find_direct_neighbors 2

compare shape is below original shape

$$camp\_smallest\_y > orig\_smallest\_y$$

③ smallest_y ≤ 22
largest_y = 27
smallest_x = 26
largest_x = 30

④ S_y = 26
L_y = 32
S_x = 18
L_x = 23
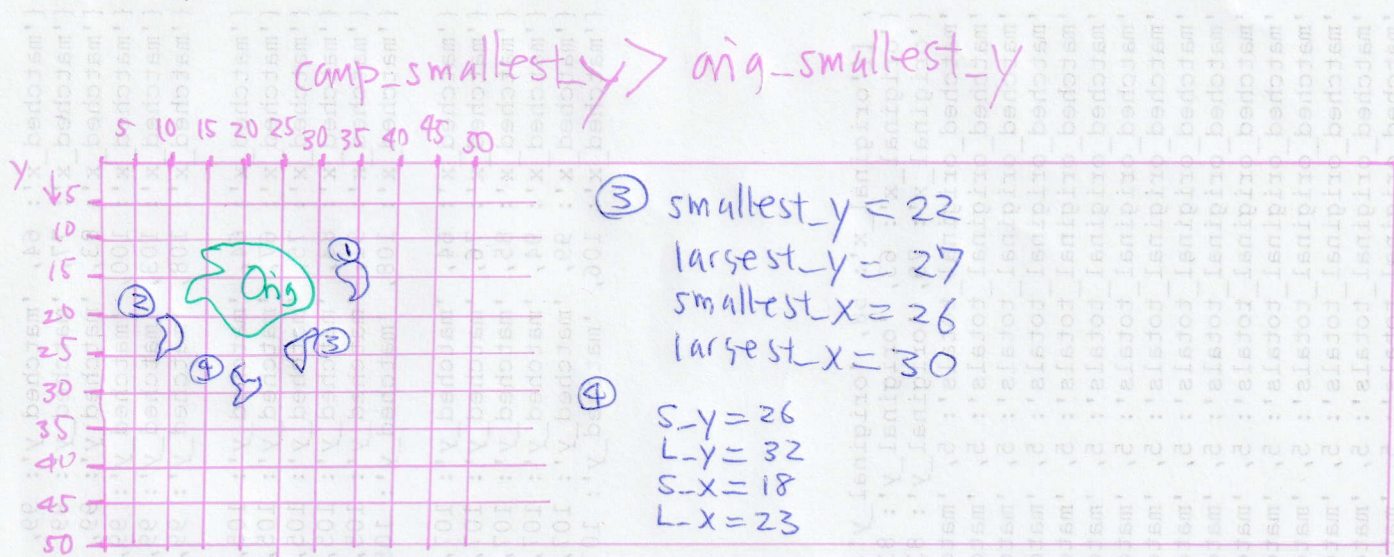
original
smallest_y = 11
largest_y = 22
smallest_x = 13
largest_x = 29

① smallest_y = 13
largest_y = 18
smallest_x = 33
largest_x = 37

② smallest_y = 20
largest_y = 26
smallest_x = 8
largest_x = 12

To be candidate for original shape's neighbor, ~~compa~~ camp_smallest_y has
to be less than or equal to original's largest_y.

$$camp\_smallest\_y <= orig~~\_largest\_y~~ \quad orig\_neighbor\_bottom$$

orig_neighbor_top

So___

If camp_smallest_y > orig ~~smallest_y~~

If camp_smallest_y <= orig ~~largest_y~~ orig_neighbor_bottom.
original and compare shape are may be neighbors.

Compare shape is further left than original   orig_neighbor ~~left~~

$$camp\_smallest\_x <= ~~orig_s a~~ orig~~\_smallest\_x~~$$

condition to be original's neighbor candidate
If camp_smallest_x <= orig ~~smallest_y~~ orig_neighbor ~~top~~left
If camp_largest_x >= orig ~~smallest_x~~

Compare shape is further right than original
If camp_smallest_x >= orig ~~smallest_x~~ orig_neighbor_left
I camp_smallest_x <= orig ~~largest_x~~ orig_neighbor_right