Basic relationship between pixels

4-neighbors(N4)

	(x-1,y)	
(x, y-1)	P(x,y)	(x,y+1)
	(x, y+1)	

	(x-1,y)	
(x, y-1)	b(x, x)	(x, y+1)
	(x, y+1)	

4-diegonal neighbors ND

(x-1, y-1)		(x-1 ₂ y+1)
	b(x'x)	
(x+1, y-1)		(x+1, y+1)

(x-1, y-1)		(x-1, y+1)
	P(x > y)	
(x+1, y-1)		(x+1, y+1)

8-neighbors No

$$(x-1, y-1)$$
 $(x-1, y+1)$ $(x-1, y+1)$ $(x-1, y+1)$ $(x+1, y-1)$ $(x, y+1)$ $(x+1, y+1)$

Adjacency