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Consider the theory:

(Nastase 17.2)

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

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