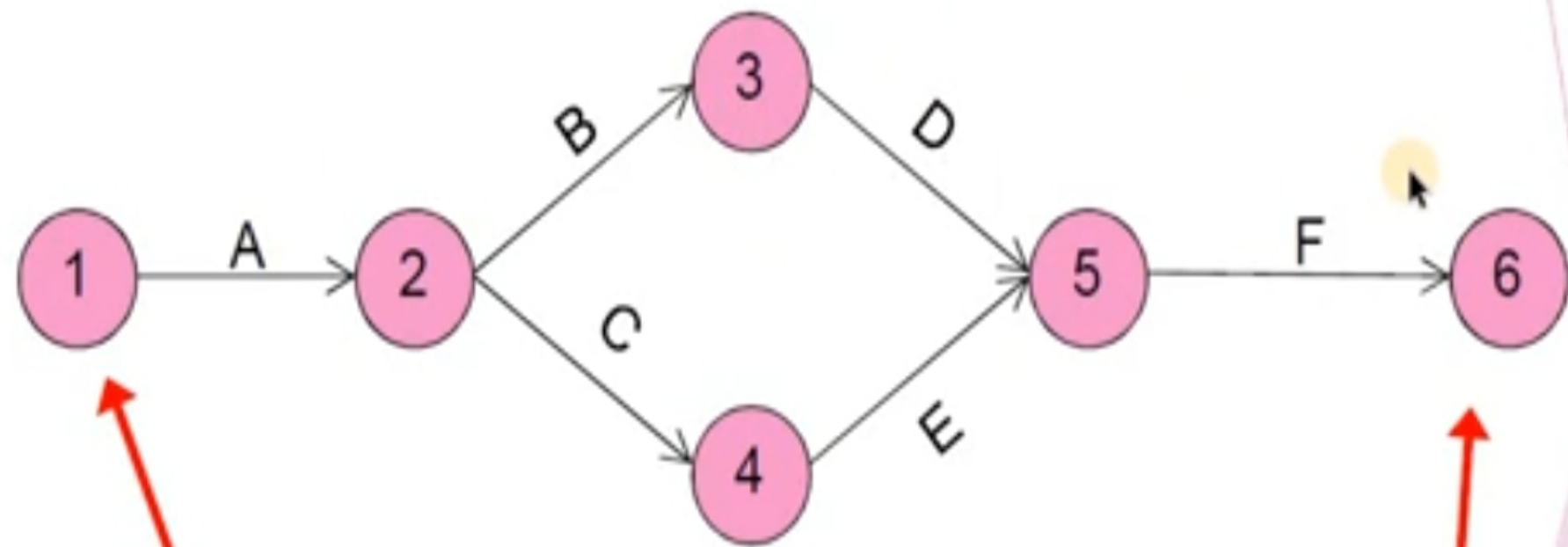


PERT Diagrams

- ▶ Program Evaluation and Review Technique 🗨️
- ▶ It is a network model that allows for randomness in activity completion times. 🗨️
- ▶ Tool used to control the length of projects. 🗨️
- ▶ PERT was developed in the late 1950's for the US Navy's Polaris Project.
- ▶ First used as a management tool for military projects
- ▶ Adapted as an educational tool for business managers
- ▶ It has the potential to reduce both the time and cost required to complete a project. 🗨️





Single start
node

Single finish
node



PERT Diagrams

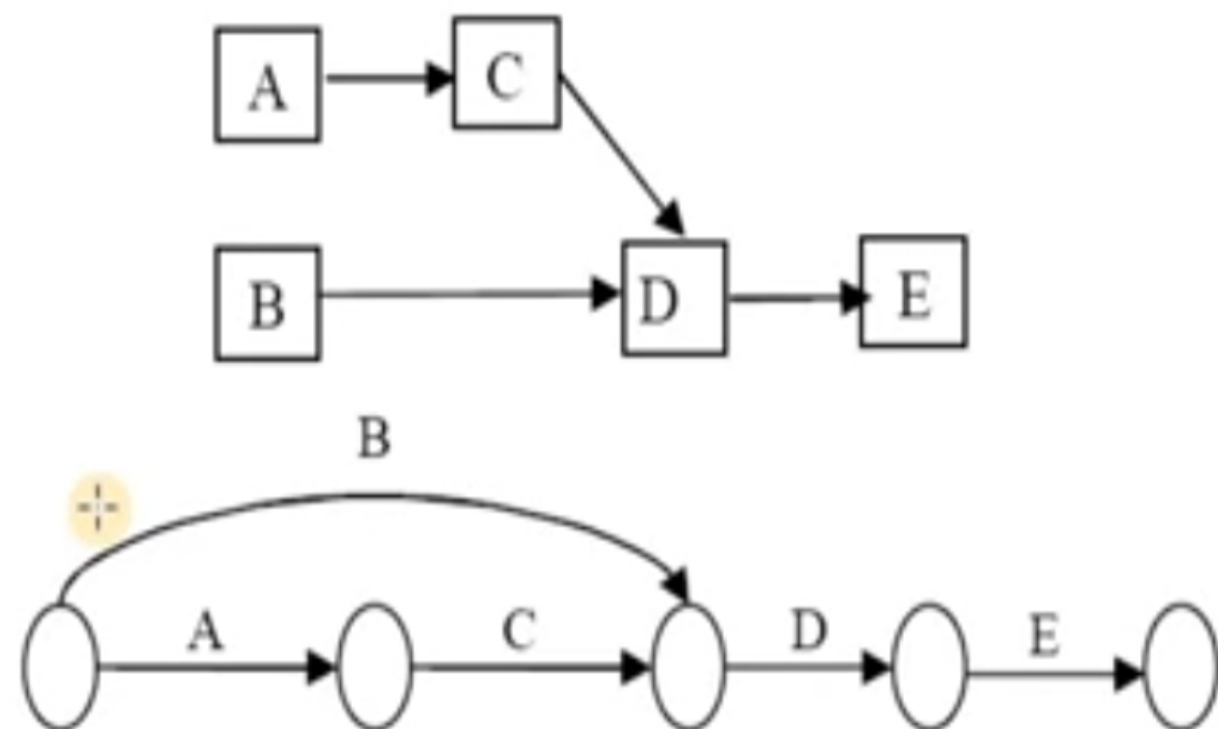
- ▶ Activity-on-node diagrams:
 - ▶ Maybe more than one single start and end node
 - ▶ Nodes represent activities
 - ▶ Arrows indicate precedence
- ▶ Activity-on-arrow diagrams:
 - ▶ One single start and one single end node
 - ▶ Arrows represent activities
 - ▶ Nodes indicate beginning/end of activities



Example of PERT diagrams:

Task	Precedence
A	
B	
C	A
D	B,C
E	D

Activity-on-node



Activity-on-arrow

