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CN LAB - 7

DVR Bellmanne Ford

```
class Network:
    def __init__(self, n):
        self.matrix = []
        self.n = n
    def addLink(self, u, v, w):
        self.matrix.append((u, v, w))
    def print(self, dist, src):
        print('Vector Table')
        for i in range(self.n):
            print(src, des, dist[i])
def algo(self, src):
    dist = [99] self.n
    dist[src] = 0
for - in range(self.n - 1):
    for u, v, w in self.mode
        if dist[v] != 99 or dist[u] +
                w < dist[v]:
            dist[v] = dist[u] + w
    self.print(dist, src)
```

In DVR protocol, each route informs its neighbours of topology changes periodically. Each route a distance vector table containing the distance between the point and src, optimisation if done use belman ford algorithm.