In the name of God

This code is prepared for substructure method in finite element.

Input

You should input mesh and loading propertirs in the input_data is a directory in code path

This directory must be contain from 4 txt file exist in input_data

1)Node.txt

Enter Coordinate of nodes as node.txt

2)Elem.txt

Enter elem of mesh in elem.txt

3)restrain.txt

Enter restained nodes in restrain.txt

4)force.txt

Enter degs of freedom witch contain force in x & y in force.txt

Output

Displacement of nodes create in variable u