You are asked to write an expression processor for simple numeric expressions with the following constraints:

* Expressions use integral values (e.g., '13' ), single-letter variables defined in Variables, as well as + and - operators only
* There is no need to support braces or any other operations
* If a variable is not found in variables  (or if we encounter a variable with >1 letter, e.g. ab), the evaluator returns 0 (zero)
* In case of any parsing failure, evaluator returns 0

Example:

* calculate("1+2+3")  should return 6
* calculate("1+2+xy")  should return 0
* calculate("10-2-x")  when x=3 is in variables  should return 5