

150. Evaluate Reverse Polish Notation



Medium



6.7K



970



Companies

You are given an array of strings `tokens` that represents an arithmetic expression in a [Reverse Polish Notation](#).

Evaluate the expression. Return *an integer that represents the value of the expression*.

Note that:

- The valid operators are `'+'`, `'-'`, `'*'`, and `'/'`.
- Each operand may be an integer or another expression.
- The division between two integers always **truncates toward zero**.
- There will not be any division by zero.
- The input represents a valid arithmetic expression in a reverse polish notation.
- The answer and all the intermediate calculations can be represented in a **32-bit**

Code

```
class Solution {
    func evalRPN(_ tokens: [String]) -> Int {
        var stack:[Int] = []

        for i in tokens {
            if let num = Int(i) { stack.append(num); continue }

            switch i {
            case "+":
                let temp = stack.removeLast()
                stack[stack.count-1] =
stack[stack.count-1] + temp
            case "-":
                let temp = stack.removeLast()
                stack[stack.count-1] =
stack[stack.count-1] - temp
            }
        }
    }
}
```

```
        case "*":
            let temp = stack.removeLast()
            stack[stack.count-1] =
stack[stack.count-1] * temp
        case "/":
            let temp = stack.removeLast()
            stack[stack.count-1] =
stack[stack.count-1] / temp
        default:
            continue
            // stack.append(i)
    }
}

return stack.last!
}
}
```