

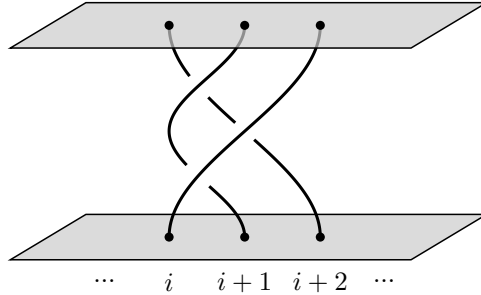
$$\sigma_i \sigma_{i+1} \sigma_i =$$


Diagram illustrating the braid relation  $\sigma_i \sigma_{i+1} \sigma_i$ . The strands are labeled  $i$ ,  $i+1$ , and  $i+2$ . The strands  $i$  and  $i+1$  cross twice, and strand  $i+1$  crosses strand  $i+2$  once.

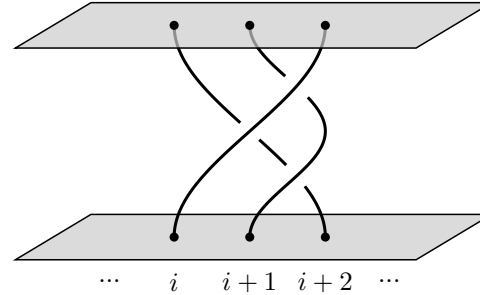
$$=$$


Diagram illustrating the braid relation  $\sigma_{i+1} \sigma_i \sigma_{i+1}$ . The strands are labeled  $i$ ,  $i+1$ , and  $i+2$ . The strands  $i+1$  and  $i+2$  cross twice, and strand  $i$  crosses strand  $i+1$  once.

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