



$$W_x = \prod_{C_x} Z \quad , \quad W_y = \prod_{C_y} Z$$

$$V_x = \prod_{\bar{C}_x} X \quad , \quad V_y = \prod_{\bar{C}_y} X$$

$$V_x W_y = -W_y V_x \quad , \quad V_y W_x = -W_x V_y$$

and all other pairs commute.

$$[\mathcal{H}_{\mathbb{Z}_2}, V_x] = [\mathcal{H}_{\mathbb{Z}_2}, V_y] = 0$$