

$$\langle \bar{\Phi}_0 | \hat{H} | \bar{\Phi}_0 \rangle:$$

$$\langle i | \hat{h}_0 | i \rangle: \text{Diagram showing a circle with index } i \text{ and a dashed line ending in } x$$

$$\langle ij | \hat{V} | ij \rangle_{AS}: \text{Diagram showing two circles with indices } i \text{ and } j \text{ connected by a dashed line, plus a diagram showing a circle with indices } i \text{ and } j \text{ connected by a dashed line and a loop}$$

$$\langle \bar{\Phi}_0 | \hat{H} | \bar{\Phi}_i^a \rangle:$$

$$\langle i | \hat{h}_0 | a \rangle: \text{Diagram showing a circle with index } i \text{ and a dashed line ending in } x, \text{ with arrows indicating indices } a \text{ and } i$$

$$\langle ij | \hat{V} | aj \rangle_{AS}: \text{Diagram showing two circles with indices } i \text{ and } j \text{ connected by a dashed line, plus a diagram showing a circle with indices } i \text{ and } j \text{ connected by a dashed line and a loop, with arrows indicating indices } a \text{ and } i$$