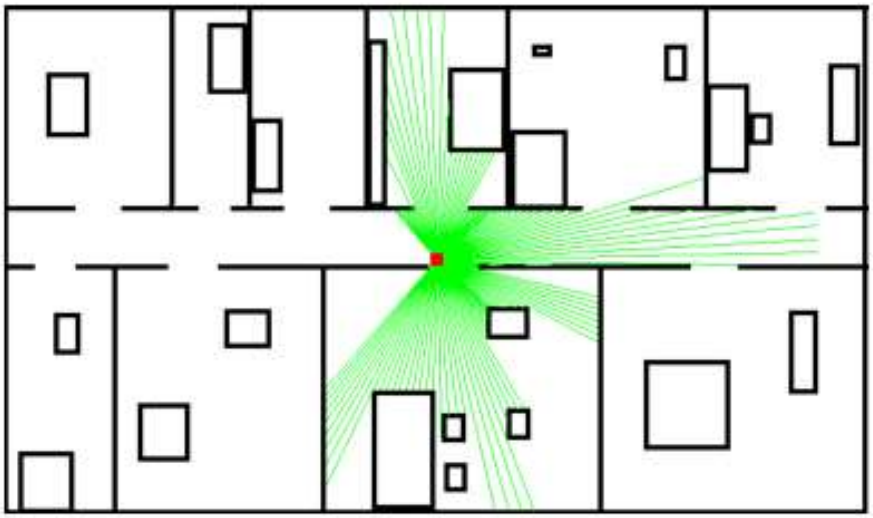
Req_1:

X = 200

Y = 340

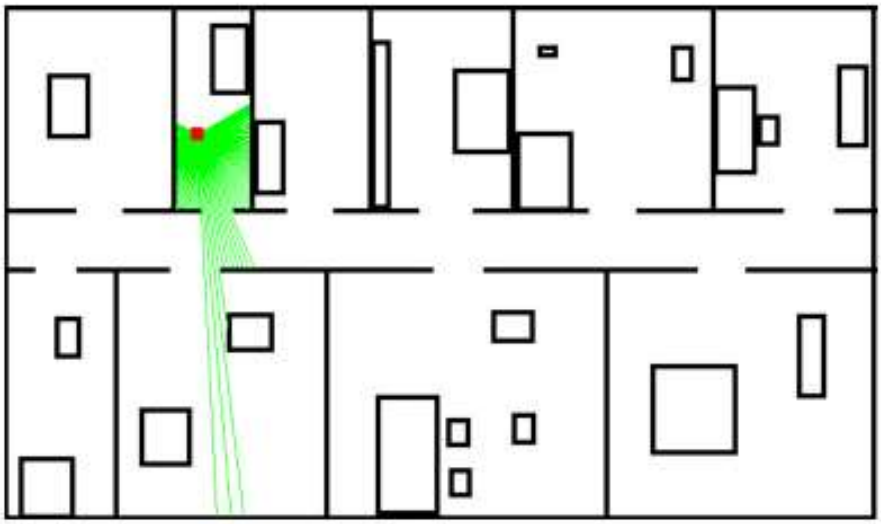
Theta = 90 degree



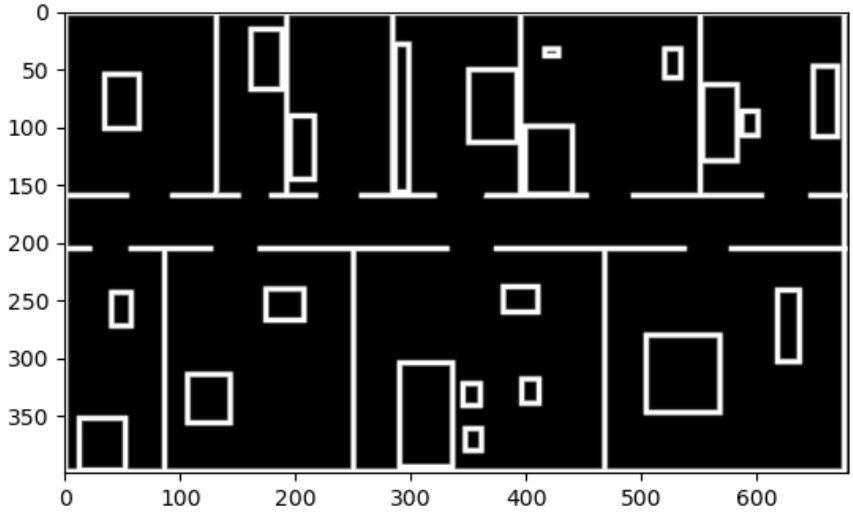
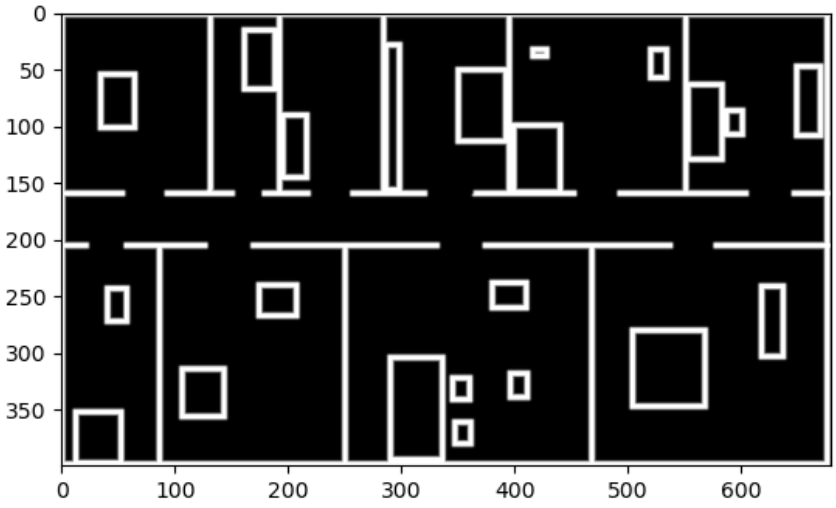
X = 100

