

Perform connected components algorithm on this:

0	0	0	0	0	0	0	0	0	0
0	0	0	0	255	255	255	255	255	0
0	0	255	255	255	255	255	255	255	0
0	0	255	255	255	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	255	255	0	0	255	255	0	255	0
0	255	255	0	0	255	255	0	255	0
0	255	255	0	0	255	255	0	255	0
0	255	255	255	255	255	255	0	0	0
0	255	255	255	255	255	255	0	0	0
0	0	0	0	0	0	0	0	0	0

For the region with label 3 (the U shaped region)
compute: area, centroid, perimeter (4-adjacency),
perimeter length

Consider the origin to be at top left pixel, increases to right
for column numbers (0 to 9) and increases down for row numbers
(0 to 10)