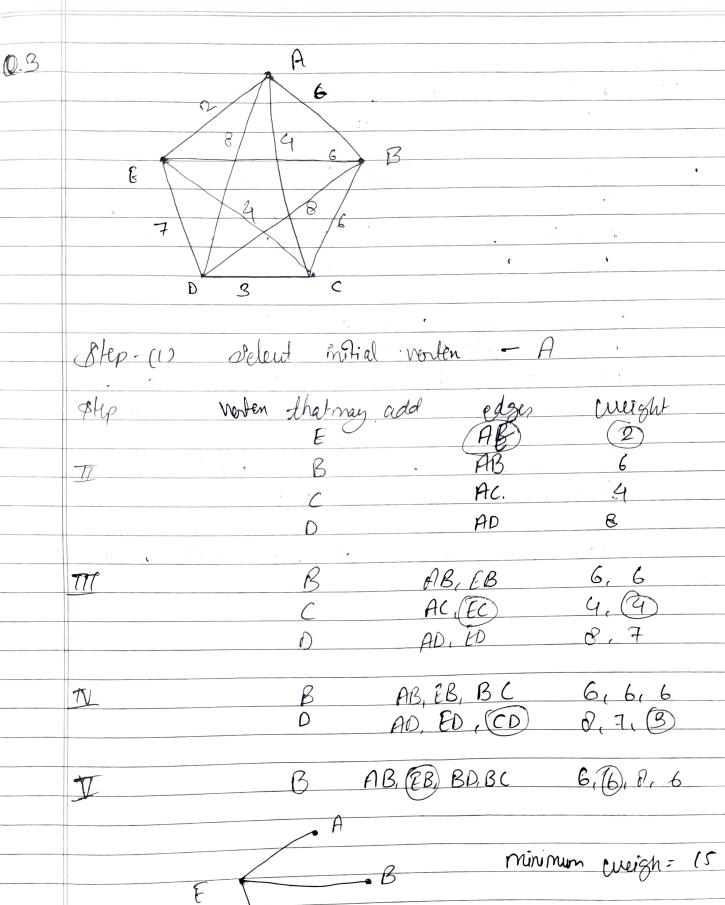
BUW 0.2 a) let K2,3, have bipartition, whose B= (a, b) & Wz & My Mz. Mg & - Duppose Tip a spanning tree of K23 -If possible that in 7. there is no worten No, which going to both a & b. there each of the verten M., M., M. M. Joins to at most one of the a orb.

There are only 3 edges on T. which is Contradiction to the fact that any spanning tree of K2,3 Contains enactly 4 edges. Since lue have fromula for number of sepanning treeta for Kmin, is is no of spanning leve for K. 3 = [22.3': 12 mn-1. nm-1 for m=2, n2 100 - (C) Lue have no of spanning less for $R_{2100} = 2^{99}.100$



D



(c) Will be planer, no line are crossing each other.

CO-5 let us assume that G is an euler graph which nears that there will an enterian line and G contains a closed walk convoying all edges

To a closed chalk every fine the walk meets a verter V. It goes through two new edges, incident on V with one.

Itoro entered , and with the other we, exted.

This is true for all the vertices because of is a closed walk.

Therefore the degree of every verter is even.