

$$\begin{array}{ccc}
 \pi_n(\bigvee_{i \in I} S^n) & \xrightarrow[\cong]{\bigoplus r_{i*}} & \bigoplus_{i \in I} \pi_n(S^n) \\
 \downarrow h & & \downarrow \bigoplus_{i \in I} h \\
 H_n(\bigvee_{i \in I} S^n) & \xrightarrow[\bigoplus r_{i*}]{\cong} & \bigoplus_{i \in I} H_n(S^n)
 \end{array}$$