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Recitation: 8

Problem 0 Points:

Acknowledgements

- (a) I did not work in a group.
- (b) I did not consult without anyone my group members.
- (c) I did not consult any non-class materials.

Problem 1

Points:

DFS Basics

- (a) $A \rightarrow B \rightarrow D \rightarrow E \rightarrow G \rightarrow F \rightarrow C \rightarrow H \rightarrow I$
 - \boldsymbol{A} (1, 12)
 - (2,11)B
 - C(13, 18)
 - (3,6)D
- (4,5)(b) *E*
 - F(8,9)
 - (7,10)G
 - H(14,17)
 - I = (15, 16)
 - Edge Type
 - (A,B)Tree
 - Forward (A,E)
 - (B,D)Tree
 - (D,E)Tree
 - (E,D)Back
- (c) (B,G)Tree
 - (G,F)Tree
 - (G,D)Cross
 - (C,H)Tree
 - Tree (H,I)
 - (C,I)Forward

Problem 2

Points:

Pre and Post Processing

- (a)
- (b)

Problem 3 Points:

Linearization Basics

- (a)
- (b)
- (c)
- (d)