M6: Hands-On: Prim's Algorithm

Due Apr 16 at 11:59pm **Points** 1 **Questions** 1 **Time Limit** None
Allowed Attempts Unlimited

Instructions

Hands-On: Prim’s Minimum Spanning Tree Algorithm

This activity focuses on the fundamental mechanics of applying Prim’s Minimum Spanning Tree algorithm to an undirected, weighted graph.

Computing a minimum spanning tree

1. Open the lecture notes on Minimum Spanning Tree Algorithms.
2. Review the note set to refresh your memory on Prim’s MST algorithm.
3. Go to the slides that illustrate the step-by-step operation of Prim’s algorithm on a given graph.
4. Go through each step of this algorithm in the slides and make sure you understand how it works.

Submission

Take the Quiz Again

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	less than 1 minute	1 out of 1

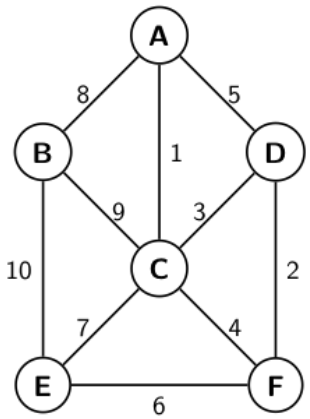
ⓘ Correct answers are hidden.

Score for this attempt: **1** out of 1
Submitted Apr 14 at 8:35pm
This attempt took less than 1 minute.

Question 1

1 / 1 pts

Select the edge listing that reflects the order in which the edges of the graph shown below could be added to the minimum spanning tree by Prim's algorithm.



A. 1, 2, 3, 4, 5

B. 1, 2, 3, 6, 8

C. 8, 1, 3, 2, 6

D. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

- A
- B

- C
- D

Quiz Score: **1** out of 1