

 $\eta_1^2 = \eta_2^2 \neq 0 = \omega n s \neq \cdot = \frac{1}{2}$

 $\eta_1 \eta_2 + \eta_2 \eta_1 = 0$

$$C = \eta_1 + 2\eta_2$$

$$\{c,c^{\dagger}\}=2$$

$$\Rightarrow$$
 $cc^{\dagger} + c^{\dagger}c = 1$

$$\Rightarrow \int \eta^2 + \eta^2 = 2$$

define

$$b^{2}$$
, b^{2} , b^{2} , c on each site \rightarrow 4 majoroma fermions
$$(b^{2})^{2}$$
, $()^{2}$ - - = 1

 $\eta_{j}^{t} = \eta_{j}$

n2 += n2

$$X = i b^{\alpha} c$$

$$Z = i b^2 c$$

dim now:
$$(\sqrt{2})^4 = 4$$

const. X 7= ; Z

$$\Rightarrow /XYZ = 2 \Rightarrow /b^2b^3b^2c = 1 \Rightarrow sq veros \neq 0 1$$
but if we pick

one ex - makes Hilbert space is /2 ed.

