

Problem 1:

- Test bounds by ensuring a non 0 exit code and “TOO BIG” is printed when running
 - `./calc 513 2`
 - `./calc 2 513`
 - `./calc 513 513`
 - `./calc -513 2`
 - `./calc 2 -513`
 - `./calc -513 -513`
- Test valid inputs, making sure an 0 exit code is returned and the correct output is printed
 - `./calc 512 2`
■ 514
 - `./calc 2 512`
■ 514
 - `./calc 512 512`
■ 1024
 - `./calc -512 -512`
■ -1024
 - `./calc 512 -512`
■ 0
 - `./calc 0 0`
■ 0
 - `./calc +10 +10`
■ 20
- Test non integer inputs, ensuring a non 0 exit code and “BAD INPUT” is printed
 - `./calc A 1`
 - `./calc 1 A`
 - `./calc BB BB`
 - `./calc 5.5 3`
 - `./calc 3 5.5`
 - `./calc 5.5 5.5`
- Test when fewer than 2 arguments are provided, ensuring a non 0 exit code and “NOT ENOUGH INPUT” is printed:
 - `./calc 1`
 - `./calc 0`
- The tests will all check that the output has no leading 0s, trailing spaces or 0s and that each line ends in a newline

Problem 2:

- Since I am not the programmer and the spec didn't specify whether more than 2 inputs are supported, I would not write tests to check what the program does when presented with more than 2 inputs since so many implementations were written by so many different programmers, some might have written their calculators with more than 2 inputs in mind whereas others might have written with only 2 in mind, and therefore I can't assume either implementation is right or wrong so I won't test for it.