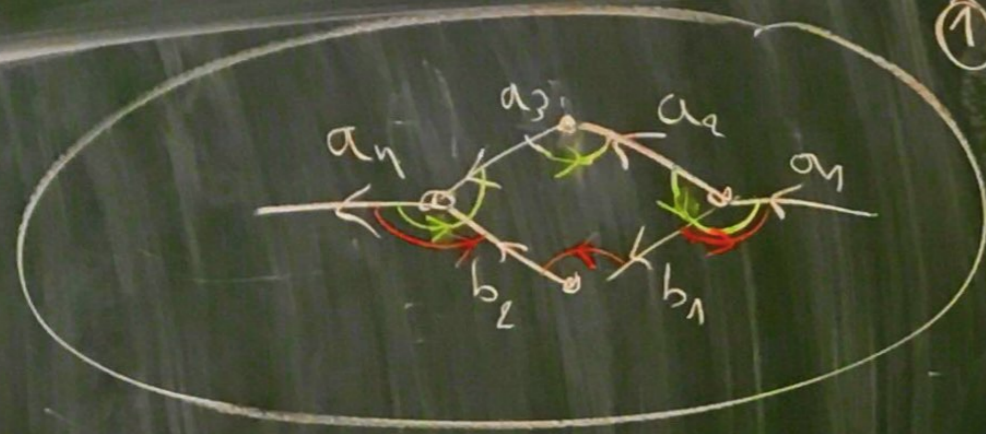



let Σ be a marked surface
and choose an arc collection that contains



① Show that
 $(a_1 \oplus a_2 \oplus a_3 \oplus a_4, \text{green})$

and
 $(a_1 \oplus b_1 \oplus b_2 \oplus a_4, \text{red})$

are quasi-isom in TWA

let Σ' be the disk with 1 marked point in the middle and one on the boundary
 Show that $Fuk \Sigma' \cong D_{mod}(\mathbb{C}[X])$ (identify string and band objects)

$\Sigma =$  Show that $Fuk \Sigma \cong D_{mod}(\mathbb{C}[X] * \mathbb{Z}/2) = \frac{\mathbb{C}\langle X, g \rangle}{\langle g^2 - 1, gX + Xg \rangle}$