

$$a \otimes b \in H_*^G \otimes H_{*'}^G$$

$$\uparrow$$

$$\tilde{a} \otimes \tilde{b} \in C_*^G \otimes C_{*'}^G$$

$$\downarrow \textit{Res} \otimes \textit{Res}$$

$$\textit{Res}(\tilde{a}) \otimes \textit{Res}(\tilde{b}) \in C_{*'}^e \otimes C_*^e$$

$$\textit{Res} \uparrow$$

$$\tilde{a} \times \tilde{b} \in (C_* \otimes C_{*'})^G$$

$$\downarrow$$

$$ab \in H_{*+*'}^G$$