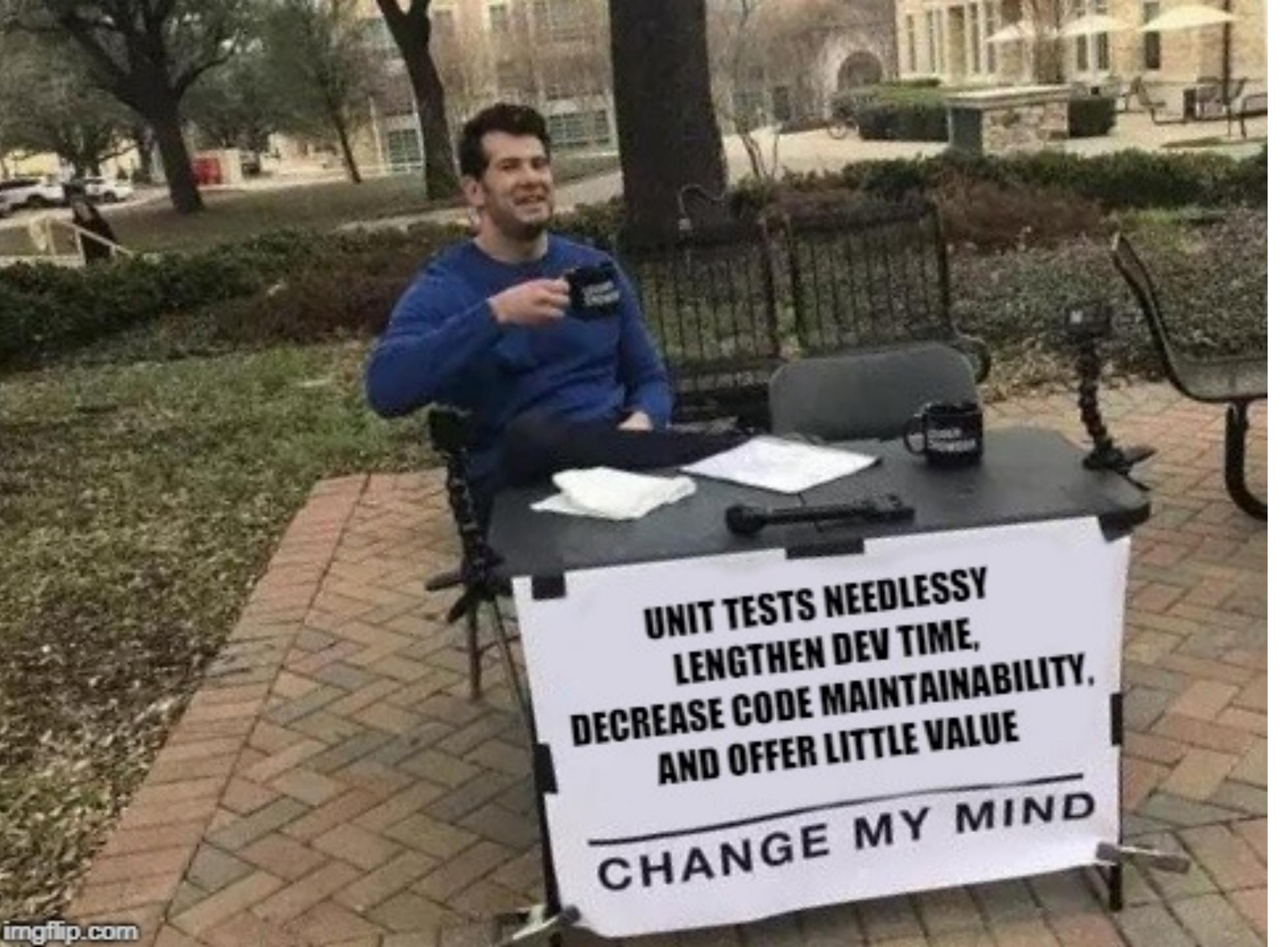
Fast, Robust, Accurate (WIP)

