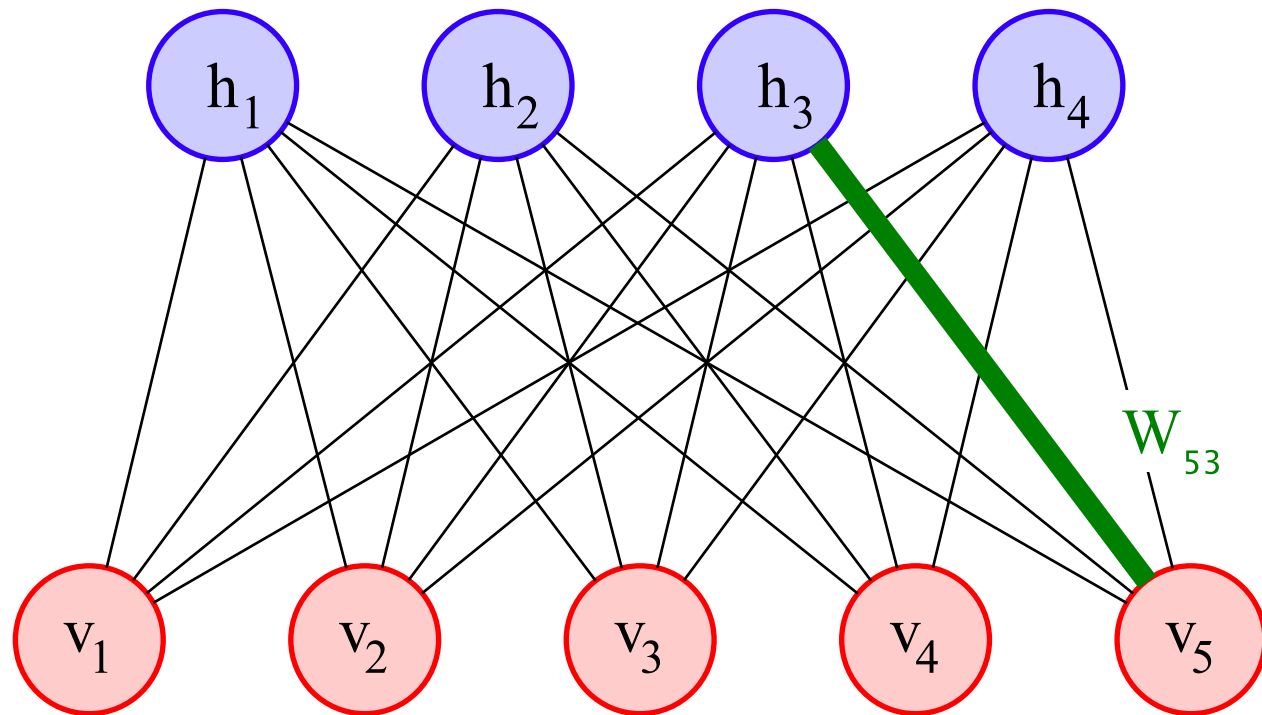


Biases: $\mathbf{c} = [c_1, c_2, c_3, c_4]$

Weights: $\mathbf{W} = \begin{bmatrix} W_{11} & \dots & W_{14} \\ \vdots & \ddots & \vdots \\ W_{51} & \dots & W_{54} \end{bmatrix}$

Biases: $\mathbf{b} = [b_1, b_2, b_3, b_4, b_5]$



Hidden nodes

Visible nodes

Parameters:

$$\theta = \{\mathbf{b}, \mathbf{c}, \mathbf{W}\}$$

Energy:

$$E_{\theta}(\mathbf{v}, \mathbf{h}) = -\mathbf{b}^T \mathbf{v} - \mathbf{c}^T \mathbf{h} - \mathbf{v}^T \mathbf{W} \mathbf{h}$$