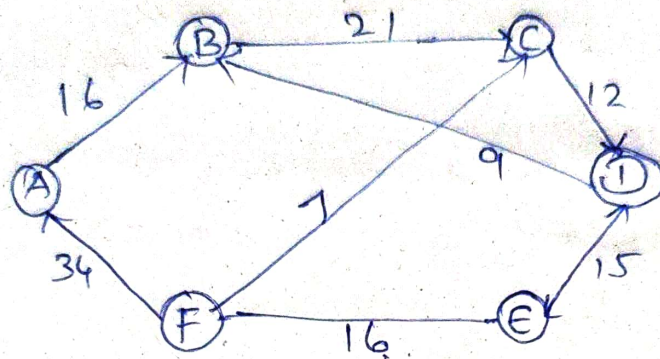


Travelling sales man problem



$$A \rightarrow B \rightarrow C \rightarrow D \rightarrow E \rightarrow F \rightarrow A$$

$$16 + 21 + 12 + 15 + 16 + 34$$

$$\text{Total} = \underline{114}$$

$$A \rightarrow B \rightarrow D \rightarrow C \rightarrow E \rightarrow F \rightarrow A$$

$$16 + 7 + 12 + 15 + 16 + 34 = 100$$

↓
Shortest path.

$$A \rightarrow F \rightarrow E \rightarrow D \rightarrow C \rightarrow B \rightarrow A \Rightarrow 114$$

$$A \rightarrow F \rightarrow C \rightarrow D \rightarrow E \rightarrow B \rightarrow A \Rightarrow 102$$