Distance measures

$p(x,y)$ $q(s,t)$ $z(v,w)$

Distancia euclideana entre p y q:

$$De(p,q) = [(x-s)^2 + (y-t)^2]^{1/2}$$

Para esta medida, los pixeles con menor distancia..

D_4 distance (city-block distances)

$$D_4(p,q) = |x-s| + |y-t|$$

D_8 distance

```
    2
  2 1 2
2 1 0 1 2
  2 1 2
    2
```

$$D_8(p,q) = \max(|x-s|, |y-t|)$$

```
2 2 2 2 2
2 1 1 1 2
2 1 0 1 2
2 1 1 1 2
2 2 2 2 2
```