

2/10 - Testing your Specs

How do we know our predicates are correct?

- We might be *underconstraining* (allowing too much) or *overconstraining* (allowing too little)
- We know what **concrete instances** we expect a predicate to accept or reject.
- Does our predicate actually do what we want it to do on these concrete instances?
- Forge lets you do this!

We want tests for our predicates!

- Tests are just concrete instances coupled with whether you expect the predicate to accept or reject it
- You can do this in Forge using `inst {}`.
- To use this, specify the full instance you want to test inside the braces i.e. what all the sets of atoms and relations are

Then, we can write test suites on concrete instances:

- Use `test/expect` syntax (see board code) to encode test cases against concrete instances