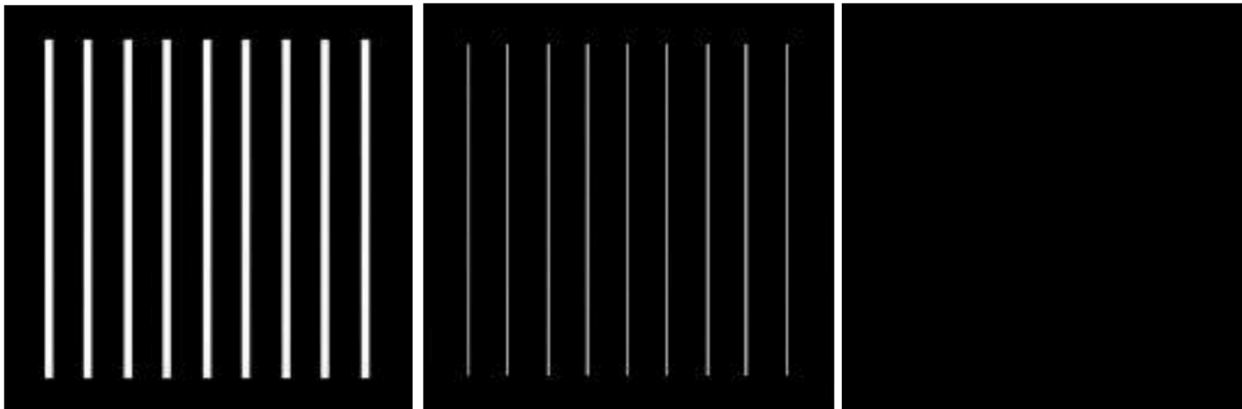


5.8: Min filter



(a). 3*3 Min Filter

(b). 7*7 Min Filter

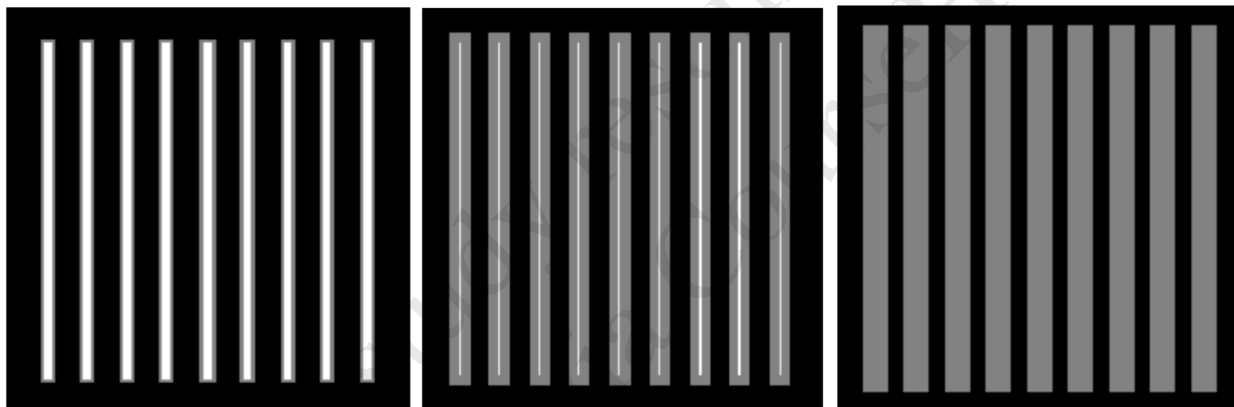
(c). 9*9 Min Filter

After using min filter, the bars will be smaller. So (a) is 5 pixels wide and 208 pixels high, (b) is 1 pixels wide and 204 pixels high, (c) will be all black with value 10, because in every filter window, the min is

10. The corner will still be 90 degree, and looks like this:



5.9: Midpoint filter



(a). 3*3 Midpoint Filter

(b). 7*7 Midpoint Filter

(c). 9*9 Midpoint Filter

The bar will be surrounded by grey with value $(10+240)/2 = 125$. So (a) the bar is 5 pixels wide and 208 pixels high, (b) is 1 pixels wide and 204 pixels high, (c) only has value 125 and 240. The corner will still

be 90 degree, and look like this:

