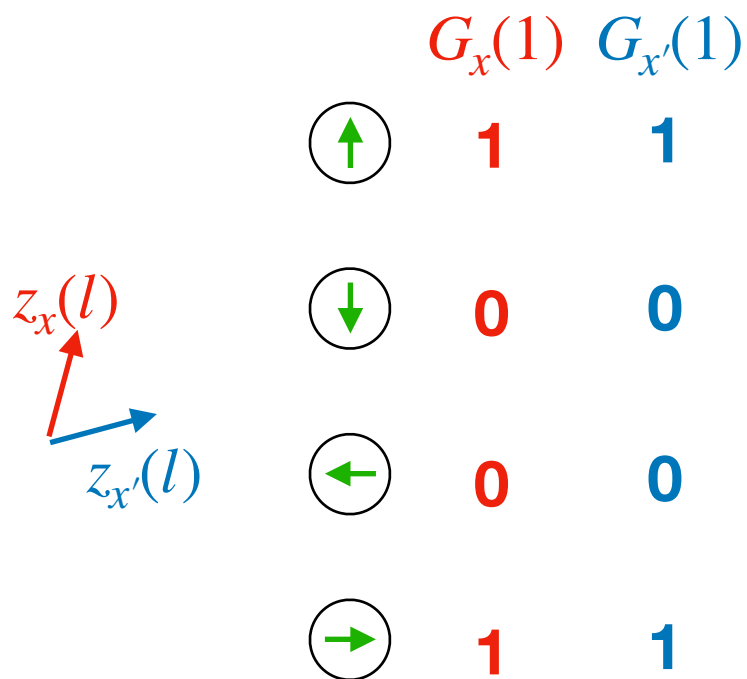
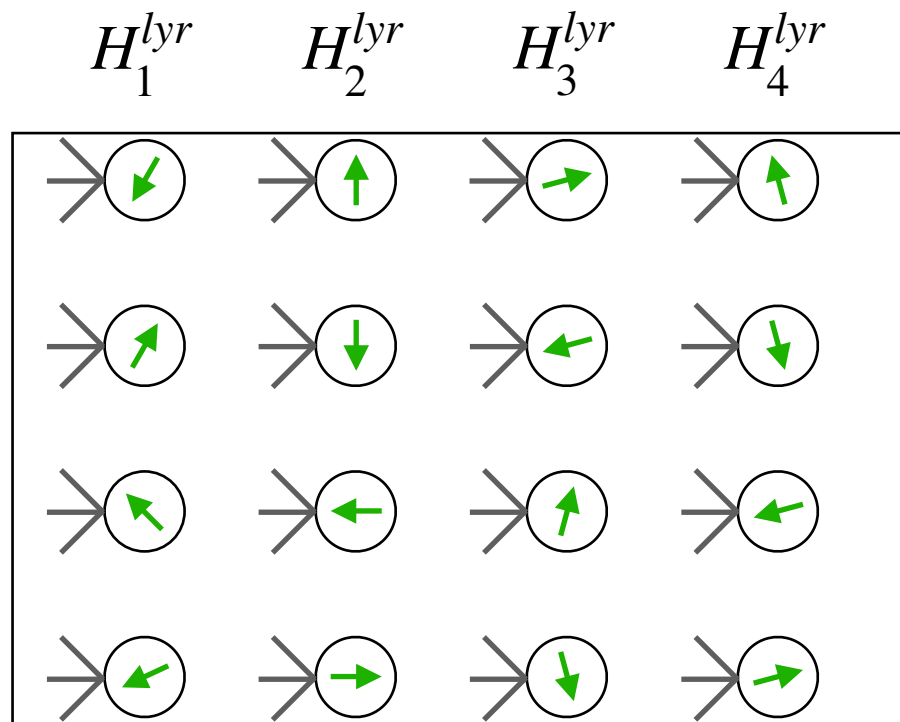


## Gates in Layer 1



## Gating Network



## Base Kernel from Layer 1

$$\frac{H_l^{lyr}(x, x')}{w} = \frac{\langle G_x(l), G_{x'}(l) \rangle}{4} = \frac{2}{4}$$

## Hadamard Product of Base Kernels

$$K^v = \langle x, x' \rangle \cdot \prod_{l=1}^{d-1} \frac{H_l^{lyr}(x, x')}{w}$$