Or how to love your tests again



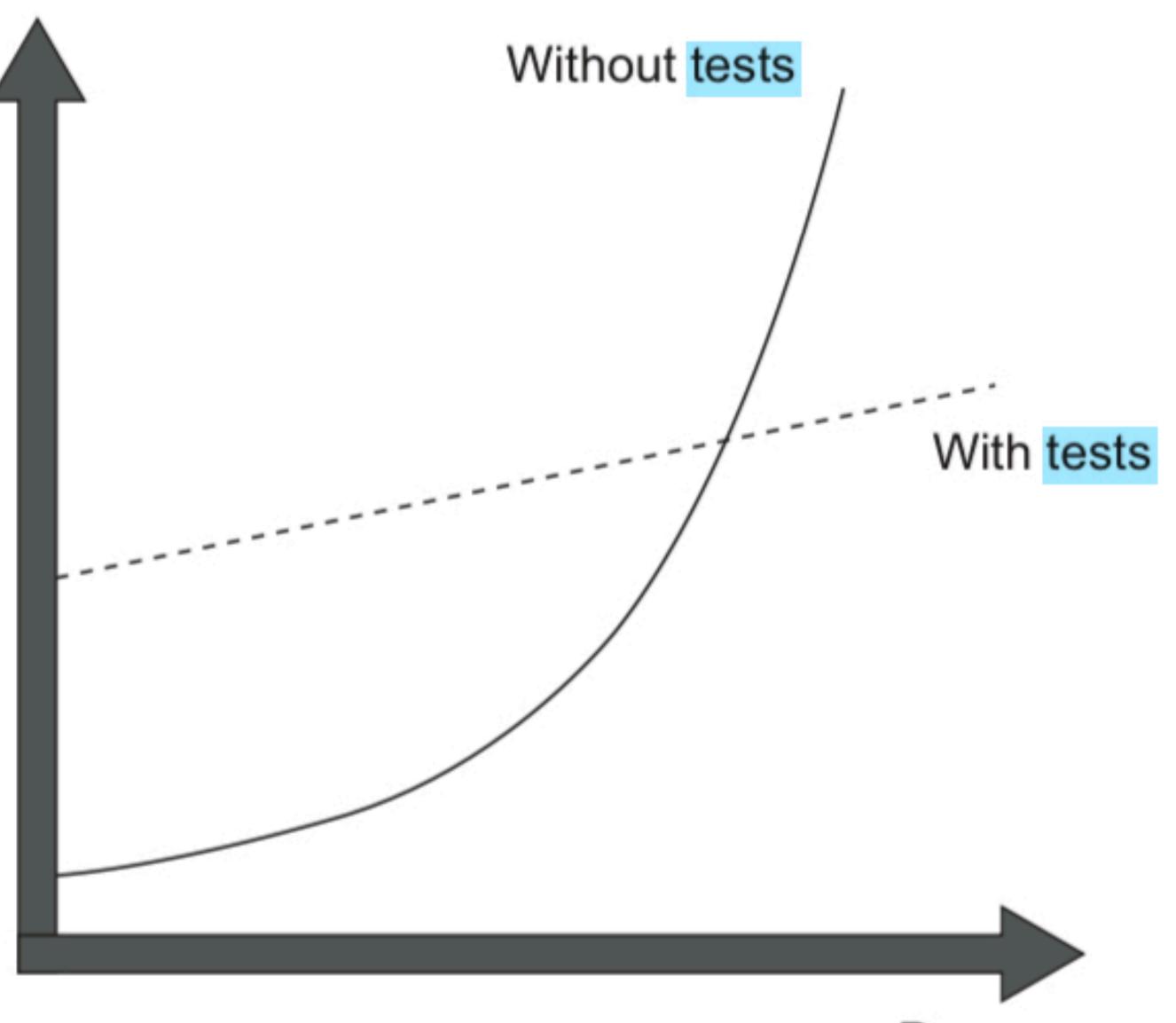
This is not a talk about opinions

1 - We progress faster with test

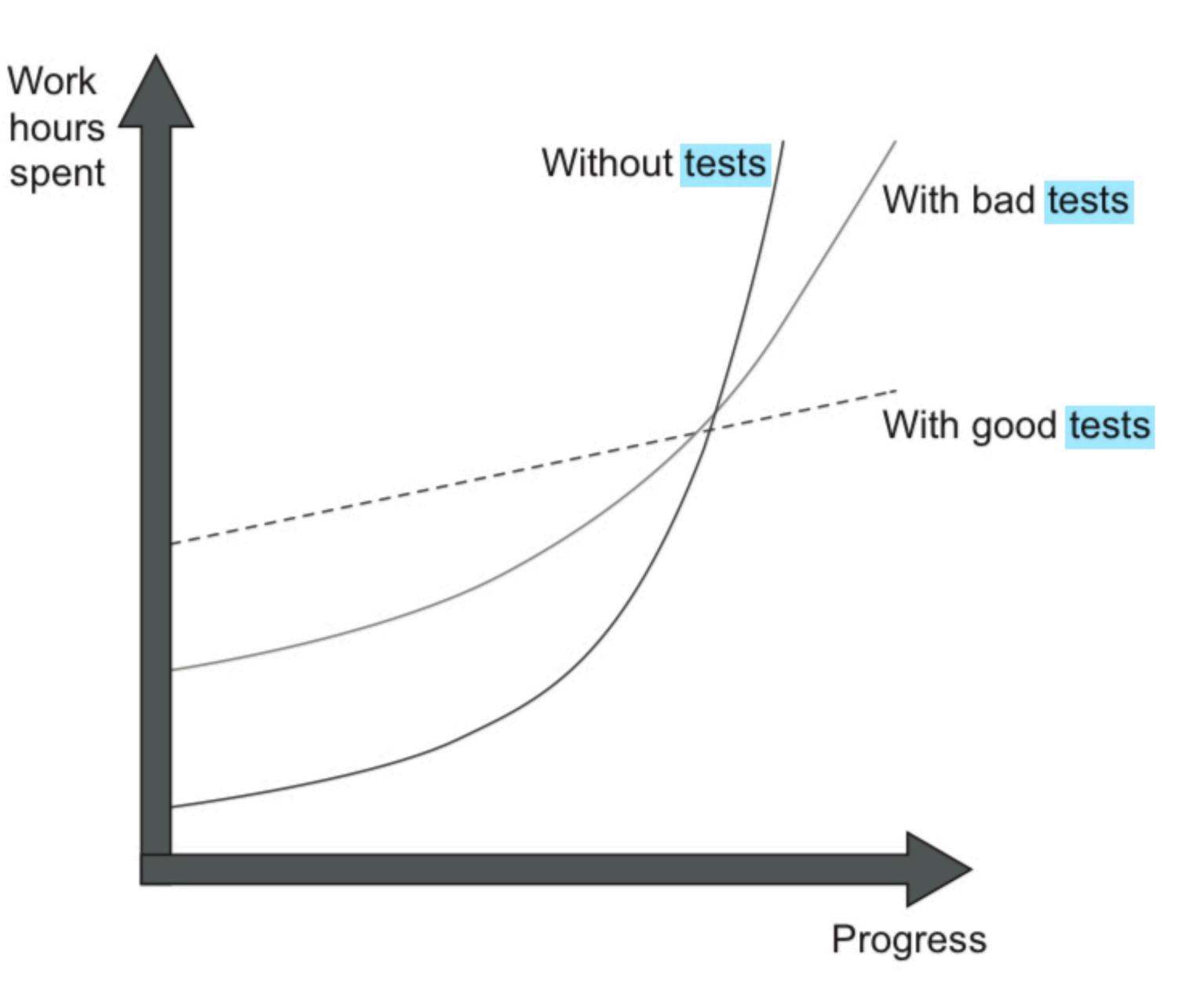
Work

hours

spent

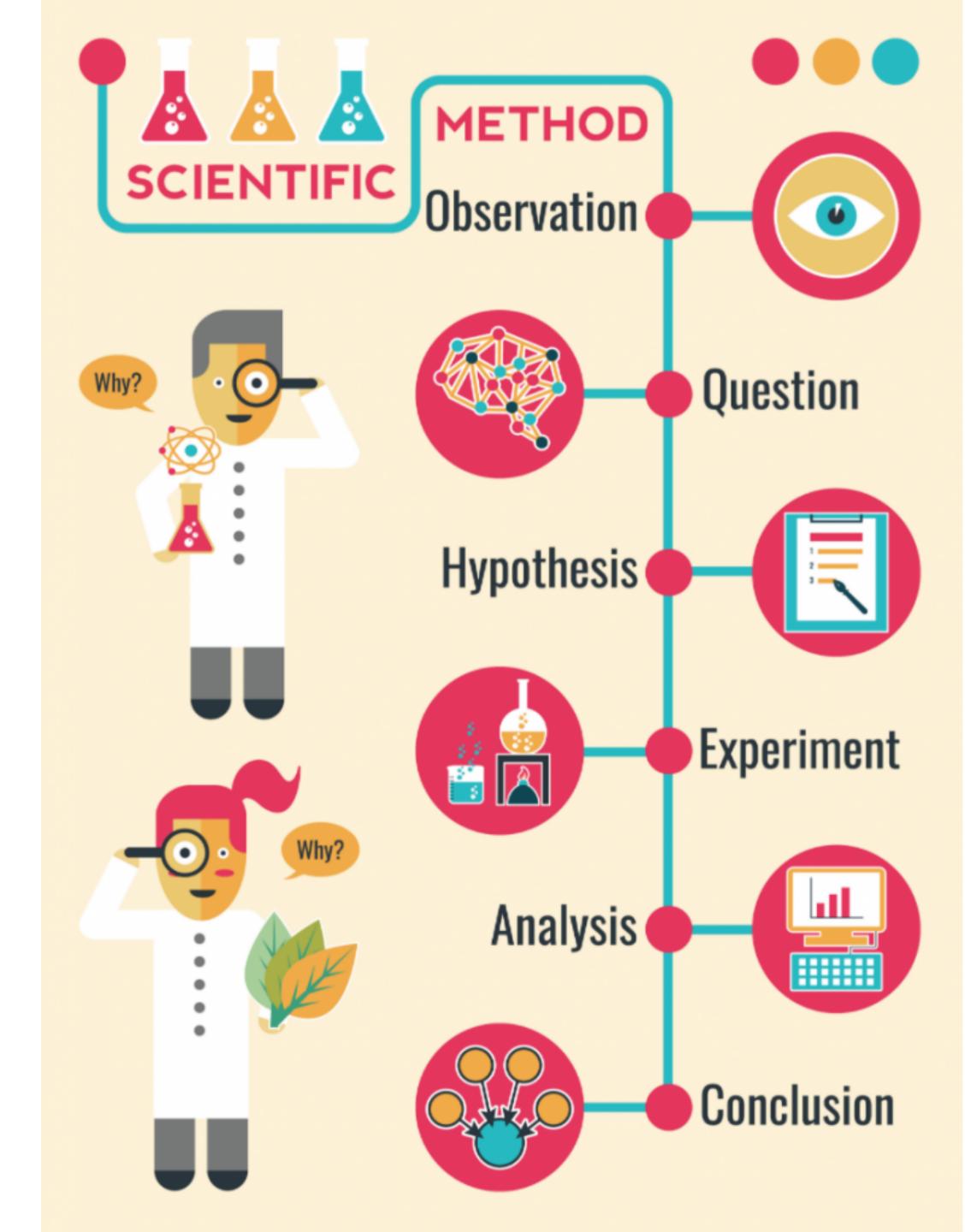


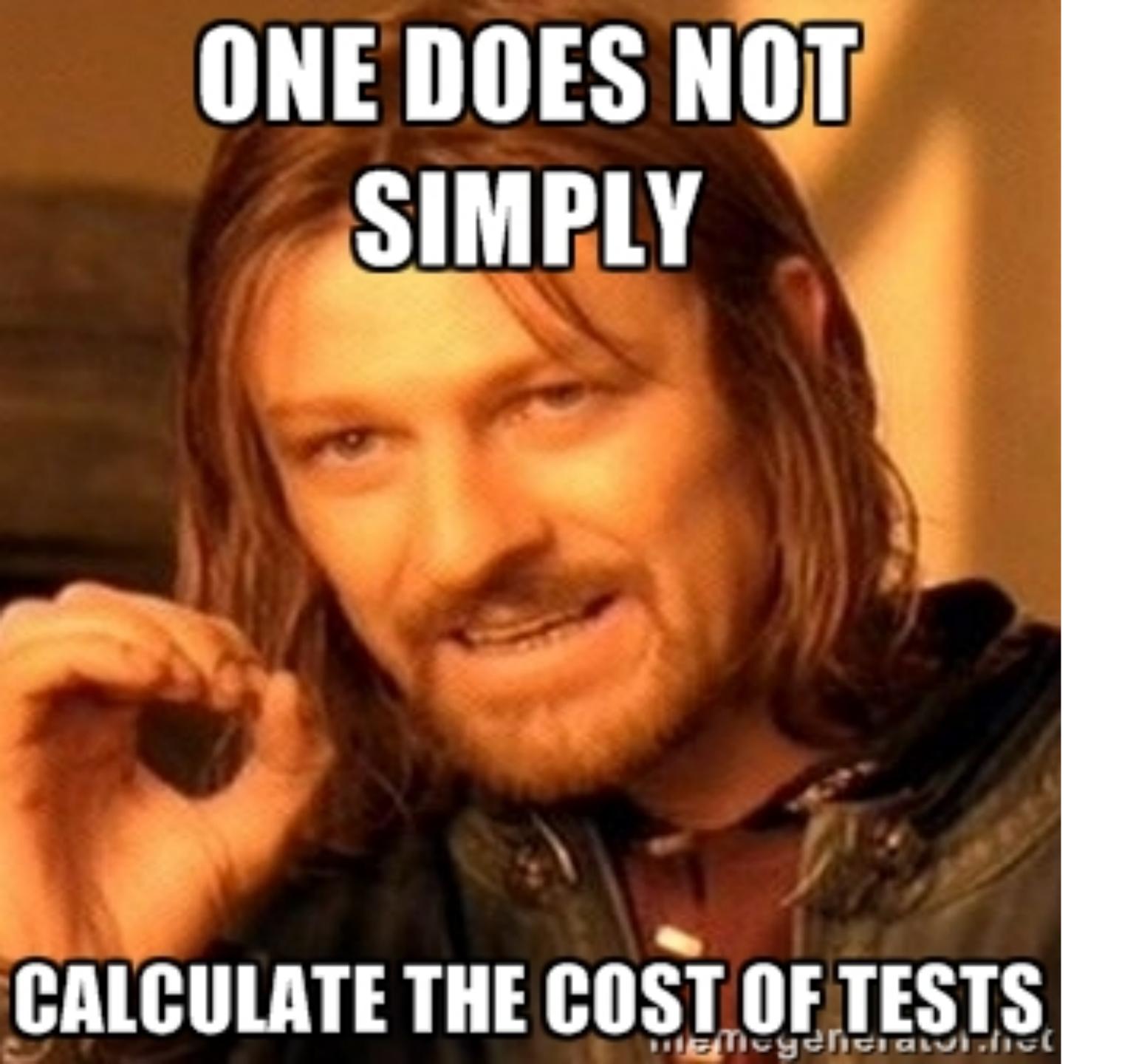
2 - Bad tests could be worst than no tests

