```
1-E(3.4.24).py - C:/231501167/1-E(3.4.24).py (3.12.2)

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reconst_path=[]
               while par[n]!=n:
                   reconst_path.append(n)
                   n=par[n]
               reconst_path.append(start)
               reconst_path.reverse()
               print('Path found:{}'.format(reconst_path))
return reconst_path
            for (m,weight)in self.get_neighbors(n):
if m not in open_lst and m not in closed_lst:
                   open_lst.add(m)
                   par[m]=n
poo[m]=poo[n]+weight
                   if poo[m]>poo[n]+weight:
                      poo[m]=poo[n]+weight
par[m]=n
if m in closed_lst:
                          closed_lst.remove(m)
                          open_lst(m)
            open\_lst.remove(n)
            closed_lst.add(n)
        print('Path does not exist!')
return None
adjac_lis={A:[('D',1),('C',3),('D',7)],'B':[('D',5)],'C':[('D',12)]}
graph1=Graph(adjac_lis)
```

```
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Python 3.12.2 (tags/v3.12.2:Gabddd9, Feb 6 2024, 21:26:36) [MSC v.1937 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

= RESTART: C:/231501167/1-E(3.4.24).py

Path found:['A', 'B', 'D']
```