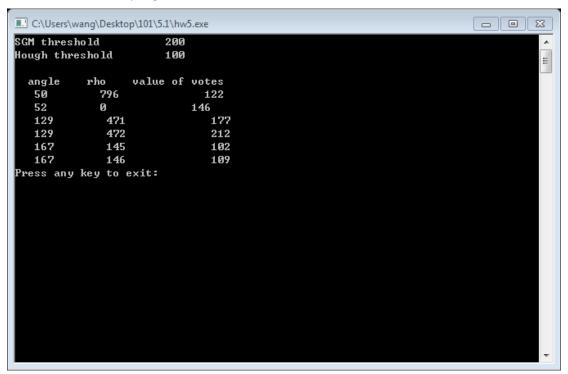
HW5 Zehua Wang 001021120

The outcome of the program



Considering there are more than one lines in the image for clearer viewing, so I just pick the hough_threshold 100.

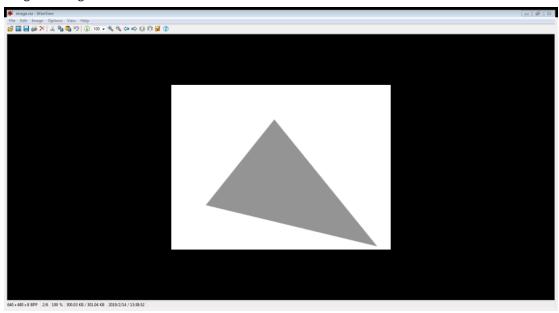
And then we can tell three lines from the outcome.

Number	(theta,rho)	local maximum
1	(52,0)	146
2	(129,472)	212
3	(167,146)	109

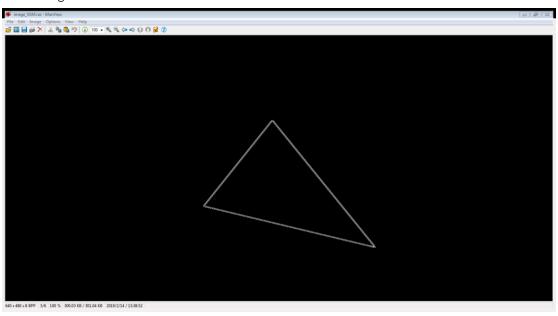
For the problem of possible negative rho, I used the absolute number to ensure that abs(rho) has a positive value.

The generated images are shown below.

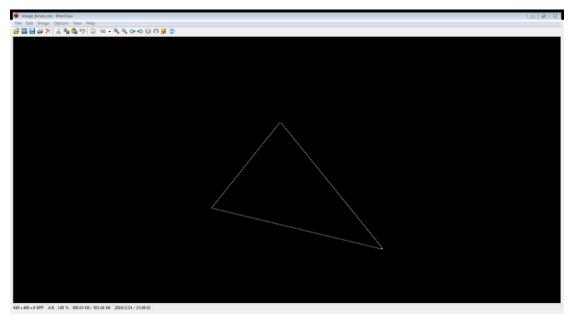
Original image



SGM image



Binary image



Use Hough transfer to plot the image

