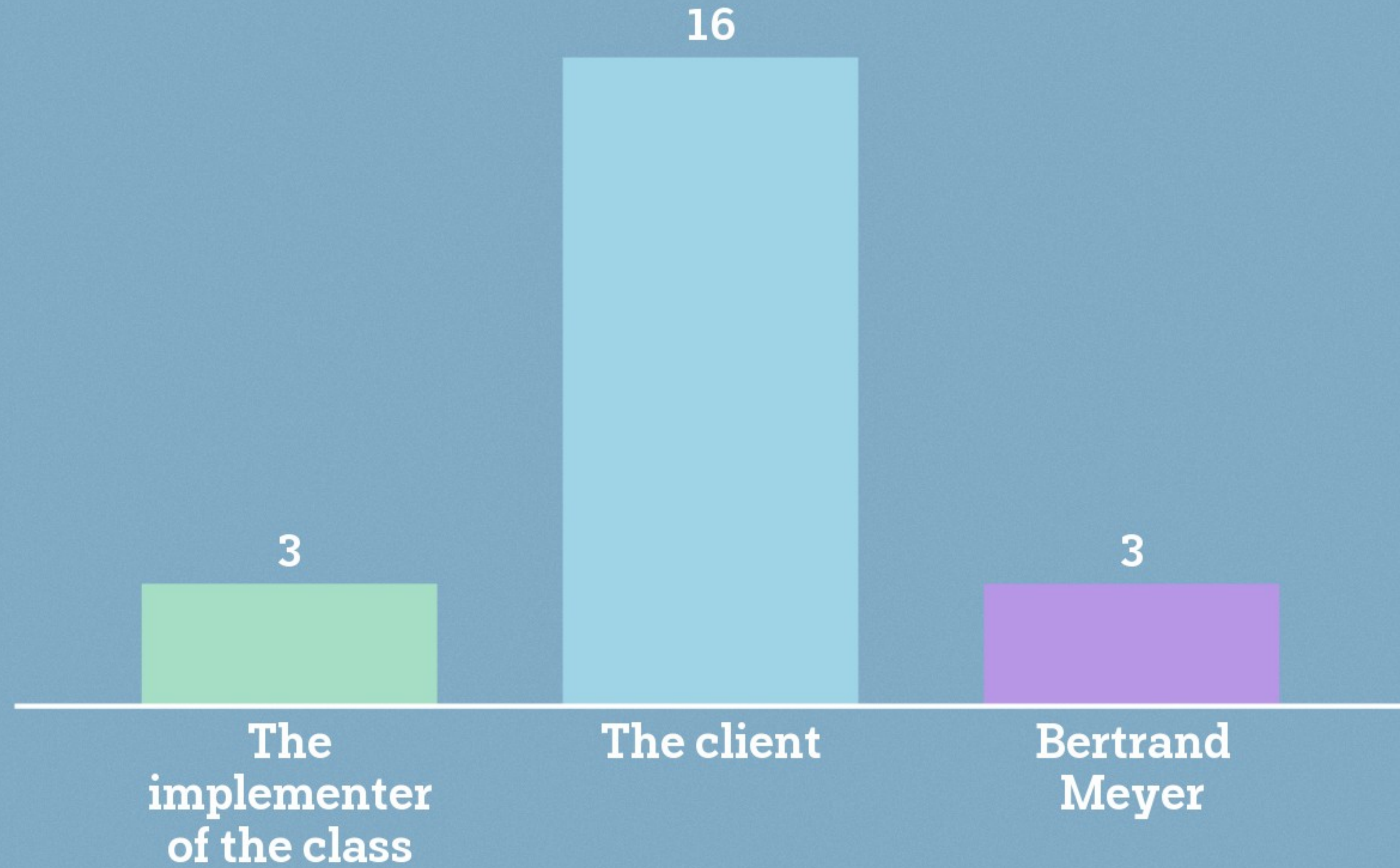


Ask me anything

