

Consider the following data for the activities in an accounting systems conversion project:

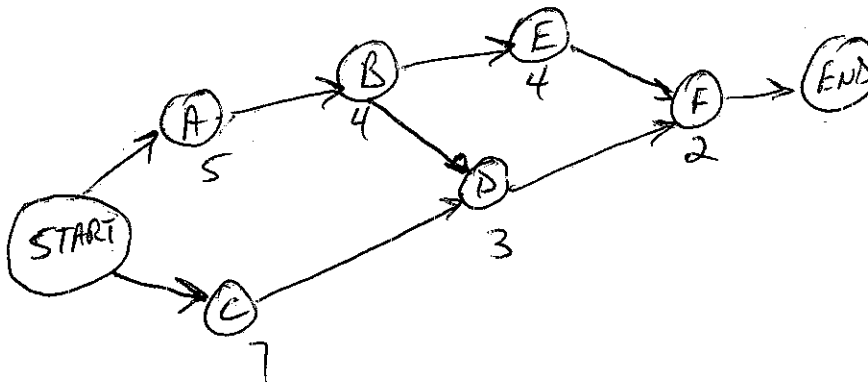
Activity	Immediate Predecessors	Estimated time (days)
A Develop Chart of Accounts	-	5
B Map to legacy systems	A	4
C Develop system interfaces	-	7
D Develop control edits	B,C	3
E Load historical data	B	4
F Test data accuracy	D,E	2

REQUIRED:

Prepare a network diagram for the project.

List the activities on the critical path.

What is the minimum project completion time?



$A - B - E - F = 15 = \text{CRITICAL PATH}$

$C - D - F = 12$

$A - B - D - F = 14$

SLACK: $D = 1 \text{ day}$

$A - B - D - F = 14$

critical path = $\frac{15}{1 \text{ day slack}}$

$C = 3 \text{ days}$

$C - D - F = 12$

$\frac{15}{12} = 3 \text{ days slack}$