90. JOB SEQUENCENCING WITH DEADLINES

PROGRAM:

```
arr = [
    ['a', 2, 100],
    ['b', 2, 20],
    ['c', 1, 40],
    ['d', 3, 35],
    ['e', 1, 25]
    ]
print("Following is maximum profit sequence of Jobs: ")
n = len(arr)
t = 3
for i in range(n):
  for j in range(n - 1 - i):
    if arr[j][2] < arr[j + 1][2]:
      arr[j], arr[j + 1] = arr[j + 1], arr[j]
result = [False] * t
job = ['-1'] * t
for i in range(len(arr)):

  for j in range(min(t - 1, arr[i][1] - 1), -1, -1):

    if result[j] is False:
      result[j] = True
      job[j] = arr[i][0]
      break
print(job)
```

OUTPUT:

```
Following is maximum profit sequence of Jobs:
['c', 'a', 'd']


=== Code Execution Successful ===
```

TIME COMPLEXITY:O(n^2)