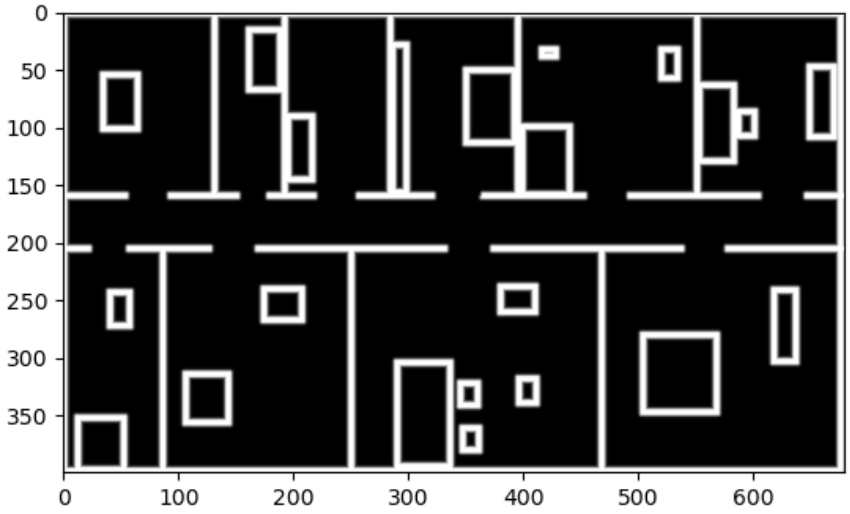
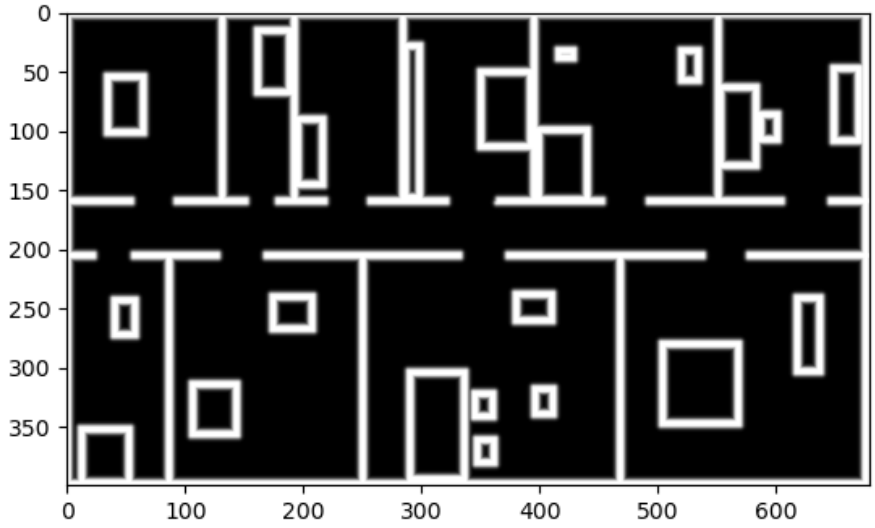
Y = 150

