

* Basic Calculator II

$3+5+7-14+2*3*5/4 \rightarrow$ we can add + to the ^{end} beginning of the string.

Always previous operation causes current value to ~~add~~ $(+)$ $(-)$ $(*)$ $(/)$

For $(*)$ $(/)$ we have to take the last value.

\therefore We use a stack & only $(+)$ & $(-)$ we add to it. $(*)$ & $(/)$ we calculate in place & then store.

"_" spaces are not considered as only $(+)$ $(-)$ $(*)$ $(/)$ are the ones changing the stack.

- we can optimize # space by using variables.

previous value is in a variable.

$\begin{pmatrix} 5 \\ 0 \end{pmatrix}$

We ~~can~~ do operations only if previous operation is $(*)$ $(/)$.

If operation is $(+)$ $(-)$, we add previous value to total sum.