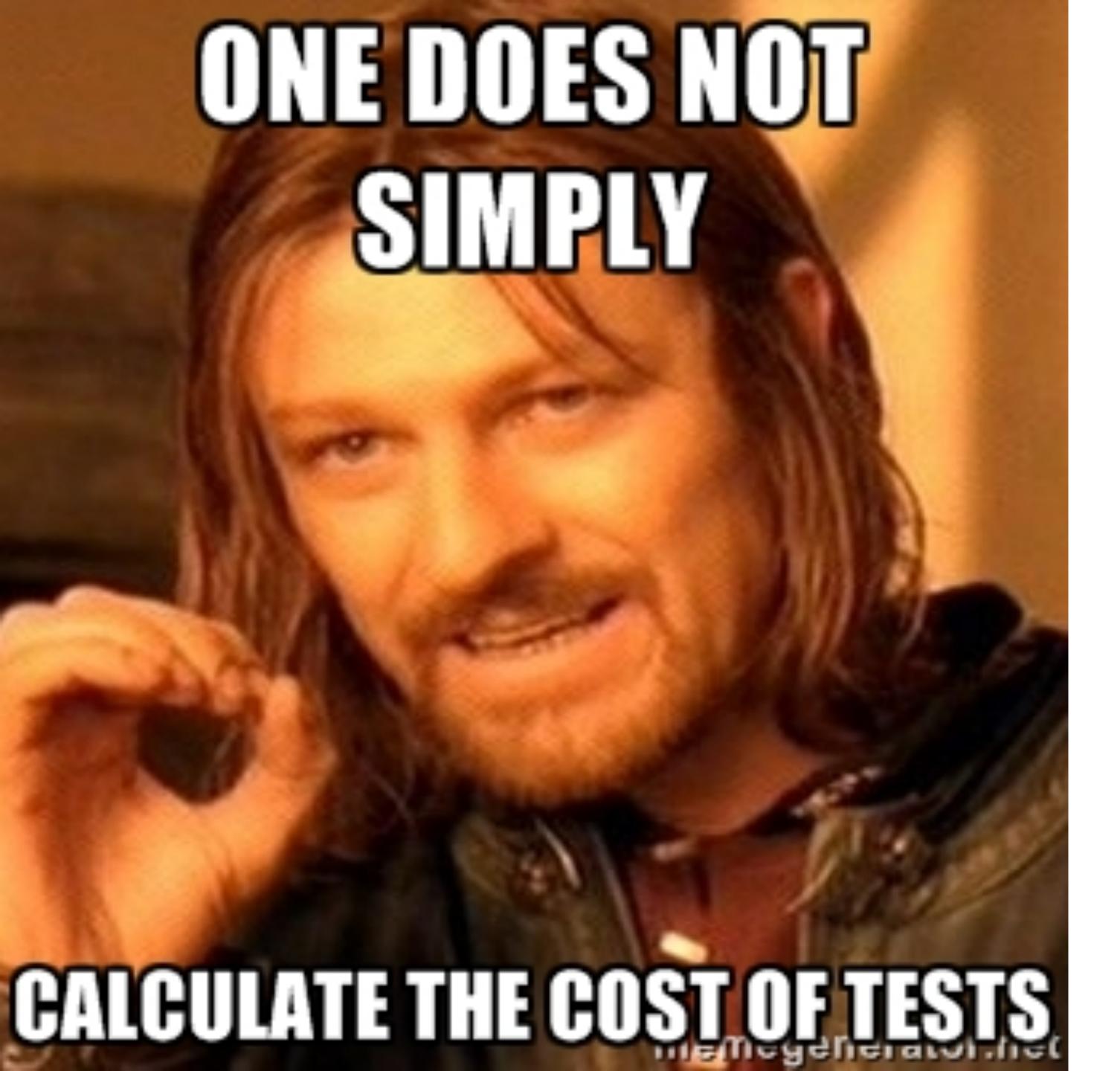


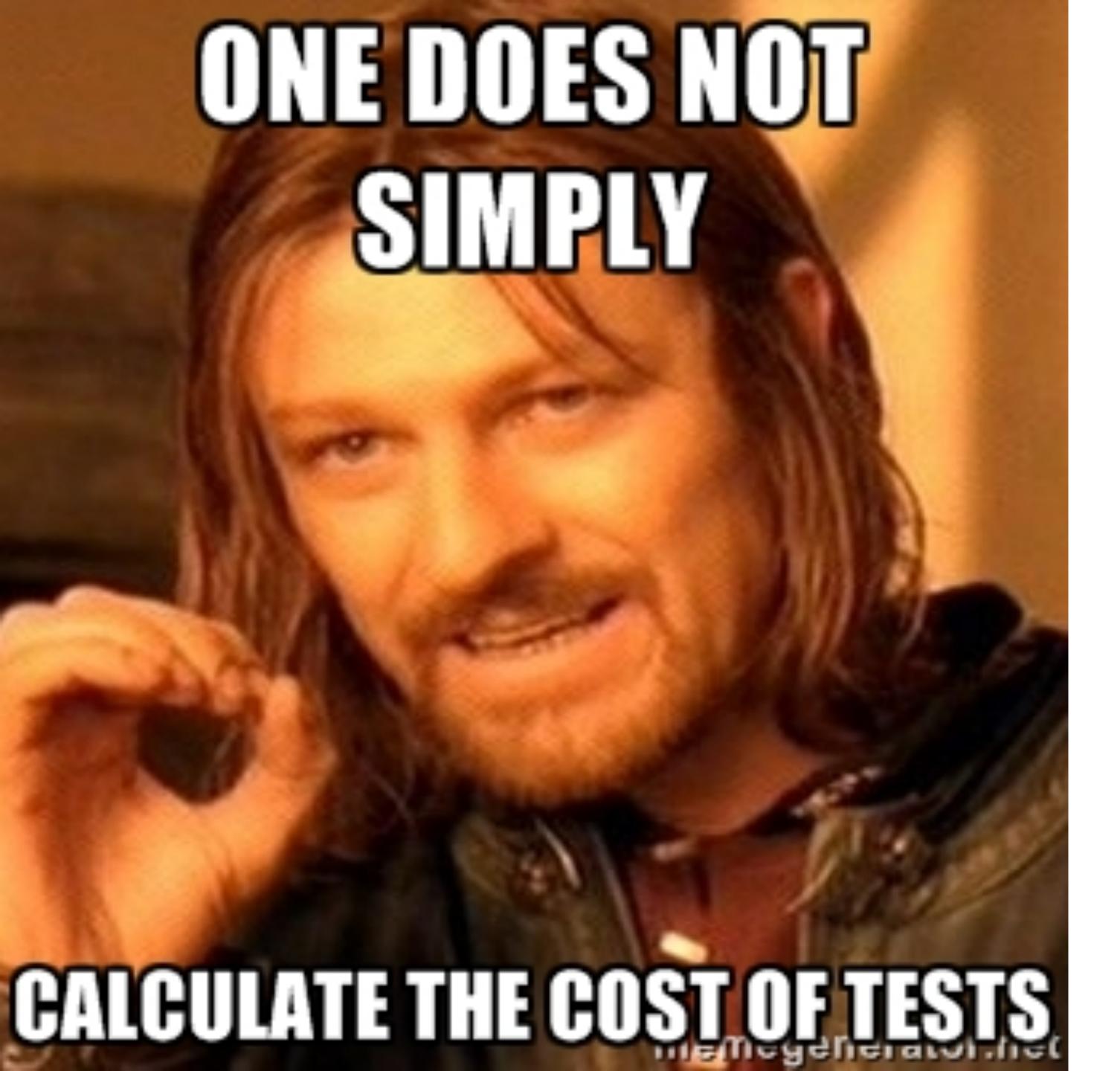


So, what is a bad test from an empirical point of view?

