

Fastest Route

- ✓

Video: Fastest Route
6 min
- ✓

Video: Naive Algorithm
10 min
- ✓

Video: Dijkstra's Algorithm:
Intuition and Example
7 min
- ✓

Video: Dijkstra's Algorithm:
Implementation
3 min
- ✓

Video: Dijkstra's Algorithm:
Proof of Correctness
4 min
- ▶

Video: Dijkstra's Algorithm:
Running Time
7 min
- ✓

Reading: Slides and
External References
10 min

Currency Exchange

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Video: Currency Exchange
6 min
- ✓

Video: Currency Exchange:
Reduction to Shortest Paths
8 min
- ✓

Video: Bellman-Ford
Algorithm
6 min
- ✓

Video: Bellman-Ford
Algorithm: Proof of
Correctness
6 min
- ✓

Video: Negative Cycles
7 min
- ✓

Video: Infinite Arbitrage
10 min
- ✓

Reading: Slides and
External References
10 min

Programming Assignment



Slides and External References

Slides

10_shortest_paths_in_graphs_3_bellman_ford.pdf
PDF File

Reading

Section 4.6 in [DPV]

References

[DPV] Sanjoy Dasgupta, Christos Papadimitriou, and Umesh Vazirani. Algorithms (1st Edition). McGraw-Hill Higher Education. 2008.

✓ Complete

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