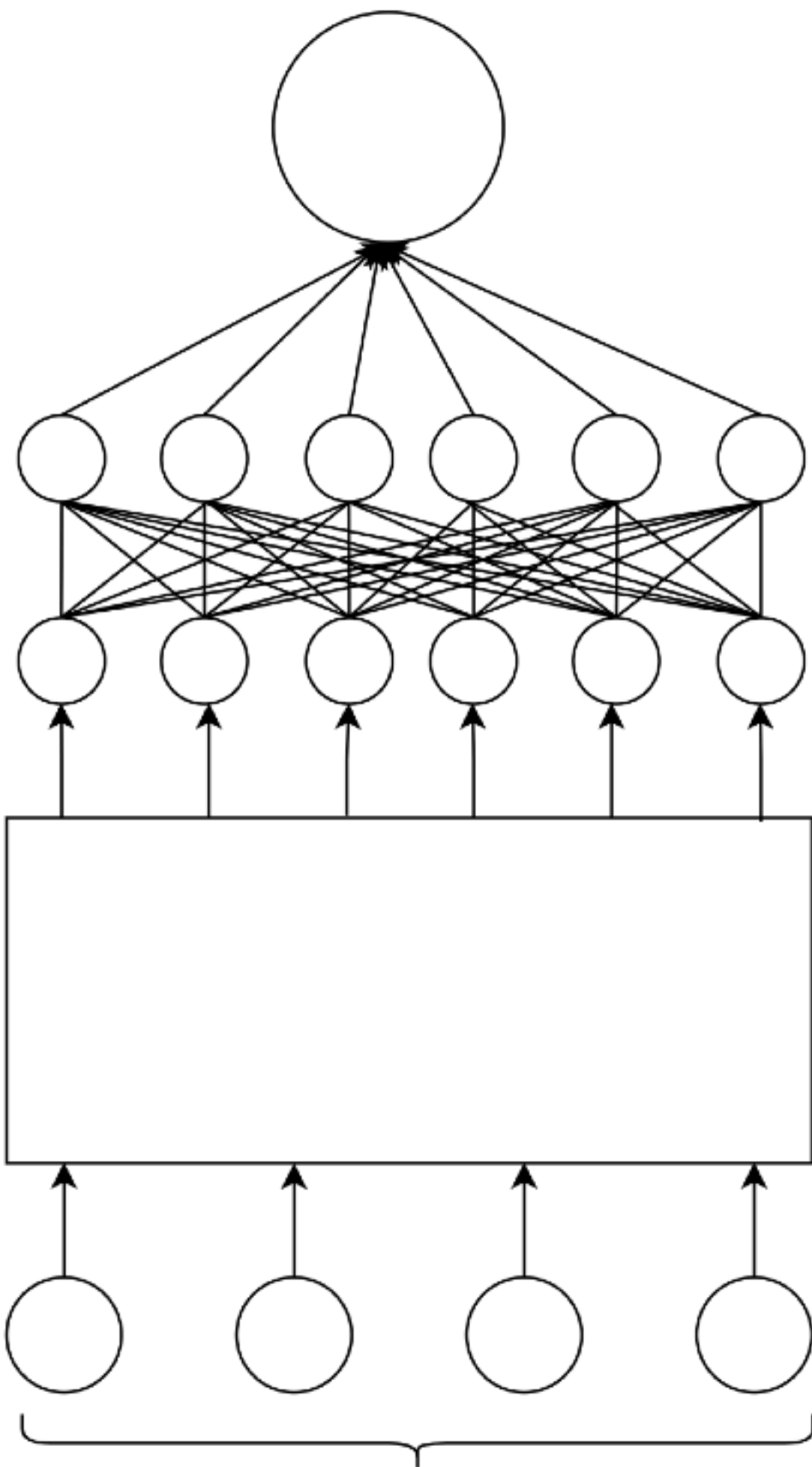


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Input: x

DNN Classifier

Model Parameters: θ

Second Last Layer/Logits: $\mathcal{H}(x)$



Class Probabilities: $\mathcal{P}_j(x) \equiv \text{softmax}(\mathcal{H}_i(x))$



$\mathcal{F}(x)$



$$\mathcal{F}(x) = \arg \max_j \mathcal{P}_j$$

SUCCESS OF DEEP NEURAL NETWORKS

- ▶ Computer Vision
 - ▶ Object Detection
 - ▶ Image Classification
 - ▶ Style Transfer
- ▶ Natural Language Processing
 - ▶ Machine Translation
 - ▶ Topic Modelling
 - ▶ Text Summary
- ▶ Decision Making
 - ▶ Self Driving Cars
 - ▶ Alpha Go

