$$h_1^n(X^{(n)}/X^{(n-1)}) \xrightarrow{f_n^*} h_1^n(\bigvee_{i \in I_n} S^n)$$

$$T_{X,n} \downarrow \qquad \qquad \cong \downarrow T_{\bigvee_{i \in I_n} S^n}$$

$$h_2^n(X^{(n)}/X^{(n-1)}) \xrightarrow{g_n^*} h_2^n(\bigvee_{i \in I_n} S^n)$$

 $T_{X,n}$