run:

The Graph for the following Assignment is:

0 1 2 3 4 5 6

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0| 0 5 3 1 0 0 0

1| 2 0 1 0 1 0 0

2| 3 1 0 2 3 0 0

3| 1 0 2 0 0 1 0

4| 0 1 3 0 0 0 2

5| 0 0 0 1 0 0 2

6| 0 0 0 0 2 2 0

Choose the form of routing:-

1.Link State Routing 2. Distance Vector Routing

1

Vertex Distance

0 -> 1 4

0 -> 2 3

0 -> 3 1

Vertex Distance

1 -> 0 2

1 -> 2 1

1 -> 4 1

Vertex Distance

2 -> 0 3

2 -> 1 1

2 -> 3 2

2 -> 4 2

Vertex Distance

3 -> 0 1

3 -> 2 2

3 -> 5 1

Vertex Distance

4 -> 1 1

4 -> 2 2

4 -> 6 2

Vertex Distance

5 -> 3 1

5 -> 6 2

Vertex Distance

6 -> 4 2

6 -> 5 2

Vertex Distance

0 -> 1 4 1<=2<=0<=0

0 -> 2 3 2<=0<=0

0 -> 3 1 3<=0<=0

0 -> 4 5 4<=1<=2<=0<=0

0 -> 5 2 5<=3<=0<=0

0 -> 6 4 6<=5<=3<=0<=0

Do you want to continue(press 1 for going back to menu:)

1

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Choose the form of routing:-

1.Link State Routing 2. Distance Vector Routing

2

Destination Cost Next hop

1 4 2

2 3 0

3 1 0

4 5 2

5 2 3

6 4 3

Do you want to continue(press 1 for going back to menu:)

0

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BUILD SUCCESSFUL (total time: 15 seconds)