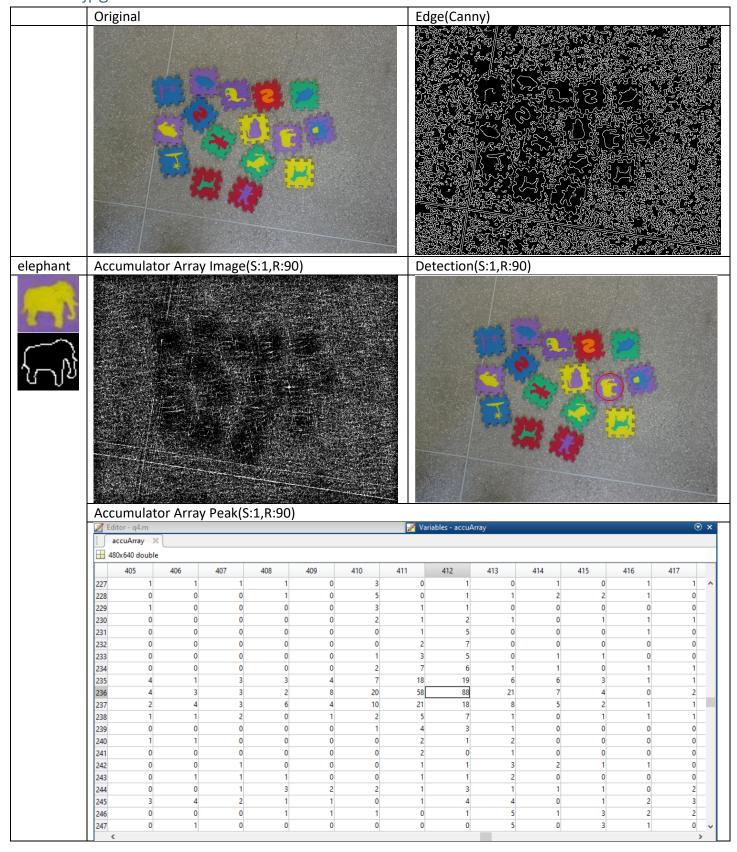
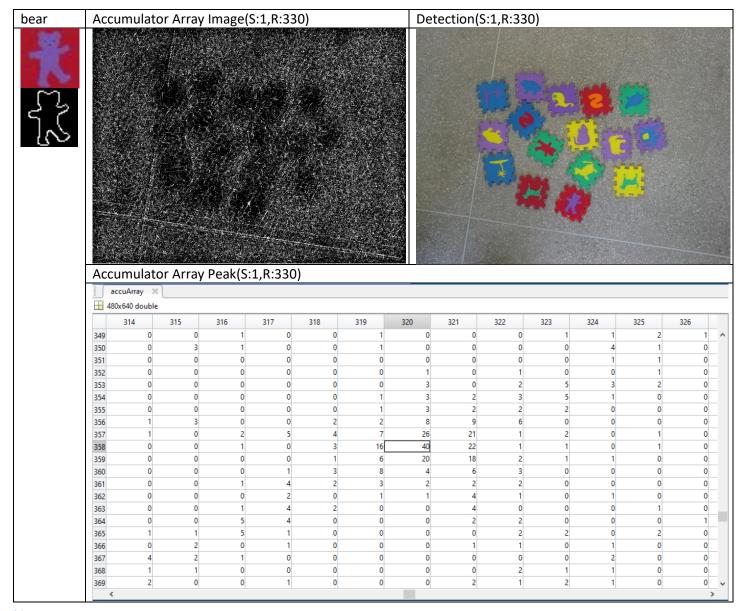
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Animals.jpg



