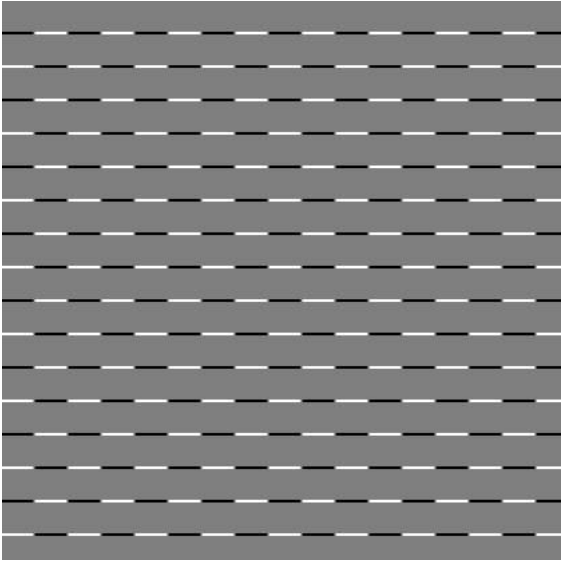
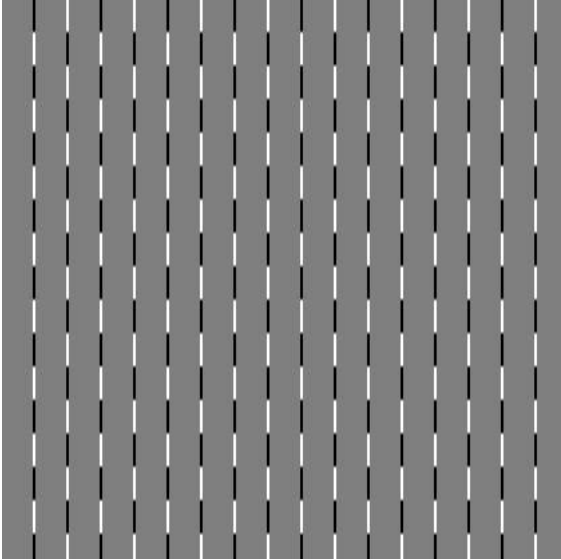
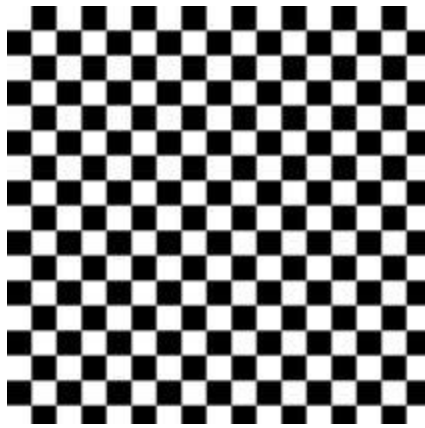
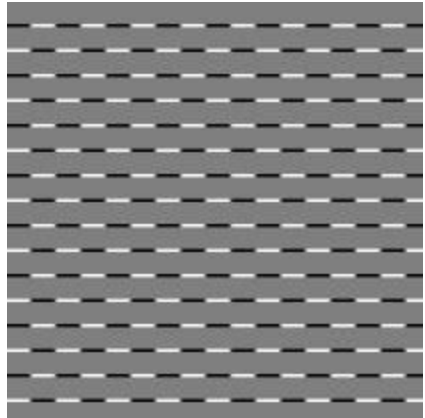
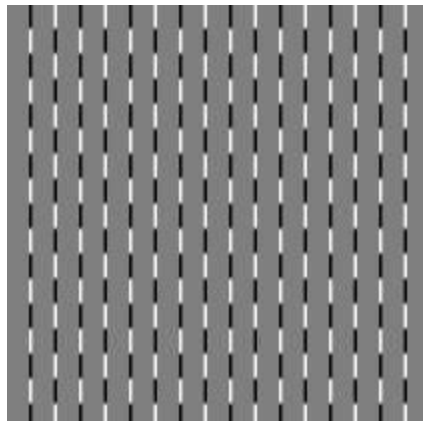


Homework 1

Part A Output Images



Task 1	
Task 2	

Task 3	
Task 4	
Task 5	
Task 6	Original Image:



Output Image:



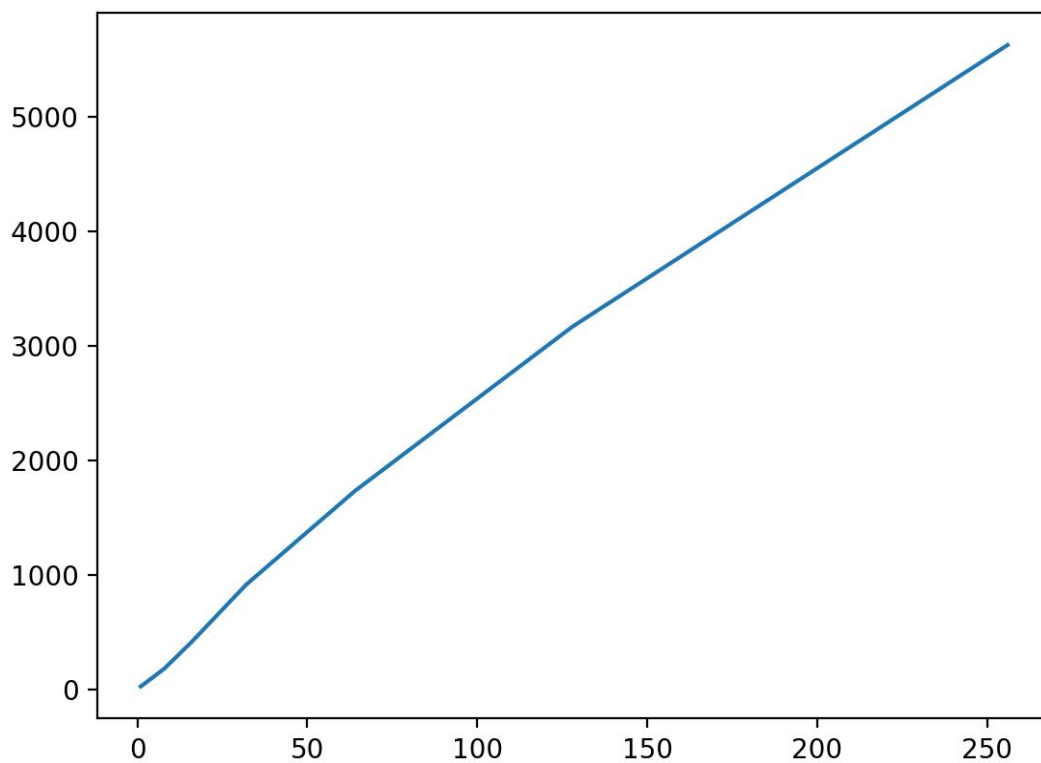
Task 7 - 1	
Task 7 - 2	

Part B

It take too long to generate the full result. Therefore, I have collected data up to 2^8 .

O_Channel	Time Taken (seconds)
1	23.515645027160645
2	45.18569993972778

4	90.43279504776001
8	180.75114512443542
16	412.9355580806732
32	912.0210089683533
64	1730.588632106781
128	3165.599992990494
256	5625.0197241306305



Part C

Kernel_Size	Number of Operations
3	145899036
5	17127559152

7	4494743433180
9	2105236735781184
11	1543593200336927100

