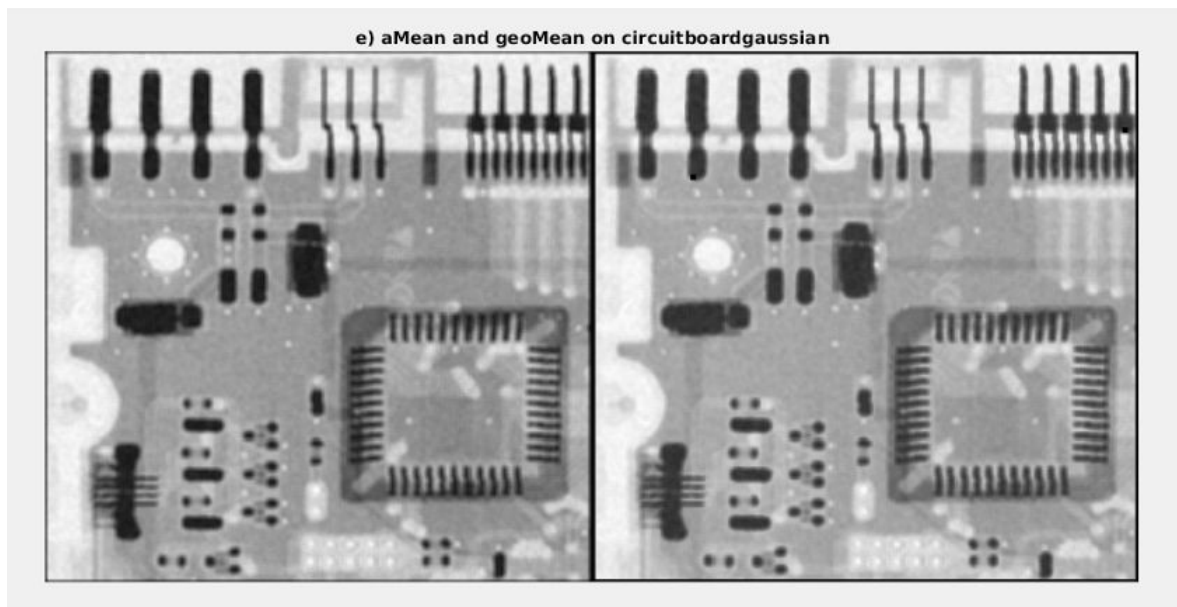


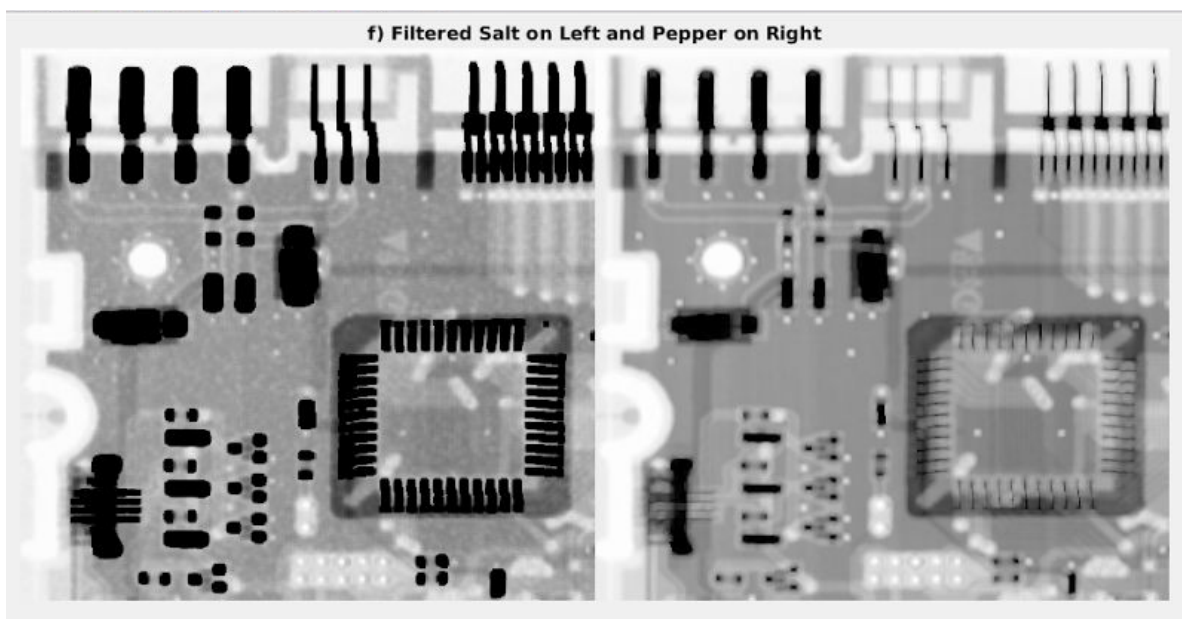
Problem 3.1

The code for parts a-c can be found in p3_1.m The images generated for e-g can be seen below.

