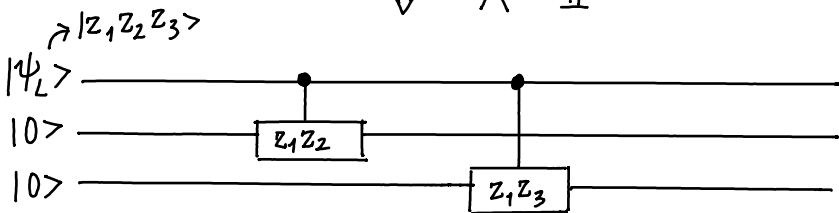


$$\Downarrow \quad X^2 \propto \mathbb{I}$$



$$Z_i Z_j = \begin{cases} +1 \\ -1 \end{cases}$$

Physical qubits  $i$  and  $j$  have identical parity

Physical qubits  $i$  and  $j$  have opposing parity