

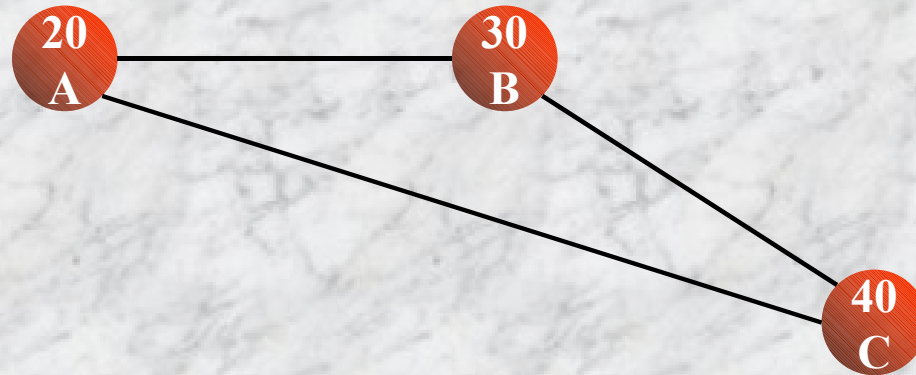
# Precedence Diagram

# Precedence Diagram

## Advantages of using Precedence Diagram:

1. No dummy activities are required.
2. A single number can be assigned to identify each activity.
3. Analytical solution is simpler.