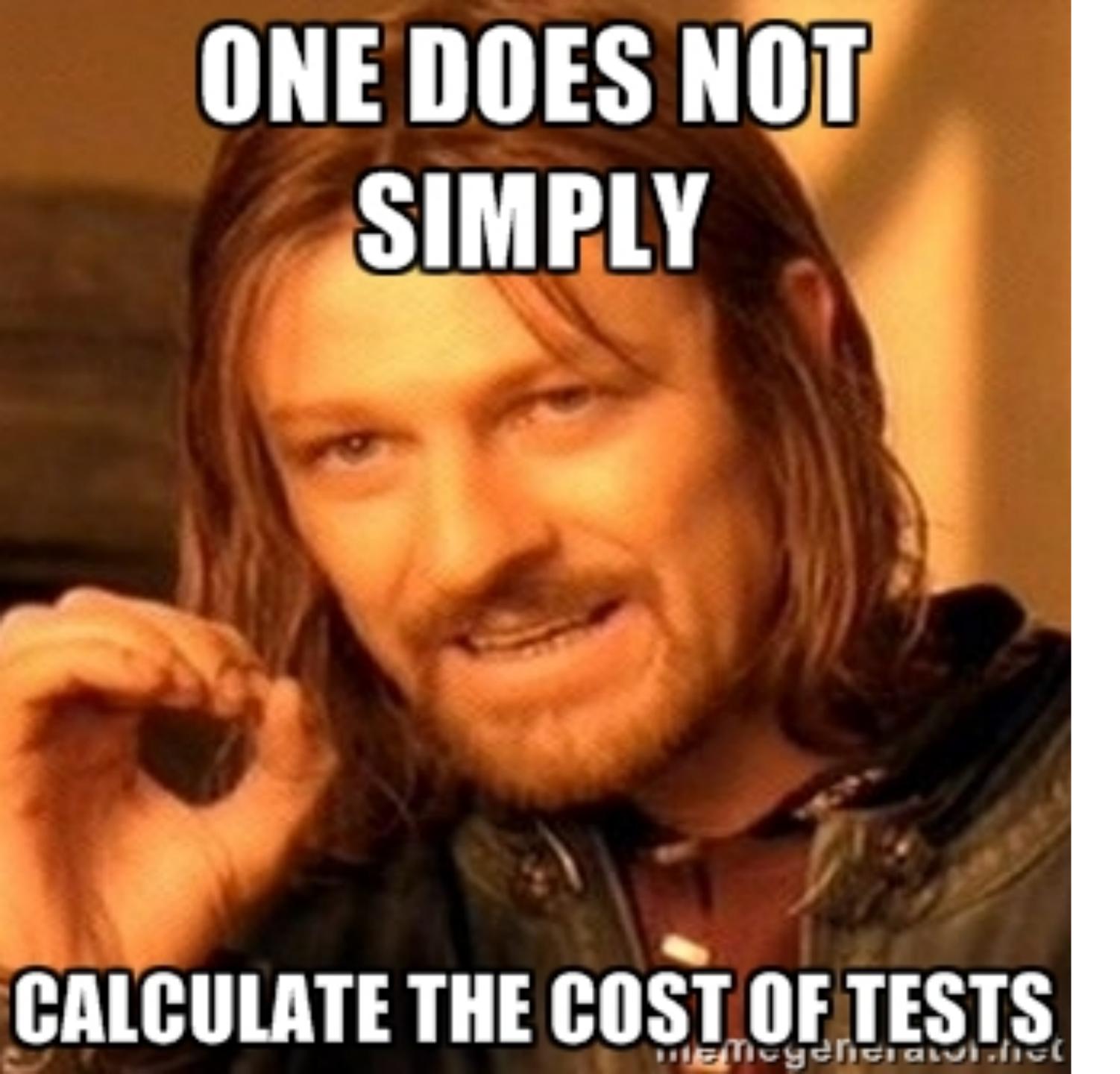






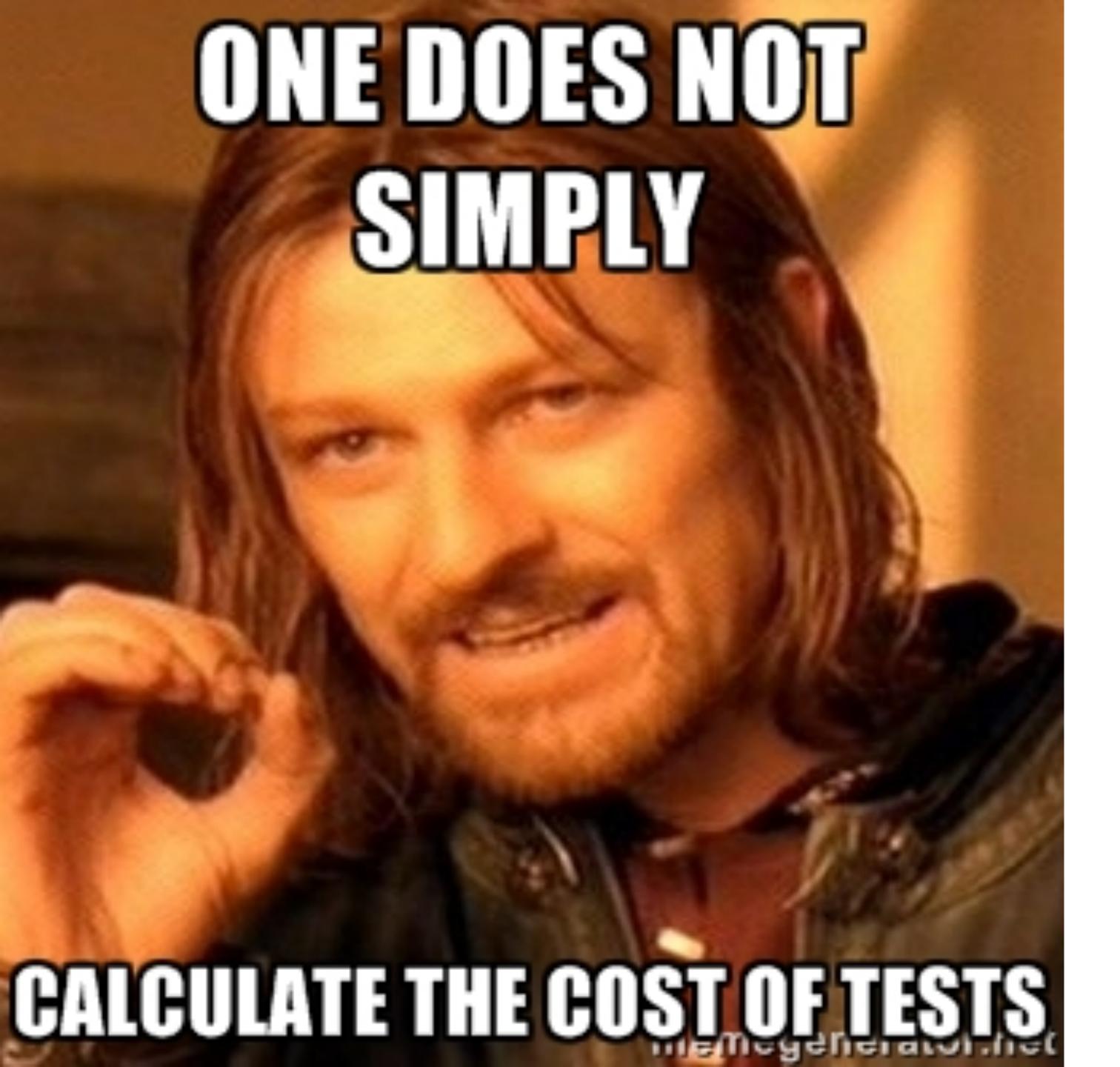


False alarms



False alarms

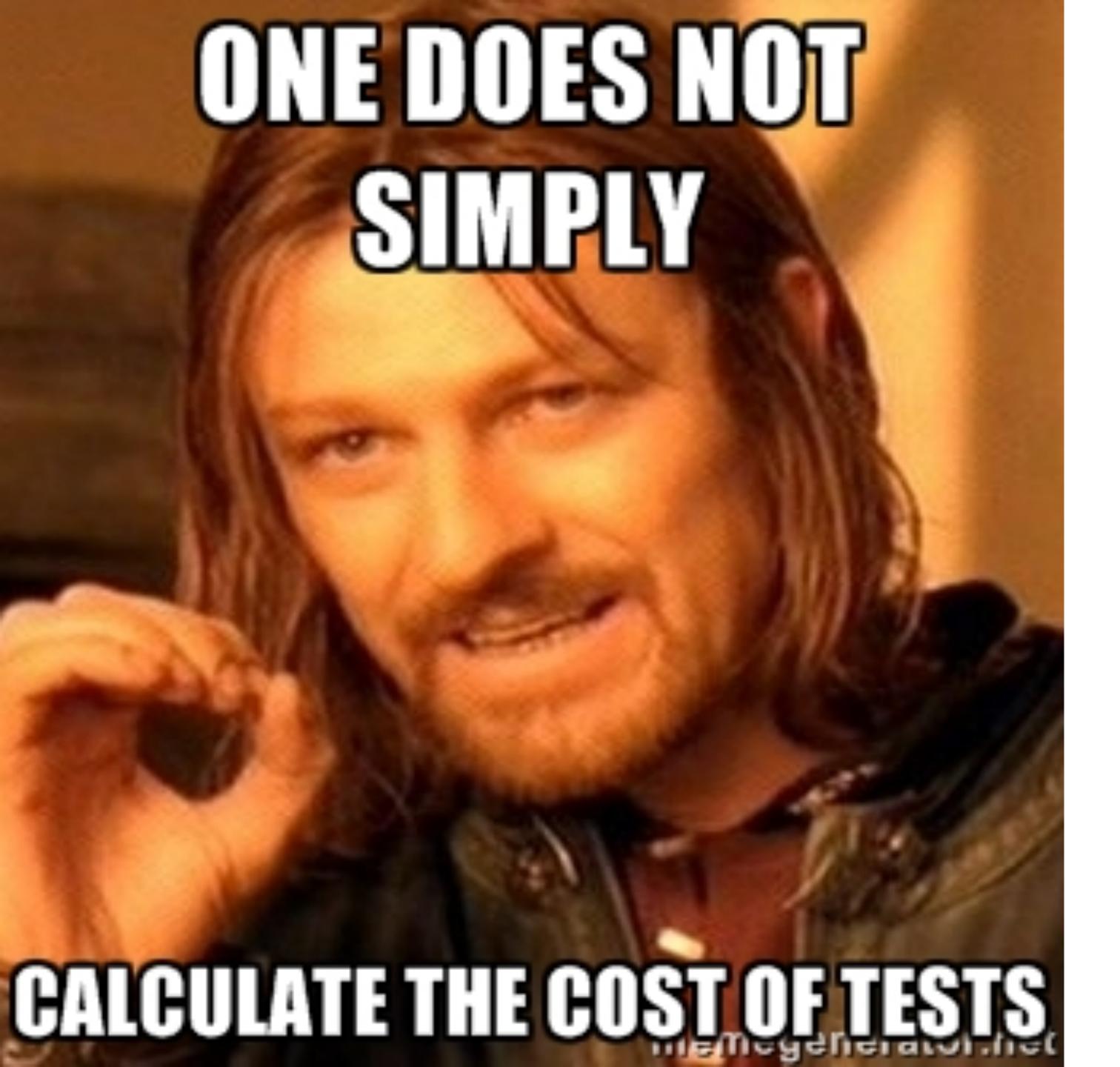
Difficult to read tests



False alarms

Difficult to read tests

Brittle tests



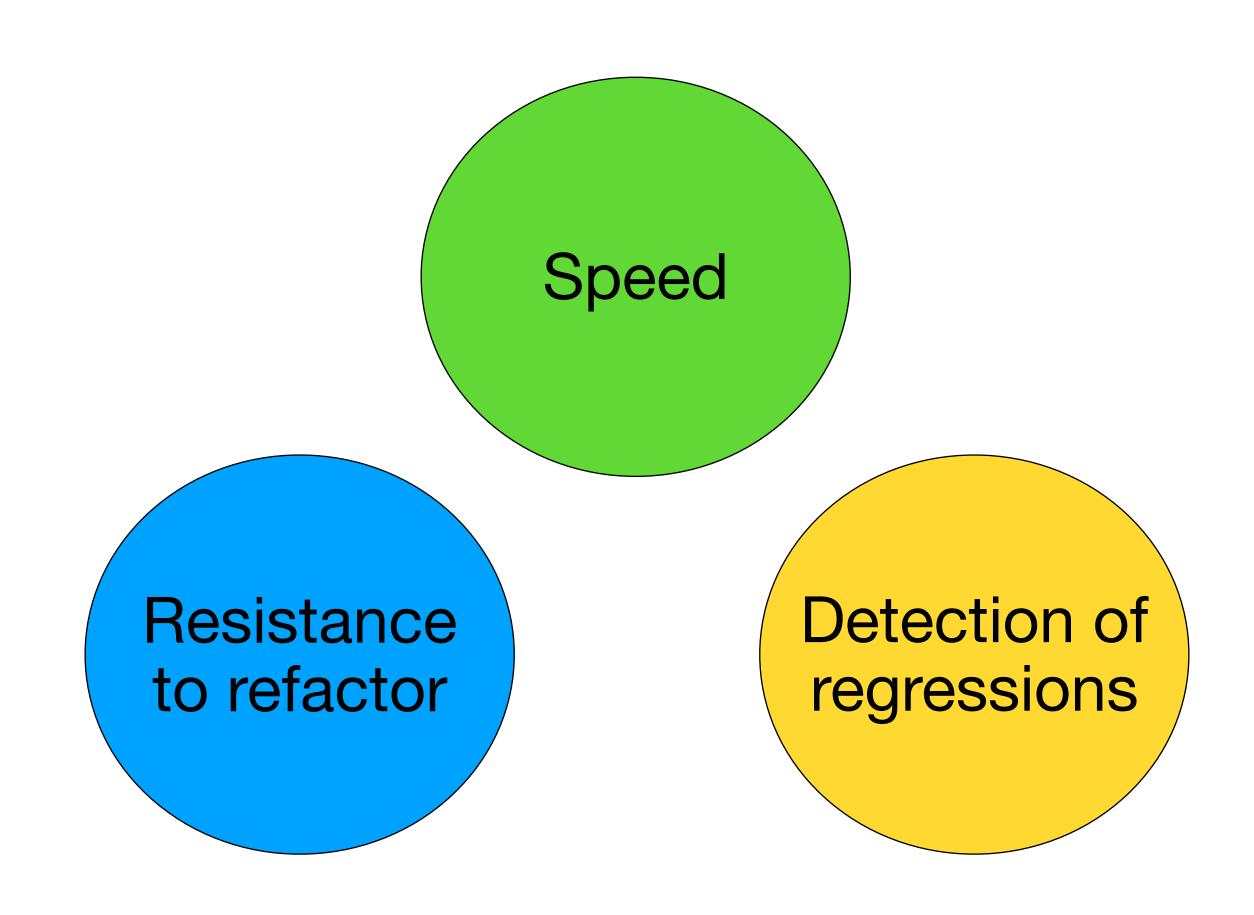
False alarms

Difficult to read tests

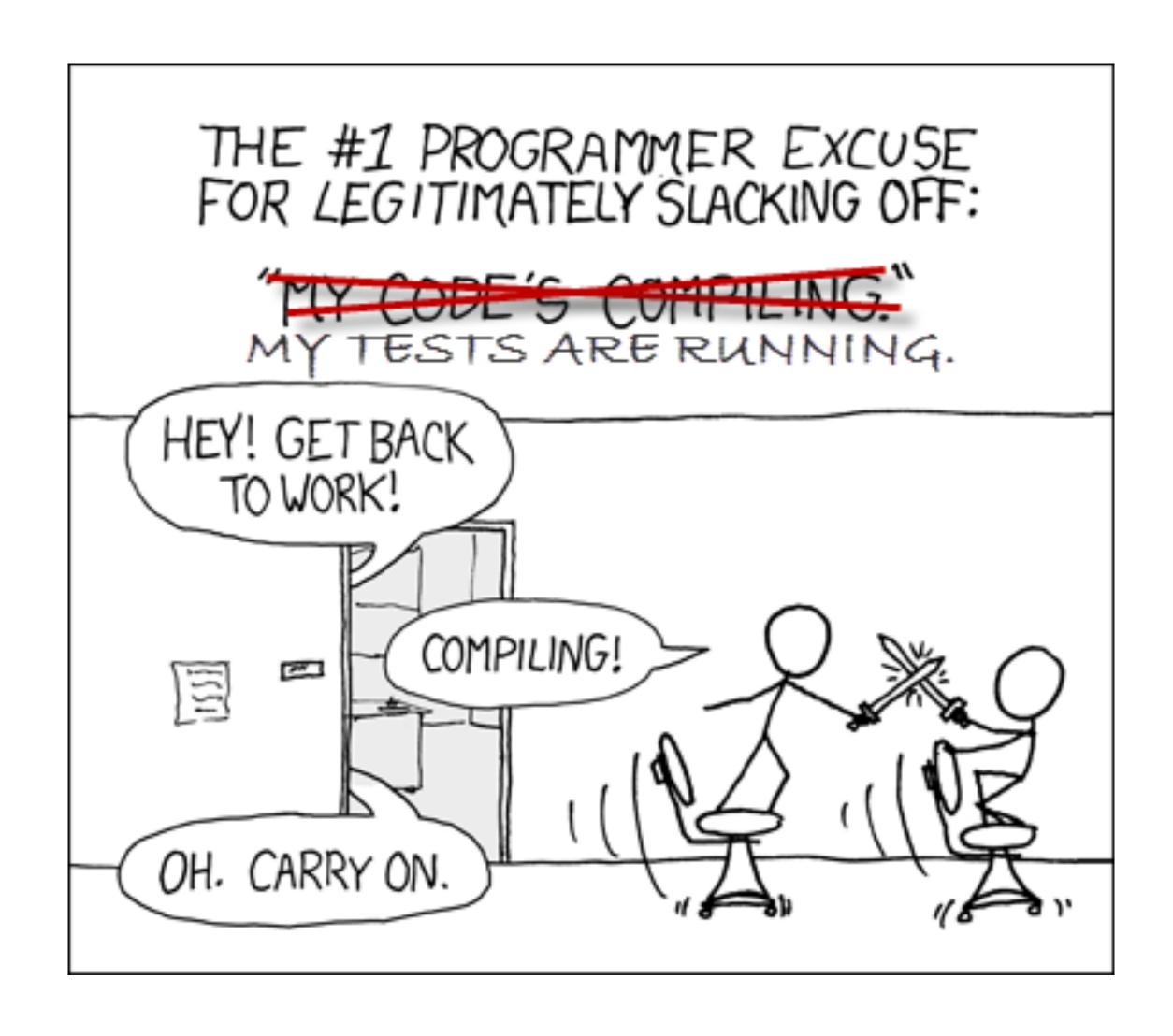
Brittle tests

What else?

