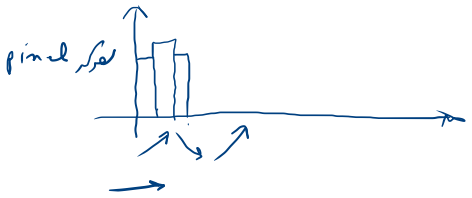


bin = 3

Template - desc = [[1,2,3], [4,5,6], [7,8,9]]

queryIdx=0 queryIdx=1 queryIdx=2

Frame - dese = [[2,3,4], [5,6,7], [8,9,10]]

trainIdx=0 trainIdx=1 trainIdx=2

[qIdx, tIdx, dist]

{ qIdx: 1, tIdx: 1 , ...

BF.match :

qIdx = 0

tIdx = 0

$d = \sqrt{(2-1)^2 + (3-2)^2 + (4-3)^2} = \sqrt{3} = 1.7$

knnmatch =D ?

k = 2

qIdx = 0

template_desc = [[1, 2, 3], [4, 5, 6], [7, 8, 9]]

tIdx = 0 → trainIdx = 1

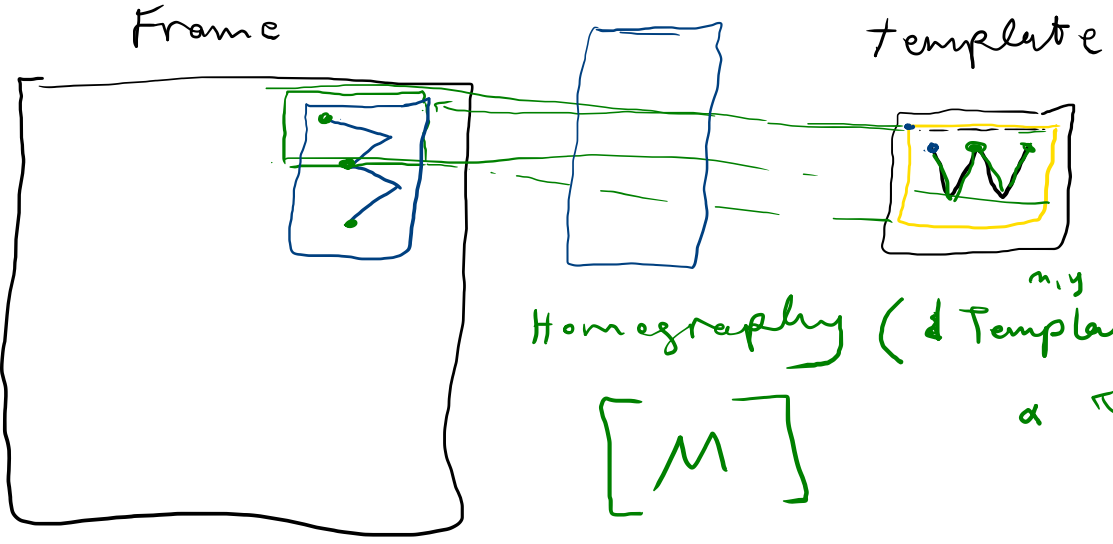
frame_desc = [[2, 3, 4], [5, 6, 7], [8, 9, 10], [11, 12, 13]]

m n

qIdx = 0
tIdx = 0
dst = 1.7

qIdx = 0
tIdx = 1
dst = $\sqrt{16 + 16 + 16} = \sqrt{48} = 7$

→ [[[0, 0, 1.7], [0, 1, 7]], [[1, 1, -], [1, 2, -]], ...

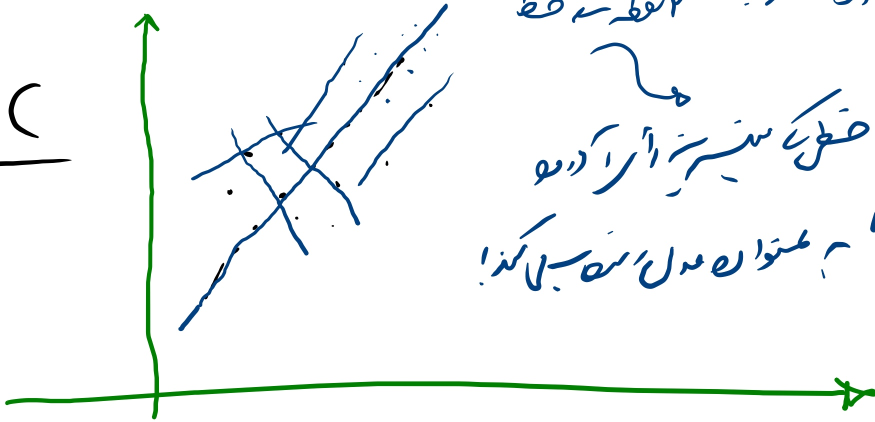


Homography ($\mathrm{Template}_{n,y}$, $\mathrm{Frame}_{n,y}$, RANSAC)

α ↖ ↗ α

$[M]$

RANSAC



۲ نقطه ← خط → نقاط روی خط‌ها

خطی که بیشترین آرا رو داره

می‌تونه مدل رو پیدا کنه!