190031187 MP-2 Tutorial-4 Radhabrishna

1.

No. of vertices = 5 let source vertex = A Iteration to be done (atmost) = vertices -1

Initially

fdges - (A,B) (A,C) (B,C) (B,D) (D,C) (D,B) (B,€) (€,D) Note - Need not be in same

Iteration -1

After (A,B)

After (A,C)

AHer (BC)

After (B,D)

A B C D E

After (D, C)

A B C D E A B C DE -12100-12 0

Iteration-2

we can obscrive that there is no change in this iteration so we can stop here

Mole: While coding we cannot find out these things so we will do atmost of (Vertices -1) Iterations

$$A - 0$$