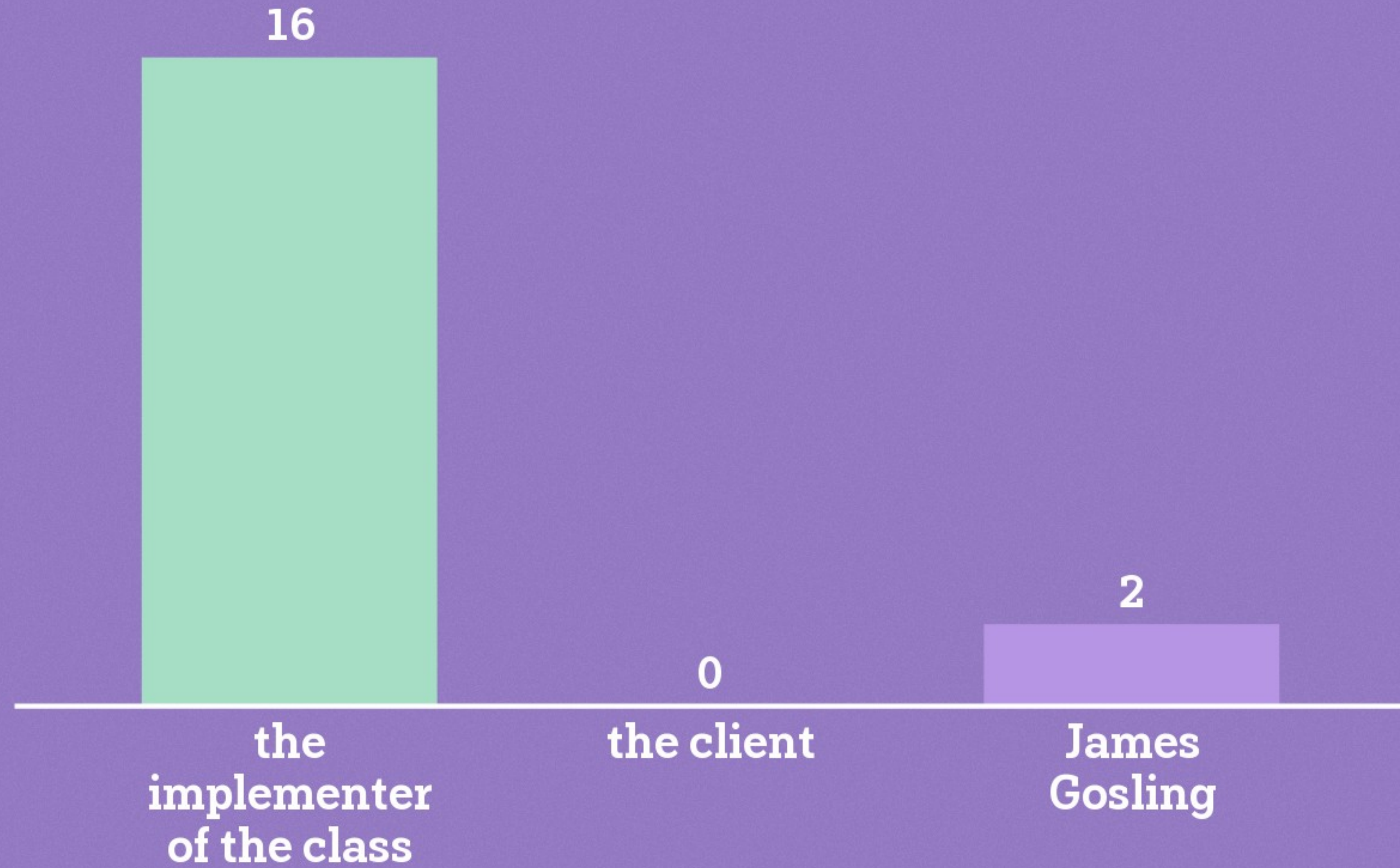
0 questions

0 upvotes

