

# 3 Ways to Test

- Assertions
  - `assert value == what_it_should_be : "msg";`
  - don't forget to enable at run time (`java-algs4 -ea`)
- Exceptions
  - `if (value != what_it_should_be) throw new RuntimeException("msg");`
  - easier; can't forget to enable them
- Print statement
  - `StdOut.println(value);`
  - more informative is better
  - `StdOut.println("value: " + value + " (=? " + what_it_should_be + ")");`