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CS213 Q 1: Lecture 25: Consider labeled graph $G = (\{a,b,c\}, \{\{(a,b),1\}, \{(b,c),2\}, \{(a,c),3\}\})$. Which of the following are true about MST generated from Prim's algorithm?

We cannot start Prim from c because it is not connected to the minimum edge.

MST generated by Prim is different from Kruskal.

If started from \$a\$, Prim will pick {a,b} first for MST.

MST generated by Prim is acyclic

Answer

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

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CS213 Q 1: Lecture 25: Consider labeled graph $G = (\{a,b,c\}, \{\{(a,b),1\}, \{(b,c),2\}, \{(a,c),3\}\})$. Which of the following are true about MST generated from Prim's algorithm?

You have answered the following:

- We cannot start Prim from c because it is not connected to the minimum edge. (You are correct)
- MST generated by Prim is different from Kruskal. (You are correct)
- If started from \$a\$, Prim will pick {a,b} first for MST. (You are correct)
- MST generated by Prim is acyclic (You are correct)

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