

Quiz 7

[Finish test](#)

Recall

- ☒ Dijkstra's Algorithm (Drag and Drop)
- ☒ **Parallel BFS in Pregel (Drag and Drop)**
- ☐ Page Rank
- ☐ Betweenness centrality
- ☐ Dijkstra's algorithm limitations
- ☐ Graph Partition
- ☐ Graph Partition steps

Further Reading

- ☐ Review on Community Detection Algorithms in Social Networks
- ☐ The PageRank Citation Ranking: Bringing Order to the Web

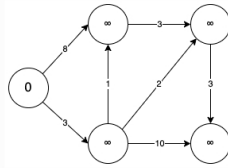
Parallel BFS in Pregel (Drag and Drop)

15 points Not answered

You're given a weighted graph (Same as in previous task)

Please perform Parallel BFS in Pregel on it. (See the examples from the lecture)

In order to complete the task you have to perform the algorithm on paper first.



What You Need to Do:

- For each diagram, you need to choose **one** yellow box with **node values**.
- Each Blue Box should have a node yellow box signed.
- You can use each yellow box with **node values** more than once. For example, if there is no change of values on the next iteration.
- Drag and drop the chosen node value into the corresponding box for each diagram.

Hint:

If your answer is too far down and you're worried about dragging it all the way to the graph, don't sweat it! You can simply **click** on the answer to select it, then **click** on the graph box where you want to place it.

Node Values:

A -> 0
B -> 4
C -> 3
d -> 5
e -> 8

Node Values:

A -> 0
B -> 4
C -> 3
d -> 5
e -> 13

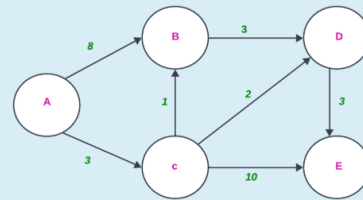
Node Values:

A -> 0
B -> ∞
C -> ∞
d -> ∞
e -> ∞

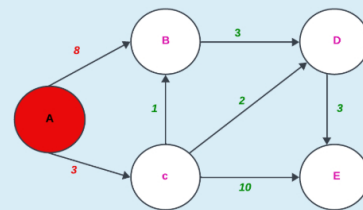
Node Values:

A -> 0
B -> 8
C -> 3
d -> ∞
e -> ∞

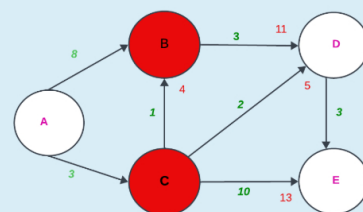
First



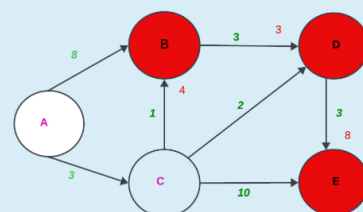
Second



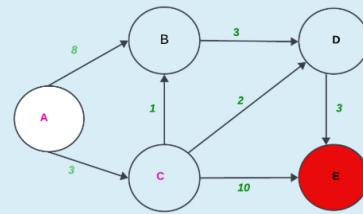
Third



Fourth



Fifth



✓ Submit answer

Next question >

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