$$\cdots \longrightarrow H_{n+1}(X^{n-1}) \longrightarrow H_{n+1}(X^n) \longrightarrow H_{n+1}(X^n/X^{n-1}) \longrightarrow H_n(X^n) \longrightarrow H_n(X^n/X^{n-1}) \longrightarrow \cdots$$