

The diagram illustrates a sum of three tree-level Feynman diagrams, each featuring a shaded internal line segment. The diagrams are labeled c_i , c_j , and c_k below them. The first diagram, c_i , shows a shaded horizontal line connecting two vertices, with the label s_i above it. The second diagram, c_j , shows a shaded vertical line connecting two vertices, with the label s_j to its right. The third diagram, c_k , shows a shaded horizontal line connecting two vertices, with the label s_k above it. The diagrams are summed together, as indicated by the plus signs and the final equals zero.

$$c_i + c_j + c_k = 0$$