Shortest path, longest path, and Chinese postman problem examples
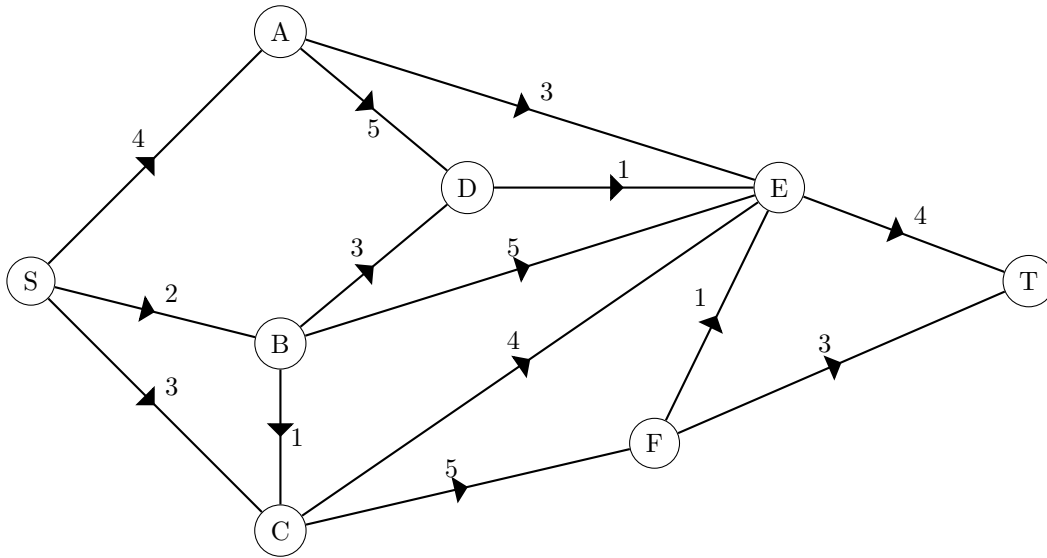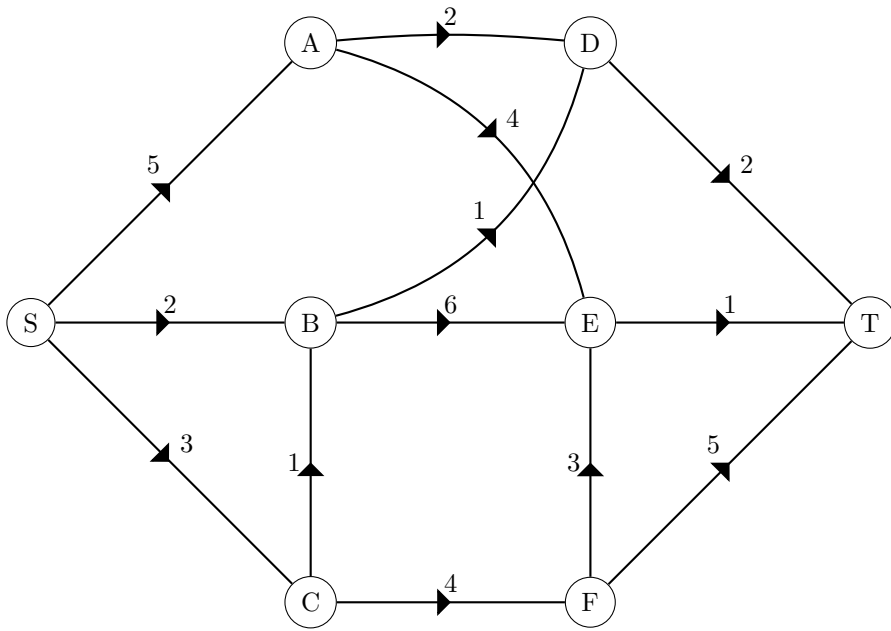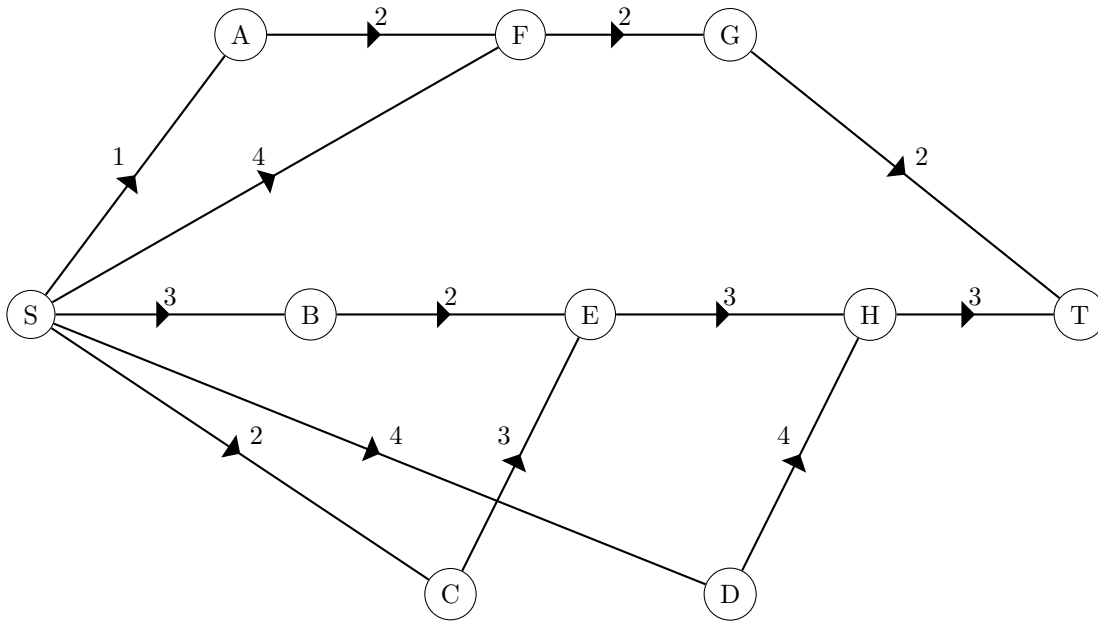
In the following weighted digraph, find the shortest path from node S to node T.

