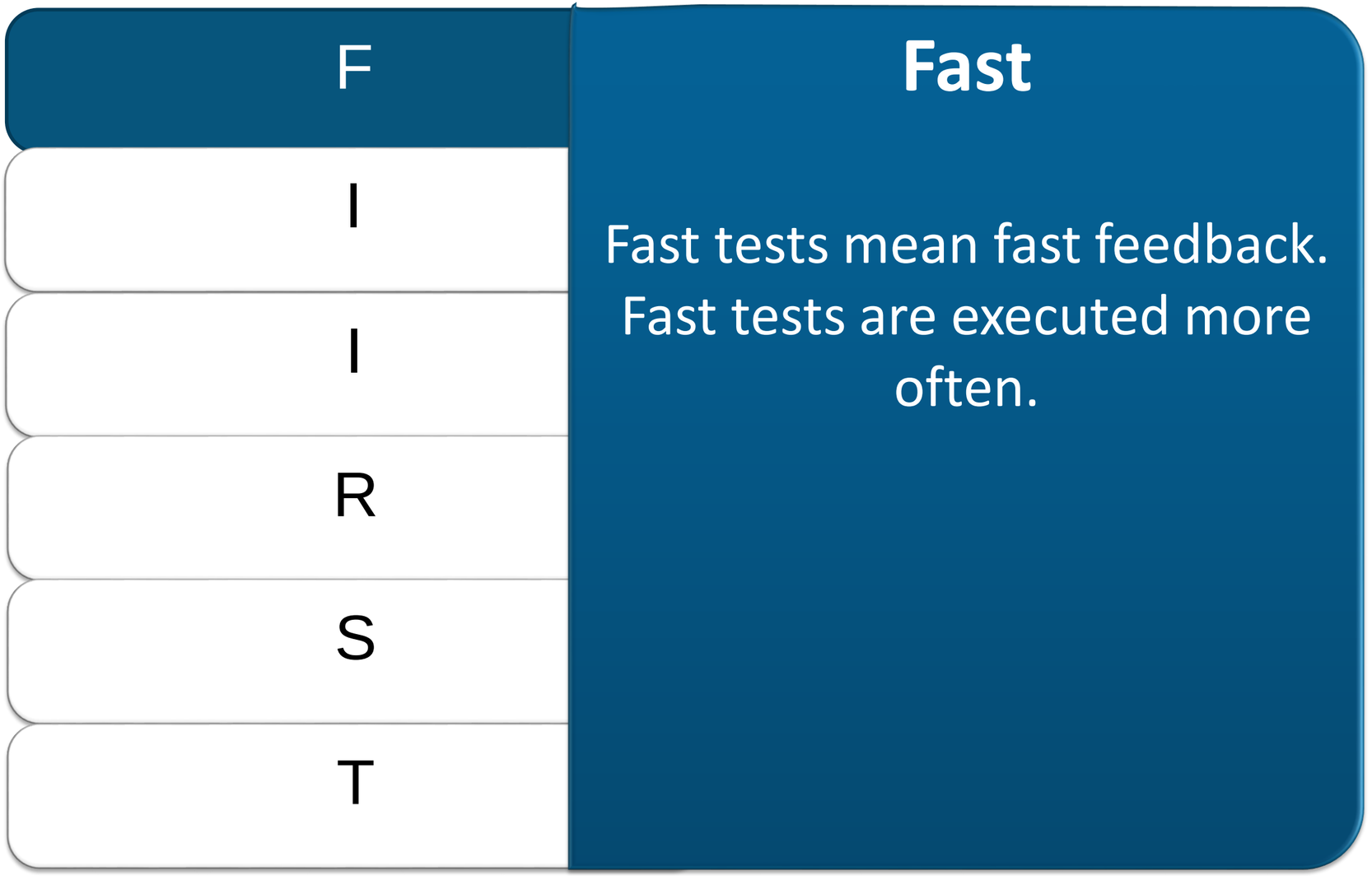
F.I.R.S.T.