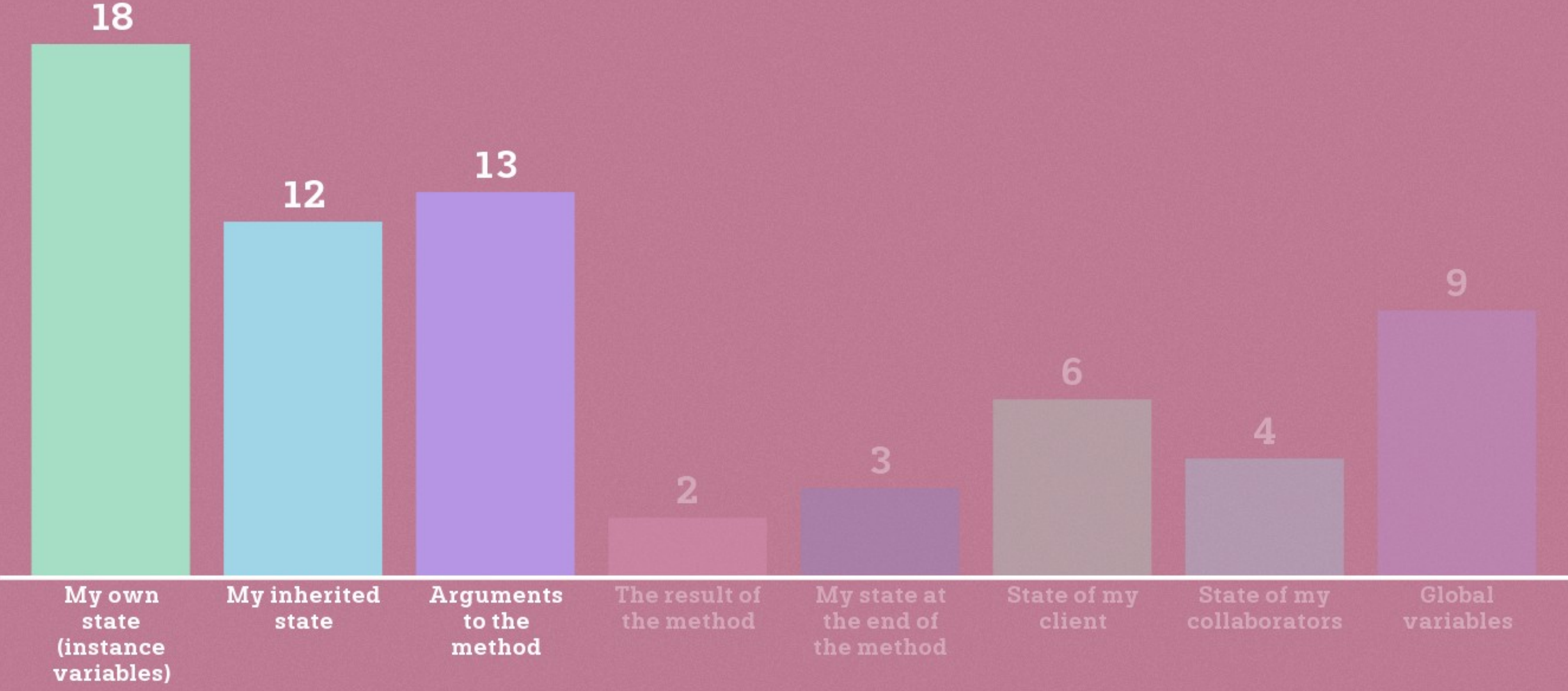
Whose fault is it when a precondition fails?



