In [1]:
```
import pulp
```

In [2]:
```
h = [6, 4, 8, 6, 2, 4]

prob = pulp.LpProblem("Deadline_Drive_Development", pulp.LpMinimize)

fin = [[pulp.LpVariable(f'fin_{j}_{i}', lowBound=0, cat="Binary") for i in range
do = [pulp.LpVariable(f'do{i}', lowBound=0, cat="Binary") for i in range(6)]

#obj
prob += do[0]+do[1]+do[2]+do[3]+do[4]+do[5]

#st
for i in range(6):
    for j in range(6):
        prob += do[i] >= fin[i][j]

for j in range(6):
    prob += pulp.lpSum(h[i] * fin[j][i] for i in range(6)) <= 10

for i in range(6):
    prob += pulp.lpSum(fin[j][i] for j in range(6)) == 1

prob += pulp.lpSum([[fin[j][i] for i in range(6)]for j in range(6)]) == 6

for i in range(6):
    prob += fin[i][0]+fin[i][1] <= 1

for i in range(6):
    prob += pulp.lpSum([fin[j][3]+fin[j][4]-2*fin[j][5] for j in range(i)])>= 0

for i in range(1,6):
    prob += do[i]<=do[i-1]

prob.solve()

for i in range(6):
    for j in range(6):
        print(fin[i][j].varValue,end=",")
    print("\n")

print("objective value",pulp.value(prob.objective))
```

```
0.0,1.0,0.0,1.0,0.0,0.0,

0.0,0.0,1.0,0.0,1.0,0.0,

1.0,0.0,0.0,0.0,0.0,1.0,

0.0,0.0,0.0,0.0,0.0,0.0,

0.0,0.0,0.0,0.0,0.0,0.0,

0.0,0.0,0.0,0.0,0.0,0.0,

objective value 3.0
```