$$\begin{array}{ccccc}
h_1^{*-1}(\bigvee_{k \in K} S^n) & \xrightarrow[\cong]{\Sigma} & h_1^*(\Sigma \bigvee_{k \in K} S^n) & \xrightarrow{f^*} & h_1^*(\bigvee_{j \in J} S^{n+1}) \\
T_{\bigvee_{k \in K} S^n} \downarrow \cong & & T_{\Sigma \bigvee_{k \in K} S^n} \downarrow \cong & & \cong \downarrow T_{\bigvee_{j \in J} S^{n+1}} \\
h_2^{*-1}(\bigvee_{k \in K} S^n) & \xrightarrow[\Sigma]{\cong} & h_2^*(\Sigma \bigvee_{k \in K} S^n) & \xrightarrow{f^*} & h_2^*(\bigvee_{j \in J} S^{n+1})
\end{array}$$