

$$S[\psi, \phi] = \overset{-1}{\text{---}\text{---}\text{---}} + \overset{-1}{\text{---}\text{---}\text{---}} + \overset{-1}{\text{---}\text{---}\text{---}} + \text{---}\text{---}\text{---} + \text{---}\text{---}\text{---}$$

The image shows the expansion of the action  $S[\psi, \phi]$  into a series of Feynman diagrams. The first three terms are tadpoles, each with a coefficient of  $-1$ . The fourth term is a self-energy loop diagram with a dashed green line. The fifth term is a self-energy loop diagram with a dashed green line and two external lines (one blue, one red).