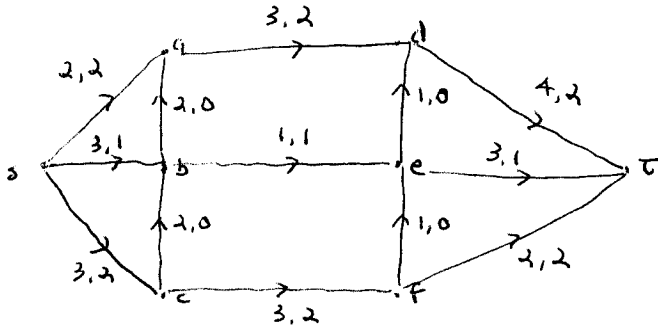


FOR EACH OF THE FOLLOWING FLOWS,

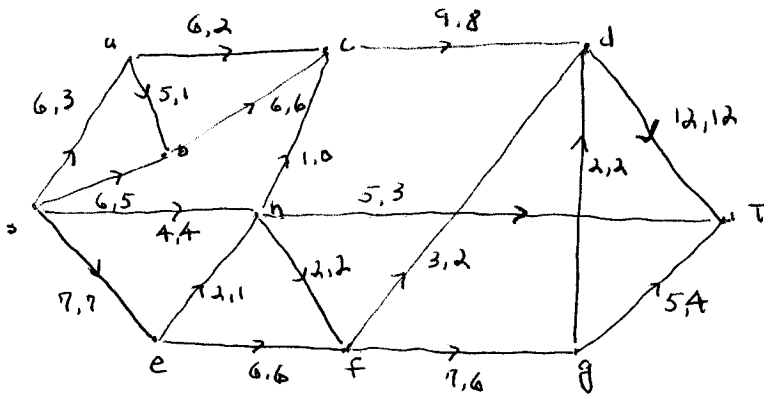
A) SHOW THAT THE GIVEN FLOW IS NOT MAXIMUM BY FINDING A FLOW-AUGMENTING PATH FROM S TO T.

B) FIND A MAXIMUM FLOW F , FIND $\text{val}(F)$, AND SHOW THAT IT IS MAXIMUM BY FINDING A CUT C WITH $\text{val}(F) = \text{cap}(C)$.

①



②



③

