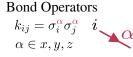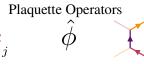# The Kitaev Model, Visually

Bond Operators

$k_{ij} = \sigma_i^\alpha \sigma_j^\alpha$ $\quad i$

$\alpha \in x, y, z$

$\qquad\qquad\qquad\qquad \alpha$

$\qquad\qquad\qquad\qquad\qquad j$

Plaquette Operators

$\hat{\phi}$

The Hamiltonian

$H = \sum_{\text{bonds}} J^\alpha k_{ij}$

Bond Types

x

y

z

Loop Operators

$\hat{W}_p$