

Random attendance System

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CS293 Q 1: Lab 9: Given the following conditions, What is the kind of edge (a,b) in DFS?

☐ back edge if a.arrival=2 a.departure=6 b.arrival=1 b.departure=9

☐ tree edge if a.arrival=1 a.departure=10 b.arrival=2 b.departure=6

☐ back edge if a.arrival=1 a.departure=10 b.arrival=5 b.departure=6

☐ cross edge if a.arrival=2 a.departure=6 b.arrival=8 b.departure=15

Answer

Note: please be careful before submitting the answer. You will not be able to change the answers.

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CS293 Q 1: Lab 9: Given the following conditions, What is the kind of edge (a,b) in DFS?

You have answered the following:

✓ back edge if a.arrival=2 a.departure=6 b.arrival=1 b.departure=9 (You are correct)
✓ tree edge if a.arrival=1 a.departure=10 b.arrival=2 b.departure=6 (You are correct)
✗ back edge if a.arrival=1 a.departure=10 b.arrival=5 b.departure=6 (You are correct)
✓ cross edge if a.arrival=2 a.departure=6 b.arrival=8 b.departure=15 (You are incorrect)

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