Quiz 7

Finish test

Reacall

- Dijkstra's Algorithm (Drag and Drop) 0
- Parallel BFS in Pregel (Drag and Drop) 0
- **Page Rank** 0
- Betweenness centrality 0
- Dijkstra's algorithm limitations 0
- Graph Partition 0
- Graph Partition steps 0

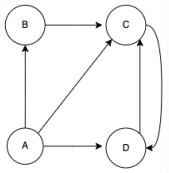
Further Reading

- Review on Community Detection Algorithms in Social Networks 0
- The PageRank Citation Ranking: Bringing Order to the Web 0

Page Rank

9 points Not answered

You are given the small network of 4 web pages - A, B, C and D.



The network is modelled as a graph, where pages are represented as modes and links as edges.

Your task is to calculate Page Ranks for A, B, C and D in 2 iterations.

You may solve it with pan and paper and upload the scan (photo) of your solution, please make sure it is readable.

initial

a - 1/4
b - 1/4
c - 1/4
d - 1/4

Iteration 1

a - 1/2
b - 1/2
c - 1/2
d - 1/2

Iteration 2

a - 0
b - 1/12
c - 7/12
d - 4/12

a - 0
b - 0
c - 0
d - 1

a - 0
b - 0
c - 5/12
d - 7/12

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