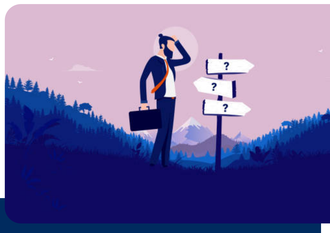
Beautiful Crafted Web Experiences

Meet Ling

FEATURED PROJECT

Travelling Salesman Problem

Travelling Salesman Problem
is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book.



Python

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Java

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HTML

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NETWORK FLOWS

Ford-Fulkerson

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```
public static String fordfulkerson(WGraph graph){
    String answer = "";
    int maxFlow = 0;
    int bottleNeck;

    WGraph residual = new WGraph(graph); //initiate residual graph


    while (!pathDFS(residual.getSource(), residual.getDestination(), residual).isEmpty()) {
        ArrayList<Integer> path = pathDFS(residual.getSource(), residual.getDestination(), residual);
        bottleNeck = bottleNeck(path, residual);
        ArrayList <Edge> edges = getPathEdges(path, residual);

        //update residual
        residual = residual(residual, bottleNeck, edges);
        maxFlow += bottleNeck; //AUGMENT
    }

    update(graph, residual);
    answer += maxFlow + "\n" + graph.toString();
    return answer;
}
```

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CONTACT ME