

Draw a project network from the following information. What activity(ies) is a burst activity? What activity(ies) is a merge activity?

ID	Description	Predecessor
A	Contract signed	None
B	Survey designed	A
C	Target market identified	B
D	Data collection	B, C
E	Develop presentation	B
F	Analyze results	D
G	Demographics	C
H	Presentation	E, F, G

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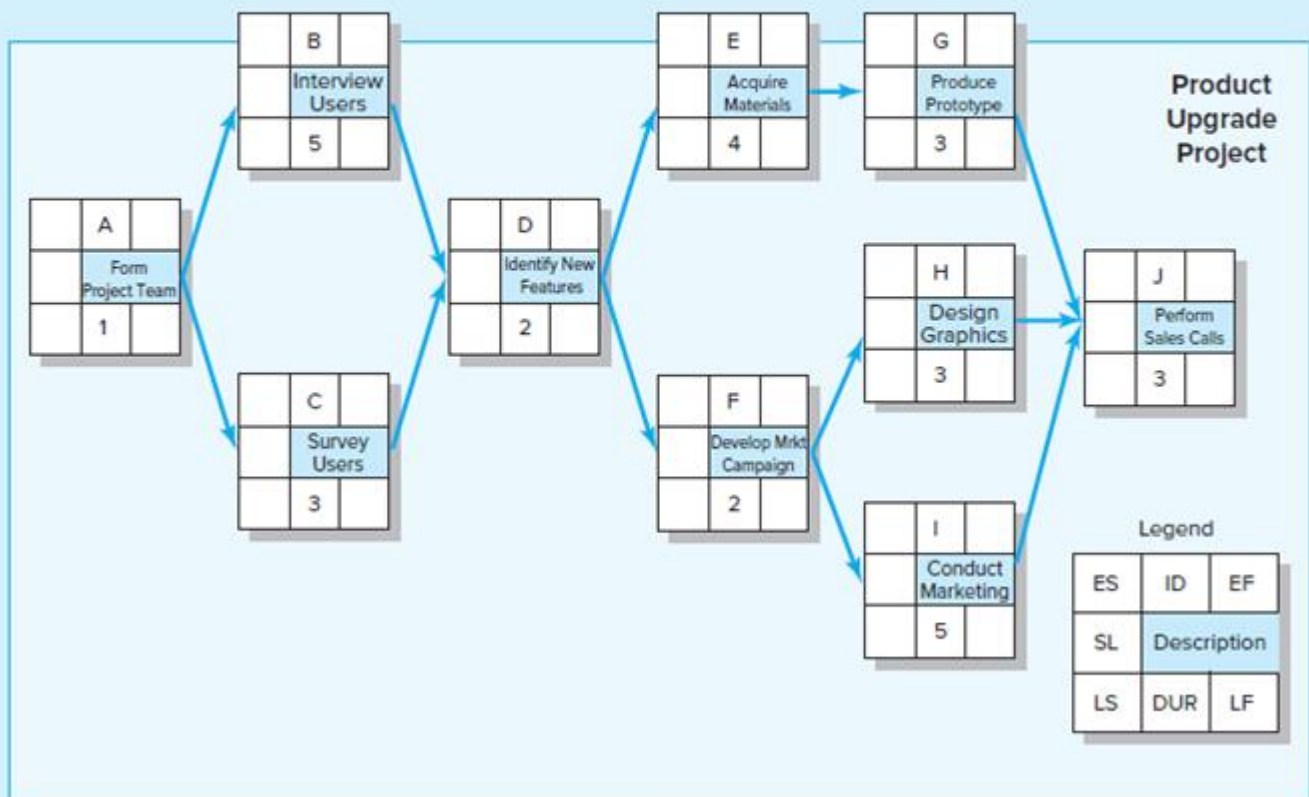
ID	Description	Predecessor
A	Order review	None
B	Order standard parts	A
C	Produce standard parts	A
D	Design custom parts	A
E	Software development	A
F	Manufacture custom parts	C, D
G	Assemble	B, F
H	Test	E, G

You have signed a contract to build a garage for the Simpsons. You will receive a \$500 bonus for completing the project within 17 working days. The contract also contains a penalty clause in which you will lose \$100 for each day the project takes longer than 17 working days.

Draw a project network given the information below. Complete the forward and backward pass, compute the activity slack, and identify the critical path. Do you expect to receive a bonus or a penalty on this project?

ID	Description	Predecessor	Time (days)
A	Prepare site	None	2
B	Pour foundation	B	3
C	Erect frame	C	4
D	Roof	C	4
E	Windows	C	1
	Doors	C	1
G	Electrical	D, E, F, G	3
H	Rough-in frame	F, G	2
I	Door opener	H, I	1
J	Paint	J	2
K	Cleanup		1

You are managing a product upgrade project for Bangkokagogo. Given the project network that follows, complete the forward and backward pass, compute activity slack, and identify the critical path. Use this information to create a Gantt chart for the project. Be sure to show slack for noncritical activities.



Product Upgrade Project Gantt Chart

[illegible]

Given the network below, compute the early, late, and slack time for each activity. Clearly identify the critical path.

