# The Kitaev Model, Visually



**Bond Operators**

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

$\alpha \in x, y, z$

$i \xrightarrow{\alpha} j$

**Bond Types**

$\longleftarrow\; x$

$\longleftarrow\; y$

$\longleftarrow\; z$

**Plaquette Operators**

$\hat{\phi}$

**Loop Operators**

$\hat{W}_p$

**The Hamiltonian**

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