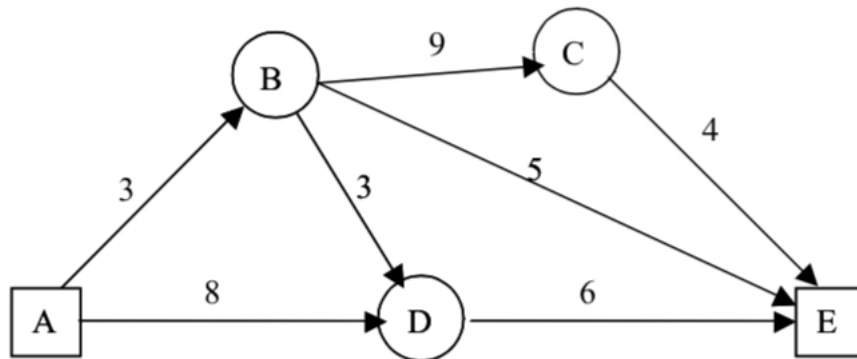


## Open questions

1. Here is an activity graph with time estimates for each activity in weeks



- (a) For each activity in the graph, calculate the slack
- (b) What is the critical path?
- (c) Suppose that an extra member of staff is available who can work on either activity BE or activity BC but not both
  - i. If she works on activity BE, the time estimate for BE is reduced from 5 weeks to 3 weeks. How much would the elapsed time to complete the project be reduced?
  - ii. If she works on activity BC, the time estimate for BC is reduced from 9 weeks to 6 weeks. How much would the elapsed time to complete the project be reduced?