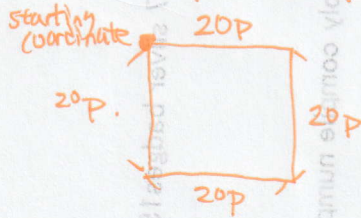


# Matching neighbor shape position in next frame - 7

creating test shape

square shape. starting coordinate.  
length = 20 pixels

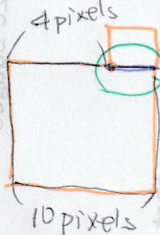


neighbor shape

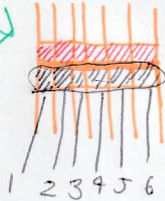
square 8  
length = 8 pixels

image 1

non-contact  
area boundary  
pixels



— ⇒ contact area

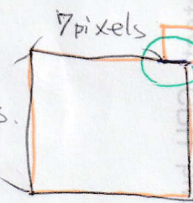


neighbor pixels

6 original shape neighbor pixels

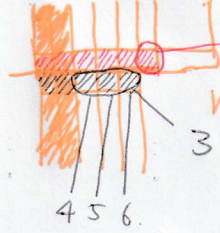
image 2

10 pixels.



non-contact  
area boundary  
pixels

— ⇒ contact area. 3 pixels



neighbor pixels

3 original shape neighbor pixels

includes this top right pixel too.

image 1 pixel 1 relative positions ~~with~~ all non-contact areas  
34 relative pixels

image 2 pixel 4 relative positions of all non-contact areas  
37 relative pixels

Match each one of relative pixels of image 1 pixel with image 2 pixel's relative pixels

procedure

Match image 1 pixel 1 relative pixel 1 with any of image 2 pixel 4 relative pixels.

can only ~~one time~~ match with any one of image 2 pixel's relative pixels.

Match image 1 pixel 1 relative pixel 2 with any of image 2 pixel 4 relative pixels.

Match image 1 pixel 1 relative pixel 34 with any of image 2 pixel 4 relative pixels.

Match image 1 pixel 1 relative pixel 1 with any of image 2 pixel 5 relative pixels

Match image 1 pixel 1 relative pixel 34 with any of image 2 pixel 5 relative pixels

Match image 1 pixel 2 relative pixel 1 with any of image 2 pixel 4 relative pixels