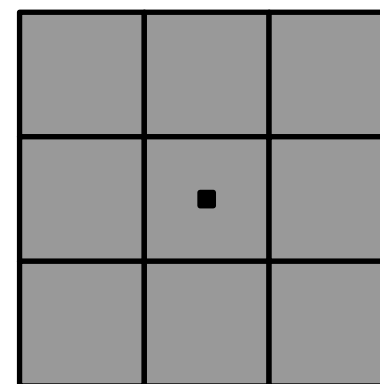
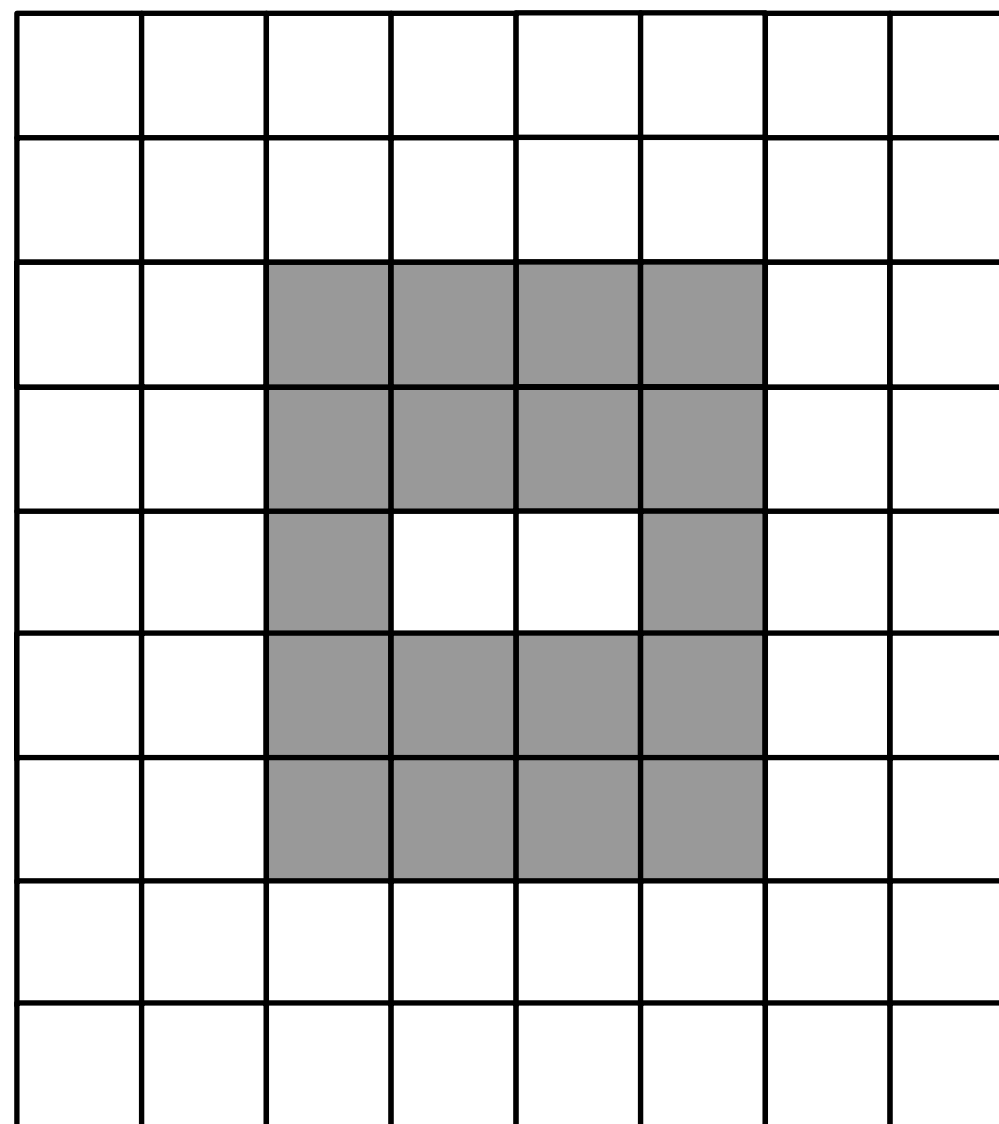


### 3. b)

Using the below 3x3 square structuring element, perform morphological **dilation** to the below binary image. Each shaded square is a member of the set. Sketch the output binary in a grid similar to that of the image.



dilation with SE

0	0	0	0	0	0	0	0
0	1	1	1	1	1	1	0
0	1	1	1	1	1	1	0
0	1	1	1	1	1	1	0
0	1	1	1	1	1	1	0
0	1	1	1	1	1	1	0
0	1	1	1	1	1	1	0
0	0	0	0	0	0	0	0