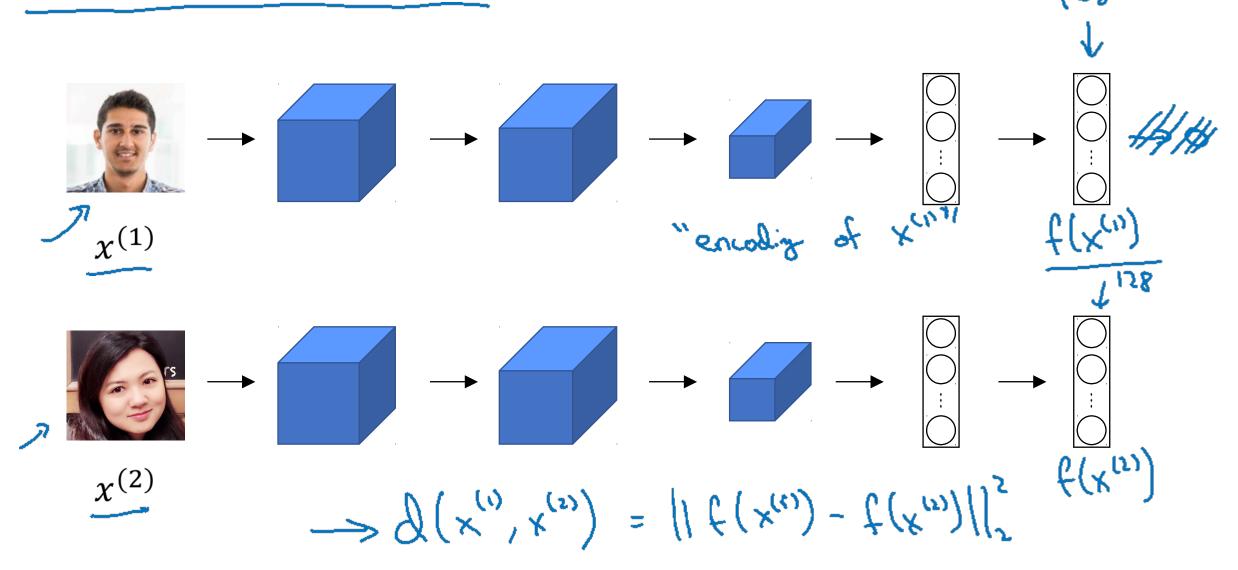


Face recognition

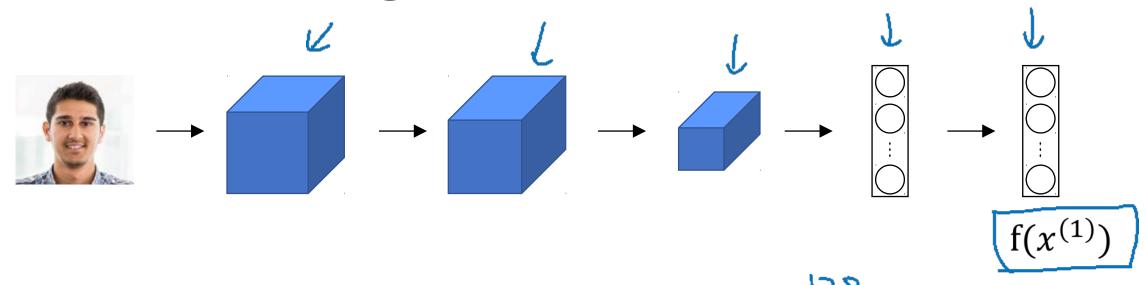
Siamese network

Siamese network





Goal of learning



Paparameters of Northefine anced in $g^{(i)}$

Learn parameters so that:

If
$$x^{(i)}$$
, $x^{(j)}$ are the same spersperspers $\|\mathbf{r}(x^{(i)})\|^2$ is small.

If $x^{(i)}$, $x^{(j)}$ are are different spers, $\|\mathbf{r}(x^{(i)})\|^2$ is large.