TASK 1 (1 point):
Compute the optimal Parenthesization of a Matrix Chain Multiplication consisting of 6 matrices with dimensions specified by the sequence \((6, 10, 4, 13, 5, 25, 8)\). Use the method from the lecture and outline the intermediate results.

TASK 2 (1 point):
Given a set of denominations \(\{m_1, m_2, ..., m_k\}\) for some coins. Write an algorithm that checks if a value \(x\) can be paid out by using these coins. Hint: create a boolean table \(T[b]\) that indicates whether value \(b\) can be paid out.