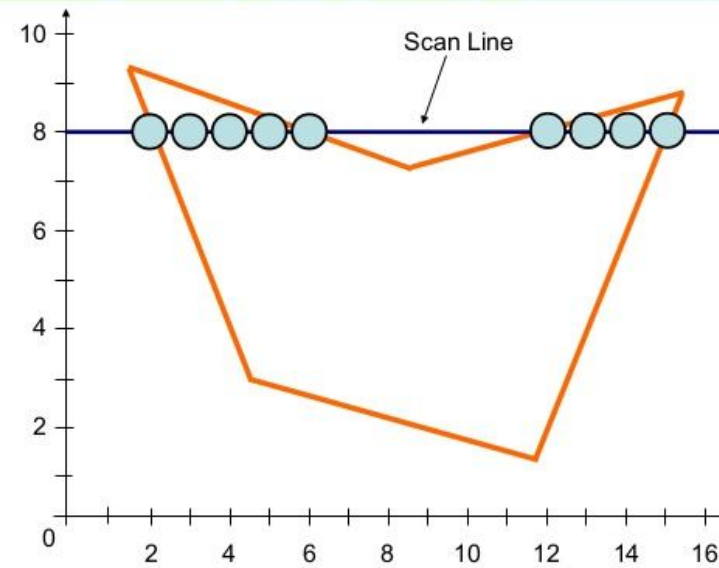
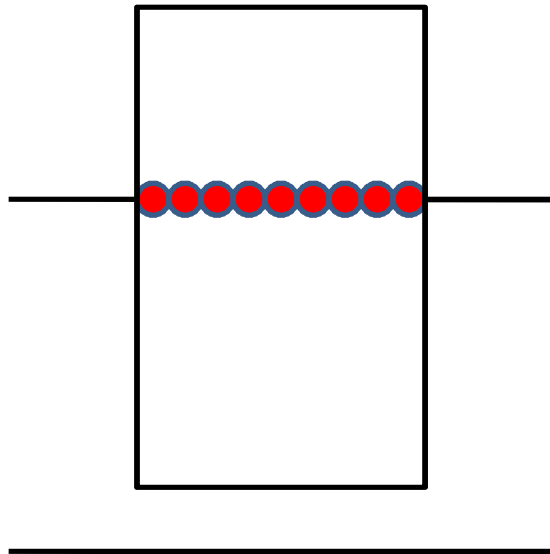
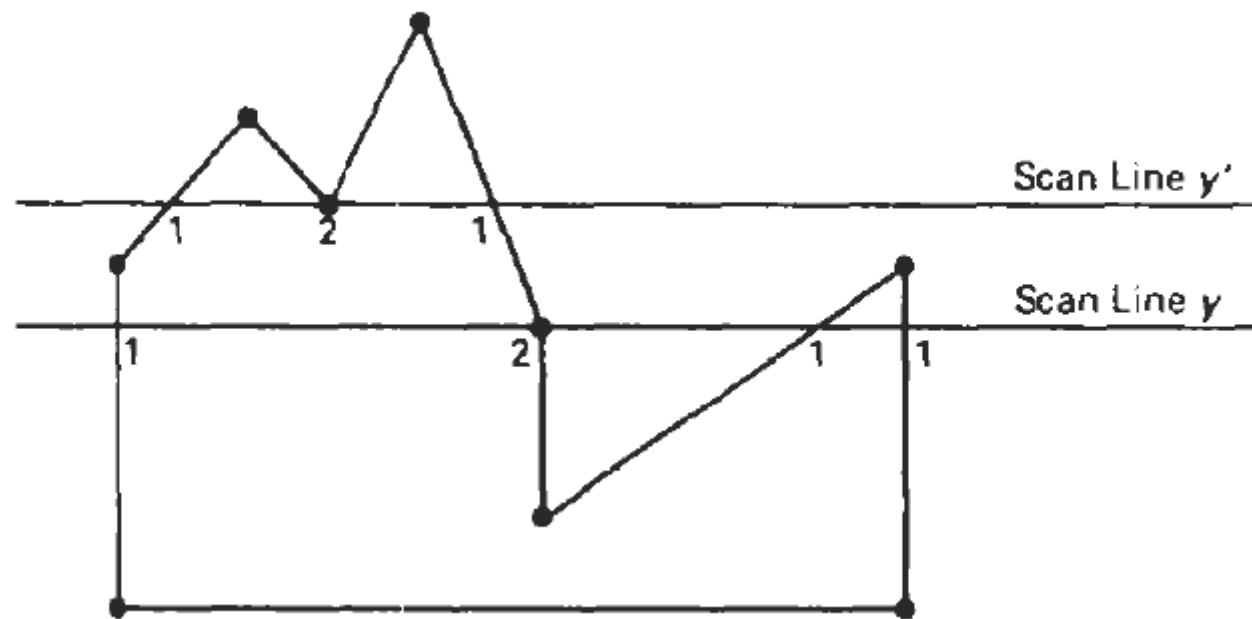
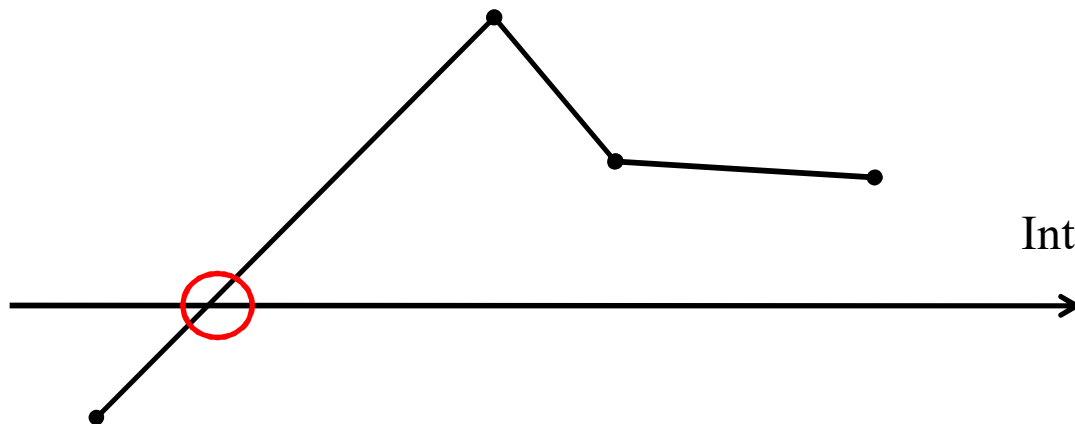


