$$\coprod_{\lambda \in \Lambda} |\partial \Delta^n| \xrightarrow{\coprod_{\lambda \in \Lambda} i^n} \coprod_{\lambda \in \Lambda} |\Delta^n|$$

$$\downarrow^{(a_n^{\lambda})} \qquad \qquad \downarrow^{\text{PO}} \qquad \downarrow^{\text{RO}}$$

$$K_{n-1} \xrightarrow{K_n} K_n$$