

```
1 "C:\Program Files\Java\jdk-16.0.2\bin\java.exe" "-
  javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
  2021.3.1\lib\idea_rt.jar=64515:C:\Program Files\
  JetBrains\IntelliJ IDEA 2021.3.1\bin" -Dfile.encoding
  =UTF-8 -classpath D:\Sourodip\Java\
  ArtificialIntelligenceAssignments\out\production\
  ArtificialIntelligenceAssignments Question1.IDS
2 Enter the number of vertices:
3 11
4 Enter the number of edges:
5 13
6 Enter the verices b/w which edge is present:
7 0 1
8 0 2
9 1 5
10 1 6
11 6 7
12 6 8
13 7 8
14 2 4
15 2 3
16 2 9
17 3 9
18 3 10
19 9 10
20 Enter the start node:
21
22 0
23 Enter the destination node:
24 10
25 For depth limit 0 ,Nodes visited: 0
26 For depth limit 1 ,Nodes visited: 0 1 2
27 For depth limit 2 ,Nodes visited: 0 1 5 6 2 4 3 9
28 For depth limit 3 ,Nodes visited: 0 1 5 6 7 8 2 4 3 9
  10
29 The destination achieved at depth 3
30
31
32 Process finished with exit code 0
33
```