1   **Read section 11.3 of Peskin and Schroeder** (it is mostly discussion and can be understood without reading the rest of the chapter, just ignore the very first paragraph)

1 Consider the theory:

$$S[\phi] = \frac{1}{2} \phi_i \, \Delta^{-1}_{ij} \, \phi_j + \frac{\lambda}{3!} \sum_i \phi_i^3$$

in the presence of sources J_i. Write down the perturbative diagrams for the classical equation of motion up to (including) order λ^3.