

$$G_{12}^k = \text{Diagram 1} = \text{Diagram 2}$$

Diagram 1: A thick horizontal line with an arrow pointing to the right. The label 1 is above the left end, 2 is above the right end, and k is below the arrow.

Diagram 2: A thick horizontal line with an arrow pointing to the right. The label 1 is above the left end, k is below the arrow, a is above the line to the right of the arrow, and 2 is above the right end. The line segment between the arrow and the circle is thin, while the line segment after the circle is thick. A circle labeled Σ_{ab}^k is on the thick segment.