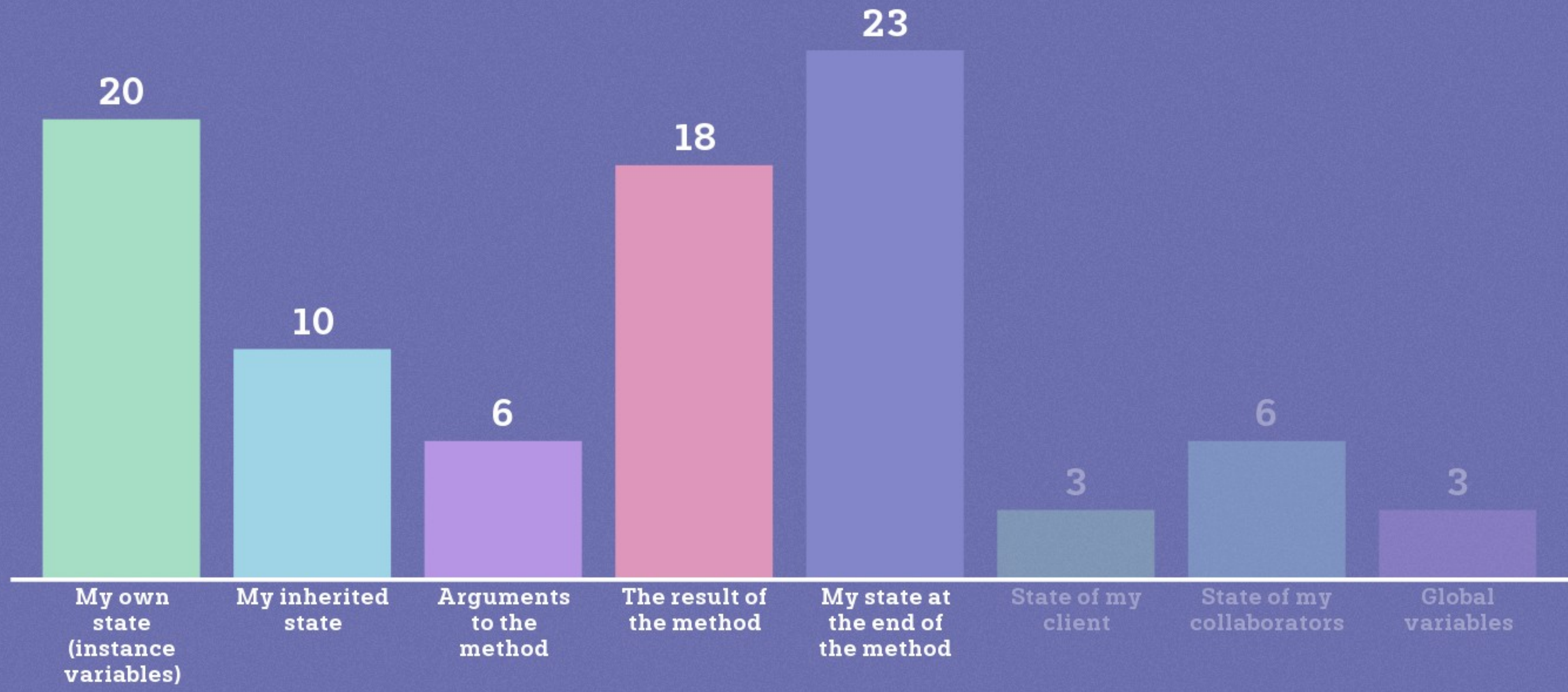
Whose fault is it when an invariant fails?



