

## Simplexville Wireless

Simplexville Wireless is about to expand its hotspot offerings around town. The activities below must be completed before the service expansion is completed:

Activity	Description	Predecessors	Duration (weeks)
A	Choose new hotspot locations	-	2
B	Get town council to approve expansion	A	4
C	Order hotspot routers needed to expand service	B	3
D	Install cable to support additional bandwidth	B	2
E	Install hotspot routers	C, D	10
F	Change billing system	B	4

The company's goal is to find the earliest time that the expansion can be completed. Formulate this problem as a shortest path problem.