F.I.I.R.S.T.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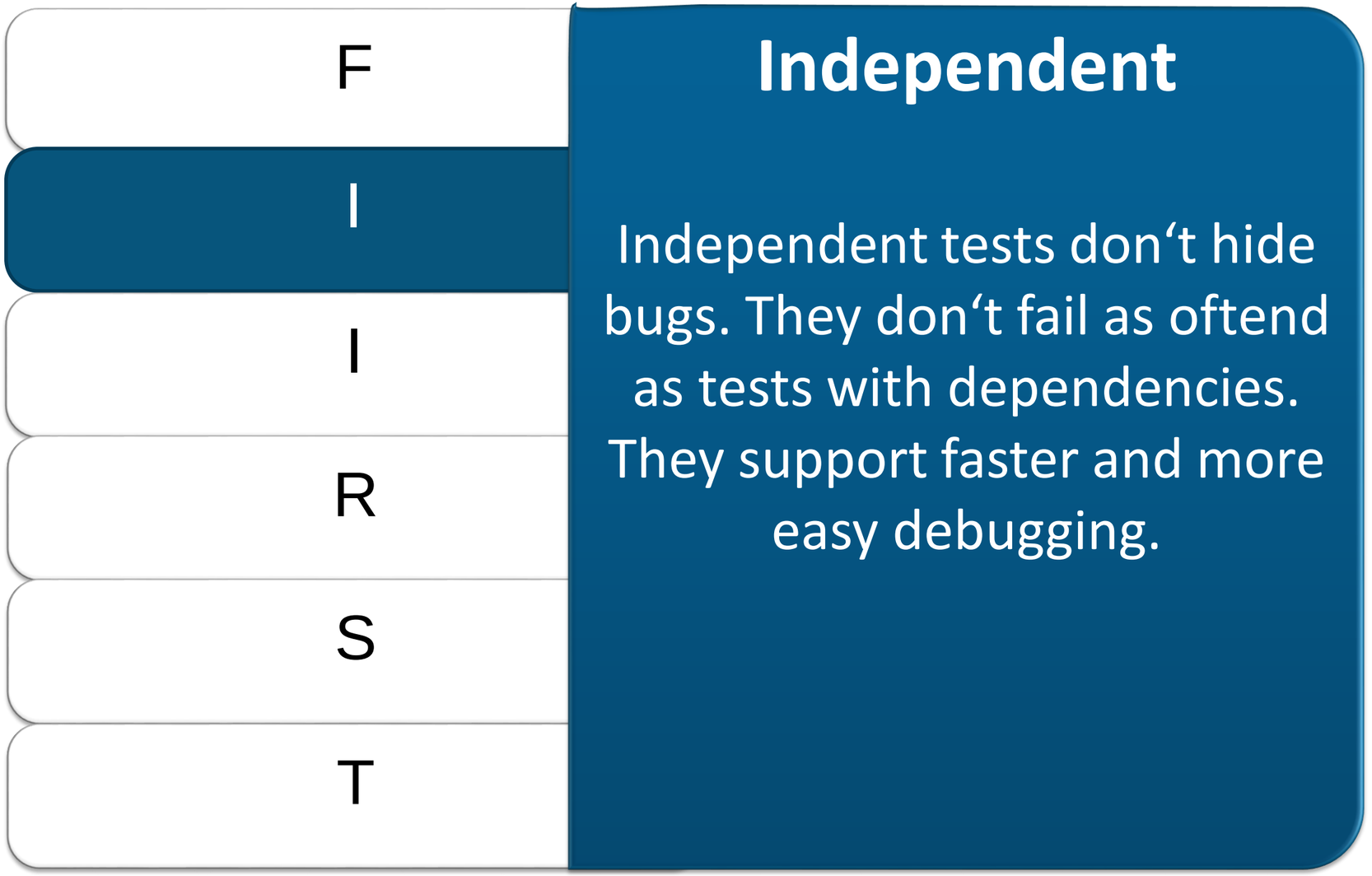
Fast
Fast tests mean fast feedback.
