

$$\sigma_1^{-1} \sigma_1 = \text{Diagram 1} = \text{Diagram 2} = \text{Diagram 3} = \text{Diagram 4}$$

Diagram 1: A red diagram consisting of two vertical strands. The left strand has a loop that crosses over itself, and the right strand has a loop that crosses under itself. The two strands are connected by a horizontal line at the top and bottom.

Diagram 2: A red diagram consisting of two vertical strands. The left strand has a loop that crosses over itself, and the right strand has a loop that crosses under itself. The two strands are connected by a horizontal line at the top and bottom.

Diagram 3: A red diagram consisting of two vertical strands. The left strand has a loop that crosses over itself, and the right strand has a loop that crosses under itself. The two strands are connected by a horizontal line at the top and bottom.

Diagram 4: A red diagram consisting of two vertical strands. The left strand has a loop that crosses over itself, and the right strand has a loop that crosses under itself. The two strands are connected by a horizontal line at the top and bottom.