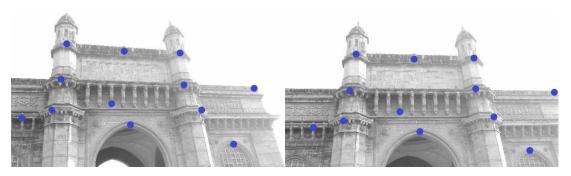
## Question 5:

(a)

Selected the following physically corresponding points from the images



goi1.jpg

(b)

Determined affine transformation which converts 'goi1' into 'goi2':

goi2.jpg
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1.0544	0.0138	23.5736
-0.0167	1.0193	18.5455
0.0000	-0.0000	1.0000

(c)

Warping 'goi1' using affine transformation matrix and interpolating it using nearest neighbor interpolation:



goi1 goi2 transformed goi1

(d)

Using bilinear interpolation:



## (e)

If all points chosen were collinear, the transformation would take place based on a single line in the image. The salient features of the 2D image won't be properly captured and affine motions like shearing and scaling might be confused or not recognized.