

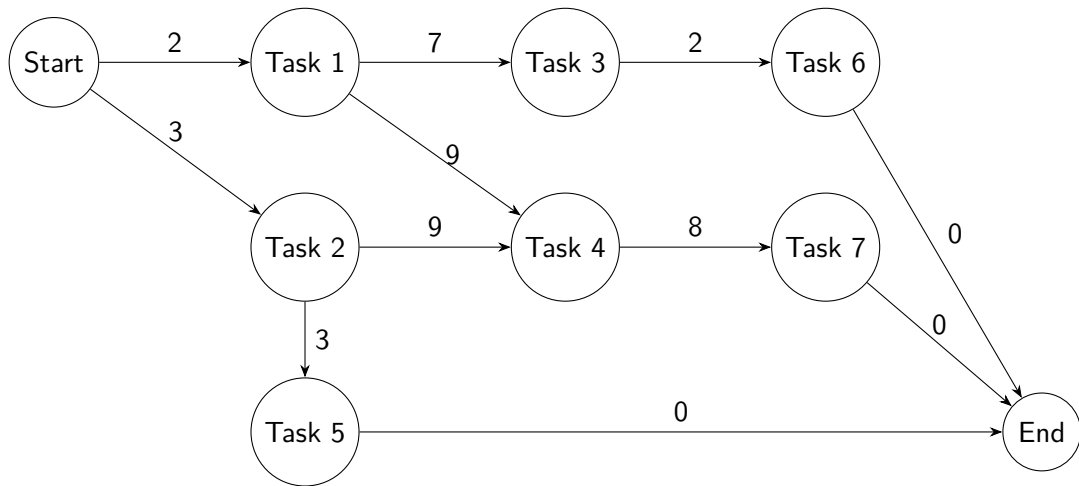
# SCH 261 – Engineering Project Management

## Zewail City of Science and Technology

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## Network Diagram



# Paths and Critical Path

- ▶ Path 1: Start  $\rightarrow$  1  $\rightarrow$  3  $\rightarrow$  6  $\rightarrow$  End (11 months)
- ▶ Path 2: Start  $\rightarrow$  1  $\rightarrow$  4  $\rightarrow$  7  $\rightarrow$  End (19 months)
- ▶ Path 3: Start  $\rightarrow$  2  $\rightarrow$  5  $\rightarrow$  End (6 months)
- ▶ **Critical Path:** Start  $\rightarrow$  2  $\rightarrow$  4  $\rightarrow$  7  $\rightarrow$  End (20 months)

# Float Analysis

- ▶ Task 3: 9 months float (non-critical path)
- ▶ Task 5: 14 months float (non-critical path)
- ▶ Task 1: 1 month float (non-critical paths)
- ▶ Task 7: 0 months slack (on critical path)