3 properties



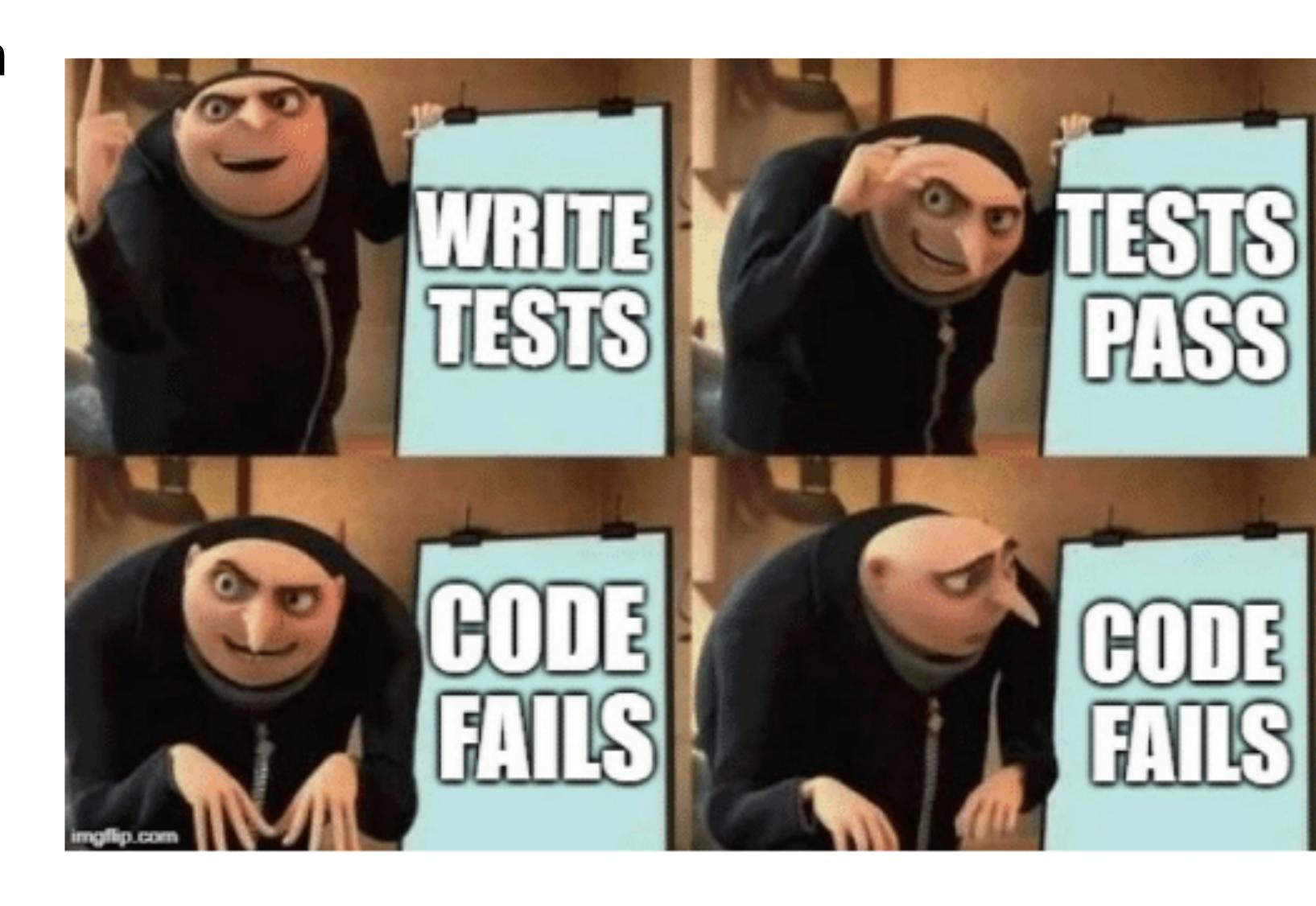
Speed

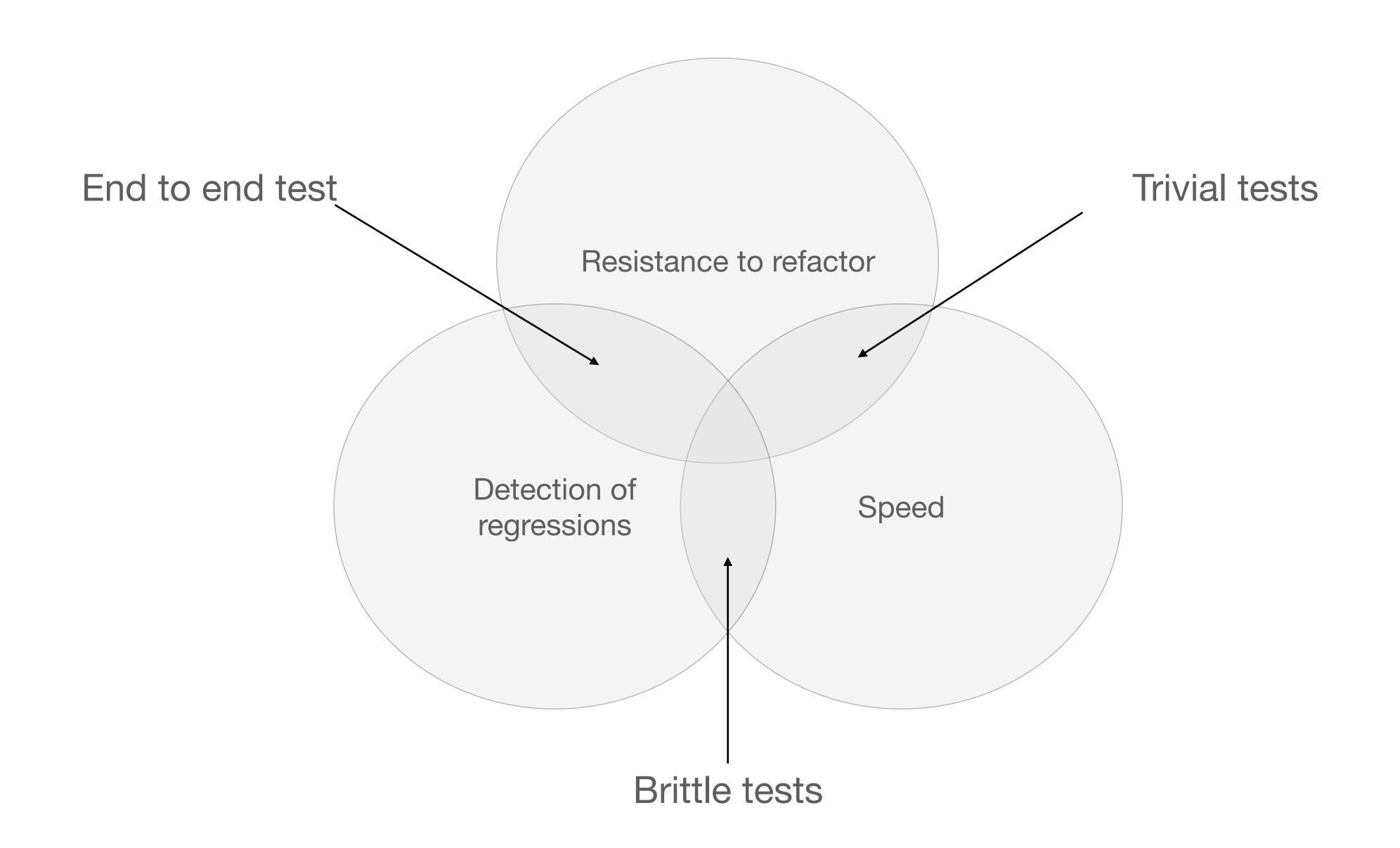




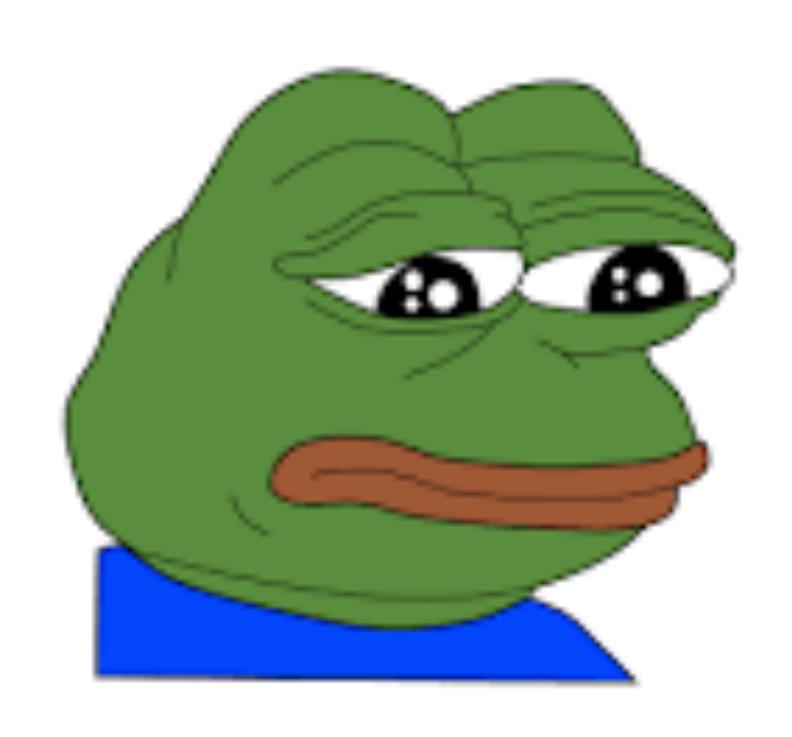
Resistance to refactor

Detection of regression

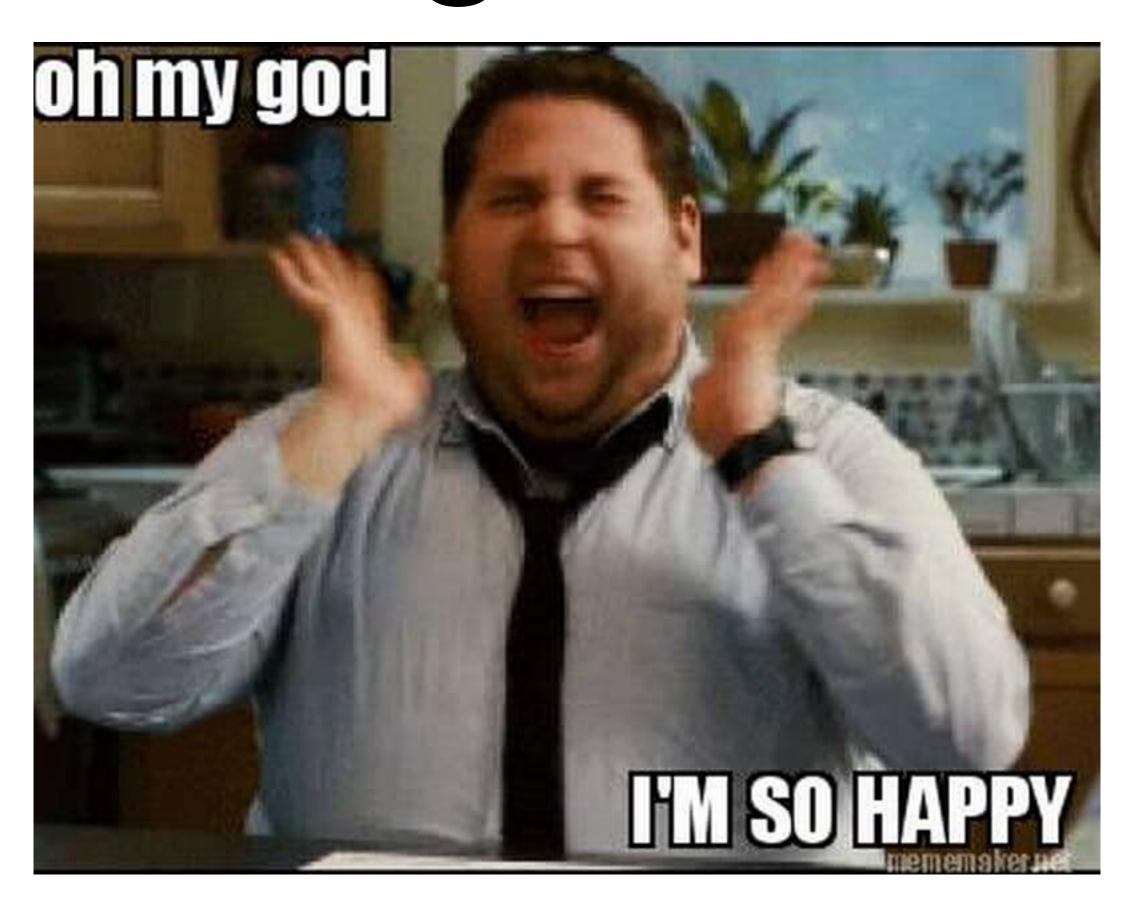




Oh boy my tests are really bad...

