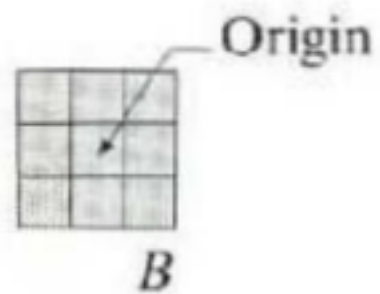


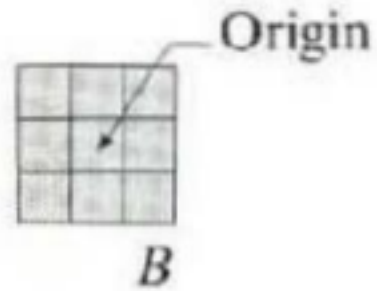
BOUNDARY EXTRACTION ¹

The boundary of a set A , denoted by $\beta(A)$, can be obtained by first eroding A by B and then performing the set difference between A and its erosion

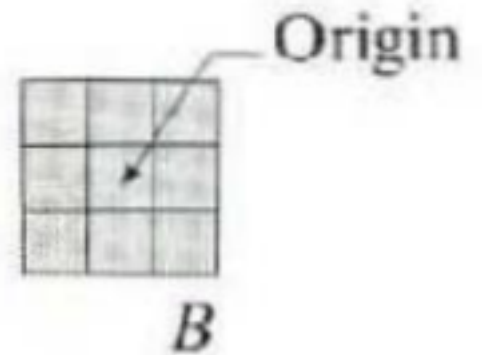
$$\beta(A) = A - (A \ominus B)$$

where $B \rightarrow$ structuring element





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

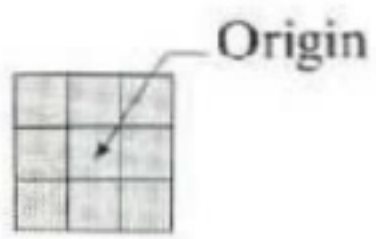


A

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



A



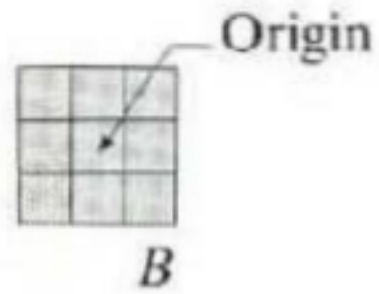
B



$A \oplus B$



A



B



$A \oplus B$



$\beta(A)$