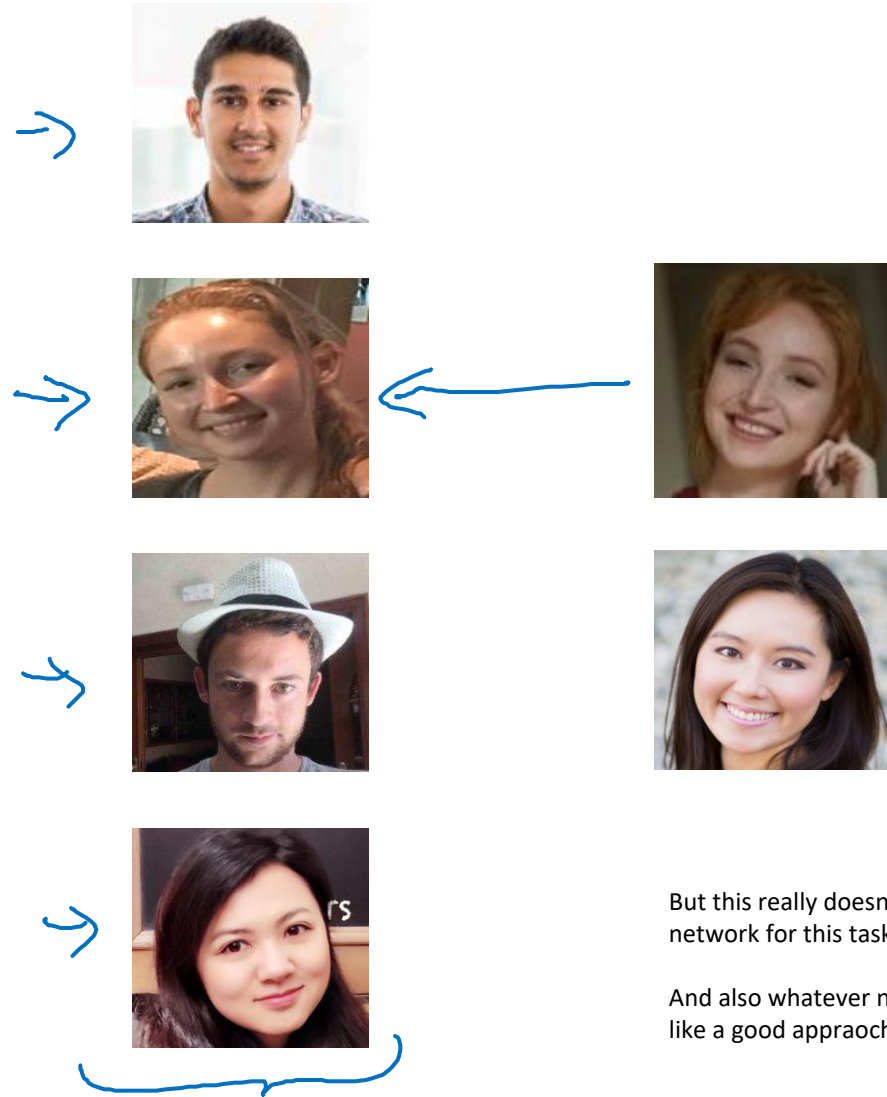Face recognition

One-shot learning
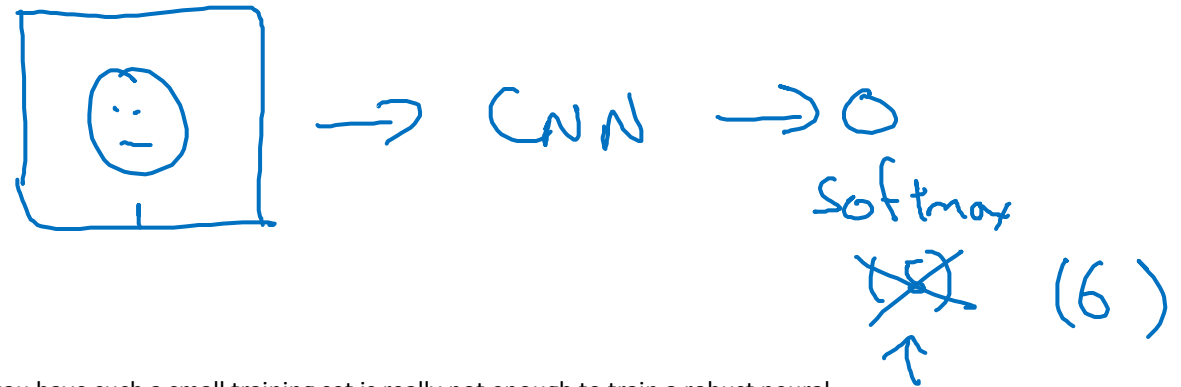
deeplearning.ai

One-shot learning

Learning from one example to recognize the person again

But this really doesn't work well because if you have such a small training set is really not enough to train a robust neural network for this task.

And also whatever new person joins your team, do you have to retrain the conv net every time, that just doesn't seem like a good appraoch.

Learning a "similarity" function
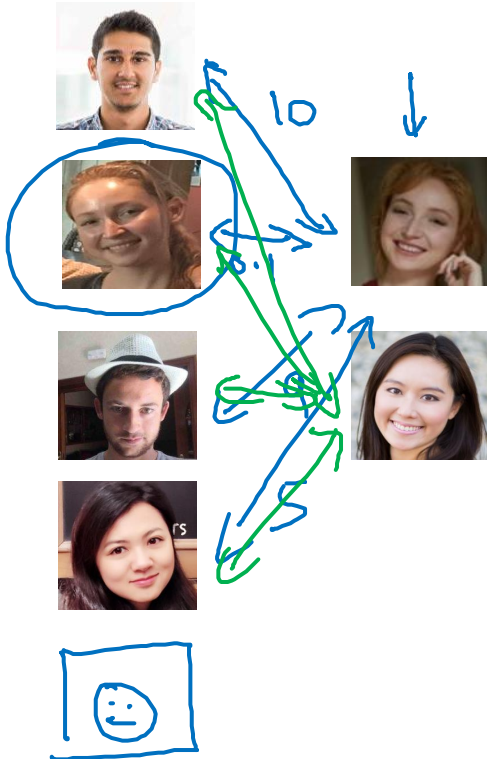
→ d(img1,img2) = degree of difference between images

If d(img1,img2) ≤ τ   "same" $\Bigg\}$ Verification.

           > τ   "different"

$d(img1, img2)$