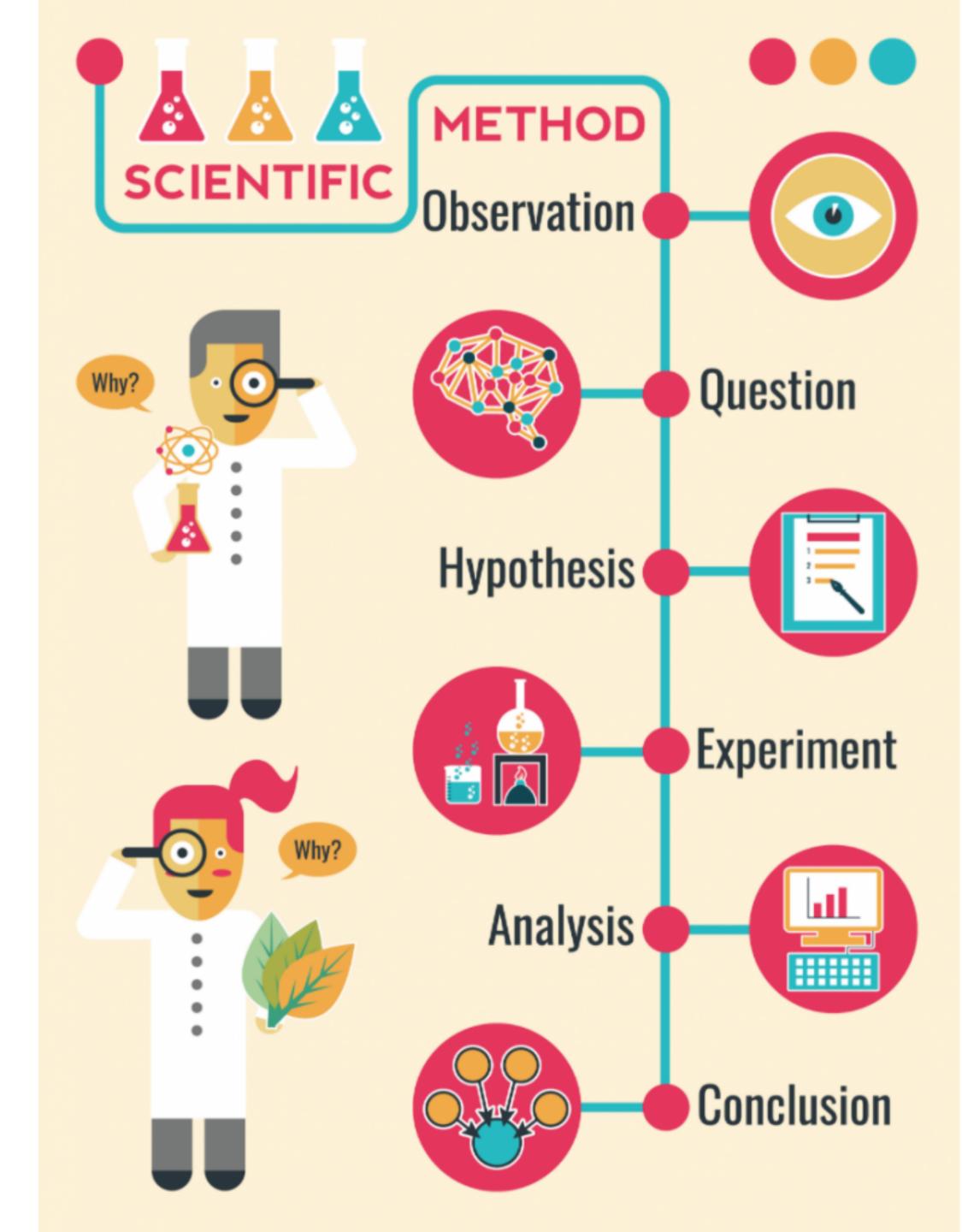


I am so happy that my tests are so good...

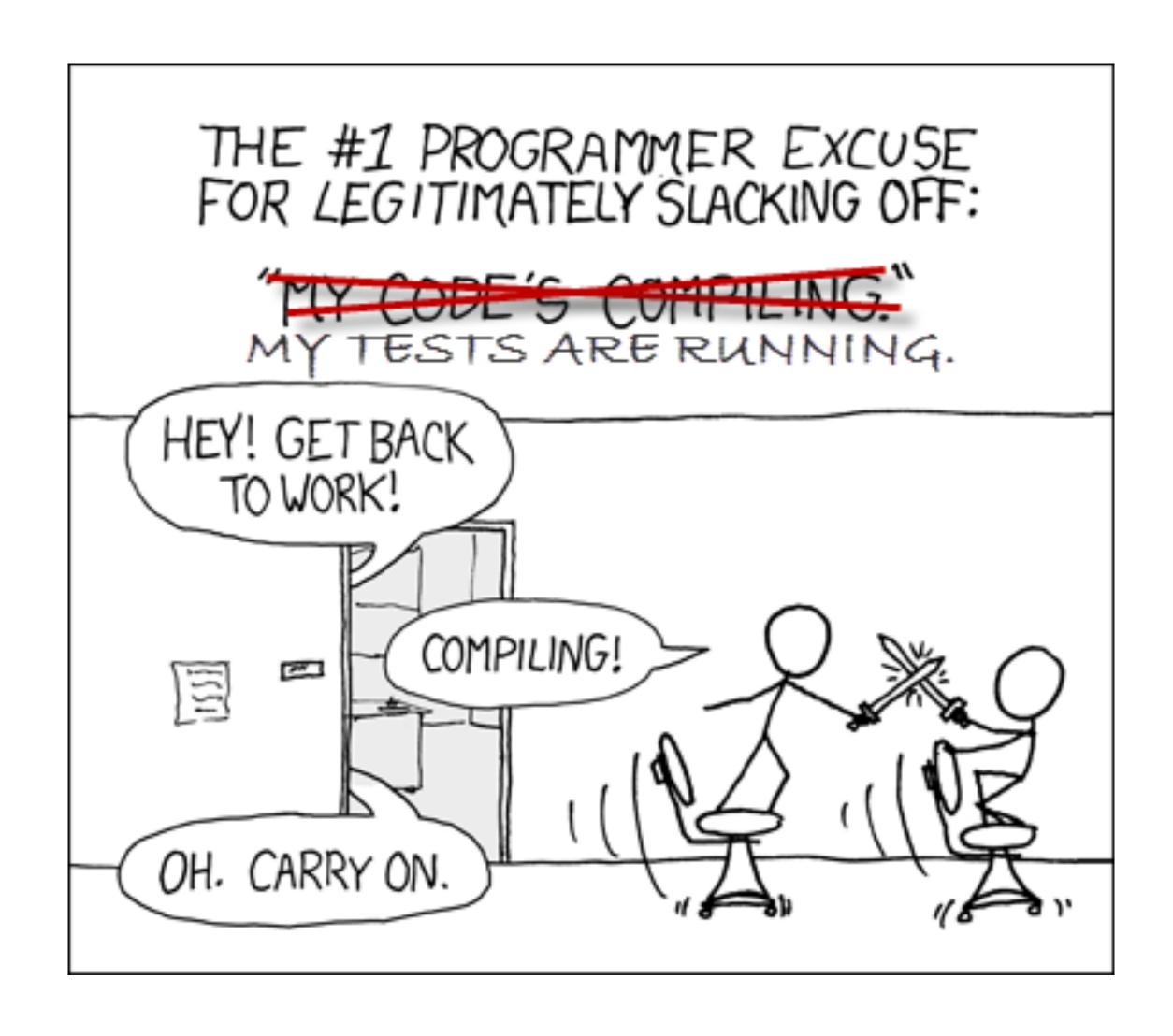




Lets get some data



Speed



DEMO



Resistance to refactor



imgflip.com

	nv	es	tig	at	or
-					

Date:
Case #:

Location:

ance to refactor

Your Code as a Crime Scene

Use Forensic Techniques to Arrest Defects, Bottlenecks, and Bad Design in Your Programs

```
Adam Tornhill

Adam Tornhill

Michael Feathers, author of Working Effectively with Legacy Code

(I) i (MAX_RES)

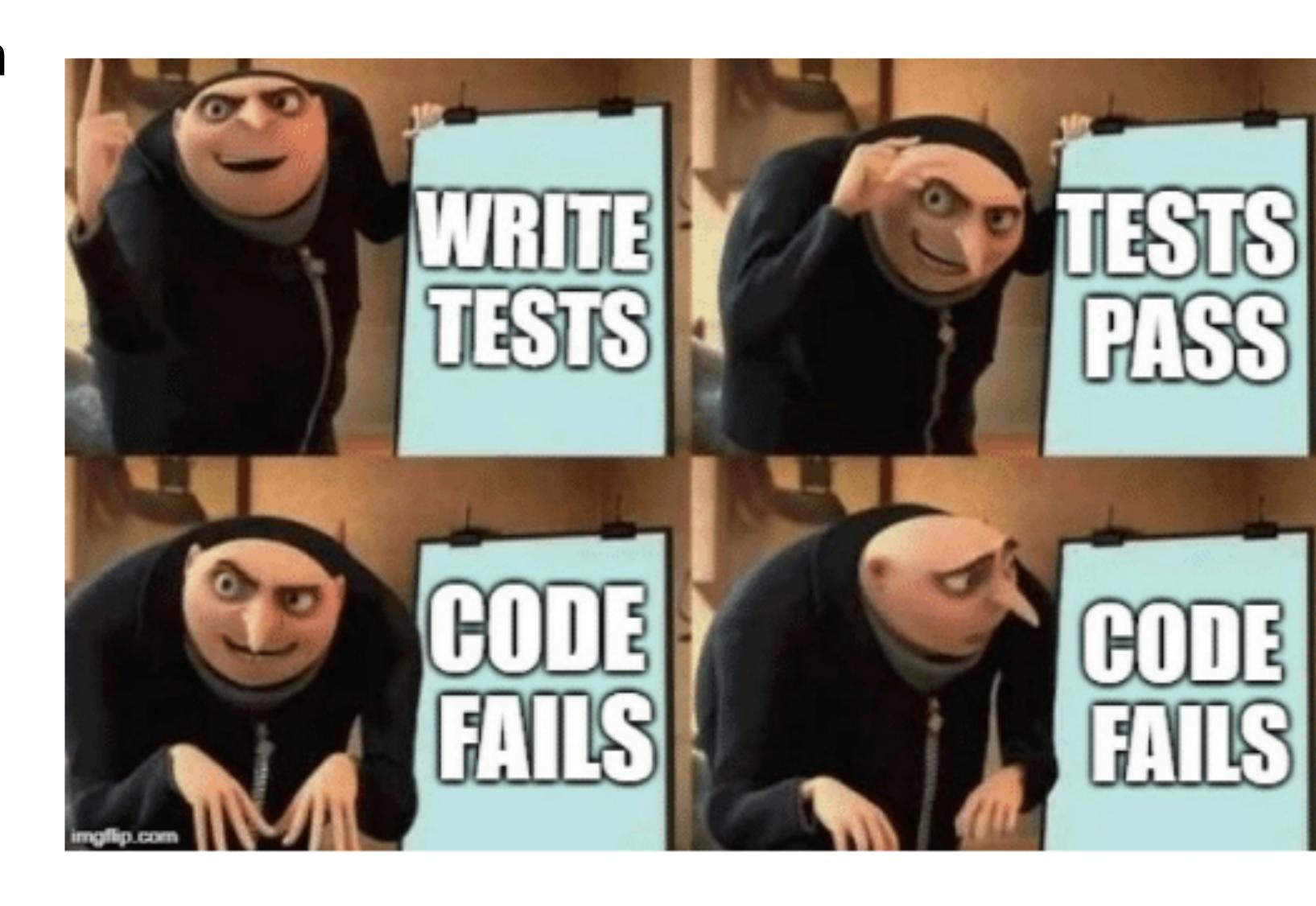
i = 0;

length) {

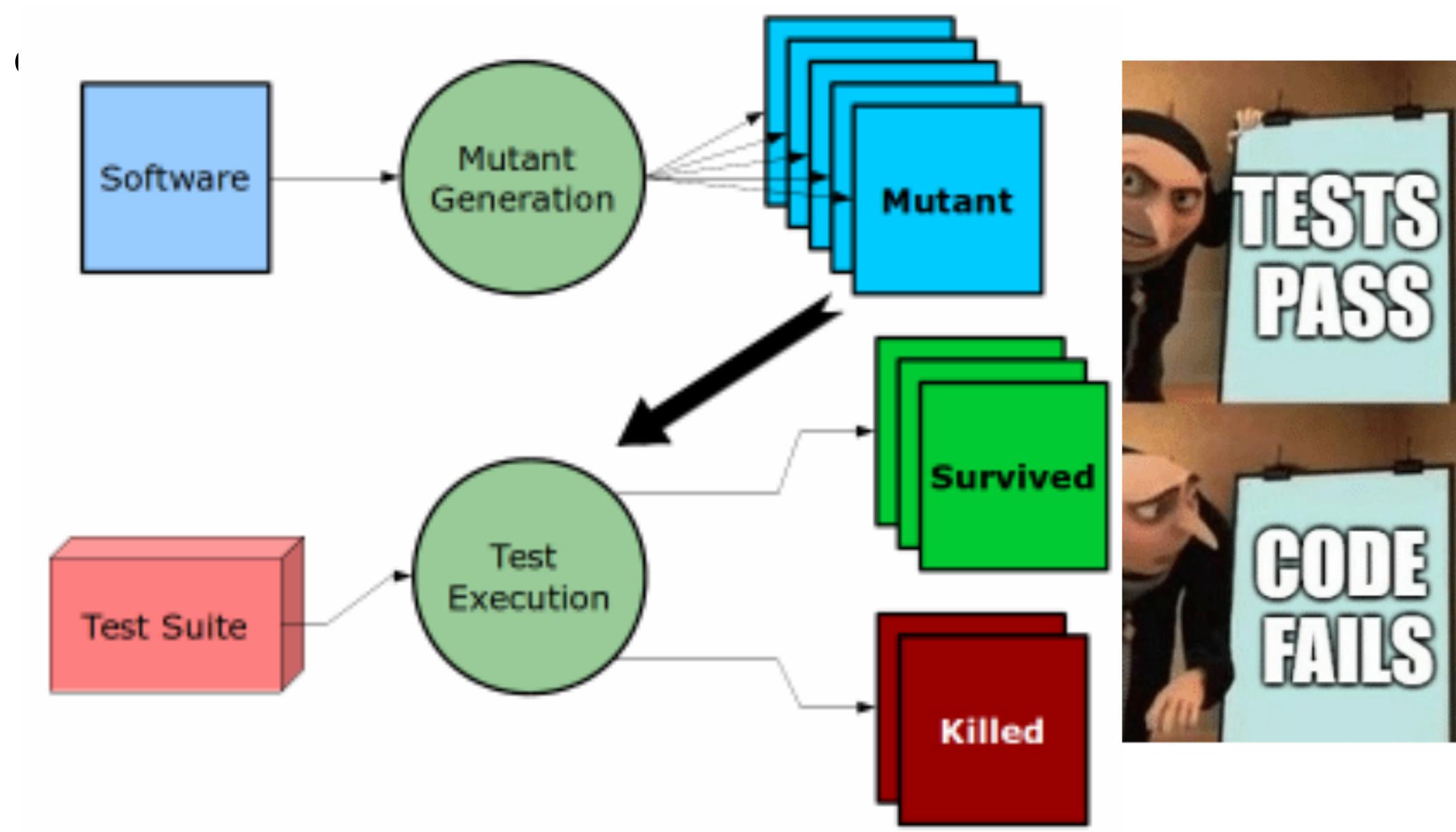
buf[] oc edited by Fahmida Y. Rashid
```

