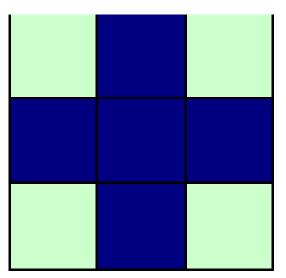Use this Structuring element to perform following operation by showing intermediate steps of Dilation/Erosion.

0	1	0
1	**1**	1
0	1	0

a) Opening operation for this image

				1	1	1	
				1	1	1	
				1	1	1	
			1	1			
	1	1	1				
	1	1	1				
	1	1	1				

b) Closing operation for this image