

(b) No, there is the same cost choice present B-> F or F-> I therefore meny minnimum Spanning trees can be made. Problem 2)

- @ AB, C, E, G, D, F
- (b) A, B, C, D, F, E, G

Problem 3) (0,0-7 -, -, 1-, x x x x x x x x x x x x If we fin a lafter

If and diagonal from

It no longe possible.) [0]00000 a) 50+ i { j = 0 b) While i < |V| ¿ j < |V)

1f A(i,s) = O then inemnest Jotlerus mon i gif ICV Oren fall row is O fyo the you d) if ICV) then chen it comis all one experin trangel e) ele say no/retin no. of V times will only increment a total .. O((V)) Problem 4) If P 15 in a graph 6, and KEIVI the output retreton map p course of 6', (V', E') and intage K'|V| E'= 4flooded Mandagae Mind V'= V = 3(v, w) in V XV (V, w) 6 = 3 Melis pens of these on E but not orgal. 777 114