

## Shape localization ... 2

Compare original shape with compare shape locally.

Compare only if they occupy the same image area

Top left  $\Rightarrow$   $y - \text{threshold}$   
 $x - \text{threshold}$

$x + \text{threshold}$  ... deleted by left

$y + \text{threshold}$  ... deleted by top

Top middle  $\Rightarrow$   $y - \text{threshold}$   
 $x - \text{threshold}$   
 $x + \text{threshold}$

Top right  $\Rightarrow$   $y - \text{threshold}$   
 $y + \text{threshold}$  ... deleted by top  
 $x + \text{threshold}$

$x - \text{threshold}$  ... deleted by right

Right  $\Rightarrow$   $y - \text{threshold}$   
 $x + \text{threshold}$   
 $y + \text{threshold}$

Bottom right  $\Rightarrow$   $x + \text{threshold}$   
 $x - \text{threshold}$  ... deleted by right  
 $y + \text{threshold}$

$y - \text{threshold}$  ... deleted by bottom

Bottom  $\Rightarrow$   $x + \text{threshold}$   
 $x - \text{threshold}$   
 $y + \text{threshold}$

Bottom left  $\Rightarrow$   $x + \text{threshold}$  ... deleted by left  
 $x - \text{threshold}$

$y + \text{threshold}$

$y - \text{threshold}$  ... deleted by bottom

Left  $\Rightarrow$   $y - \text{threshold}$   
 $x - \text{threshold}$   
 $y + \text{threshold}$