Distance Vector

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```
class Topology:
    def __init__(self, array of points)
        self.nodes = Array of point
        self.edges = []

    def add_bi_con (self, p1, p2, cost):
        self.edges.append ((p1, p2, cost))
        self.edges.append ((p2, p1, cost))

    def DVR(self):
        for node in self.nodes:
            dist = collections.defaultdict(int)
            next_hop = {node : node}
            for othernode in self.nodes:
                if othernode != node
                    dist[othernode] = 1000000
```