Hw Questions. Symbolic JRS 515 leraph Search Notes A B 10/5/2020 red Node gran noyellow 8

Solutions. (1) Figure out what are the NodeA's? Tell ma : 10 Drop all yellow four G and obtain NP. Rux SCC a looping scc in G. , Using SCC, The NodeA's: tind all green nodes that can reach no yellow or A

(3). Now, The arphal questin is equilet to: (2). Figure out all NodeB's that sat. For our my walk from No & Passes \* \* "There is on if walk & from 20, & - suffices to decide with of sat the negative doesn't pass any Nobb! NodeB is red and NodeB Can reach a Node B. a World. LSYD

A Trob 2. (1). also be fundated rub LP be solved usig LP. Add if citack on with city cz. In you was CI+CZ<K Not so beautiful. 205 to decide (xx)? you would on it Max flow ca new alg ou

C1, C2 are integers, so we consume Prob2 Wrong Solution. and for each Ci, Cz. Answersted, We all possible ingues Ci, Cz oth Citish you can't do : osh the max of all The max flow result Recall: I want efficient soliture! So Run FF on the G; the rach ray.

imp colexy ( east nomati What is input Size < C1, C2>

a JAG,
Topological Sat officient a Forward propagati of conting.

Prob4.(2) Tand.

(2) efficient alga

by adding an anx. Data studing to cach node in the topological sut. that: You need modify alg in (1).

