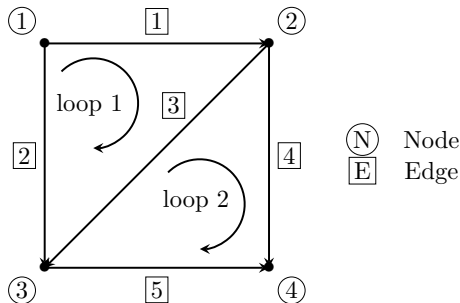


Networks as Directed Graphs

Networks arise in a variety of settings (internet structure, transportation patterns, electrical circuits, etc.) Structurally a network is represented by a directed graph (digraph) along which things (information, product, electrical current) flow. Here is an example:



- an arrow indicates a direction of positive flow
- no edge goes from a node to that same node
- there is at most one edge pointing from one node to another