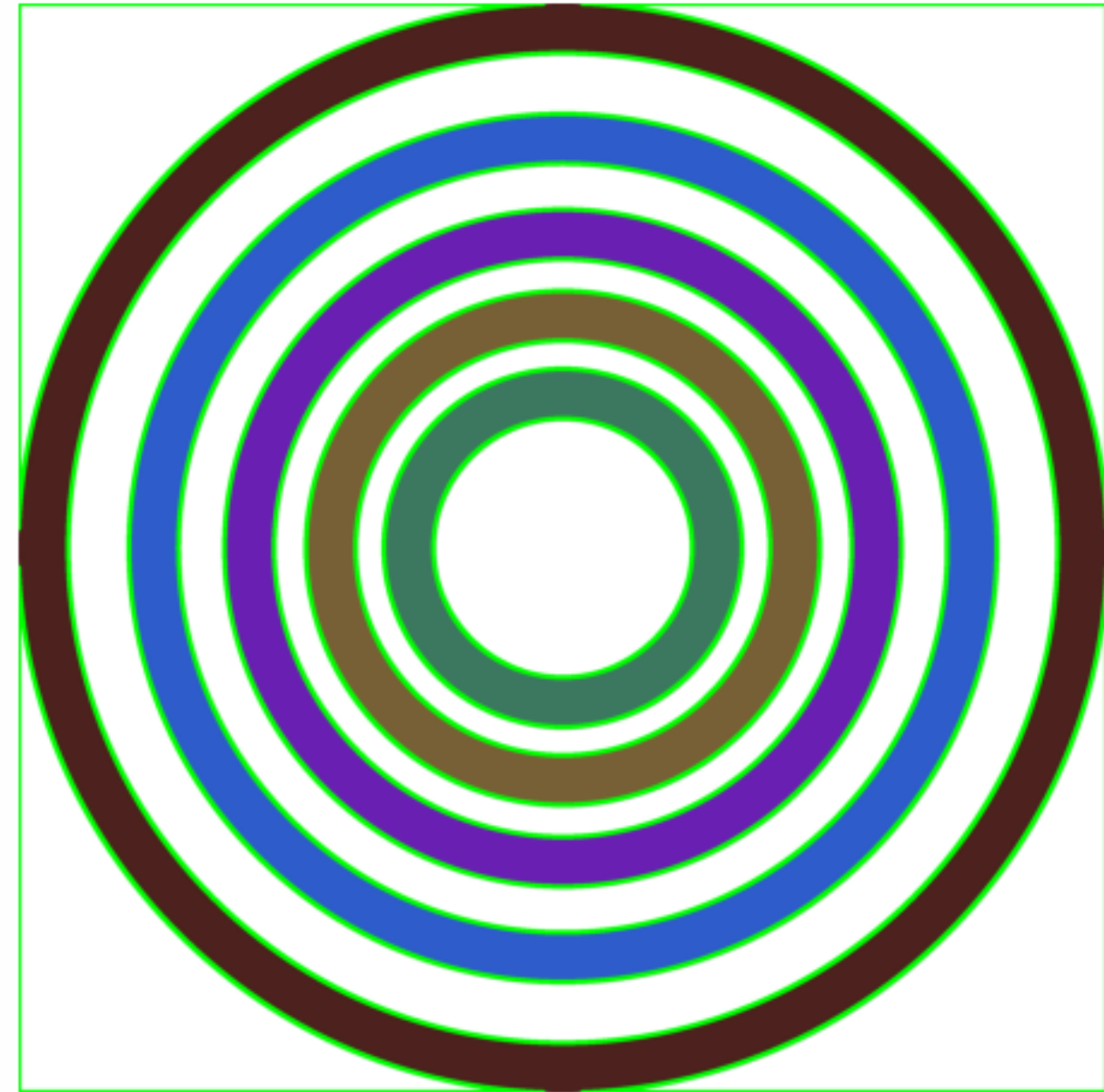
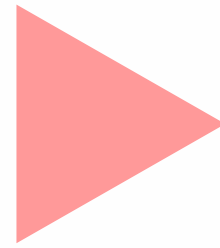
Exercises 11

Hough Transform, Contours and Segmentation (1100)

