Most Direct Route (BFS):

**Reading**

Sections 4.1 and 4.2 in [DPV]

**If you find this lesson difficult to follow**

[Section on breadth-first search](https://www.khanacademy.org/computing/computer-science/algorithms/breadth-first-search/a/breadth-first-search-and-its-uses) at Algorithms class by Tom Cormen and Devin Balkcom at Khan Academy

**Visualizations**

* [Breadth-first search](http://www.cs.usfca.edu/~galles/visualization/BFS.html) by David Galles

**References**

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

Fastest Route (Dijkstra):

## Reading

Sections 4.3 and 4.4 in [DPV]

## Visualizations

[Dijkstra'a algorithm](http://www.cs.usfca.edu/~galles/visualization/Dijkstra.html) by David Galles

## References

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

Currency Exchange (Bellman-Ford):

## Reading

Section 4.6 in [DPV]

## References

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