

OUTPUT:

```
Enter the number vertices in the graph:4
Enter the adjacency matrix Enter 999 for the infinite edges:
0 1 999 4
999 0 999 999
8 2 0 999
999 6 5 0
The following matrix shows the shortest distances between every pair of vertices
    0      1      9      4
    999      0     999     999
    8      2      0     12
    13     6      5      0
```