Fast tests are executed more
often.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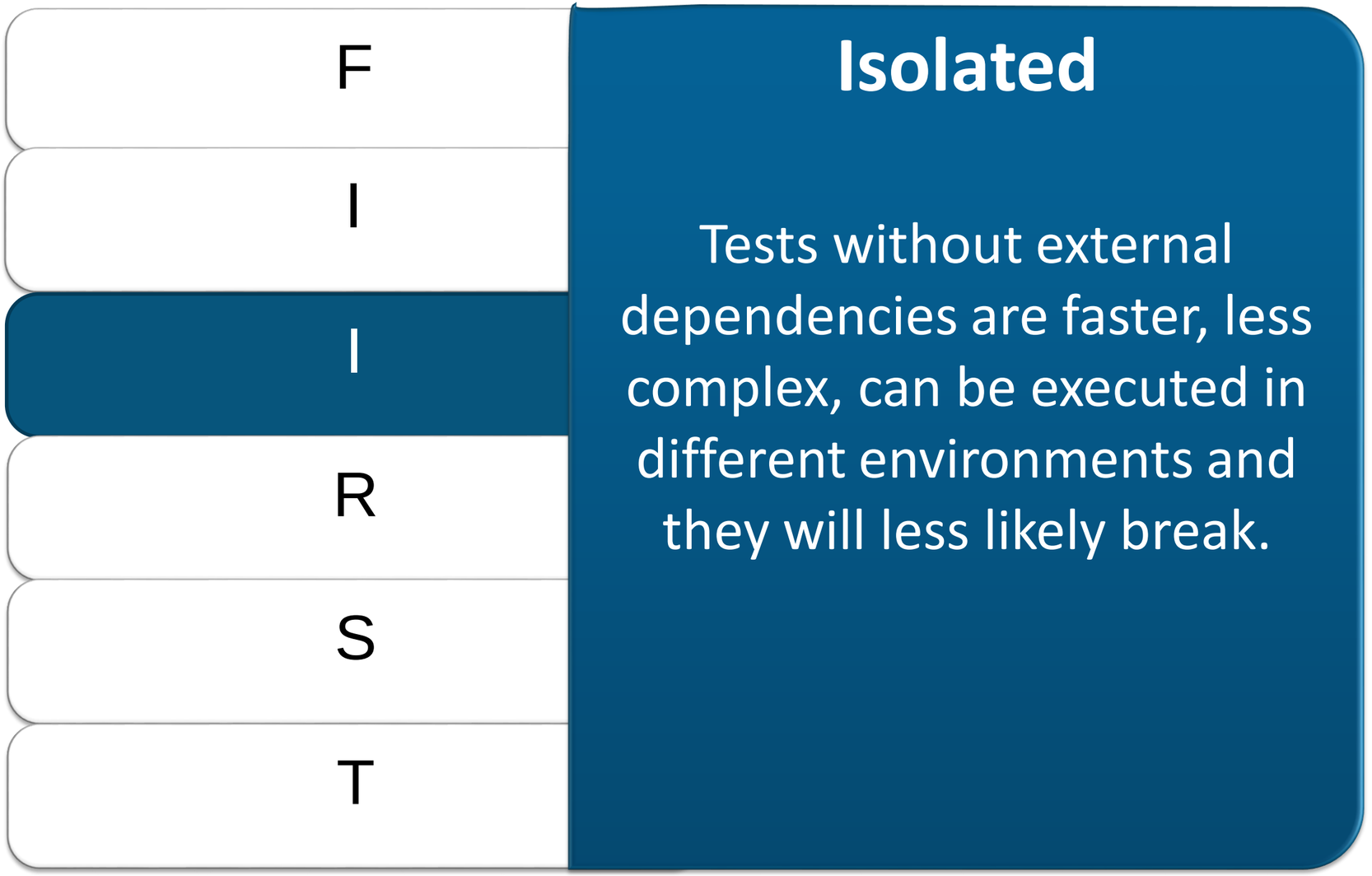
Independent
Independent tests don‘t hide bugs. They don‘t fail as oftend as tests with dependencies. They support faster and more easy debugging.