================ Input ==================
```
solver = Solution()
m =[5,4,6]
t = [3,1,5,4]
print solver.problem6_1(m,t)
```

================ Output ==================
```
18.0
```

================ Python Code =============
```
import numpy as np
class Solution(object):
	def problem6_1(self, m, t):
		""" function designed for problem 6-1
		@para: m is an array of length D containing the time for reading m(i) on day i
				t is an array of length n containing the time to read chapter #j, t(j)
		"""
		# init
		D = len(m)
		n = len(t)
		Memo = np.zeros((D,n+1))
		T = 0
		Memo[D-1][n] = m[D-1]**4
		for j in range(n-1,-1,-1):
			T += t[j]
			Memo[D-1][j] = (max(m[D-1]-T,0))**4 + max(T-m[D-1],0)
			# base case unhappiness

		# iterative DP
		for i in range(D-2, -1, -1):
			for j in range(n+1):
				record = []
				record.append(m[i]**4+Memo[i+1][j])
				T = 0
				for p in range(j,n):
					T += t[p]
					temp_unhap = (max(m[i]-T,0))**4 + max(T-m[i],0) + Memo[i+1][p+1]
					record.append(temp_unhap)
				Memo[i][j] = min(record)
		return Memo[0][0]

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