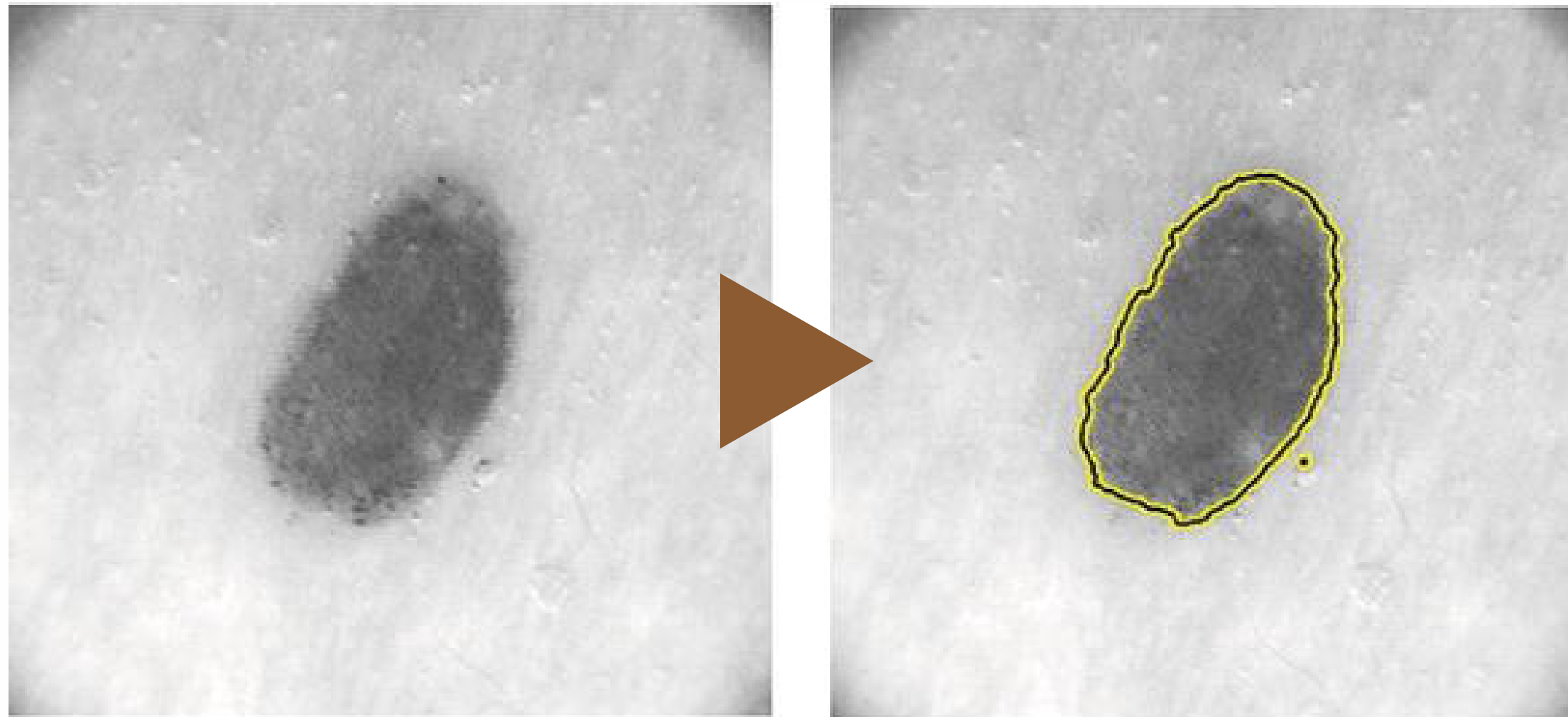
1. Find and plot the Circles in the image (b.jpg), for pixels with intensity greater than 120.