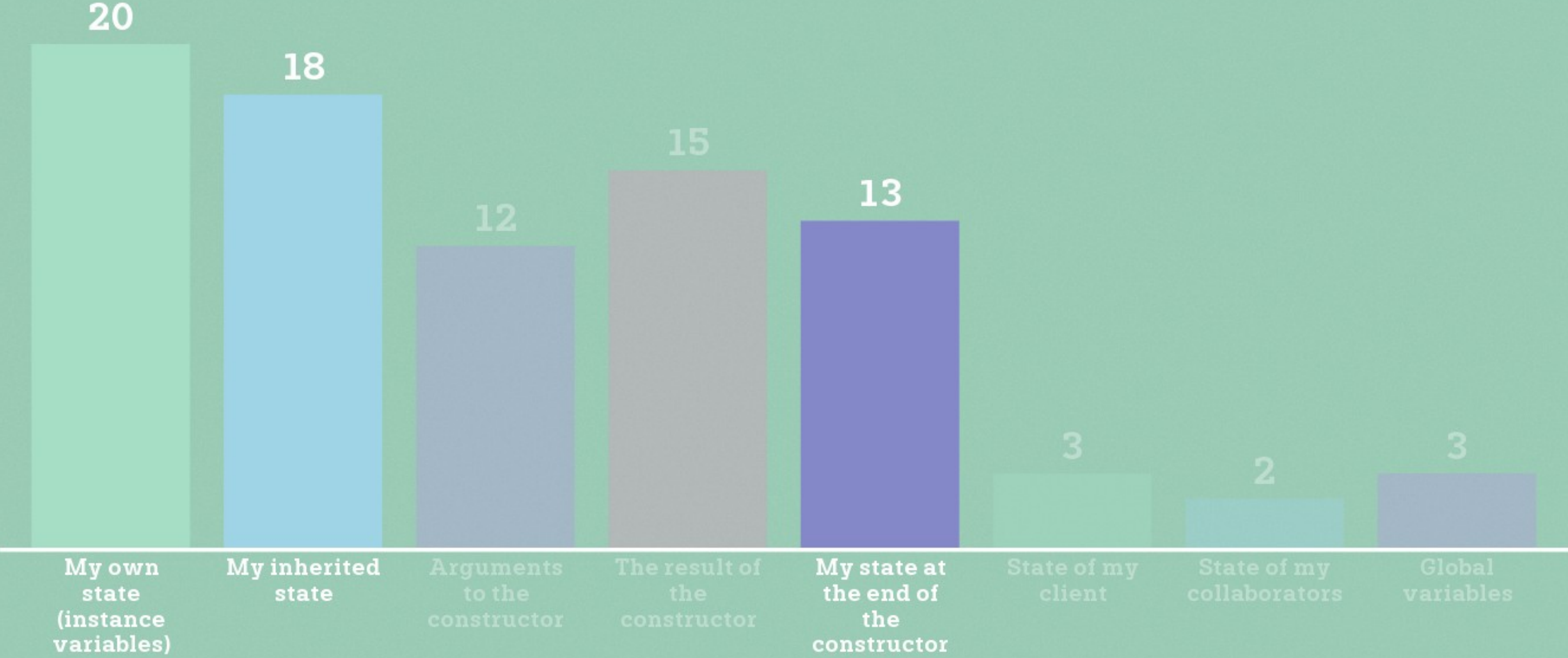
What variables can I reference in a precondition?



What variables can I reference in a postcondition?



What variables can I reference in a class invariant?



How can you get rid of null values in your code?

be careful

initialize properly

insert nil instead of null (like in SQL) , make intern checks

make a Null object

Don't return null

use a specific object as a stand in for null values

try{}catch

use null objects to return instead of returning null values

Use a null object

How can you get rid of null values in your code?

Maybe you could make a class that allows "null-objects"

assert something is not null, before returning

Use a special object for null

So that we can access the invariant from a child class

What would be a full class invariant for LinkStack?

size overflow

when the return is -1?

Call from methods outside this class

Why did we declare invariant as protected and not private?

So we can call it from a child class

so that subclasses can override the invariant?

