1. (1 pt)

Question 1

For an expression $(3+2\times4)$ there are two ways of parenthesizing it: $(3+(2\times4))=11$ and $((3+2)\times4)=20$. What is the maximum value of parenthesizing the expression $(5-8+7\times4-8+9)$?

Think of a dynamic programming solution to this problem similar to the one for the chain matrix multiplication problem.