

Algorithm O Constant the flow network De Run FF algorithm to comfait the man flow (com assume willow that flow in every age is integral) 3) Hij = flow value on (virij). Conscients Need to shap;

O If there is a featible matoria, then the
algorithm output it workthy.

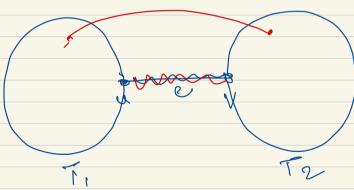
DIF No fearable matrix, than algorithm fulls W10. Rosof of I M -> fraside matrix.

- Set f(luir v;)) = Mij

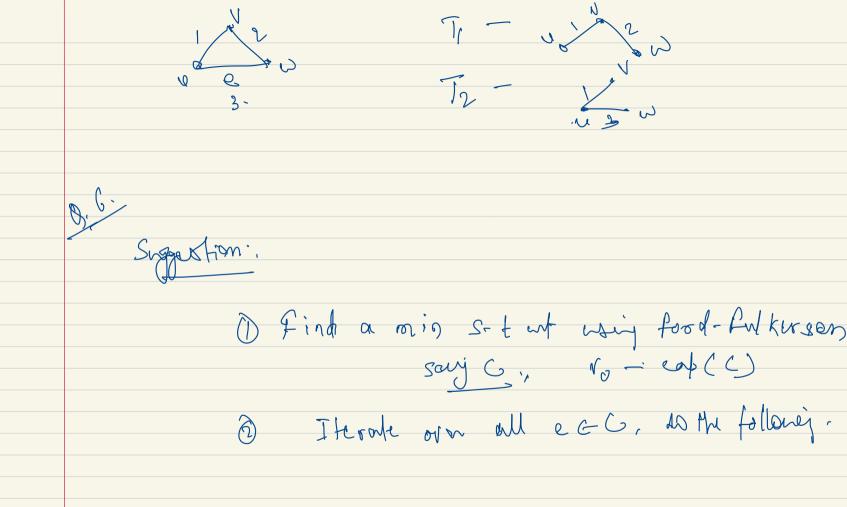
- other edges, set flow to expecity. Feosibity -> defn. of rend cur, at some and the flow soldrock constrontion.

C- ysk in the graph and c = man weight edge in the ysle.





Suggestion 2: D Run Kruskal en G. - soutfacts Ty De Run Kruskal on G - starting with the edge e minleded. 3 wt(Ti) > wt(Ti) output no MST containing else Mont yes.



	- increase conficed by 1 - leave the remains edges unforded
	- Compute min-entagan man-fla - Say Ve is the calsanty
(3)	If HCEG, ve > Vo, authort min-ut
	elce ant font mis ent not unique.
1	
, has a	unique mis cent.
	su Inest.

Co unique min ent. + i - stants cop(E) > cop(C) Don-unique min at of e does not increase the cop of the minut. - C, y - be two min ets, C+C, J'FCEGS+ RAGI. Va = Vo.

0, W for now: want single paths
Umany Blookar (TIFR) (no repeated edge) Suffer a flow network. make all edges bidirelition.
copacity) in each direction Add a sink t, add edges (v,t), (u,t)

capacity 1. Set W -> source comparte man flow between want.

flow network, cod, 1.

Jo there mit kventen disjond baths from sont
in G-Solri. Reduce vertex divisit vusion to the edge disjunt Version. C, S, t, h 4,5,4,4 W_1 V_2 V_2