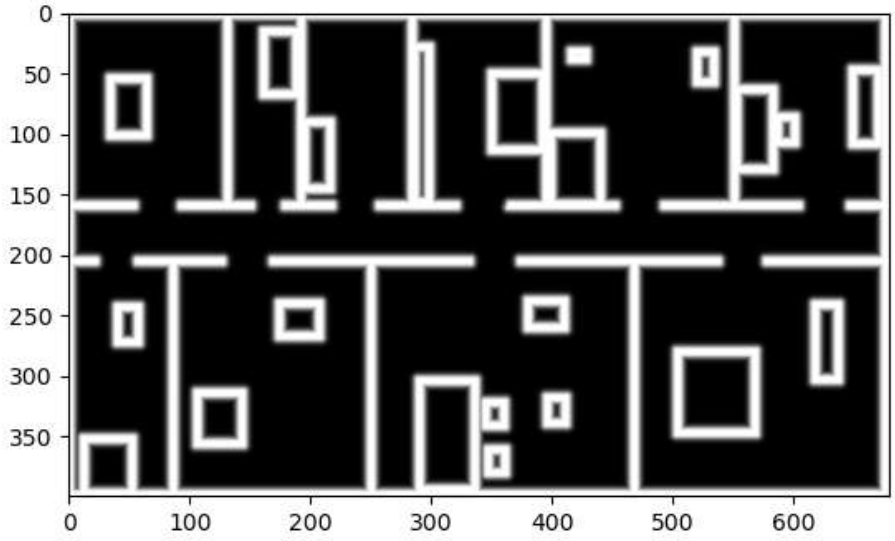
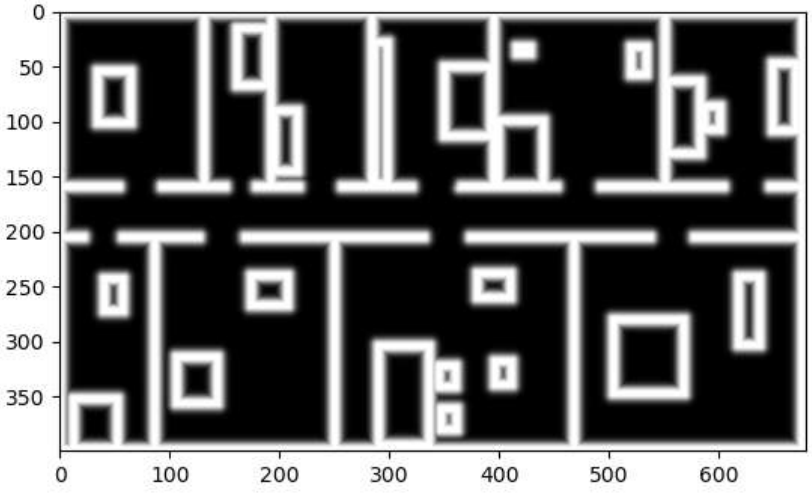
Theta = 20

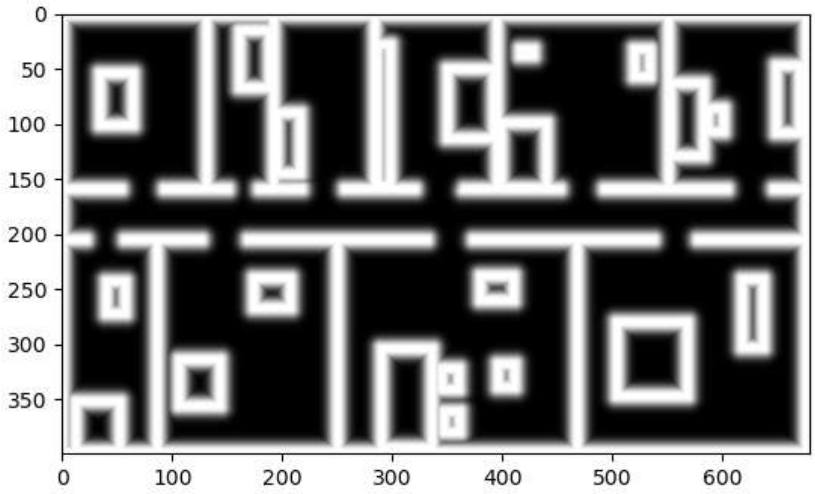
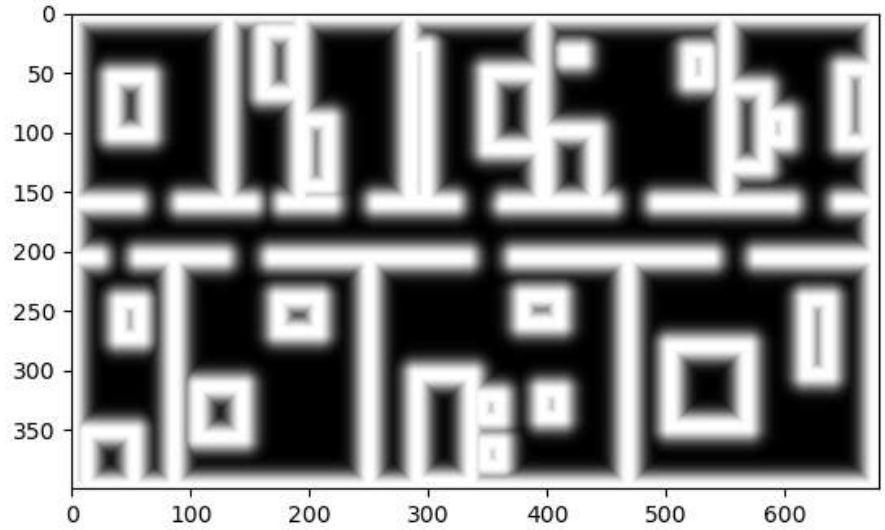


Req_2:

Variance	Output
0.5	
1	

2	
4	

8	
16	

32	
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