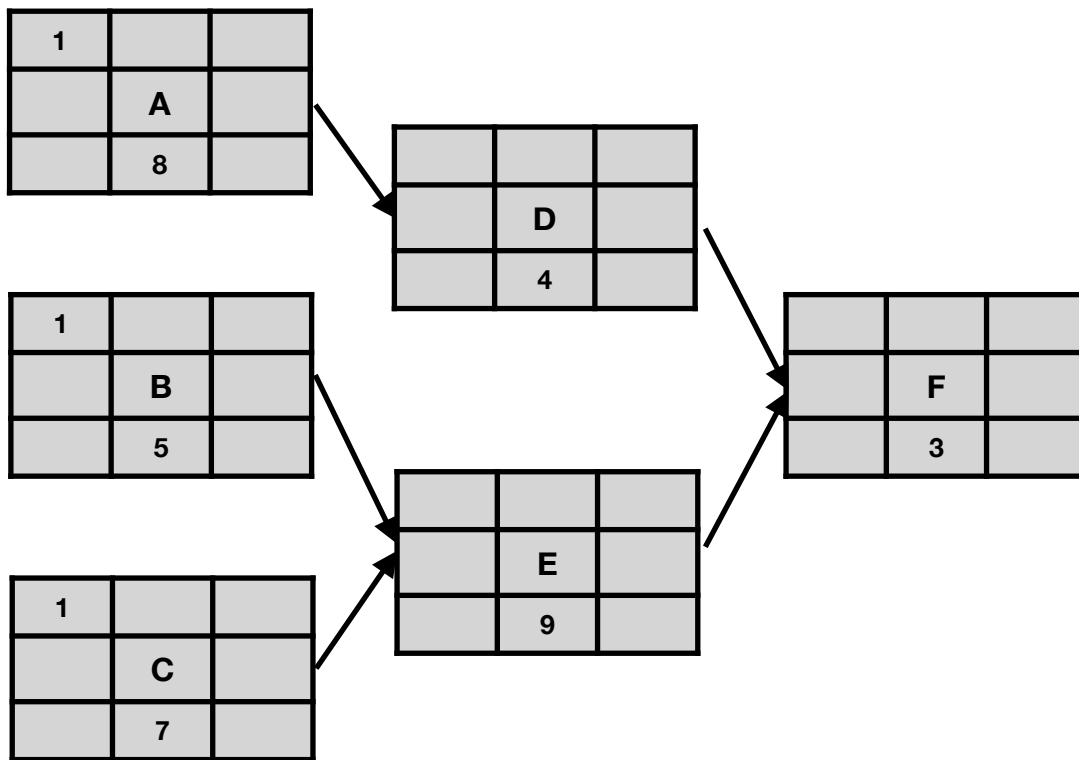


1. The diagram below represents a project without a deadline



Q1. What is the critical path?

Q2. What is the project float?

Q3. What is the Total float for task A?

Q4. What would the Total Float of task C be if there was a deadline of day 80?

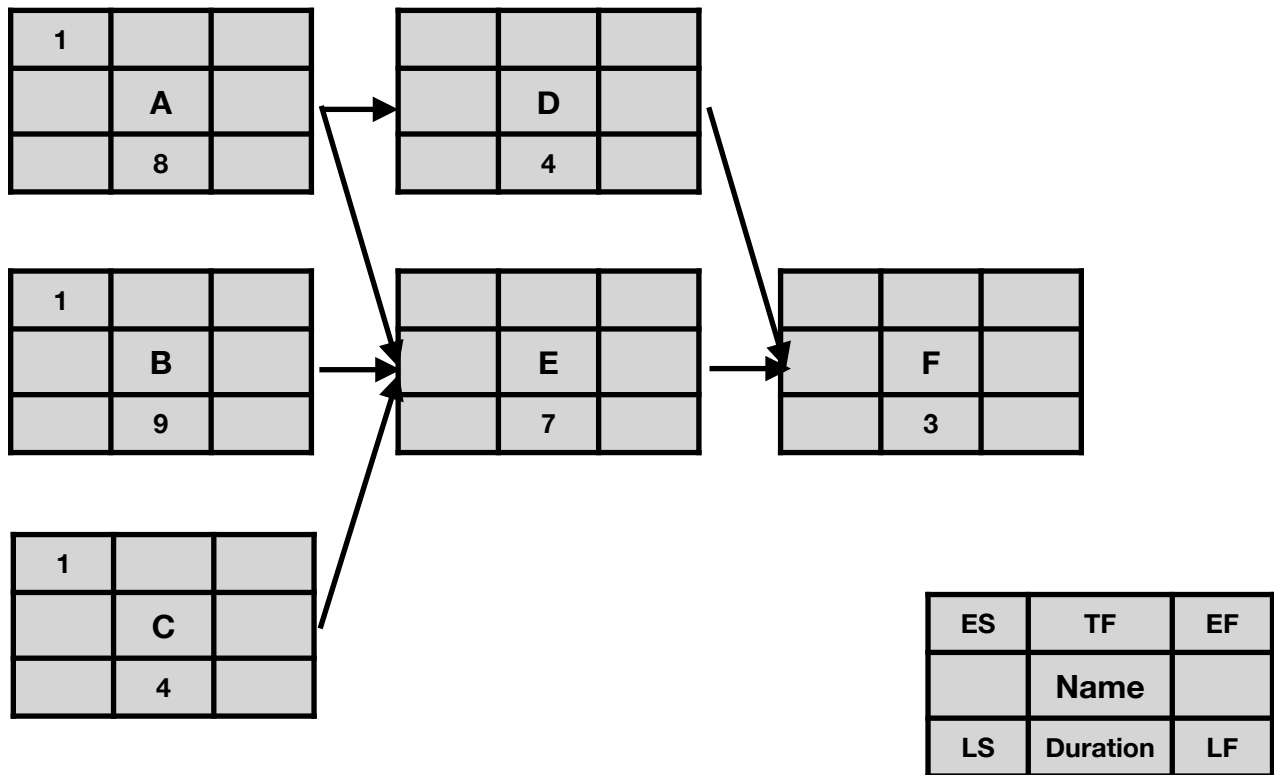
Q5. What is the successor and predecessor activities for activity E?

Q6. If the deadline changed and you need to reduce the project duration what activity would you crash?

Q7. What is the Free Float between activities D and F?

ES	TF	EF
	Name	
LS	Duration	LF

2. The diagram below represents a project with no deadline but is missing Task Q. Task Q a successor of task C and must be completed before task F can be started. Task Q has a duration of 14.



Q1. What is the critical path after adding activity Q?

Q2. What is the project float?

Q3. What is the Total Free Float between activities E and F?

Q4. Before we added task Q what was the original critical path?

3. Draw the diagram for a project that has 9 activities. Activities D and C have one predecessor activity A. Activity H has three predecessors D, C and E. Activity G also has three predecessors I, H and F. Activity I has only one predecessor activity D. Activity F also has one predecessor E. Activity B must occur before activity E can start. No deadline has been given for this project. The table shows the estimated durations for each activity.

Task	Duration
A	8
B	5
C	9
D	4
E	13
F	6
G	4
H	7
I	3

Q1. What is the critical path?

Q2. What is the project float?

Q3. What is the Total float for task F?