

$$-\Sigma_{12} = \delta_{12} \left( \text{Diagram 1} + \text{Diagram 2} + \text{Diagram 3} + \text{Diagram 4} + \dots \right)$$

The diagrams are:

- Diagram 1:** A vertical wavy line with a fermion loop at the top. The bottom vertex is labeled 3, and the top vertex is labeled 4.
- Diagram 2:** A horizontal fermion line with a wavy loop above it. The left vertex is labeled 3, and the right vertex is labeled 4.
- Diagram 3:** A horizontal fermion line with a fermion loop above it. The left vertex is labeled 3, and the right vertex is labeled 5. The top-left vertex of the loop is labeled 4, and the top-right vertex is labeled 6.
- Diagram 4:** A horizontal fermion line with two wavy loops above it. The vertices are labeled 3, 5, 4, and 6 from left to right.