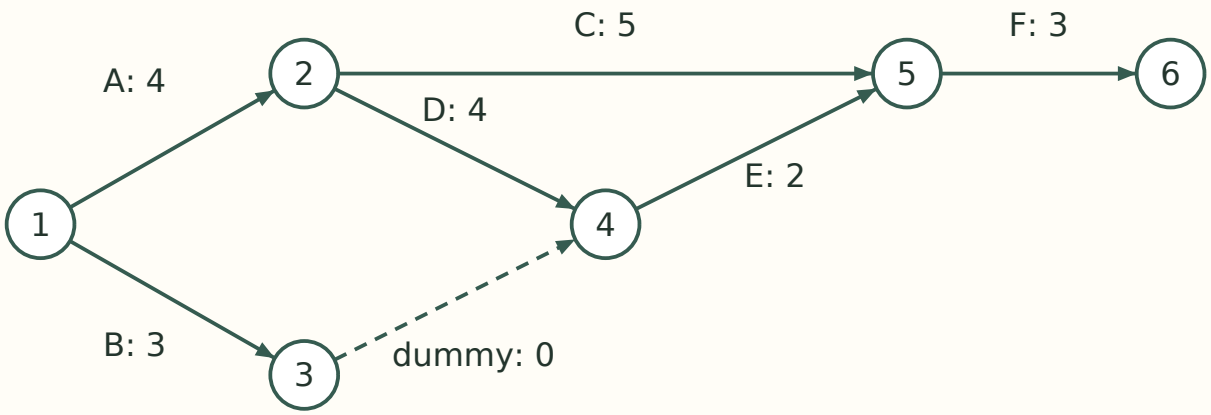
Forward and backward scans

Name: _____ Date: _____

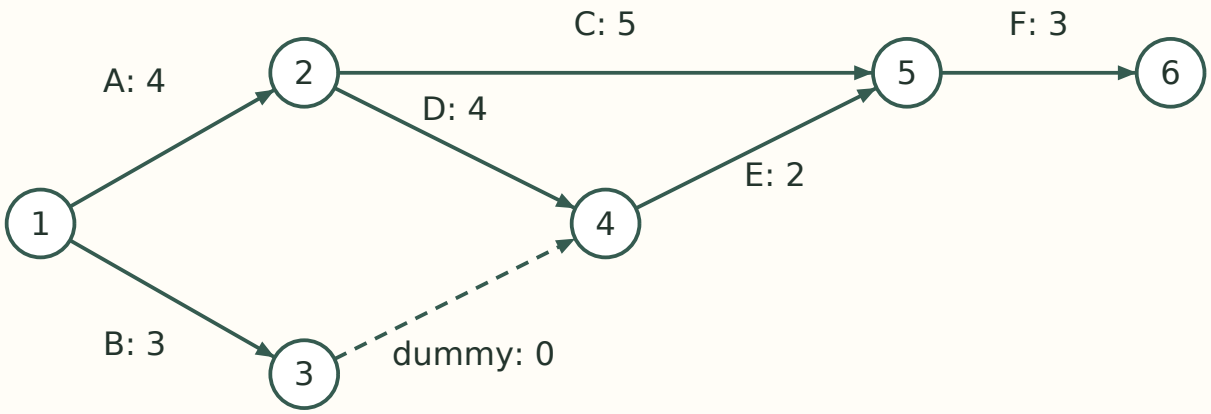
6 questions | 16 marks

1. Perform a complete forward scan on the displayed network. [4 marks]



Activity-on-arrow network; durations are in days.

2. Perform the backward scan for the displayed network using project finish 13. [4 marks]



Activity-on-arrow network; durations are in days.

3. Find the earliest time at a merge when incoming tail times and durations are $(2, 7)$, $(6, 2)$ and $(4, 6)$. [2 marks]

4. Find a latest event time when outgoing head times and durations are $(15, 4)$, $(19, 6)$ and $(14, 2)$. [2 marks]

5. A forward scan gives an event earliest time 9. A claimed backward scan gives latest time 7 for a finish target equal to the earliest project finish. What does this indicate? [2 marks]

6. Why does adding all incoming durations at a merge usually give the wrong earliest time? [2 marks]