DEMO

Detection of regression



Detection



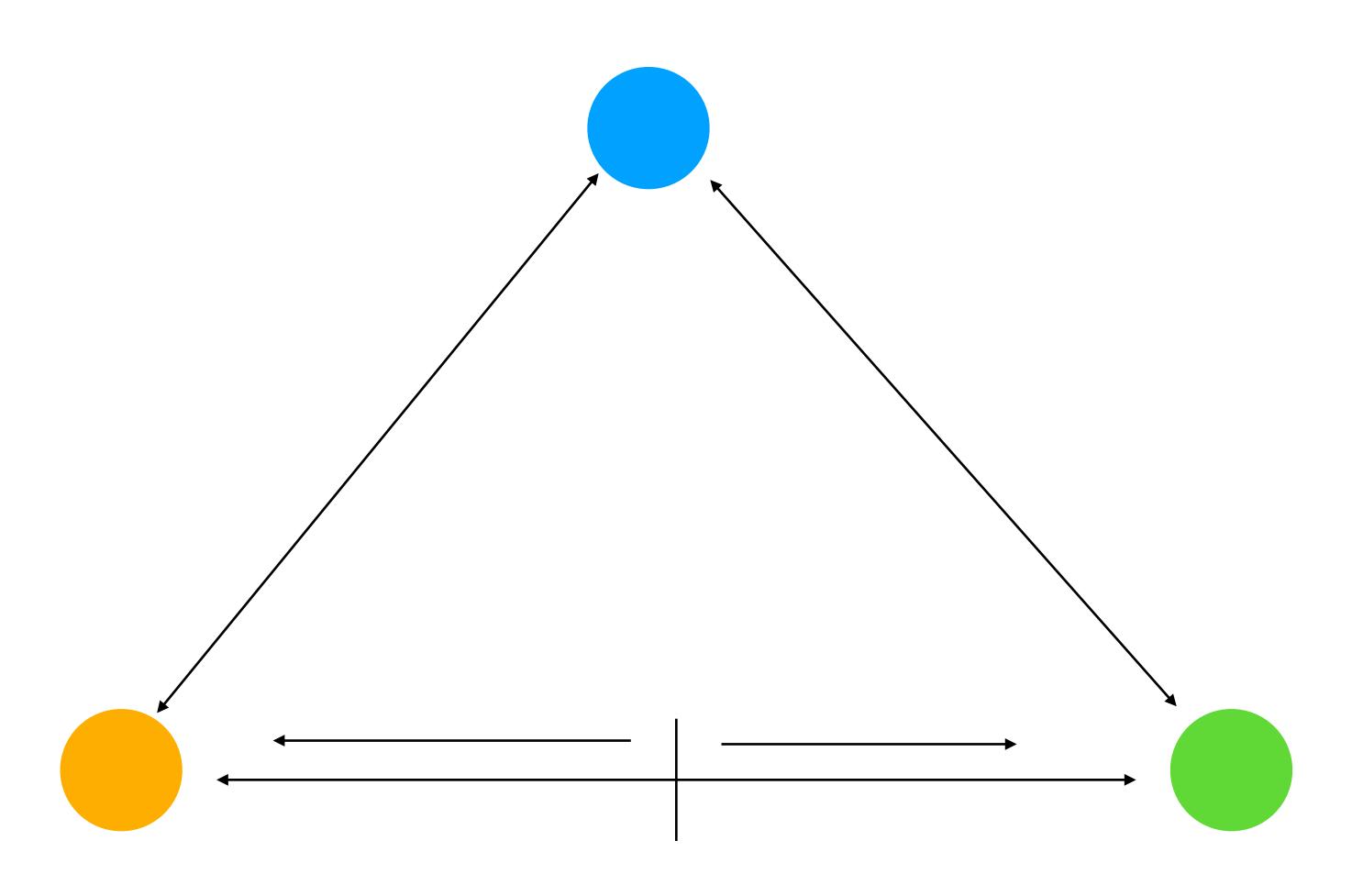
DEMO

I need to start using this right now

How am using this data?

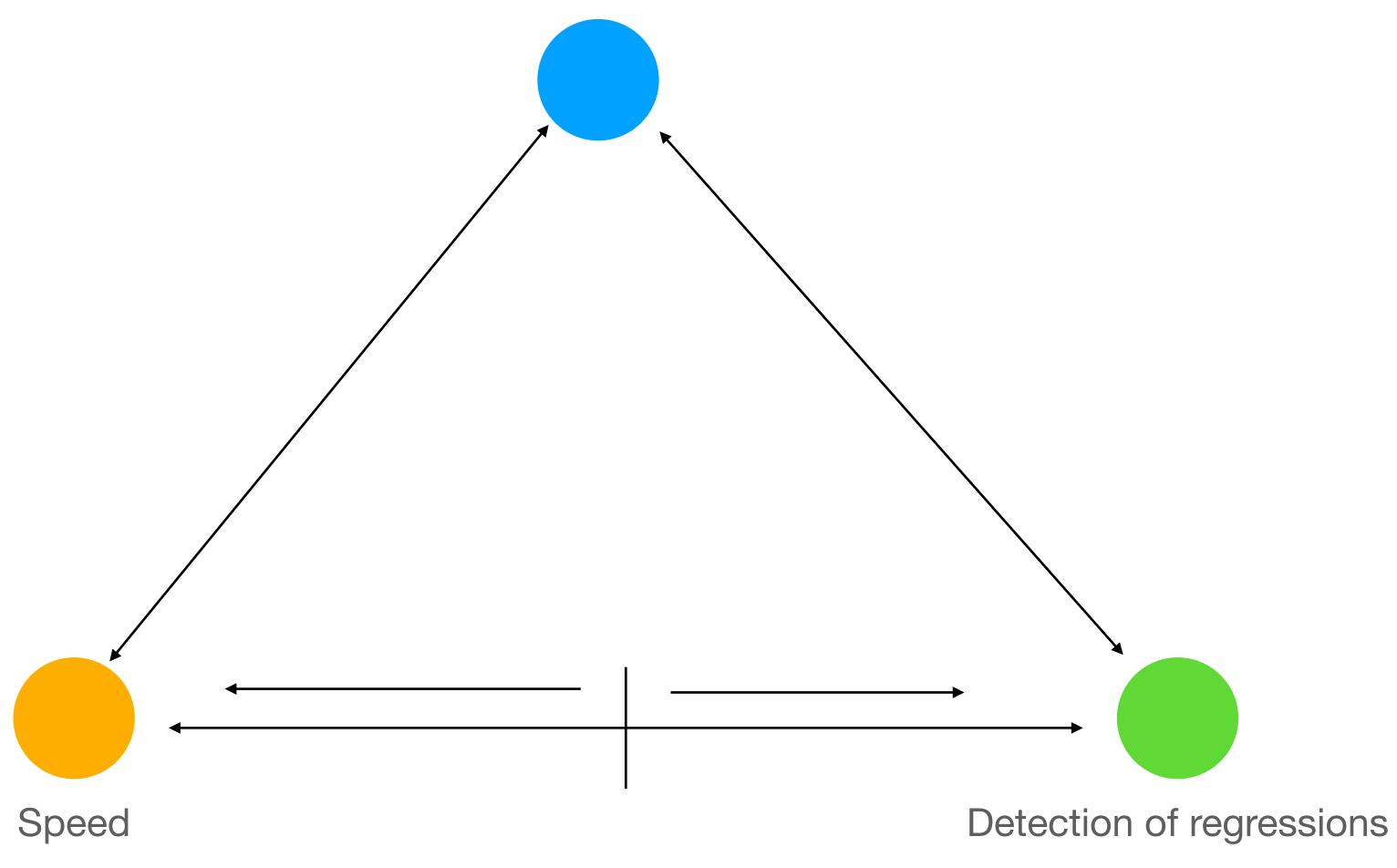
To decide how to test something

Tune it!

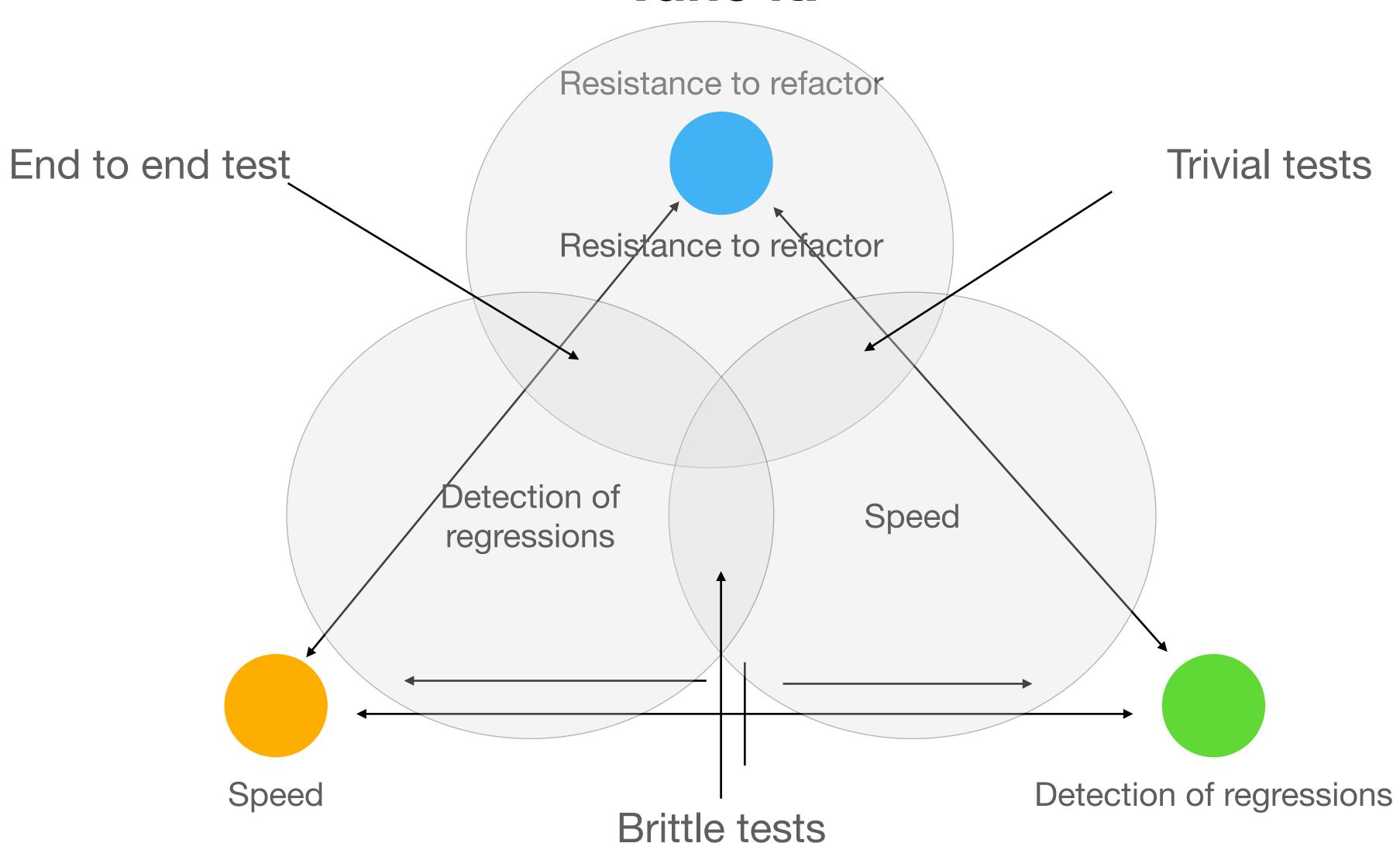


Tune it!

