Chapter 4, Graphs:

- Concepts and implementation (last week Friday)
- Traversal (Today)
- Minimum spanning trees (Wednesday and Friday)
- Single-source shortest paths (next week)

Today:

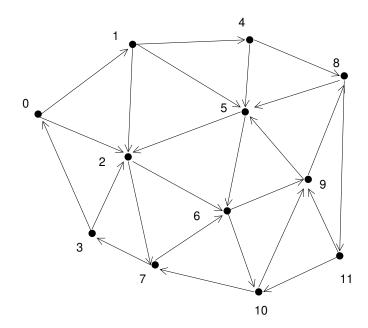
- Finish talking about graph implementation
- Traversal problem and intuition
- BFT and DFT similarities and differences

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Analysis

	Adjacency matrix	Adjacency list
Space	$\Theta(V^2)$	$\Theta(V+E)$
adjacent(u, v)	$\Theta(1)$	$\Theta(deg(u))$ (expected case)
getAdjacents(u)	$\Theta(V)$	$\Theta(deg(u))$

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Coming up:

Do heaps and priority queue project (suggested by today, Mon, Feb 12)

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Due Tues, Feb 13 (end of day):
Read Section 4.(1–3)
Do Exercises 4.(1 & 19).
Take graph quiz
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Due Fri, Feb 16 (end-of-day) Read Section 4.4 Do Exercises 4.(40, 42, 43) Take MST quiz