How the Food - Entresugn EAIMILAHM WOH'S TO SIZYJANA AND ANALYSIS OF 2. Intralige How! ALGORITHMS o aceron on edges 2. Identify Augmenting Patris. (0) What is the Ford 9+ Fulkpers on Aligorijthm to layed? how does with works in solving network blow. I PHOBleme ? Perepare a case study and submits in LMS. Case Study: Application of the Torld. A Fulleryon Sol. Interoduction to the Found - Kulkerson 1/210pla Algoritm: The Ford - Fulleyon Algorithm is a me thod und (20 pro) surply of manufactor of the surply of the confidence of the manufactor of the confidence of the manufactor of the confidence of t networth. Developed by Liki Ford , 57 %. and DR. Pullerson in 1956, this algorithm plant a bundamental stole in solving networth wow probleme sond whom applications in valid in bields such as computed hetworking throughout toution, and logistics. The algorithm supeatedly limds augmenting paths in a steridual graphe to spirit flowers so wice no de to ave. with node, authorize to manining the manining the e Intermediate Nodes: wave how wision botot Edge copacities: Mandonin telompoent copacity of each House.

How the Ford - Fulherson Algorithm WOH'hs J. Initialize Plow! -, Stout with an initial blow of o across all edges. Abimou Devioungon 2. Identiby Augmenting Paths. 36Update 1 position corporations in ant a tonk (a) 4. Eferate until No Augumenting Patholo word problems : Prupare a case study and submit 2M1 mm Care study: Application of the Ford - A Fulkerson Algorithm in a Triomportation, Network Peroblem statement i Imagin e a teramportation networks connecting reveral writing codes actions a city, in where goods need to be souten tromported belonged central manchome (source) to a distail ution center (ainsh) invi Each Houte (edge) between warehouses hasig a contain capacity eligible from so we was ablow fortion, and logistics. The algorithm superation brinds oughering portus, in a standard · source vode (8) ? control marie nontrol · Sink No de LT): Drytsuibution contest il mis Intermediate Nodes: work hoursiste Infoi Edge capacities: Manimum teamsport

capacity of each moute.

Applying Foud - Eulheuson Algorithmions 2. Initialize the Flow: Set the instal blow box all Houtes to 00. 2. Find Augmenting Paths: Begin by identillujing pathis buons une source to to the winh. For enample consinder porths line s-> A-> T, s-> B-5T, etc. weiter his to? 3. Augment Flow. 14. Update Residual autaph. 2: Mag. 5. Appeal Atunti limanimum i Atopa . mm him . (05-5-2,51 = > = A, 01=A = 2 9) rug Result and Insights: The binds blows ! obtained represents, the morning goods that can be t promponited adoubly to beginn the center of charachodies to the distribution contey partneropula to 11 (2. 1 28 - 2 30 mil 1 1 3 more 2 - 38 = 13 (hore-aikt, de-8 How added: 4 4) Update Posidual Network : · continue adjusting the capacities.

Network blow Diagram 3 114 1014 10113 - + 10 Flow : Set the initial blow 50 01 100 1 10 13 14 000 16 find Avigmenting Portup: eins thouse partity second aire in souls ton conomplet Diconomos 11 1 2 - 8 - 2 1 2 - 8 - 2 - Will calendation · Pugners Flow. 1. Initial Augmenting path Library.

(. Update Residual Coston A ... 2: Ataq. · Min mm. capacity hyming that is better (en) ce 5 -> A = 18, A -> C = 12, C-> Too · Howard dednist215 -; otypinat bono thus 1) Led ribing his month is a point of a payout incorpa of Hyrrograpa of Sa 3,405 > 1553 by neducing, each edge by 13to 190 distinibution contrappy partnerson months of CE · path 's - s - > D - 37 · minimum capacity , 4 ( since s-sB=13 B->D = 14, D->7 = 4) · How Added : 4 4) Update Residual Network:

· continue adjusting the capacitles.