$$C_*^e(X) \otimes C_*^e(S^V) \otimes C_*^e(S^W)$$

$$\downarrow^{1 \otimes 1 \otimes (-)^*}$$

$$C_*^e(X) \otimes C_*^e(S^V) \otimes C_{-*}^e(S^{-W})$$

$$\downarrow^{\otimes}$$

$$C_*^e(\Sigma^{V-W}X) \xrightarrow{H_*} H_{*-(V-W)}^e(X)$$

$$\downarrow^{Tr}$$

$$C_*^{C_2}(\Sigma^{V-W}X) \xrightarrow{H_*} H_{*-(V-W)}^{C_2}(X)$$

$$\downarrow^{Tr}$$

$$C_*^{C_4}(\Sigma^{V-W}X) \xrightarrow{H_*} H_{*-(V-W)}^{C_4}(X)$$