Simple graph representation example:

Graph:



Input file:

A B C D E Z

A 0 5 0 4 0 9

B 5 0 10 0 0 0

C 0 10 0 8 0 7

D 4 0 8 0 11 0

E 0 0 0 11 0 6

Z 9 0 7 0 6 0

A simple adjacency matrix (as a two-dimensional matrix)

0 5 0 4 0 9

5 0 10 0 0 0

0 10 0 8 0 7

4 0 8 0 11 0

0 0 0 11 0 6

9 0 7 0 6 0

A simple adjacency list (note this is a logical representation):

A: B -> D -> Z

B: A -> C

C: B -> D -> Z

D: A -> C -> E

E: D -> Z

Z: A -> C -> E