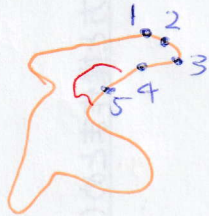


Matching neighbor shape position in next frame - 3

Describe every pixel as distances from every other pixels

~~Start with top pixel~~
~~There are multiple top pixels choose the one on the furthest~~
~~left.~~

Get relative position value and also count them.



changed figure

pixel index
 → 1 relative count 0
 pixel index 2 (x, y) count 1
 pixel index 3 (x, y) count 2
 pixel index 4 (x, y) count 3
 pixel index 5 (x, y) count 4

pixel index
 → 2 (x, y) count 0
 pixel index 3 (x, y) count 1
 4 (x, y) ≤ 2
 5 (x, y) ≤ 3
 1 (x, y) ≤ 4

image1 relative positions

pixel index 1

(x, y) (x, y) (x, y)

image1 shape's closest match shape in image2

relative positions

pixel index 1 (x, y) (x, y) (x, y) ...
 pixel index 2 (x, y) (x, y) (x, y)

threshold $\Rightarrow \pm 1$

one pixel

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

pixel index 1

one pixel

pixel

pixel

...

last pixel

check if position matches

pixel index 1

pixel 1, pixel 2, pixel 3 ... last pixel

