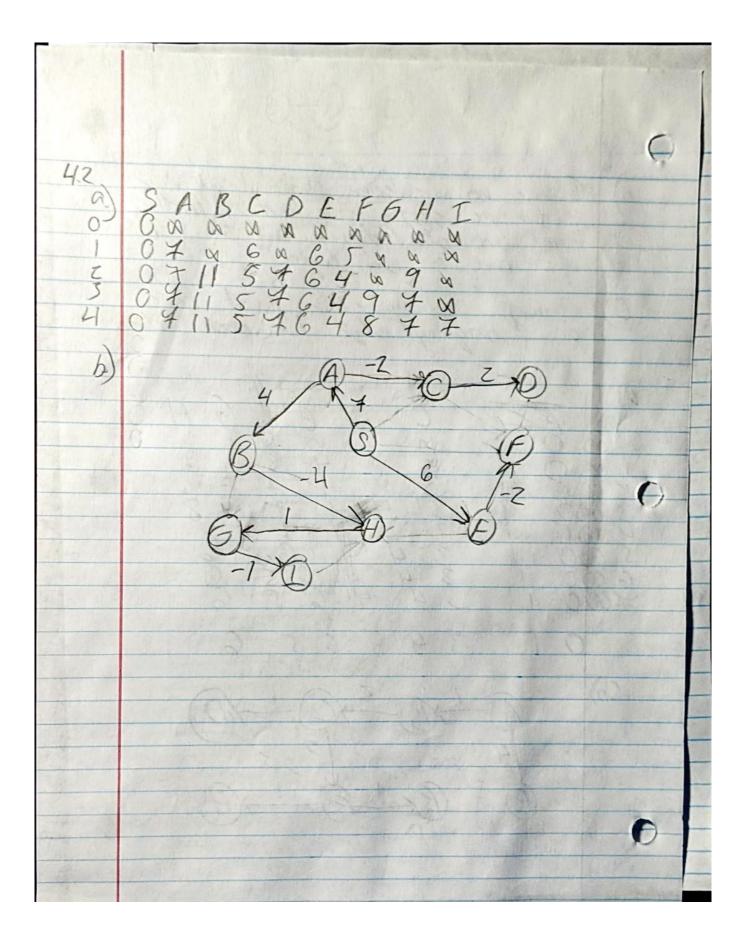
Jeffrey (7/7, 4/4, 0/10) -> (7/7, 0/4, 4/0) -> (1/4,0/4,10/10) 7 (1/4, 4/4, 4/0)) (5/4, 0/4, 6/10) -> (5/4, 4/4, 2/10) -7 (4/4, 44, 4/10) lets state each a Ca, b) where b is the amount of water that the 4-pint has all a the amount of water the Front and an redge be the pairing the antiners. As a restriction, erch is one possible part therefore (1,3) to a colye with (8,1). (0,4) (1,4) (2,4) (3,4) (4,4) (5,4) (6,4) (7,4 (0,3) (0,3) (2,3) (3,3) (4,3) (5,3) (6,3) (7,3) (0,2) (1,2) (2,2) (3,3) (4,3) (5,2) (6,2) (7,3) (0,0) (1,1) (3,1) (4,2) (5,2) (6,1) (4,1) CO) (1,0) (2,0) (3,0) (4,0) (50 (6,0) (7,0

Constructing all the possible trees, we then con use DFS to Find any that have a egul to 2 or b coul to 2. 3.26. (only it) we have an Eulerian tour coist on a correct that is voted to times from different elyes through the Eulerian tour Since it is an Eulerian tour there must be an exist edge prired with every control, then the degree I the votes is even. (if) we can use induction on number of votices () Base Cause if 1V1=2, tank both vectices has an over degree, then it has an Fulerian Tour let the statement by true for IVI=n When we can consider graph of with n+1 vertices such that an vertices have an even degree let u ha redex in 6, when we remove in votex and closer (i,i) (i,ii) (i,ii) degree her each vertice sine it is the same on G, has a Enterior tour. Than replace each exten edge of the fam (it, it) with (it-1, it) with (it-1, it) with (it-1) formal by (a, it) this making of having an Enterior law.

To have an Enlerion path if all only is the are exactly two vertices that have an all degree and the rest must have an even degree. Every incoming edge must have an outgoing edge for each vertice.



Squere M. Ord and write D G the dragond part of MZ and poster non-dingent part of MZ then MZ=0+P Then Q=P2 Que counts the number of ways to start with note on and Also R= MDM, where Roa courts the Then let S= Q-R and Sm is conty
the number of simple 4-cycle that start and
and with a Thin the graph of his
an simple 4-cycle it and only if the
diagent entries of S are rentera 4.8 CONTER Exemple Will Lerk When we all the constant, the length form 5-6-5 becomes 4+2c and 5-6, we will return 5-6 as the shorest path