

$$\bigoplus_a \mathcal{H} \left( \left( \begin{array}{c} \text{An annulus } M \text{ with an inner hole } a \text{ and a boundary point } \dots \\ \text{A disk } N \text{ with a boundary point } \hat{a} \end{array} \right) \right)$$

$$\xrightarrow{\cong} \mathcal{H} \left( \left( \begin{array}{c} \text{A disk } M \text{ containing a dashed disk } N \text{ and a boundary point } \dots \end{array} \right) \right)$$