

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

$$\langle i | \hat{h}_0 | i \rangle: \text{diagram of a circle with index } i \text{ and a dashed line to } x$$

$$\langle ij | \hat{V} | ij \rangle_{AS}: \text{diagram of two circles with indices } i \text{ and } j \text{ connected by a dashed line} + \text{diagram of a lens shape with indices } i \text{ and } j$$

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

$$\langle i | \hat{h}_0 | a \rangle: \text{diagram of a circle with index } i \text{ and a dashed line to } x, \text{ with an arrow labeled } a \text{ pointing to the circle}$$

$$\langle ij | \hat{V} | aj \rangle_{AS}: \text{diagram of two circles with indices } i \text{ and } j \text{ connected by a dashed line, with an arrow labeled } a \text{ pointing to the circle } i + \text{diagram of a lens shape with indices } i \text{ and } j \text{ and an arrow labeled } a \text{ pointing to the circle } i$$