

Diagram illustrating the construction of a 6-strand braid from a 5-strand braid, showing the sequence of operations and the resulting braid structure.

The diagram is organized into three rows of braid diagrams, with labels indicating the sequence of operations and the resulting braid structure.

Top Row: The initial braid structure is shown, labeled "2-3 4-1-6-5". The strands are labeled 2, 3, 4, 1, 6, 5. The braid is composed of two parts: a 5-strand braid (2-3 4-1-6-5) and a 6-strand braid (2-3 4-1-6-5).

Middle Row: The braid structure is shown after the first operation, labeled "2 3 4-1-6 5". The strands are labeled 2, 3, 4, 1, 6, 5. The braid is composed of two parts: a 5-strand braid (2 3 4-1-6 5) and a 6-strand braid (2 3 4-1-6 5).

Bottom Row: The braid structure is shown after the second operation, labeled "2 3 4-1-6 5". The strands are labeled 2, 3, 4, 1, 6, 5. The braid is composed of two parts: a 5-strand braid (2 3 4-1-6 5) and a 6-strand braid (2 3 4-1-6 5).

The diagram illustrates the construction of a 6-strand braid from a 5-strand braid, showing the sequence of operations and the resulting braid structure.