In the following weighted digraph, find the longest path from node S to node T, and then complete the scheduling problem.

A

3

5

4

D

1

E

4

3

S

2

5

1

T

B

4

1

3

C

F

3

5

Complete the following table according to scheduling the events represented in the above graph:

E-Earliest start time · L-Latest start time · F-Float time

	SA	SB	SC	AD	AE	BD	BE	CB	CE	CF	DE	ET	FE	FT
E														
L														
F														

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E-Earliest start time   L-Latest start time   F-Float time

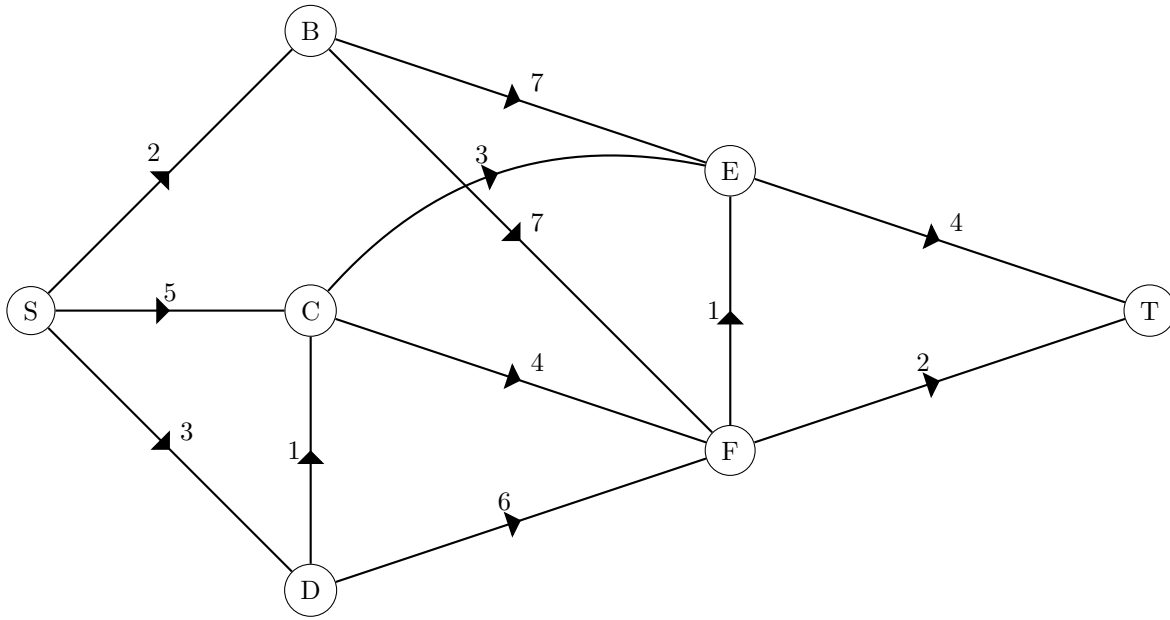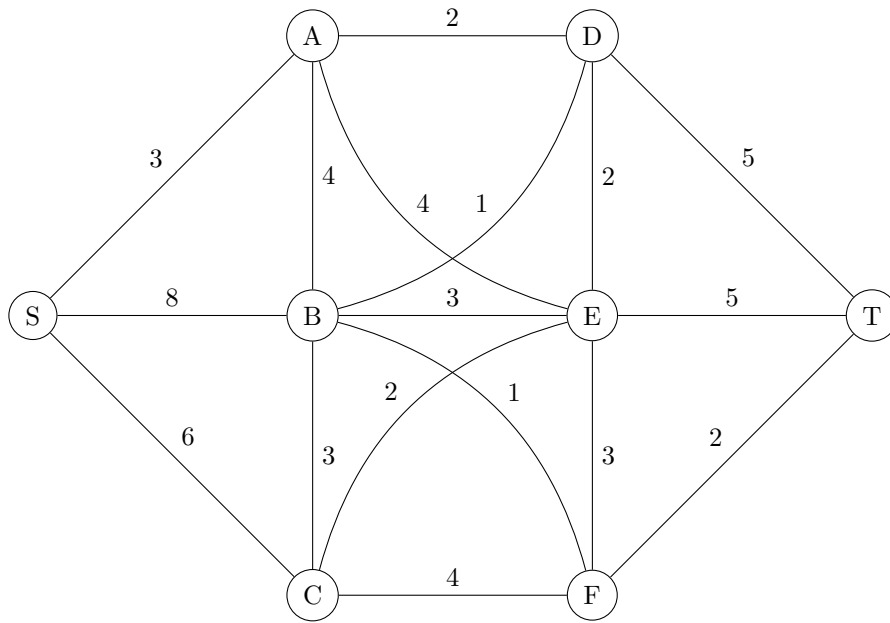|	SA	SB	SC	AD	AE	BD	BE	CB	CF	DT	ET	FE	FT
E													
L													
F													

