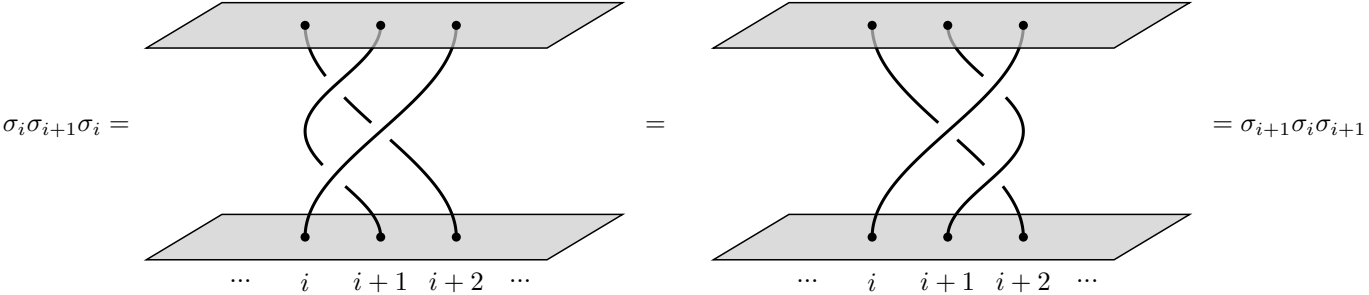
$\sigma_i\sigma_{i+1}\sigma_i =$
$\cdots$ i $i+1$ $i+2$ $\cdots$
$=$
$\cdots$ i $i+1$ $i+2$ $\cdots$
$= \sigma_{i+1}\sigma_i\sigma_{i+1}$