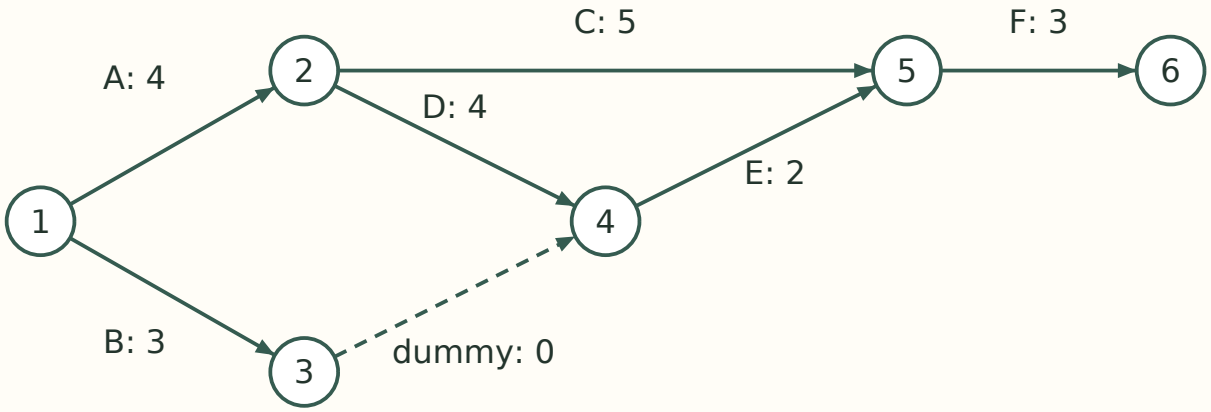
Earliest/latest times

Name: _____ Date: _____

6 questions | 15 marks

1. Use the display project to find ES, EF, LS and LF for B. [3 marks]

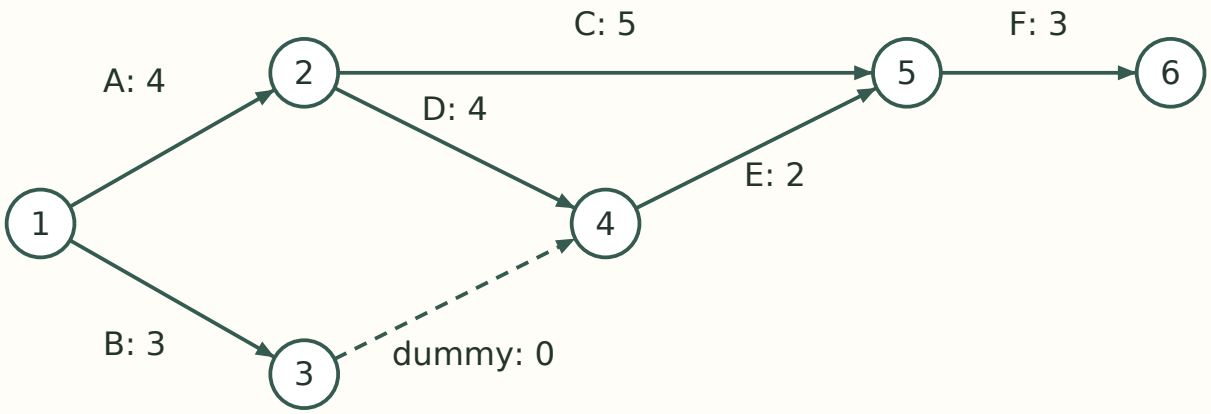


Activity-on-arrow network; durations are in days.

Forward and backward scans for the display network, with completion at day 13.

Event	Earliest time	Latest time
1	0	0
2	4	4
3	3	8
4	8	8
5	10	10
6	13	13

2. Find all four activity times for C in the display project. [3 marks]

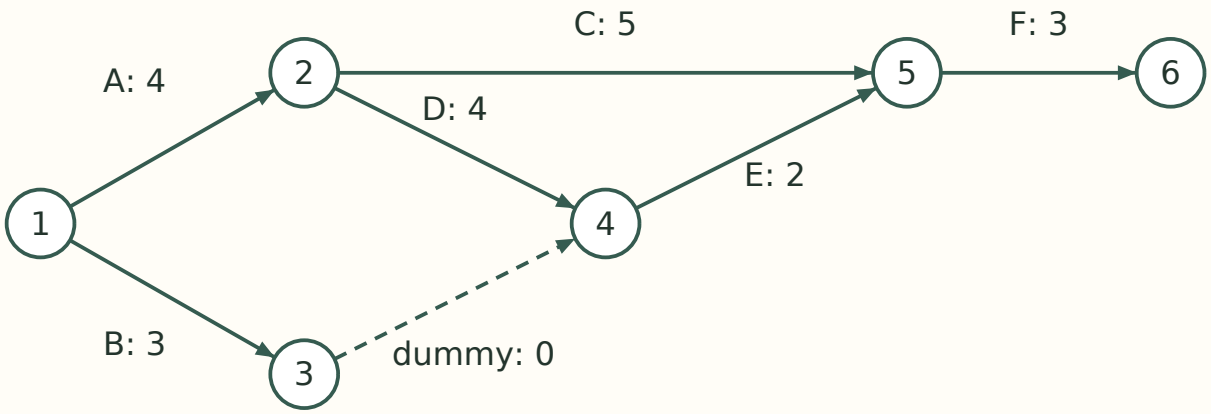


Activity-on-arrow network; durations are in days.

Forward and backward scans for the display network, with completion at day 13.

Event	Earliest time	Latest time
1	0	0
2	4	4
3	3	8
4	8	8
5	10	10
6	13	13

3. Find all four times for E in the display project. [2 marks]



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

Forward and backward scans for the display network, with completion at day 13.

Event	Earliest time	Latest time
1	0	0
2	4	4
3	3	8
4	8	8
5	10	10
6	13	13

4. A task lasts 8 minutes. Its ES is 12 and LS is 15. Find EF and LF. [2 marks]

5. An activity runs 2→5 for 3 days. $E_2 = 6$, $E_5 = 12$ and $L_5 = 14$. Find its earliest finish and explain why it differs from E_5. [3 marks]

6. A claimed schedule gives $\mathrm{ES} = 5$, $\mathrm{EF} = 11$, $\mathrm{LS} = 9$ and $\mathrm{LF} = 14$ for one fixed-duration activity. Identify the inconsistency. [2 marks]