

$$B_p^s \left| \begin{array}{c} \text{a} \quad \text{b} \quad \text{c} \\ \text{g} \quad \text{h} \quad \text{i} \\ \text{f} \quad \text{k} \quad \text{e} \quad \text{d} \end{array} \right\rangle = \left| \begin{array}{c} \text{a} \quad \text{b} \quad \text{c} \\ \text{g} \quad \text{h} \quad \text{i} \\ \text{f} \quad \text{k} \quad \text{e} \quad \text{d} \\ \text{s} \end{array} \right\rangle = \sum_{g'h'i'j'k'l'} F_{s^*sg'^*}^{gg^*0} F_{s^*sh'^*}^{hh^*0} F_{s^*si'^*}^{ii^*0} F_{s^*sj'^*}^{jj^*0} F_{s^*sk'^*}^{kk^*0} F_{s^*sl'^*}^{ll^*0} \left| \begin{array}{c} \text{a} \quad \text{b} \quad \text{c} \\ \text{g}' \quad \text{h}' \quad \text{i}' \\ \text{f}' \quad \text{k}' \quad \text{e}' \quad \text{d}' \\ \text{s} \quad \text{s} \quad \text{s} \quad \text{s} \quad \text{s} \quad \text{s} \end{array} \right\rangle$$

$$= \sum_{g'h'i'j'k'l'} F_{s^*sg'^*}^{gg^*0} F_{s^*sh'^*}^{hh^*0} F_{s^*si'^*}^{ii^*0} F_{s^*sj'^*}^{jj^*0} F_{s^*sk'^*}^{kk^*0} F_{s^*sl'^*}^{ll^*0} F_{s^*h'g'^*}^{bg^*h} F_{s^*i'h'^*}^{ch^*i} F_{s^*j'i'^*}^{di^*j} F_{s^*k'j'^*}^{ej^*k} F_{s^*l'k'^*}^{fk^*l} F_{s^*g'l'^*}^{al^*g} \left| \begin{array}{c} \text{a} \quad \text{b} \quad \text{c} \\ \text{g}' \quad \text{h}' \quad \text{i}' \\ \text{f}' \quad \text{k}' \quad \text{e}' \quad \text{d}' \\ \text{s} \quad \text{s} \quad \text{s} \quad \text{s} \quad \text{s} \quad \text{s} \end{array} \right\rangle$$

$$= \sum_{g'h'i'j'k'l'} F_{s^*h'g'^*}^{bg^*h} F_{s^*i'h'^*}^{ch^*i} F_{s^*j'i'^*}^{di^*j} F_{s^*k'j'^*}^{ej^*k} F_{s^*l'k'^*}^{fk^*l} F_{s^*g'l'^*}^{al^*g} \left| \begin{array}{c} \text{a} \quad \text{b} \quad \text{c} \\ \text{g}' \quad \text{h}' \quad \text{i}' \\ \text{f}' \quad \text{k}' \quad \text{e}' \quad \text{d}' \end{array} \right\rangle$$