Artificial Intelligence Lab
Lab 3 Manual
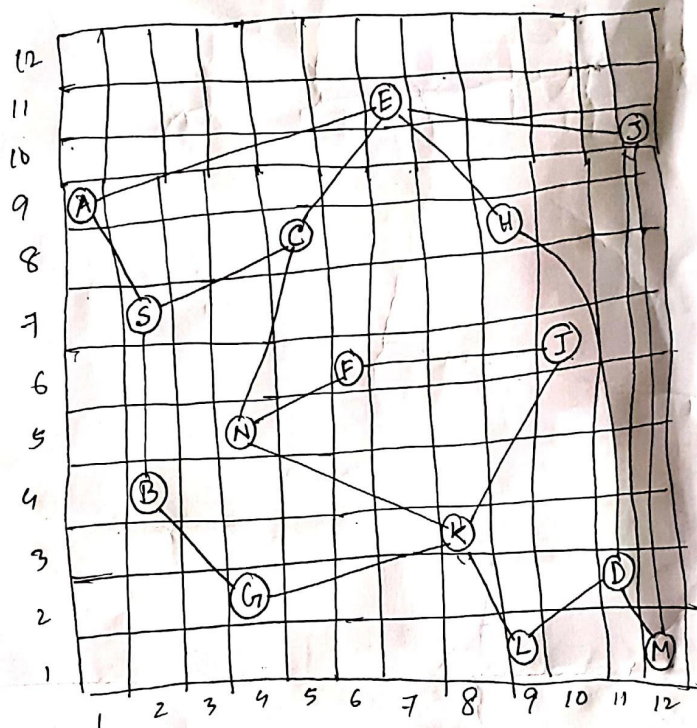
[Submit your source file only
Name your file like this "regno1_regno2_lab3.cpp/py/c/java"]
**Report to me when you've completed any checkpoint

Task:

You're given a graph containing the path cost of the connecting edges along with the straight line distance from any city to the destination.

S - A → 20

S - B → 30

S - C → 30

A - E → 60

B - G → 30

C - N → 50

N - F → 40

G - k → 50

F - I → 50

K - I → 50

k - L → 30

L - D → 30

D - M → 20

J - D → 100

A - D → 90

E - H → 50

E - J → 60

N - k → 60

C - E → 30

Checkpoint 1:   50%

Perform GBFS on this graph to find the total path cost and visited city count.

Checkpoint 2: 50%

Perform A* search on this graph to find the total path cost and visited city count.