}

3) (10 pts) ALG (Stacks) Consider evaluating a postfix expression that only contained <u>positive</u> integer operands and the addition and subtraction operators. (Thus, there are no issues with order of operations!) Write a function that evalulates such an expression. To make this question easier, assume that your function takes an array of integers, expr, storing the expression and the length of that array, len. In the array of integers, all positive integers are operands while -1 represents an addition sign and -2 represents a subtraction sign. Assume that you have a stack at your disposal with the following function signatures. Furthermore, assume that the input expression is a valid postfix expression, so you don't have to ever check if you are attempting to pop an empty stack. Complete the evaluate function below.

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