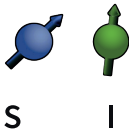


## Two Coupled Spins



$S = \{ \text{'val': } 1/2, \text{'name': 'S'} \}$

$I = \{ \text{'val': } 1/2, \text{'name': 'I'} \}$

$$\mathcal{H} = \mathcal{H}_S \otimes \mathcal{H}_I$$

$$\begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix} \otimes \begin{bmatrix} \bullet & \bullet \\ \bullet & \bullet \end{bmatrix} = \begin{bmatrix} \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet \\ \bullet & \bullet & \bullet & \bullet \end{bmatrix}$$

`s = sos.System([S, I])`