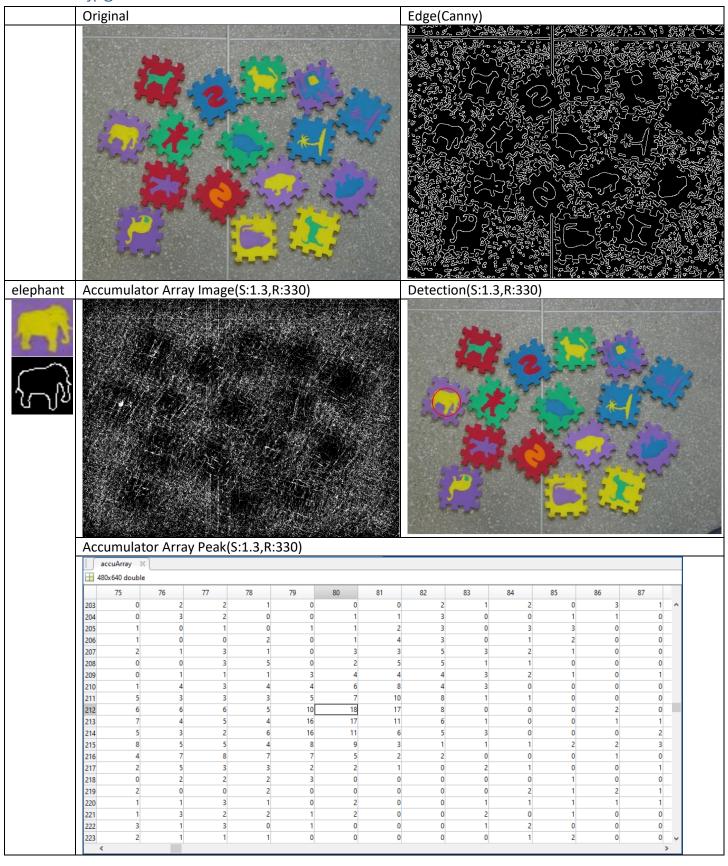


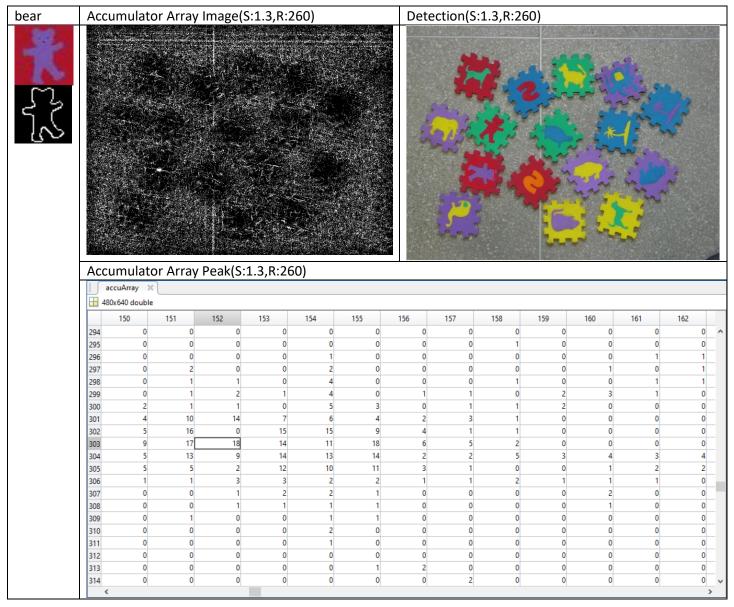
Notes

In "animals.jpg", both "bear" & "elephant" template is matched by first estimating the rotation angle. No scale is needed in this matching.

"S:1.R:330" means, scaling factor = 1, rotation angle = 330 degree CCW.

Animals2.jpg





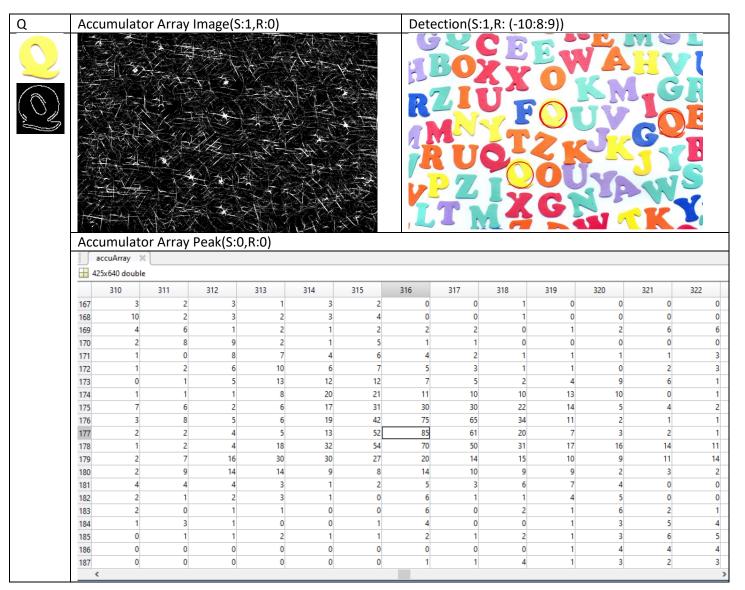
Notes

In "animals2.jpg", both "bear" & "elephant" template is matched by first estimating the rotation angle. Scaling factor of 1.3-1.33 is needed in this matching.

"S:1.3 R:260" means, scaling factor = 1.3, rotation angle = 260 degree CCW.

Letters.png





Notes

In "letters", both "K" & "Q" almost in the upright orientation. No scale is needed in this matching. In order to match multiple K&Q, I found that they're differed by rotating a few degrees away from 0. Thus, I used a series of rotation of angles to matching all occurrences.

"S:1,R: (-10:8:9)" means,

scaling factor = 1,

rotation angle = from -10 to 8 degree CCW : {-10-7.75 -5.5 -3.25 -1 1.25 3.5 5.75 8}