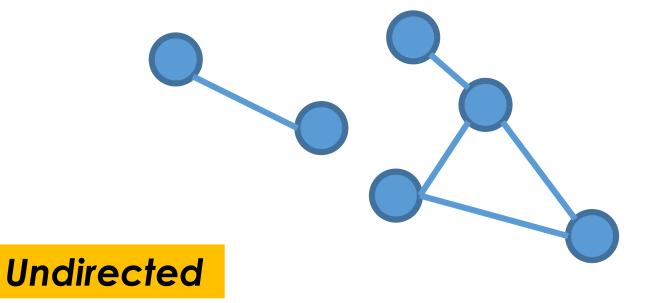
Definitions



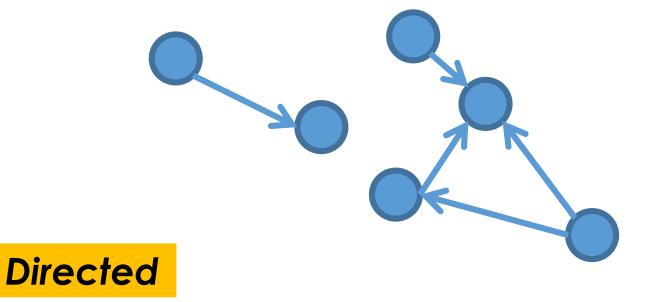
By the end of this video you will be able to...

Define basic notions associated with graphs

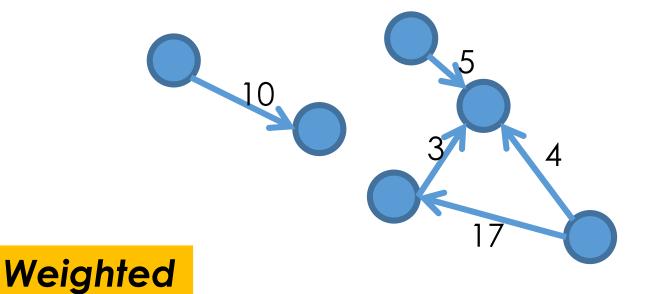
Basic objects : vertices, nodes
Relationships between them : edges, arcs, links



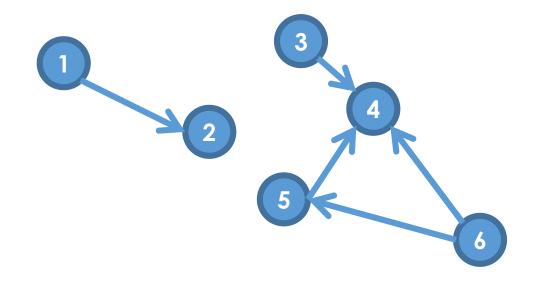
Basic objects : vertices, nodes
Relationships between them : edges, arcs, links



Basic objects : vertices, nodes
Relationships between them : edges, arcs, links



Graphs: example



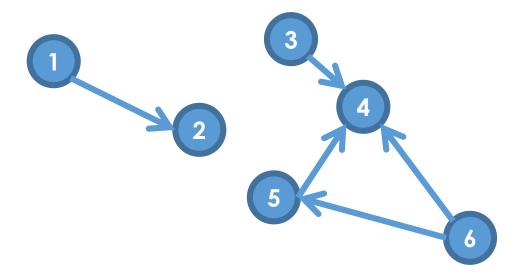
What are the neighbors of the vertex 4?

- A. 3,4,5,6
- B. 3,5,6
- C. 3,6
- D. 5

Paths in graphs

Path: sequence of vertices and edges that depicts hopping along graph

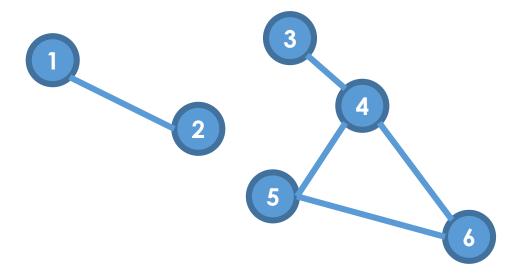
Graphs: example



For which pair of vertices is there a path in the graph starting at one and ending at the other?

- A. vertex 1 and vertex 3
- B. vertex 4 and vertex 6
- C. vertex 6 and vertex 5.

Graphs: example



For which pair of vertices is there a path in the graph starting at one and ending at the other?

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