

Example: Quicksort

Problems:

- What if lo or hi is negative?
- What if $hi < lo$?
- What if the size of the list is 0?

Verification in the Real World

- Average iPhone app - 10K LOC
- F-35 Fighter Jet - 25M LOC
- Windows - 40M LOC
- Facebook - 61M LOC
- Mac OS X - 80M LOC
- Car Software - 100M LOC