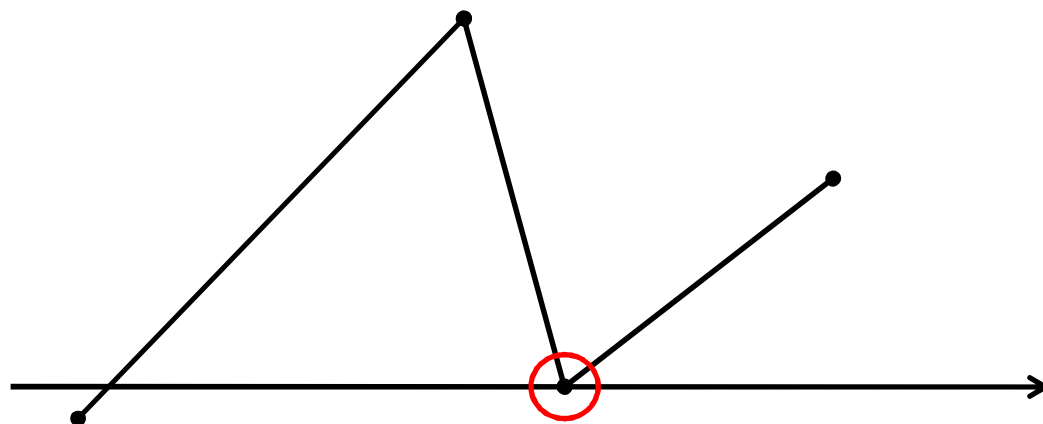
## *Scan line polygon fill*





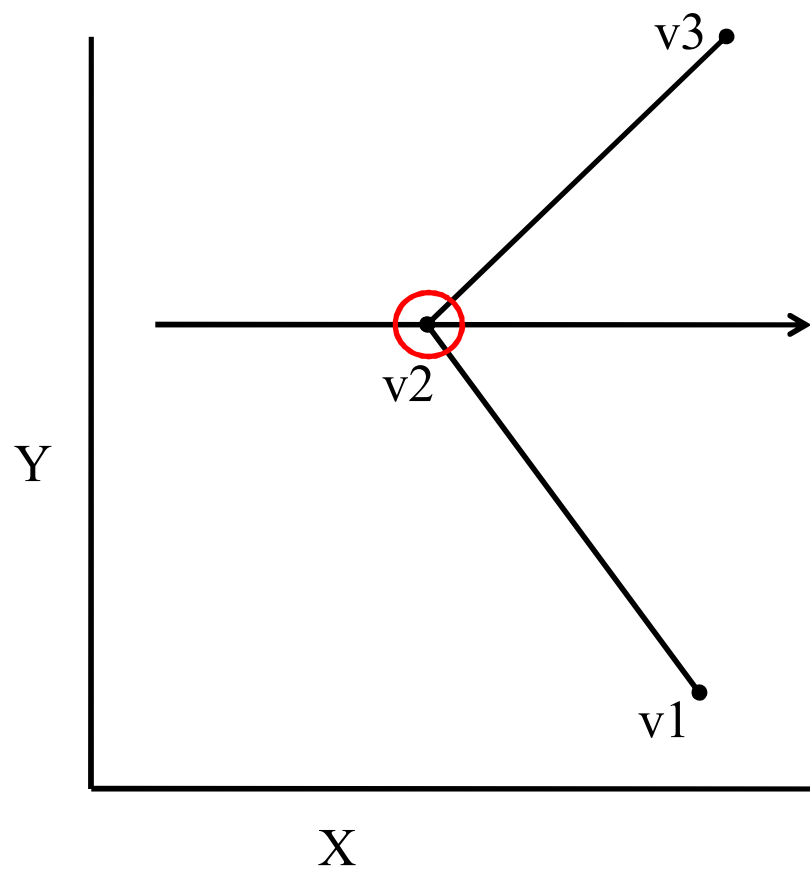


Intersection point is not a vertex



Intersection point is a vertex

How to find that an intersection point is a vertex?



Y values increase/decrease monotonically

$v_2$  is single intersection point

## How to find that an intersection point is a vertex?

Y values exhibit local extrema at shared vertex

v2 is double intersection point

