Chapter 4, Graphs:

- Concepts and implementation (Monday)
- Traversal (Today and in lab Thursday)
- Minimum spanning trees (Friday and next week Monday)
- Single-source shortest paths (next week Wednesday and Friday)

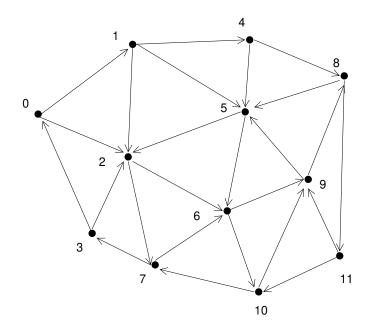
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Today:

- Finish talking about graph implementation
- Traversal problem and intuition
- BFT and DFT similarities and differences
- 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 (Fri, Oct 4)

Due Thurs, Oct 3: Read Sections 4.(1-3) This is a big chunk—spread it out! Do Exercises 4.1 and 4.19 Take "graph concepts, implementation, and traversal" quiz

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