200

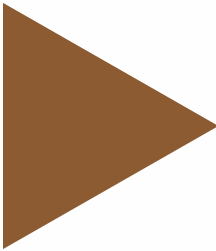
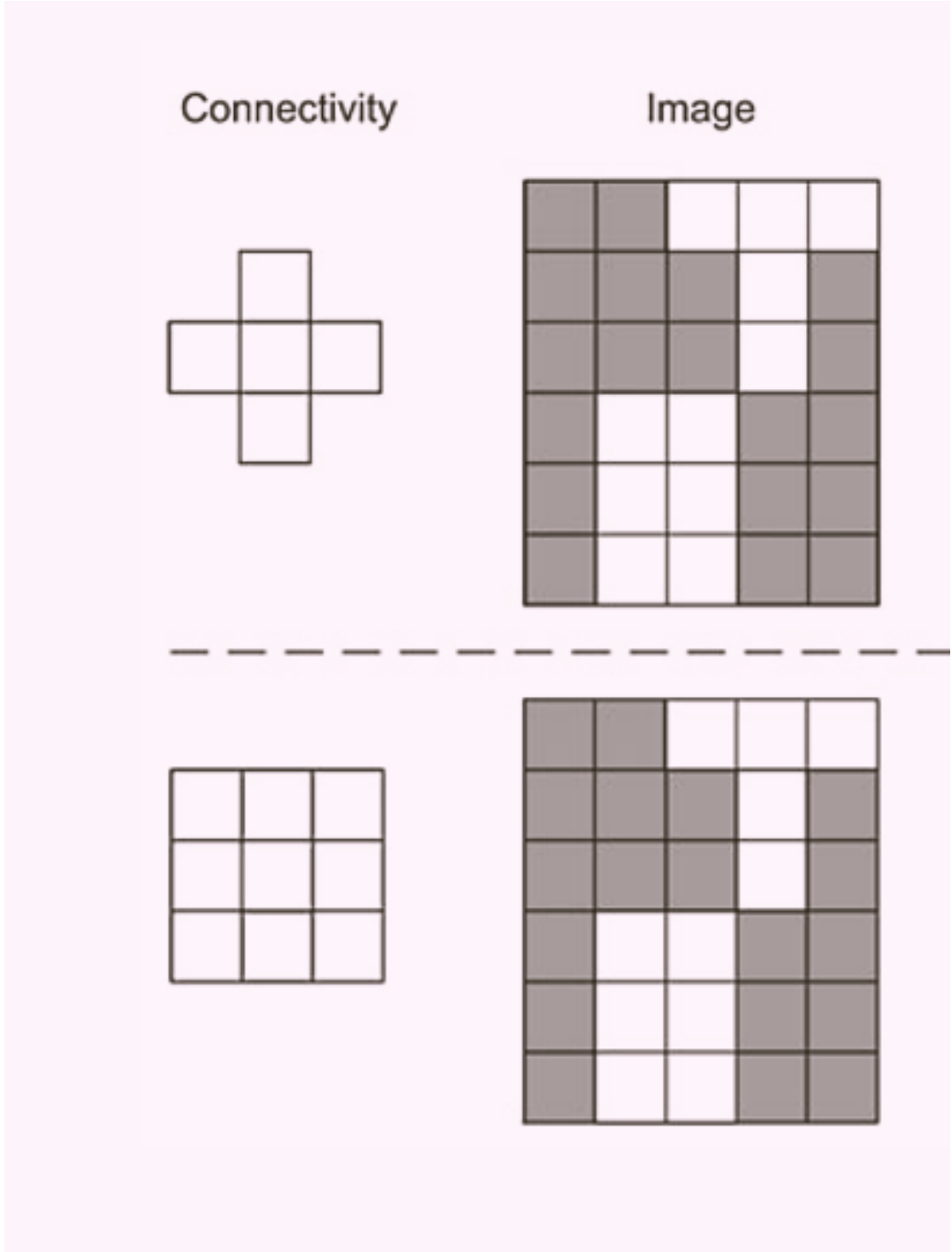
For Example:



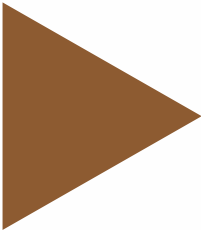
2. Find the shape of the following object using contours. (400)



3. How many objects does the following binary image consist of? Get the shape of any object. (300)



?



?

4. Do the segmentation of the following image in an adaptive thresholding.
For this, consider a 3 x 3 window replace the center value with the average and consider 45 as the threshold. (output is binary image) (200)

50	60	90	0	0
18	95	20	36	0
8	10	1	0	0
6	20	40	20	80
3	0	0	15	0