

Roman Vasilyev

Prof Ross

Cisp 430

2/23/2024

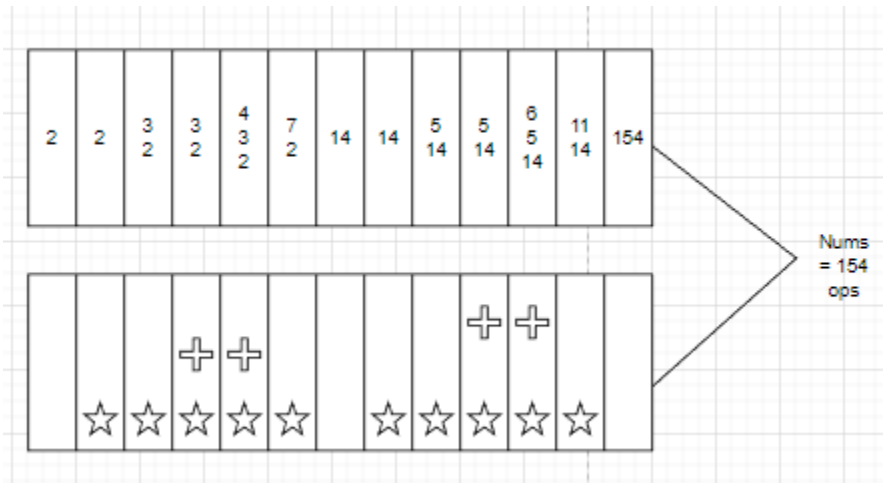
Assignment 5

Stacks and Queues

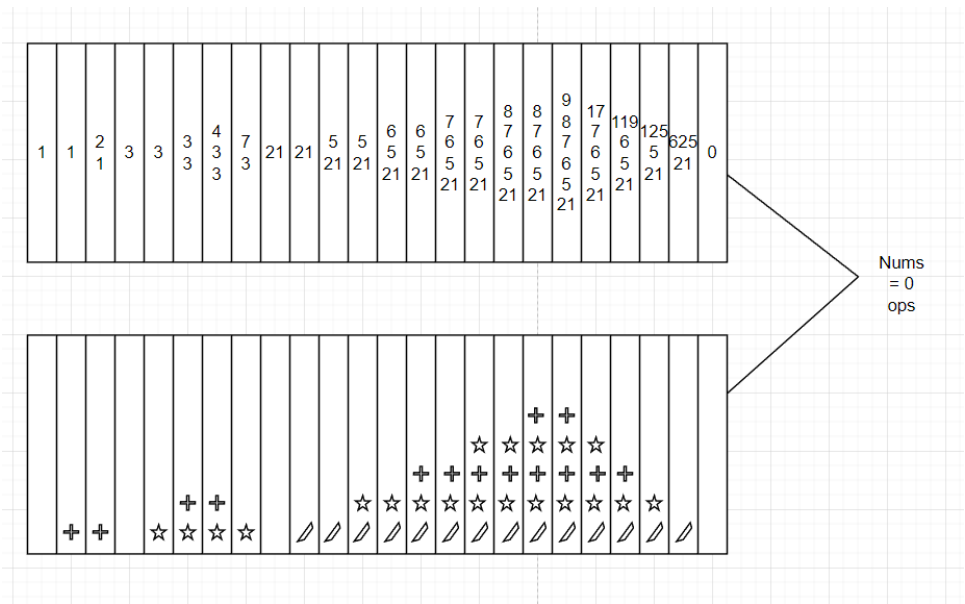
Nums = 5 ops

Diagram illustrating the evaluation of the expression $1 + 2 * 3 + 5$ using a stack-based approach. The expression is split into tokens: numbers and operators. The numbers are 1, 1, 2, 2, 3, 5, 5. The operators are +, +, and five stars representing operands. A bracket on the right indicates that there are 5 operations.

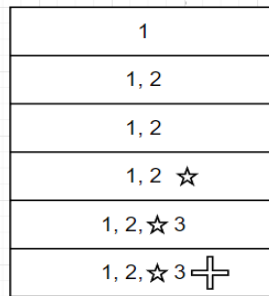
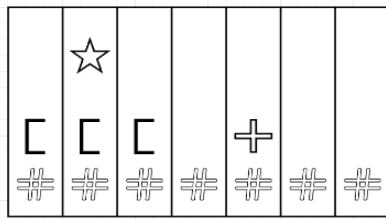
Problem 3



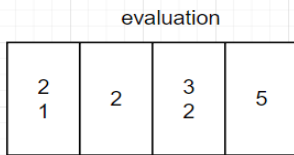
Problem 4



Problem 5

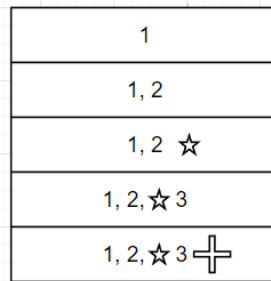
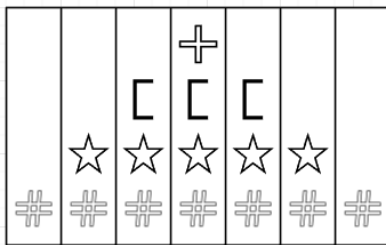


} conversion

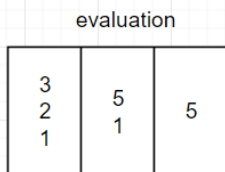


= 5

Problem 6

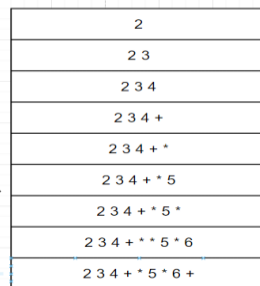
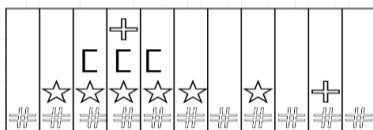


} conversion

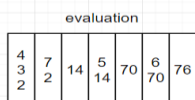


= 5

Problem 7



} conversion



= 76

Problem 8

