Prompt

Postfix notation is an unambiguous way of writing an arithmetic expression without parentheses. It is defined so that if " (exp_1) **op** (exp_2) " is a normal, fully parenthesized expression whose operation is **op**, the postfix version of this is " $pexp_1 pexp_2$ **op**", where $pexp_1$ is the postfix version of exp_1 and $pexp_2$ is the postfix version of exp_2 . The postfix version of a single number or variable is just that number or variable. For example, the postfix version of "((5+2)*(8-3))/4" is "5 2 + 8 3 - * 4 /". Describe a nonrecursive way of evaluating an expression in postfix notation.

Discussion

See the solution for Exercise 6.34.