Looking at the heat capacity new the transition: 29/4/2018. $0^{2}F = \frac{2Z^{2}}{\eta T} \frac{\lambda U}{\lambda T} + ... \leftarrow$ other term which depend on $Z^{2}(T)$ having a temperature dependence-.. To avoid phase transition want to have 25 mutch on both side, of To. i.e. womt 725 - 30 as ... D-30. * Have to justify why de to or remove phase trunition. . Then show the form of a vs. T Now go into weindness of solving with $K \to K = \tilde{K}$ Show the pomentic plot \sim Obviously nuclear no sense. Tulk whom restration on K to be physical.

$$F^{K} = -4T Re \ln \left[- \right] + \frac{2\Delta}{2T} + \kappa \lambda_{SC} - T \ln \left[+ e^{\hbar k \lambda_{SC}} \right]$$

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$$\lambda_{s,c} = \frac{1-2k}{k(1-k)} \cdot \frac{2\Delta}{TT} \quad \text{and} \quad \text{governorshy} \quad \frac{\gamma^{c} F_{in}}{\gamma T^{2}} = \frac{2}{TT} \cdot \frac{\Delta D}{\Delta T} \quad e \quad \Delta I = 0$$

$$\frac{\delta^{2} F_{in}}{\delta T^{2}} |_{\Delta=0} = -\beta K \quad d\lambda_{\infty} - \frac{1}{2}\beta K^{2} \quad \left(\frac{\delta \lambda_{\infty}}{\Delta T}\right)^{2}$$

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