papergrid
Date: / /

- Distance Vector -

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```
class Topology:
    def __init__(self, a):
        self.nodes = a
        self.edges = []

def dvr(self):
    import Collections
    for node in self.nodes:
        dist = Collections.defaultdict(input)
        nh = {node: node}
        for other in self.nodes:
            if other != node:
                dist[other] = 10000
    for in rang(len(self.nodes) - 1):
        for edge in self.edges:
            s, d, c = edge
            if dist[s] + c < dist[d]:
                dist[d] = dist[s] + c
                if s == node: then nh[d] = d
                elif s in nh:
                    nh[d] = nh[s]
    for dest, cost in dist.items():
        if cost:
            print(f'{dest} {cost} {nh[dest]}')
```

Scanned with CamScanner