

Reverse Polish Notation

Assignment Description

Write a function that reads an expression in reverse polish notation (as a string), evaluates it and returns the answer. You may assume that only valid expressions are entered whose input characters are separated by spaces and that only the four basic operations $\{+, -, *, /\}$ are used. Return the result as a float.

Input-Output specification

A single string of integers or operations separated by a space.

Example

Input	Output
3 4 +	7
1 3 /	0.3333333333333333
200 130 - 7 / 2 / 13 5 6 - * + 17 8 9 * 80 - / +	-10.125

Further Reading

Wikipedia: [Reverse Polish Notation](#)