so that a "subclass stack" can use it

when you have to look at them in other methodes/class

Useful for subclasses

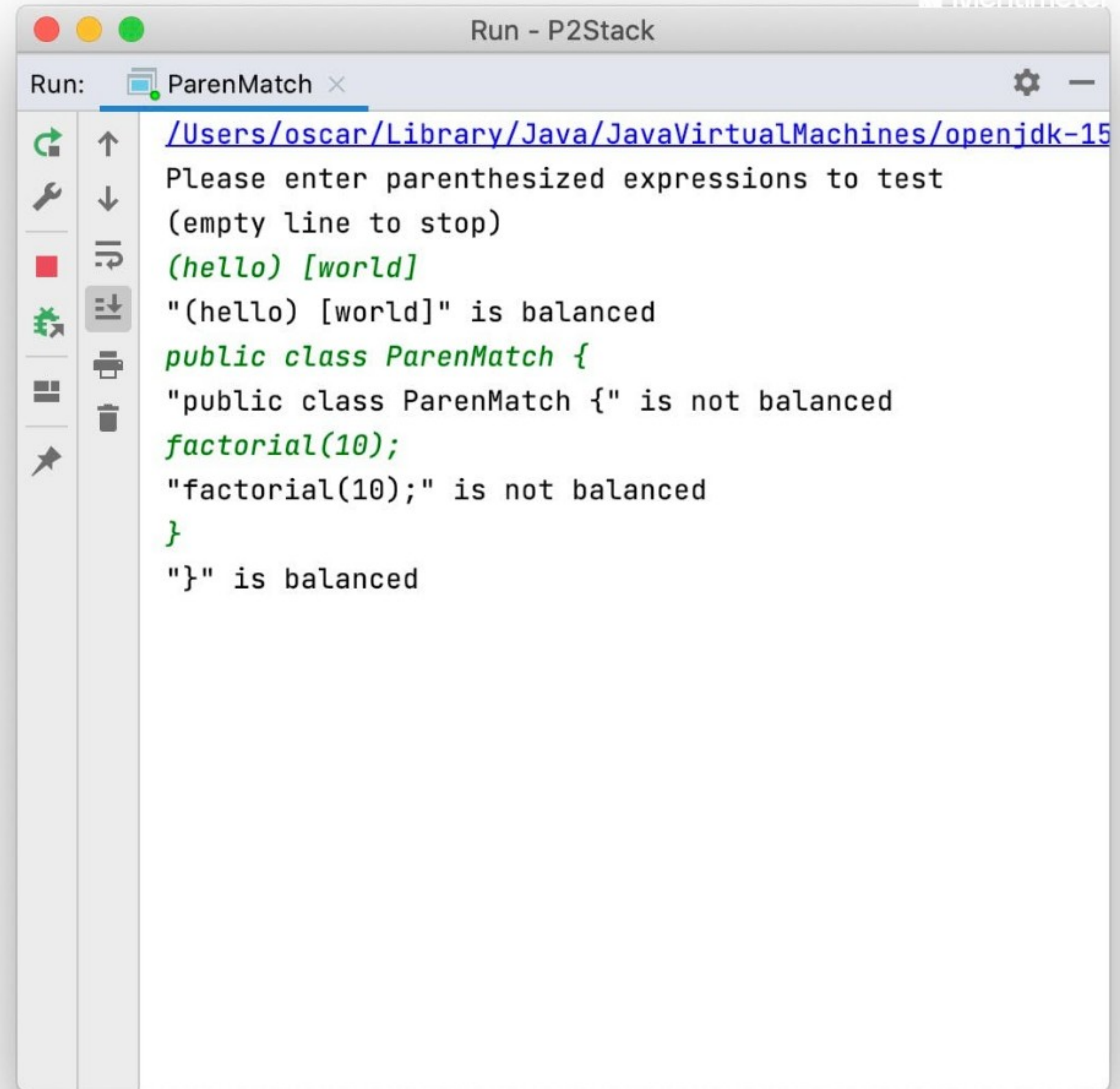
Why did ParenMatch fail?

The stack was not empty

its not made clear that the matching should be for each input alone

cause after the fail still a parenthese is left on the stack and thats why the next one that should be vaild fails

It did not reseted the stack after the first fail



```
Run - P2Stack
Run: ParenMatch x
/Users/oscar/Library/Java/JavaVirtualMachines/openjdk-15
Please enter parenthesized expressions to test
(empty line to stop)
(hello) [world]
"(hello) [world]" is balanced
public class ParenMatch {
"public class ParenMatch {" is not balanced
factorial(10);
"factorial(10);" is not balanced
}
"}" is balanced
```

What are the missing contracts in the ParenMatch class?

check that the stack is empty as a precondition

Last chance for questions