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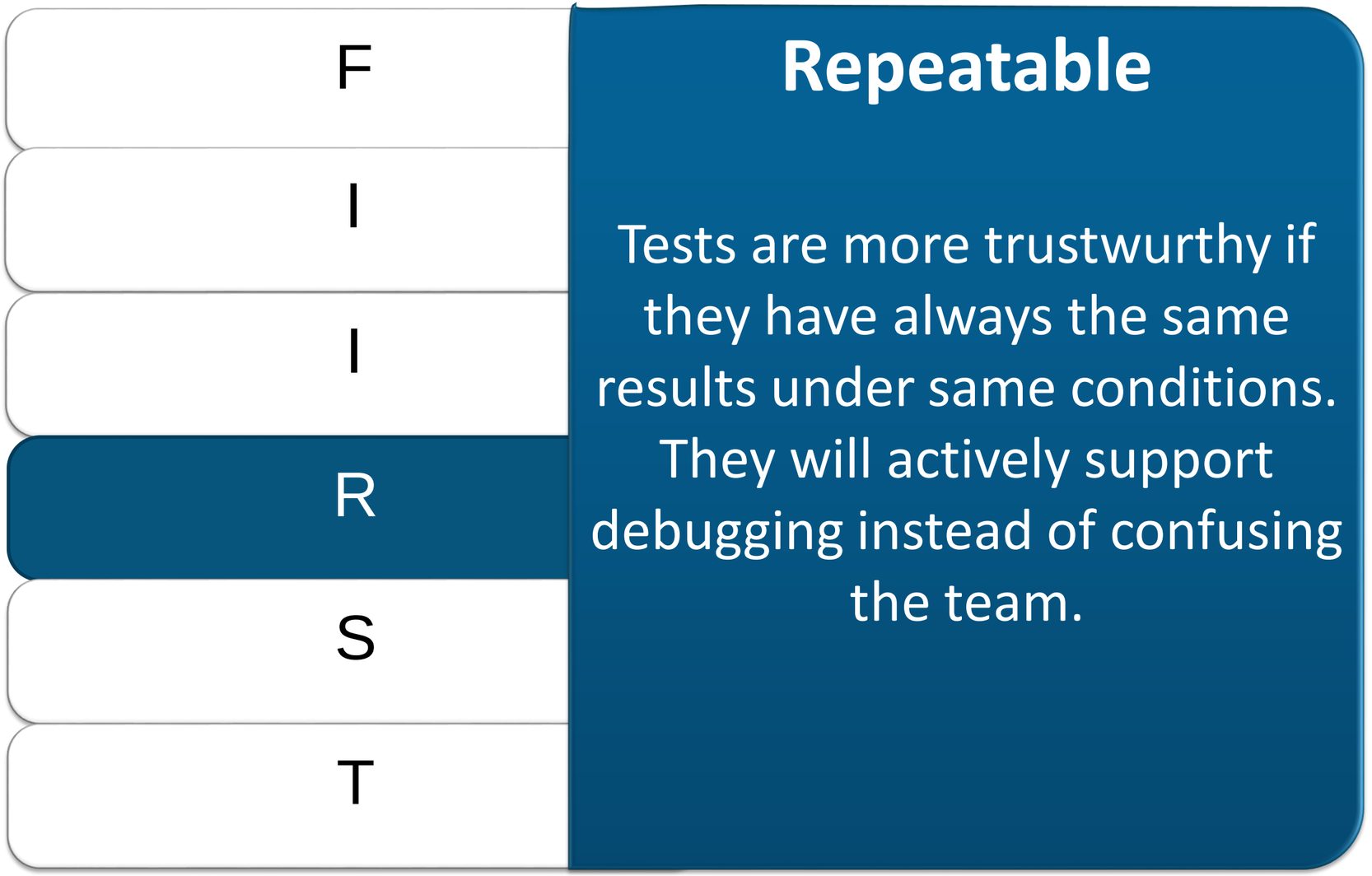
Isolated
Tests without external dependencies are faster, less complex, can be executed in different environments and they will less likely break.