

1. Write your name below:

2. Depict tables similar to those in Figure 14.5 (page 380) of the textbook for MATRIX-CHAIN-ORDER (page 378) on the following input:

matrix:	A_1	A_2	A_3	A_4	A_5
dimension:	100×30	30×100	100×30	30×70	70×10

3. Trace the action of the textbook's PRINT-OPTIMAL-PARENS (page 381) on the instance of Question 2. Depict the tree of recursive calls and their arguments. Write down the final parenthesization in the conventional format.