

$$\begin{array}{ccc} \text{---} & \xleftarrow{\hat{S}^{\beta\beta\beta+}} & \text{---} \\ |\beta\beta\beta\rangle |\beta\rangle & & |\beta\beta\beta\rangle |\alpha\rangle \end{array}$$

$$\begin{array}{ccc} \text{---} & \xleftarrow{\hat{S}^{\alpha\beta\beta_1+}} & \text{---} \\ |\alpha\beta\beta_1\rangle |\beta\rangle & & |\alpha\beta\beta_1\rangle |\alpha\rangle \end{array}$$

$$\begin{array}{ccc} \text{---} & \xleftarrow{\hat{S}^{\alpha\alpha\beta_1+}} & \text{---} \\ |\alpha\alpha\beta_1\rangle |\beta\rangle & & |\alpha\alpha\beta_1\rangle |\alpha\rangle \end{array}$$

$$\begin{array}{ccc} \text{---} & \xleftarrow{\hat{S}^{\alpha\alpha\alpha+}} & \text{---} \\ |\alpha\alpha\alpha\rangle |\beta\rangle & & |\alpha\alpha\alpha\rangle |\alpha\rangle \end{array}$$

$$\begin{array}{ccc} \text{---} & \xleftarrow{\hat{S}^{\alpha\beta\beta_2+}} & \text{---} \\ |\alpha\beta\beta_2\rangle |\beta\rangle & & |\alpha\beta\beta_2\rangle |\alpha\rangle \end{array}$$

$$\begin{array}{ccc} \text{---} & \xleftarrow{\hat{S}^{\alpha\alpha\beta_2+}} & \text{---} \\ |\alpha\alpha\beta_2\rangle |\beta\rangle & & |\alpha\alpha\beta_2\rangle |\alpha\rangle \end{array}$$

$$\begin{array}{ccc} \text{---} & \xleftarrow{\hat{S}^{\alpha\beta\beta_3+}} & \text{---} \\ |\alpha\beta\beta_3\rangle |\beta\rangle & & |\alpha\beta\beta_3\rangle |\alpha\rangle \end{array}$$

$$\begin{array}{ccc} \text{---} & \xleftarrow{\hat{S}^{\alpha\alpha\beta_3+}} & \text{---} \\ |\alpha\alpha\beta_3\rangle |\beta\rangle & & |\alpha\alpha\beta_3\rangle |\alpha\rangle \end{array}$$