Resistance to refactor



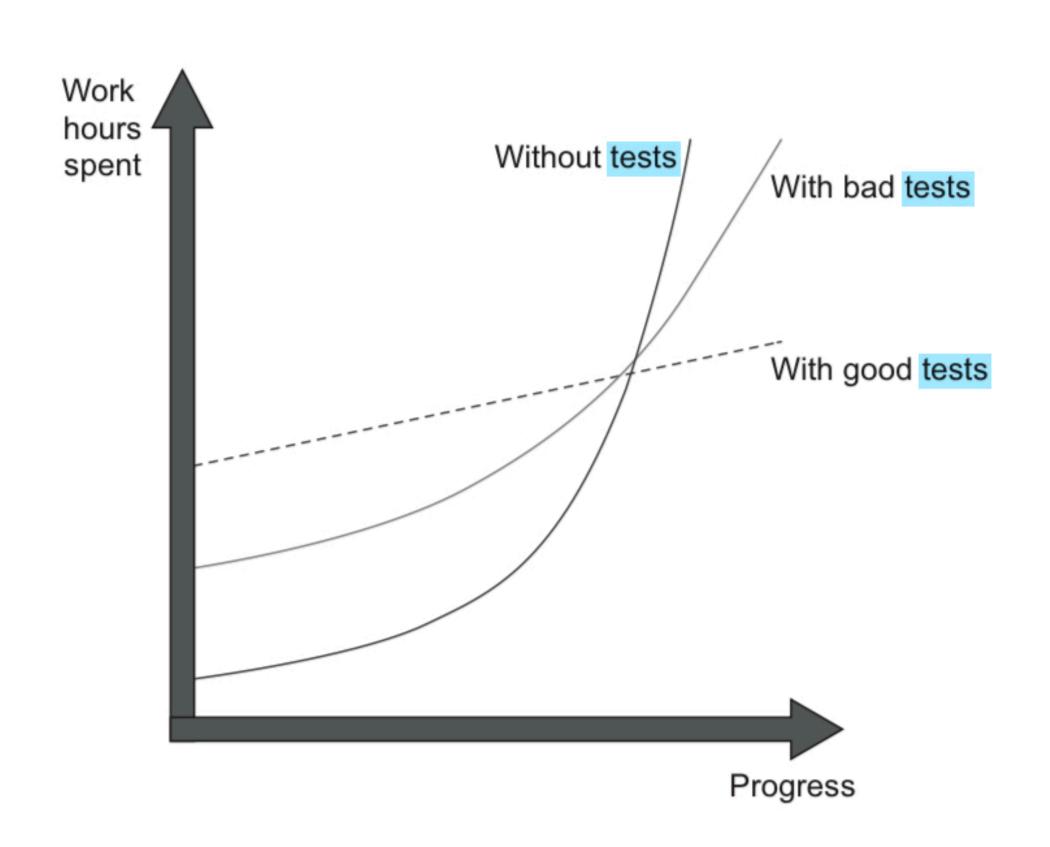
Tune it!

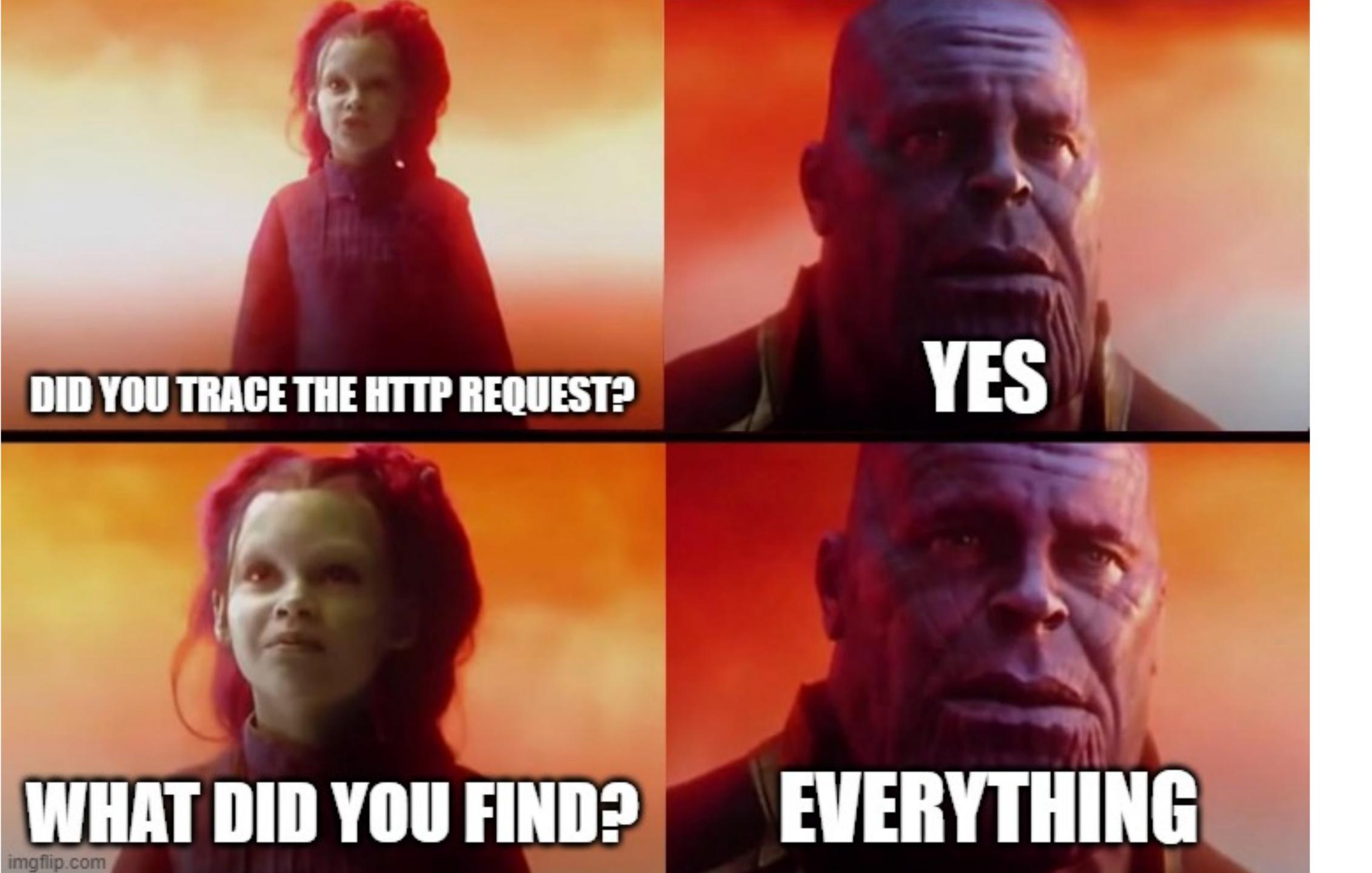


To decide if write a test is worthy or not



No test is better than a bad test but, then we need something else





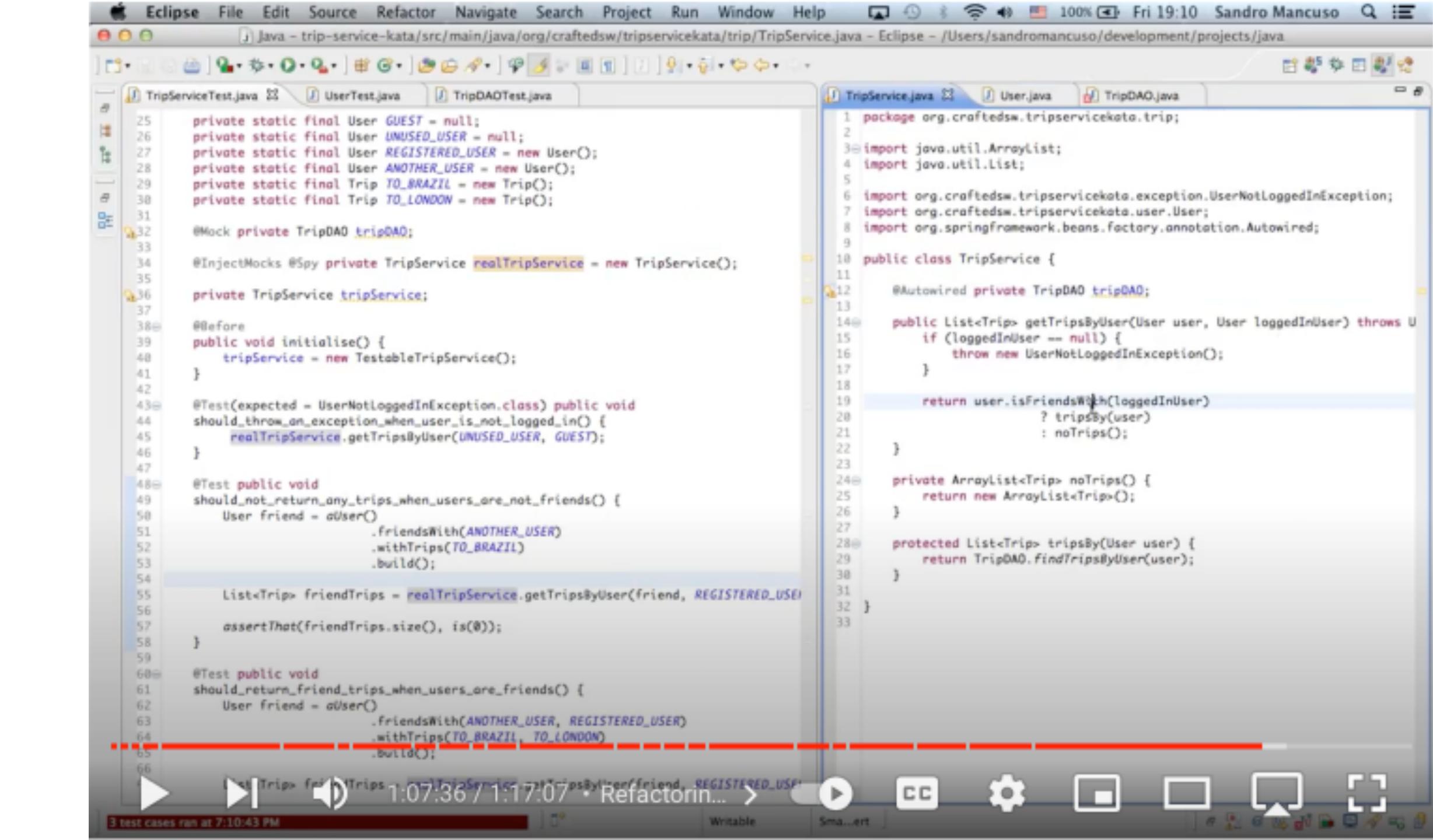
@xuapsdev
@xuaps@fosstodon.org



Do you want an extra ball?

Maintainability

Extra ball



@xuapsdev
@xuaps@fosstodon.org