# Redundant Linkages

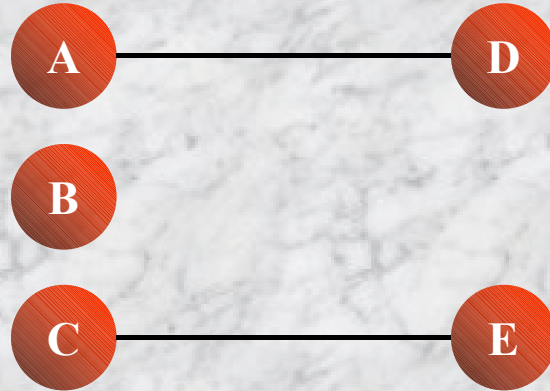


**(a) Incorrect Representation**

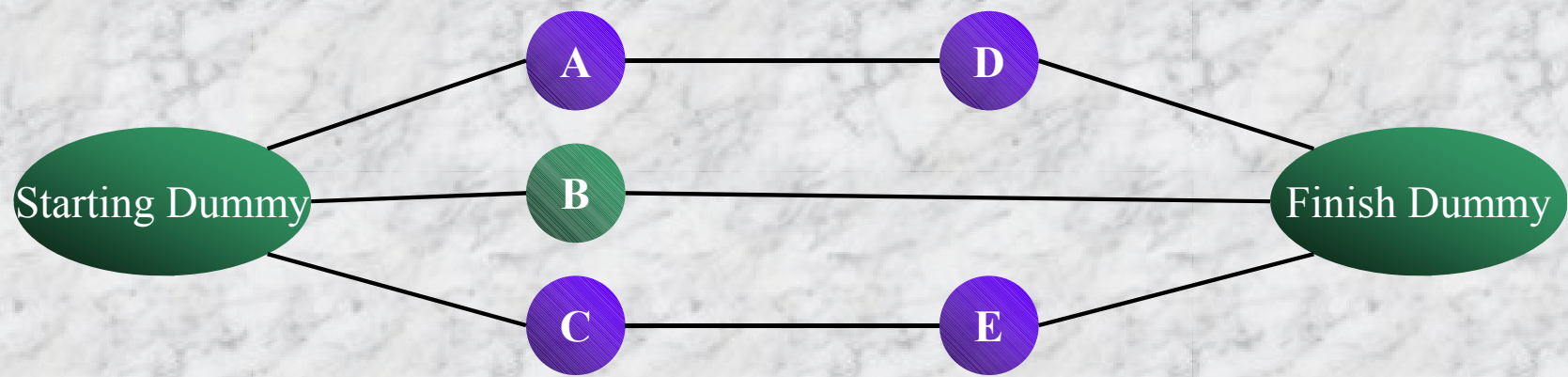


**(b) Correct Representation**

# Closing the network to give Single Beginning and Ending Nodes

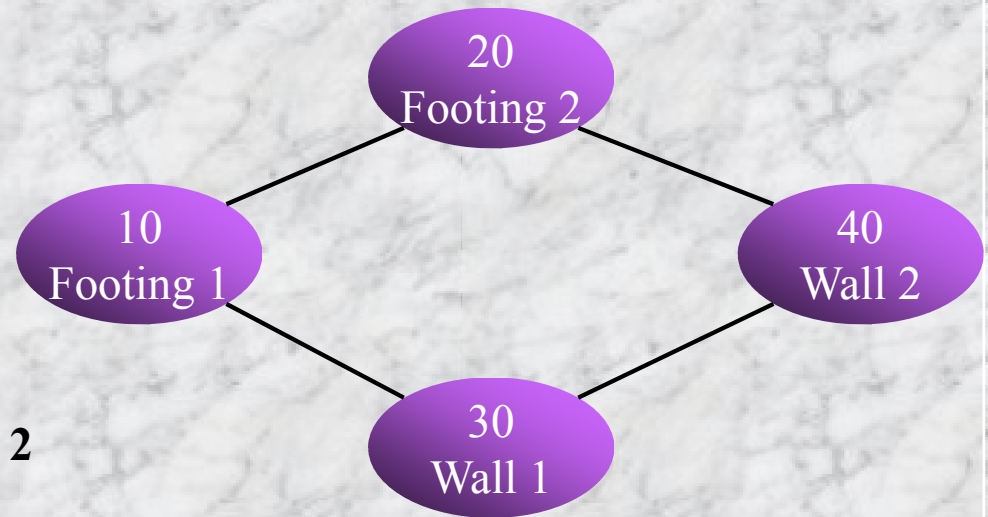
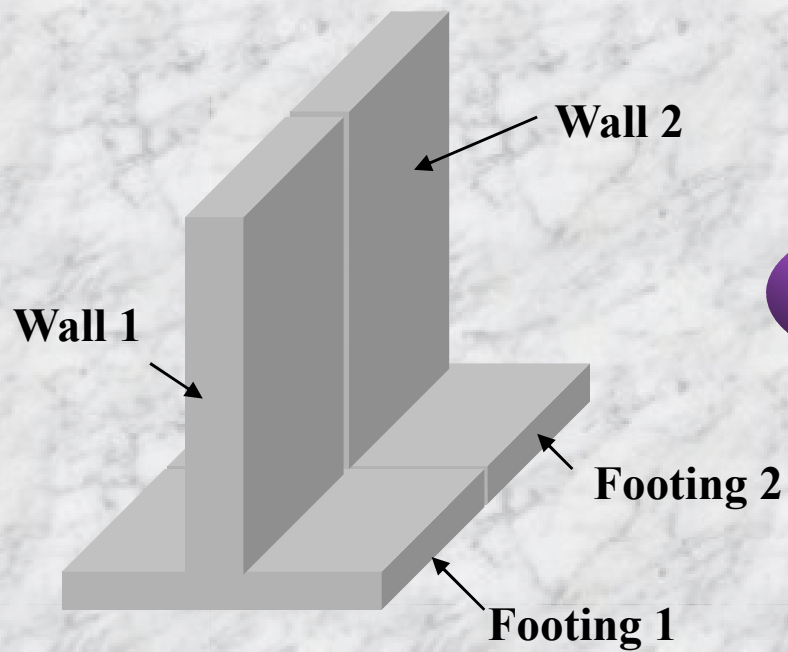


