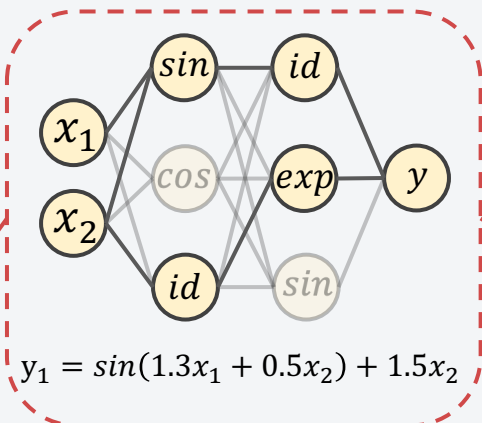
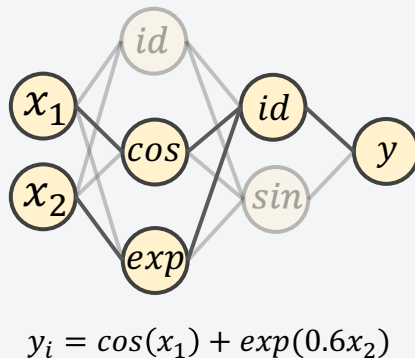


2. Instantiate and train DySYMNET via backpropagation and weight pruning

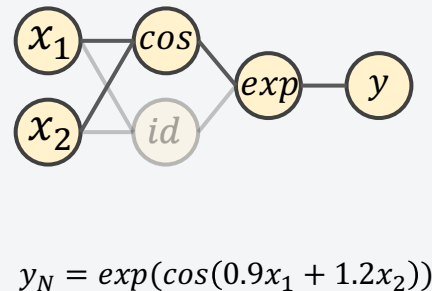
DySYMNET:



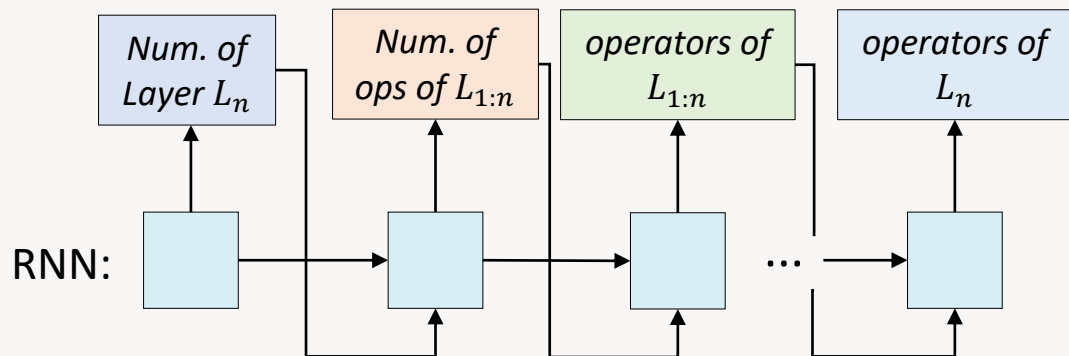
...



...



1. Sample N DySYMNET descriptions autoregressively via RNN



3. Refine Constant and train RNN via risk-seeking policy gradient with entropy

$$\tilde{f}_i^*(x) = \text{BFGS}(y_i)$$

$$\nabla_{\theta} J(\theta; \varepsilon) \approx \frac{1}{\varepsilon N} \sum_{i=1}^N [R(\tilde{f}_i^* | \mathcal{D}) - R_{\varepsilon}] \cdot \mathbf{1}_{R \geq R_{\varepsilon}} \nabla_{\theta} \log p(\tilde{f}_i^* | \theta)$$

$$\nabla_{\theta} \mathcal{H}(\theta) = \lambda_H \sum_{i=1}^N \nabla_{\theta} \mathcal{H}(\tilde{f}_i^* | \theta)$$