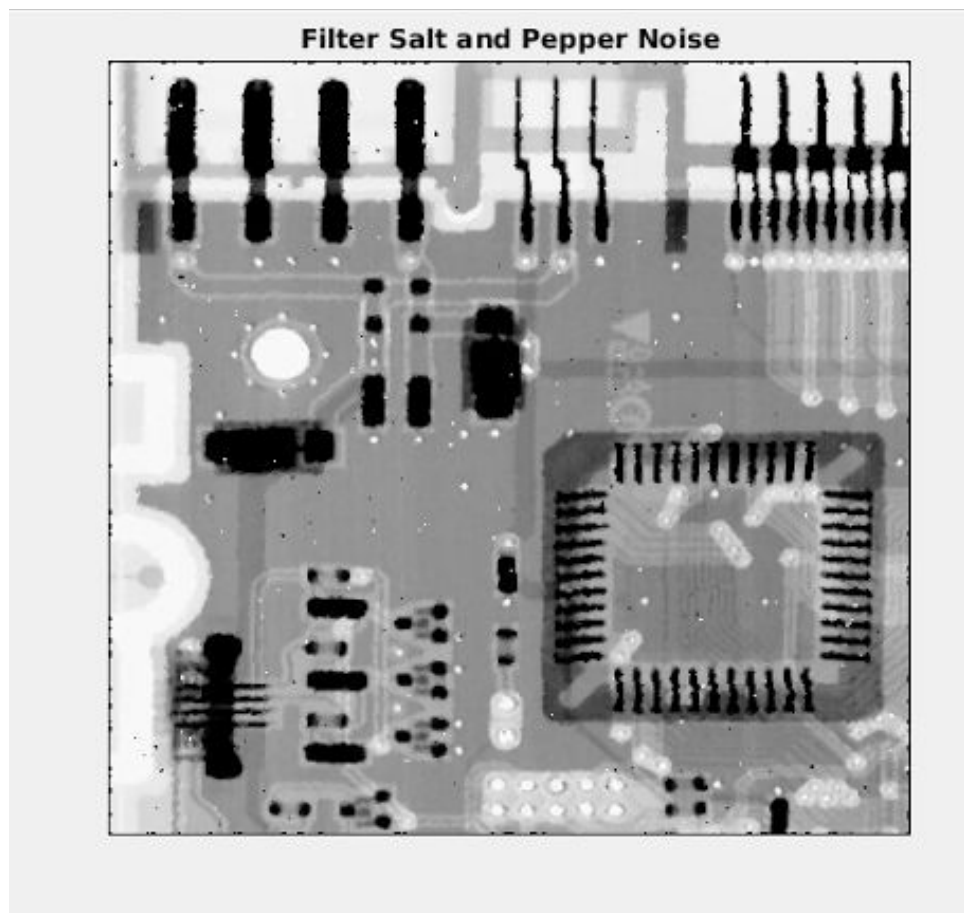
e)



f)

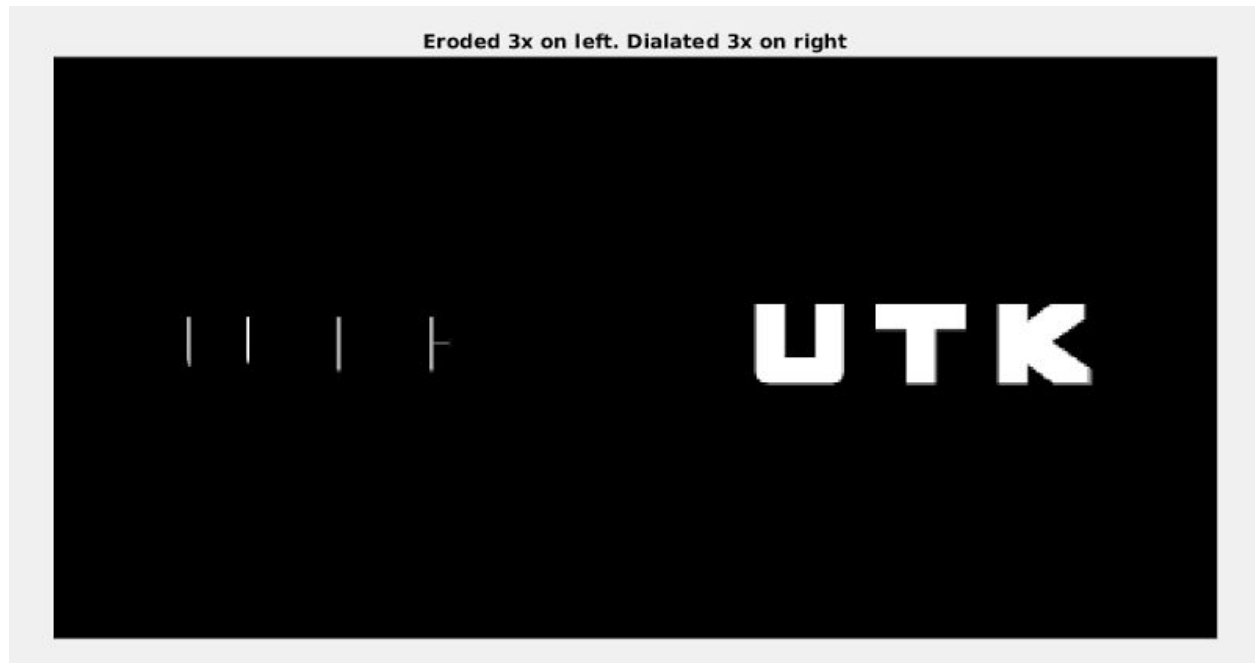


g)



Problem 3.2

The code for parts a and b are in p3_2.m. The results of c and d are below.



