Precedence Diagram
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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

DR. Nabil Dmaidi
Closing the network to give
Single Beginning and Ending Nodes

(a) Incorrect Representation

(b) Correct Representation
Retaining Wall Precedence Diagram

- Wall 1
- Footing 1
- Footing 2
- Wall 2
- 10 Footing 1
- 20 Footing 2
- 30 Wall 1
- 40 Wall 2

DR. Nabil Dmaidi
Precedence Diagram - Sequence Stepped and Numbered

DR. Nabil Dmaidi
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