$$\begin{array}{c|c} \Delta^1 \times \Lambda^n_k \\ \downarrow \\ \Lambda^n_k \end{array} \qquad \begin{array}{c} \downarrow \\ \downarrow \\ \downarrow \\ \downarrow \\ \Delta^n \end{array} \qquad \begin{array}{c} \uparrow \\ \downarrow \\ \downarrow \\ \Delta^1 \times \Delta^n \end{array} \qquad \begin{array}{c} \uparrow \\ \downarrow \\ \downarrow \\ \downarrow \\ \Delta^n \end{array} \qquad \begin{array}{c} \uparrow \\ \downarrow \\ \downarrow \\ \downarrow \\ \downarrow \\ \downarrow \end{array} \qquad \begin{array}{c} \uparrow \\ \downarrow \\ \downarrow \\ \downarrow \\ \downarrow \\ \downarrow \end{array} \qquad \begin{array}{c} \uparrow \\ \downarrow \\ \downarrow \\ \downarrow \\ \downarrow \\ \downarrow \end{array}$$