```
 Enter the number of vertices:5

 Enter the number of edges:
5

 Enter the end vertices of edge1 with its weight
1
2
20

 Enter the end vertices of edge2 with its weight
3
4
40

 Enter the end vertices of edge3 with its weight
2
3
15

 Enter the end vertices of edge4 with its weight
4
5
80

 Enter the end vertices of edge5 with its weight
1
3
10

 Matrix of input data:
999     20      10      999     999
999     999     15      999     999
999     999     999     40      999
999     999     999     999     80
999     999     999     999     999
```

```
 Transitive closure:
0        20       10       50       130
999      0        15       55       135
999      999      0        40       120
999      999      999      0        80
999      999      999      999      0

 The shortest paths are:

 <1,2>=20
 <1,3>=10
 <1,4>=50
 <1,5>=130
 <2,1>=999
 <2,3>=15
 <2,4>=55
 <2,5>=135
 <3,1>=999
 <3,2>=999
 <3,4>=40
 <3,5>=120
 <4,1>=999
 <4,2>=999
 <4,3>=999
 <4,5>=80
 <5,1>=999
 <5,2>=999
 <5,3>=999
 <5,4>=999

------------------
(program exited with code: 0)
Press return to continue
```