

$$\begin{array}{ccc}
 \Delta_{\{i+1,k\}}^G & \xrightarrow{\text{Isomorphism}} & \Delta_{\{i,i+1,k\}}^G \\
 \downarrow & & \downarrow \\
 \Delta_{\{i+1\}}^G & \xrightarrow{\quad\quad\quad} & \Delta_{\{i\}}^G
 \end{array}$$