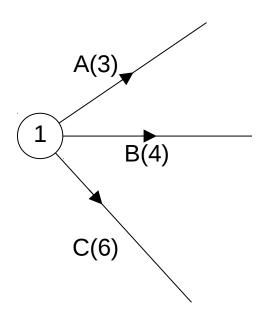
The table below shows the tasks involved in a project, with their durations and immediate predecessors.

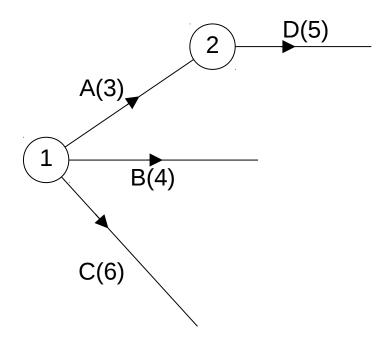
Task	Duration (hours)	Immediate predecessors
Α	3	-
В	4	-
С	6	-
D	5	Α
E	1	В
F	6	В
G	7	C, D, E

Draw an activity network for the project.



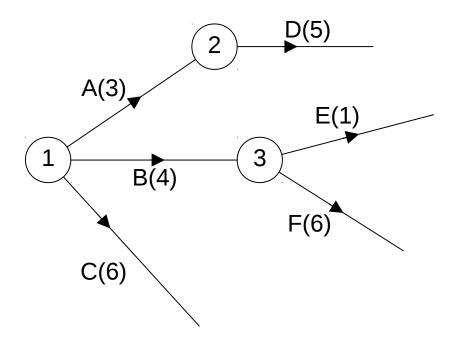
First draw a start node labelled 1.

Activities A, B and C do not depend on any other activity, so they all begin at node 1.



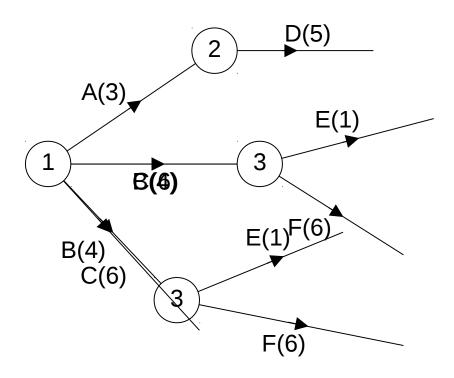
Activity D depends on A, so add event node 2 at the end of A.

Now add activity D.



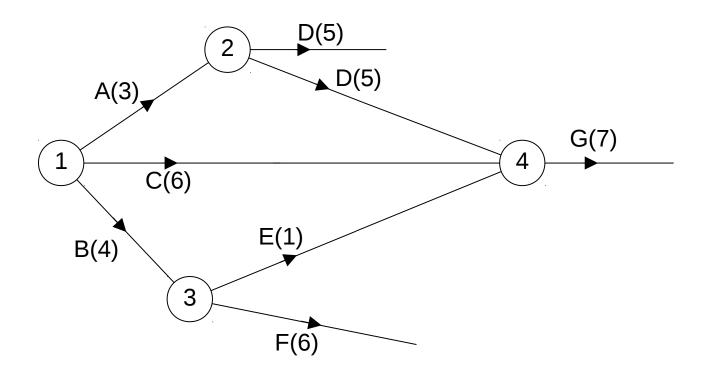
Activities E and F both depend on B, so add event node 3 at the end of B.

Now add activities E and F.



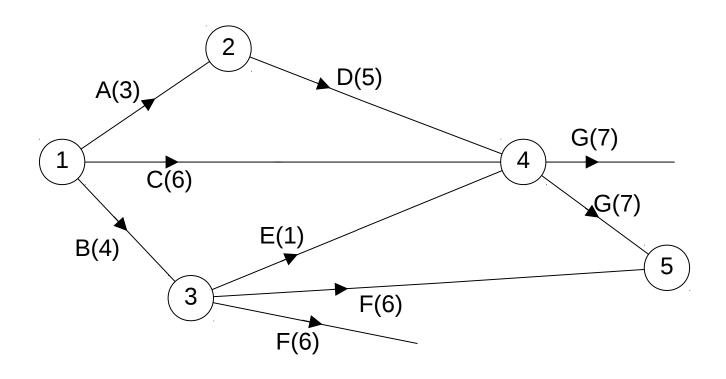
Activity G depends on C, D and E, so all these three events need to end at the same node.

This is easiest if you redraw the network so that C is between A and B.

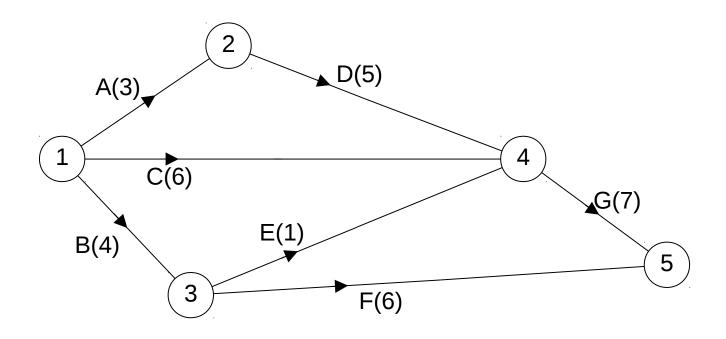


Now add node 4, with C, D and E leading into it.

Now add activity G.



A finish node is now needed. Any activities not leading into a node must end at the finish node.



The network is now complete.