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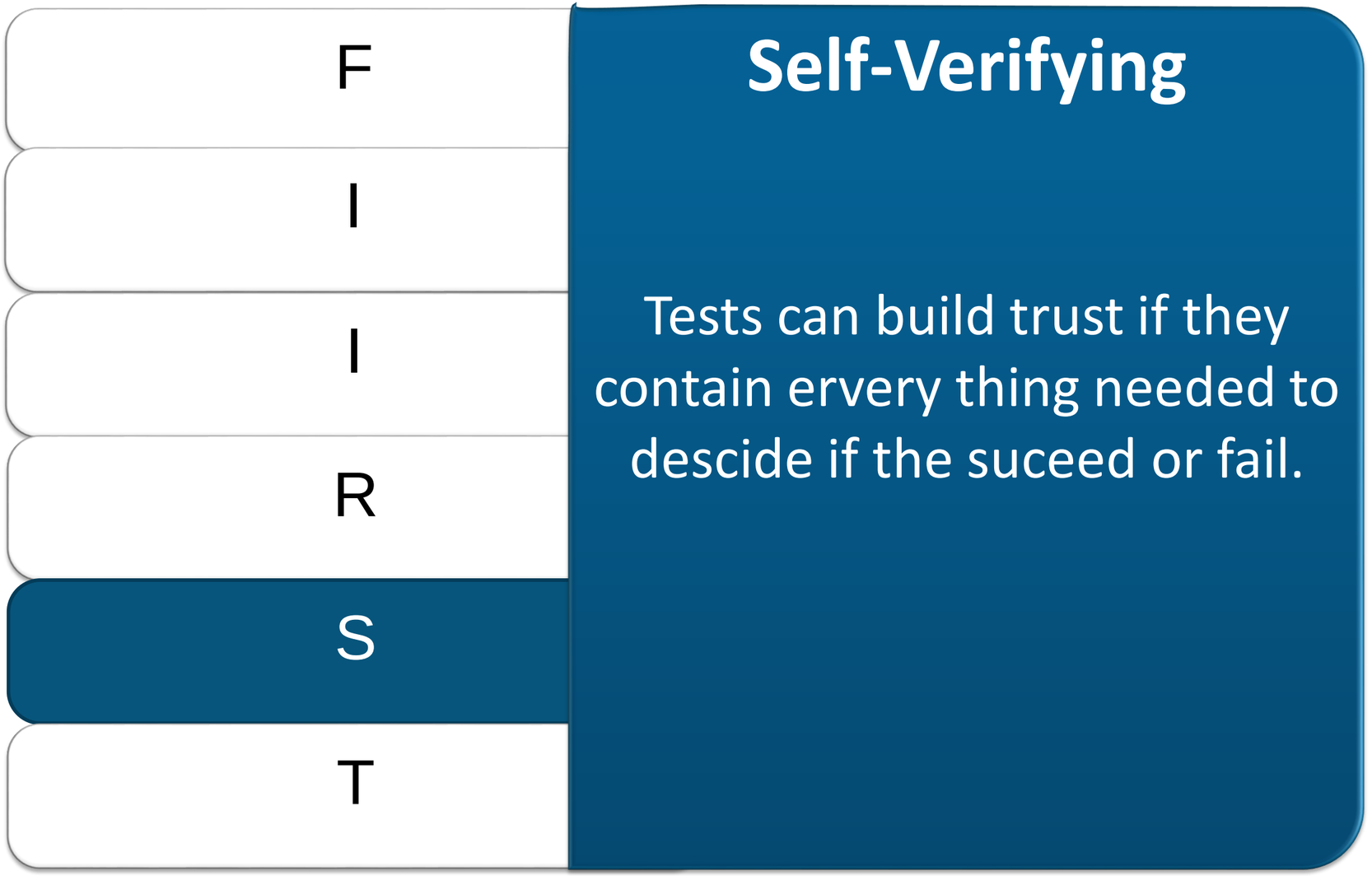
Repeatable
Tests are more trustwurthy if they have always the same results under same conditions. They will actively support debugging instead of confusing the team.