

Tim Tebow, director of Personnel of Management Resources, Inc., is in the process of designing a program that their customers can use in the job-finding process. Some of the activities include preparing resumes, writing letters, making appointments to see prospective employers, researching companies and industries, and so on. Some of the information on the activities appears in the accompanying table.

Activity	Immediate Predecessor	Expected Time (Days)	Variance
A	–	10.0	0.44
B	–	7.2	0.25
C	–	3.2	0.03
D	A	20.0	11.11
E	C	7.0	0.11
F	B, D, E	10.0	0.11
G	B, D, E	7.3	0.44
H	F	15.0	0.11
I	F	11.2	0.25
J	G, H	7.2	0.11
K	I, J	6.7	0.44
L	G, H	2.2	0.25

- a) Construct a network diagram for this project.
- b) What are the critical path activities and what is the expected project completion time?
- c) What is the probability that the project will be finished in 70 days?