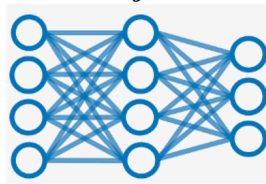


Original data  $\mathcal{T} = \{(x_i, y_i)\}_{i=1}^{|\mathcal{T}|}$



Parameter of network

$\theta^{\mathcal{T}}$



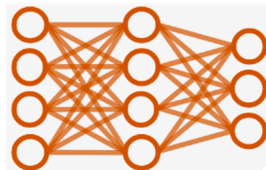
**Dataset  
distillation**



Synthetic data  $\mathcal{S} = \{(\hat{x}_j, \hat{y}_j)\}_{j=1}^{|\mathcal{S}|}$



$\theta^{\mathcal{S}}$



$$\mathcal{L}_{\mathcal{T}}(\theta^{\mathcal{S}}) \simeq \mathcal{L}_{\mathcal{T}}(\theta^{\mathcal{T}})$$