Tutorial-7

Student

Abhinav Shripad

Total Points

3 / 3 pts

Question 1

(no title)   **3** / 3 pts

✔ **+ 1 pt** Claiming that the proof is incorrect - 1 point

  + 0.6 pts Written "I do not know how to approach this problem"

✔ **+ 2 pts** Mentioning the error that f also needs to be part of the cycle formed in
        T ∪ {e} (just giving a counterexample for the proof also works)

  + 0 pts Incorrect

Name: Abhinav R. Shripad

Entry number: 2022CS11596

Date: Sep 19, 2024
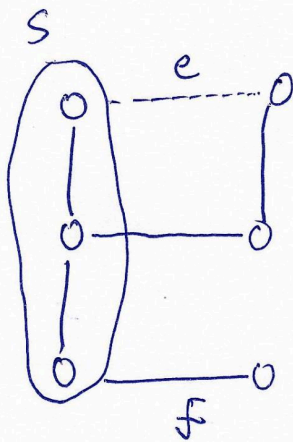
Group: 3

Proof is wrong.

We cannot remove any edge f and
replace it with e.

we should remove an edge which is
in cycle with e and costlier than e.

Counter Example

removing e and putting
f will not remain a
Spanning Tree

Name: Akshay R Swipat
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Proof is wrong

we cannot remove only edge f and replace it with e.

we should remove an edge which is in cycle with e and costlier than e.

Counter Example

removing e and putting f will not remain a Spanning Tree