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In the following weighted digraph, find the longest path from node S to node T.

Complete the following table according to scheduling the events represented in the above graph:

E-Earliest start time   L-Latest start time   F-Float time

	SA	SB	SC	SD	SF	AF	BE	CE	DH	EH	FG	GT	HT
E													
L													
F													

In the following weighted digraph, find the shortest path from node S to node T.

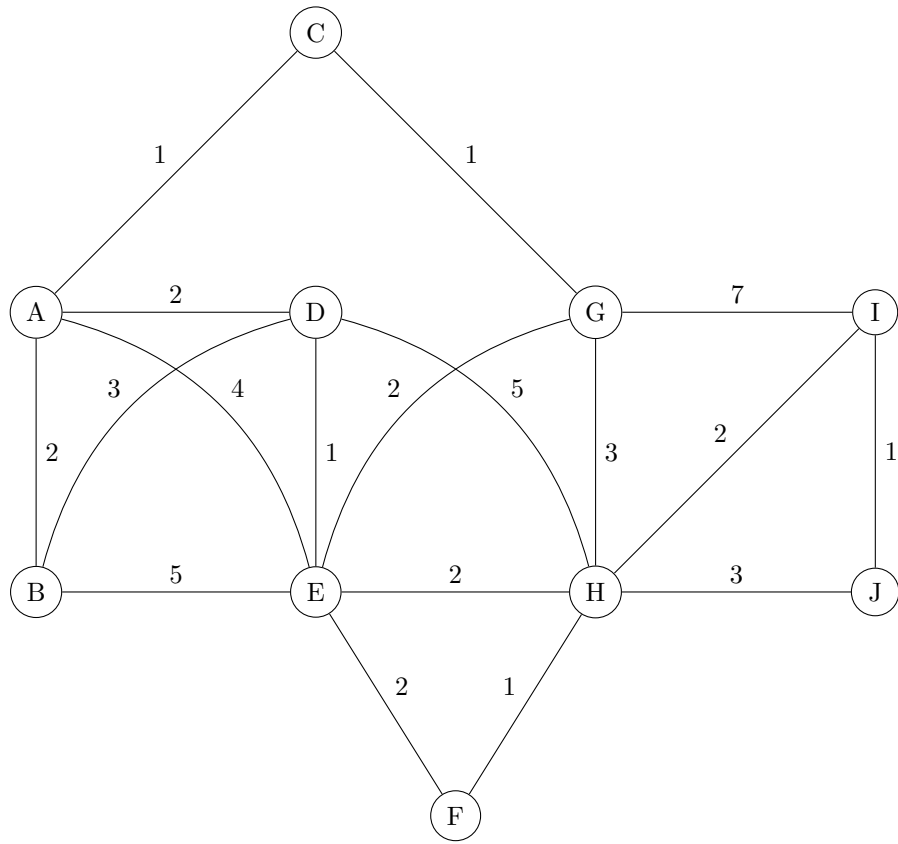In the following weighted digraph, find the longest path from node S to node T.

Complete the following table according to scheduling the events represented in the above graph:

E-Earliest start time   L-Latest start time   F-Float time

	SB	SC	SD	BE	BF	CE	CF	DC	DF	ET	FE	FT
E												
L												
F												

In the following weighted digraph, find the shortest path from node S to node T.

Solve the Chinese postman problem for the above graph.

Solve the Chinese postman problem for the following weighted digraph.

Solve the Chinese postman problem for the following weighted digraph.