

$$\left[\hat{\mathbf{h}}_l,\hat{\mathbf{h}}_m\right]=0$$

$$\left[\hat{\mathbf{h}}_l^\dagger,\hat{\mathbf{h}}_m^\dagger\right]=0$$

$$\left[\hat{\mathbf{h}}_l,\hat{\mathbf{h}}_m^\dagger\right]=\left(1-2\cdot\hat{\mathbf{h}}_m^\dagger\hat{\mathbf{h}}_m\right)\cdot\delta_{l,m}$$

$$\left(\hat{\mathbf{h}}_l^\dagger\hat{\mathbf{h}}_l\right)^n=\hat{\mathbf{h}}_l^\dagger\hat{\mathbf{h}}_l\qquad\forall n\in\mathbb{N}$$