Problem 3.3

I was unable to figure out how to implement morphoPrun and morphoThin without the built in matlab functions so that's what I ended up using. I thinned five times and used spur applied 7 times to prune. The code can be found in p3_3.m. The results of c and d are below.

c) Thinned UTK

d) Pruned UTK

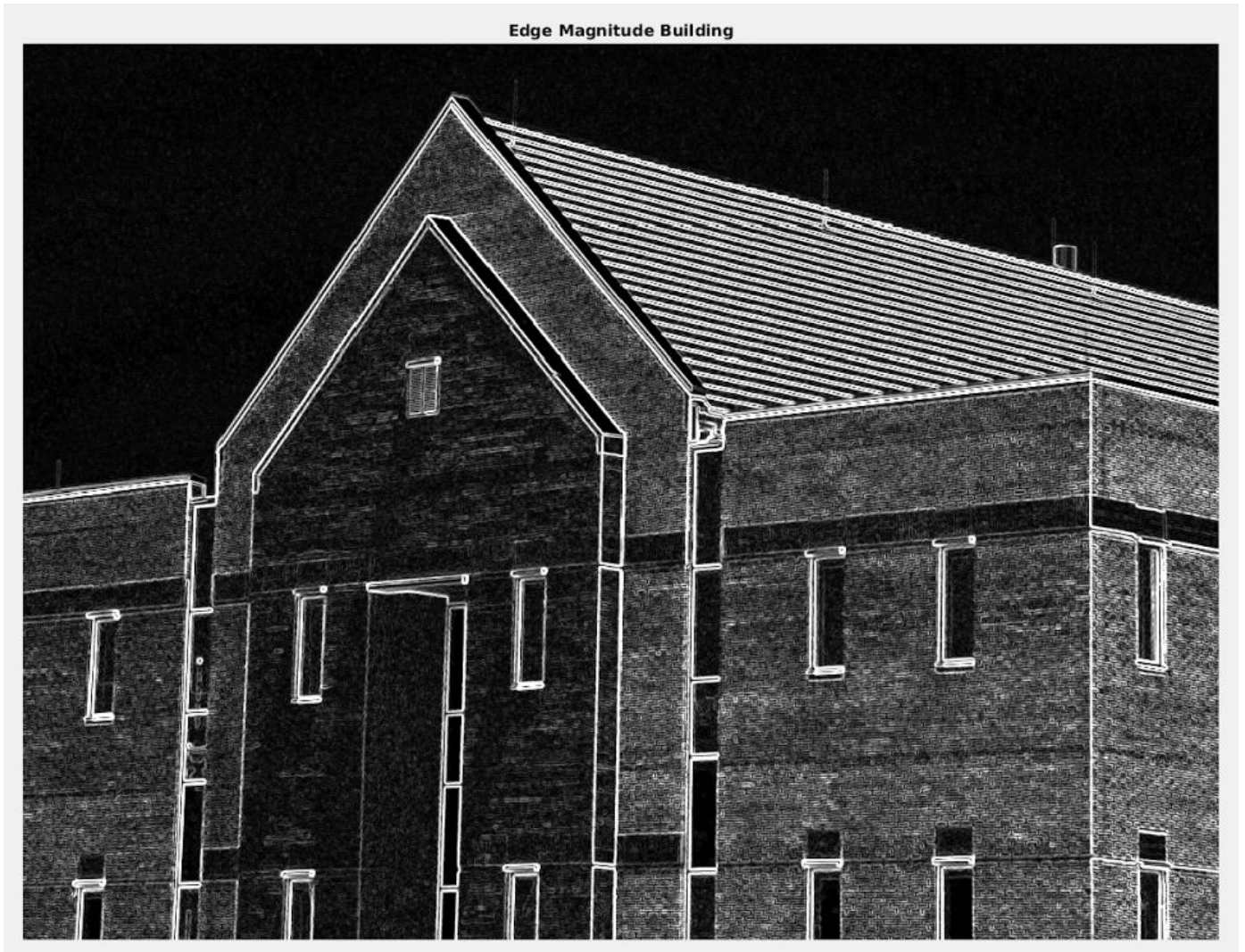
U T K

U T K

Problem 3.4

The code I implemented for 3.4 turned out not working as intended. You can find in in p3_4.m but the images are generated using the built in matlab functions. The results for c and d are below.

c)



d)

Angle Image Building



Problem 3.5

The code of `otsuThresh(f)` is in `p3_5.m`. The results for part b are as follows.