**(a) Incorrect Representation**

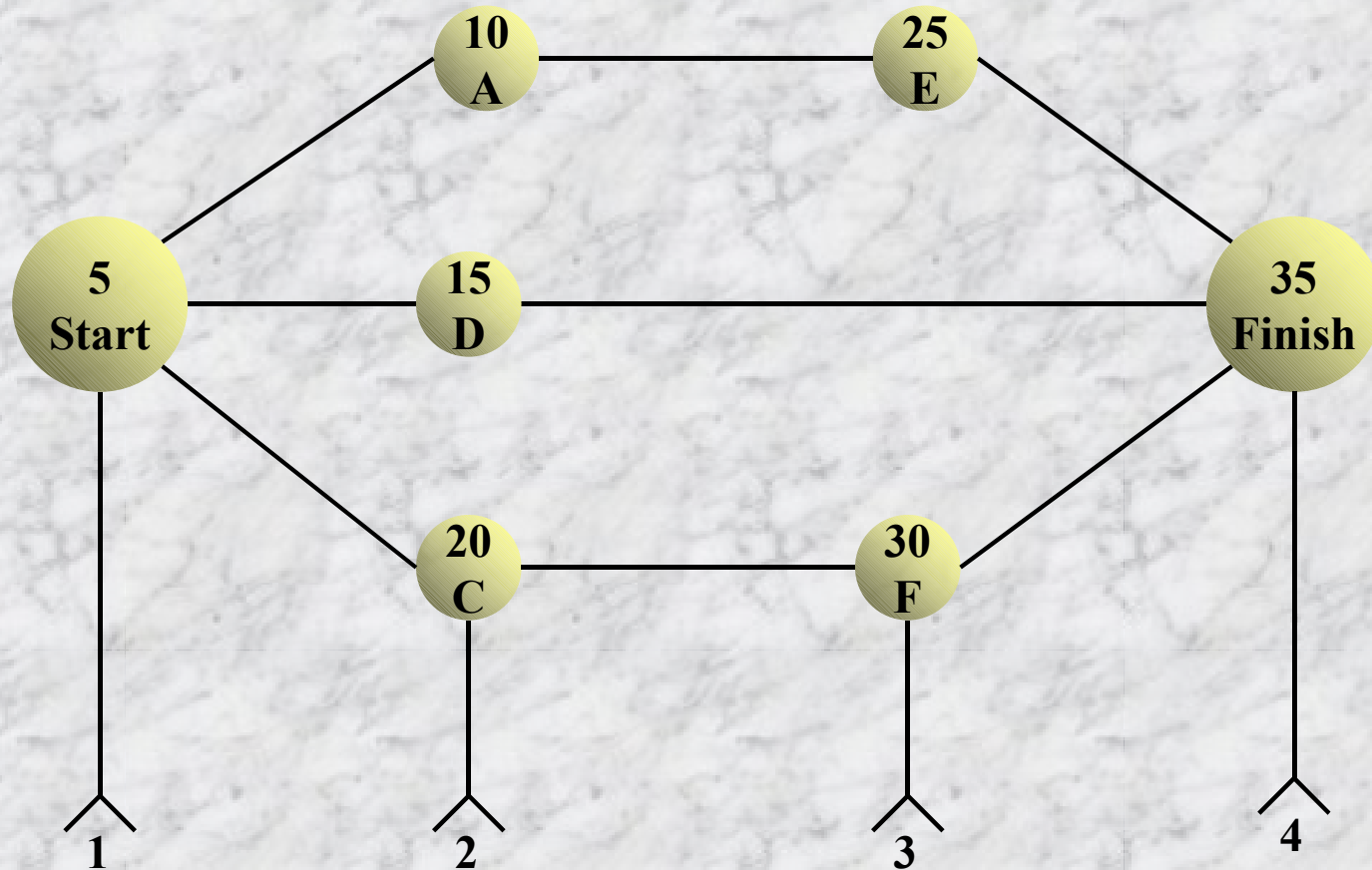


**(b) Correct Representation**

# Retaining Wall Precedence Diagram



# Precedence Diagram - Sequence Stepped and Numbered



# Constructing the Precedence Diagram

1. Create Activity list and eliminate redundancies.

2. Construct precedence diagram

- Activities with no dependency arranged at the left
- Create dummy start if you have more than one start “Contract Award”

3. Arrange activities in a sequential order