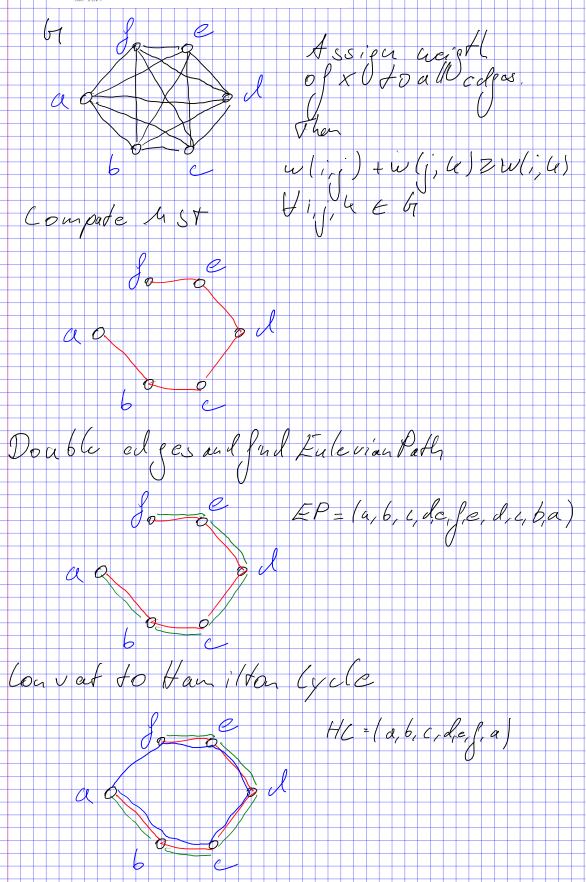
4 MST - Approximation (Niveau I)

 Construct a complete graph with at least 6 nodes that satisfies the triangle inequality and apply the MST- approximation algorithm to approximate the optimal solution of the TSP.



2. Prove that the MST-approximation is a 2-approximation of the TSP

The Minimal spanning Tree is by definition a graph, with course cts all models aby dis and in all over all carefuls.

min Zw(e) e EST ST = Spaning The

By doubling all clases the layth

2.2 w(e)

Thus it is a 2- aporoxination