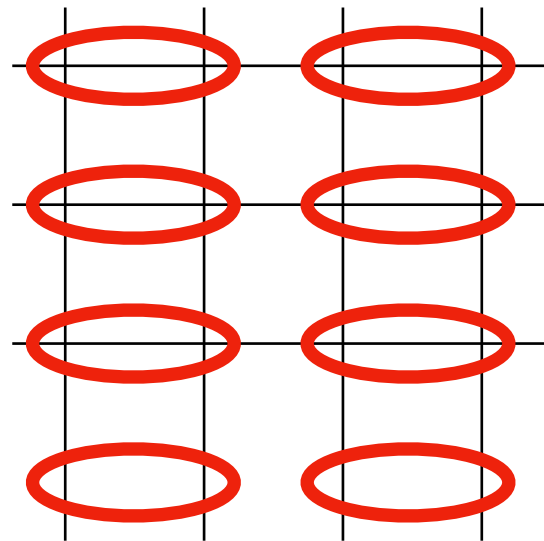


Néel,  $\eta_i \langle \mathbf{S}_i \rangle \neq 0$



$$\text{Red Oval} = \frac{1}{\sqrt{2}} (|\uparrow\downarrow\rangle - |\downarrow\uparrow\rangle)$$

Valence bond solid

$g_c$

$g$