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HW1 part2
Code:
import math
f = open("Input.dat")
array = []
for line in f:
     array.append([float(x) for x in line.split()]) #transfer input to array
f.close()
message number = int(array[0][0])
R_{array} = [0] * message_number
tau = array[1][0]
\max B = [0] * message number
#calculate block time
for i in range(message_number):
    for j in range(i,message_number):
          if(max B[i] < array[j+2][1]):
               max_B[i] = array[j+2][1]
for i in range(message number):
     Q = max_B[i]
     temp = 0
     #first time calculate
     for j in range(i):
          temp = temp + math.ceil((Q+tau)/array[j+2][2])*array[j+2][1]
     RHS = max_B[i] + temp
     while(RHS != Q):
          Q = RHS
          temp = 0
          for j in range(i):
               temp = temp + math.ceil((Q+tau)/array[j+2][2])*array[j+2][1]
          RHS = max_B[i] + temp
          if(RHS + array[i+2][1] > array[i+2][2]):
               R_{array}[i] = "No"
     R_{array}[i] = round(Q + array[i+2][1],2)
     print(R_array[i])
```

Output:

1.44
2.04
2.56
3.16
3.68
4.28
5.2
8.4
9.0
9.68
10.2
19.36
19.8
20.32
29.4
29.76
30.28