

The Project 2 DiGraph interface

A quick introduction to some simple usage

R Department of Computer Science

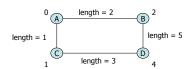
DiGraph type

- Provides an interface definition for directed graphs
- $\bullet\,$ Can also be used to support $\underline{un} \text{directed graphs}$ - How?
- JavaDocs are available online

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A sample problem

- Consider the following graph:
 Edges are labeled with the lengths between points
 Vertices are labeled with the distances from "A"



What calls need to be made on a DiGraph object to build this graph, given this data?



No peeking....

theGraph.addVertex("A", new Integer(0)); theGraph.addVertex("B", new Integer(2)); theGraph.addVertex("C", new Integer(1)); theGraph.addVertex("D", new Integer(4));	theGraph.addVertex("B", new Integer(2)); theGraph.addVertex("C", new Integer(1)); theGraph.addVertex("D", new Integer(4));	Part Department of Computer Science		Creating the vertice
©	⁰ (A) (B) ² (C) (D) 4	theGraph.addVertex("B", theGraph.addVertex("C",	new Integer(2) new Integer(1)));));
	1	⁰ (A)		(B) ²
		© 1		(D) 4