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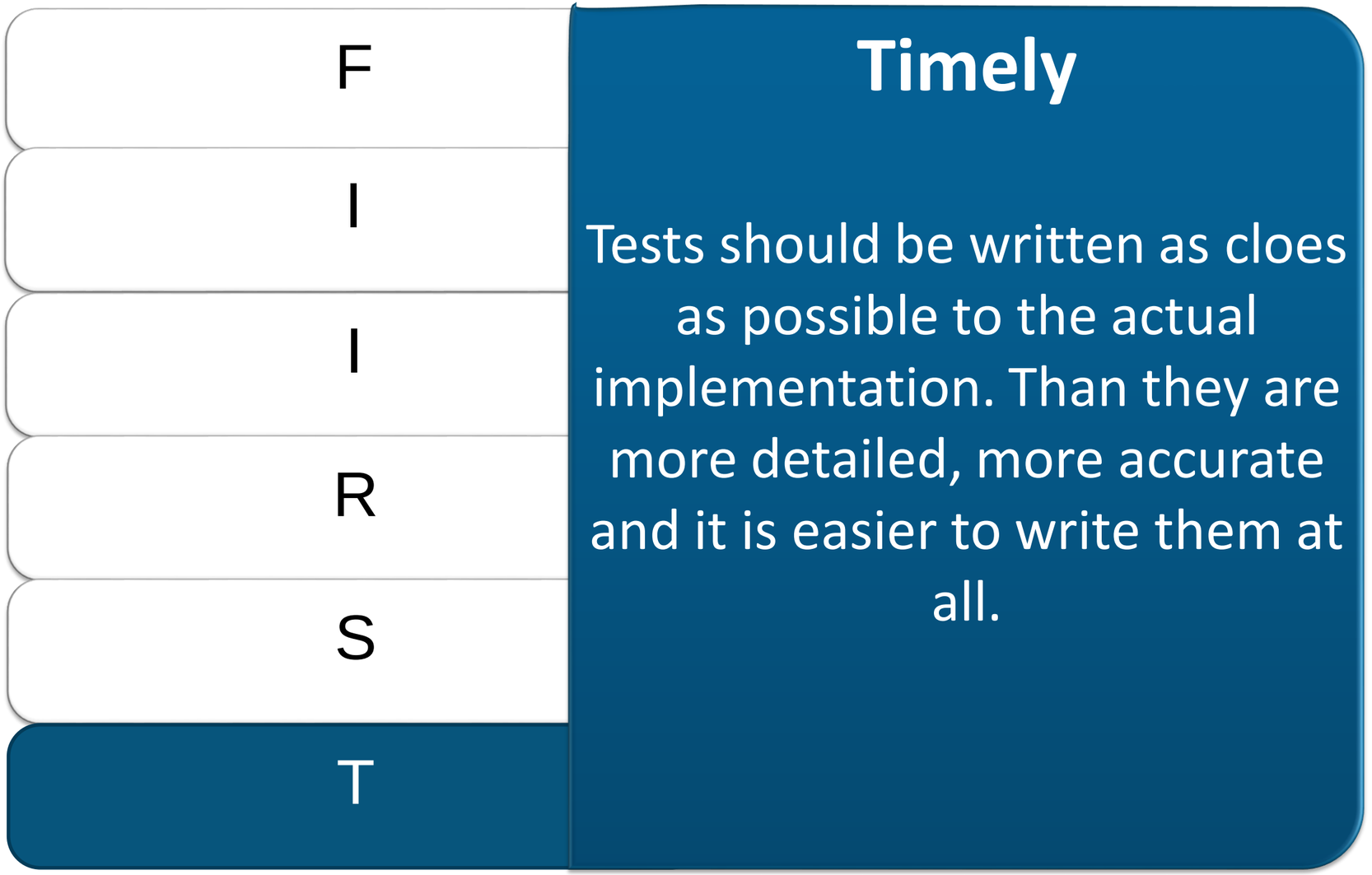
Self-Verifying
Tests can build trust if they contain ervery thing needed to descide if the suceed or fail.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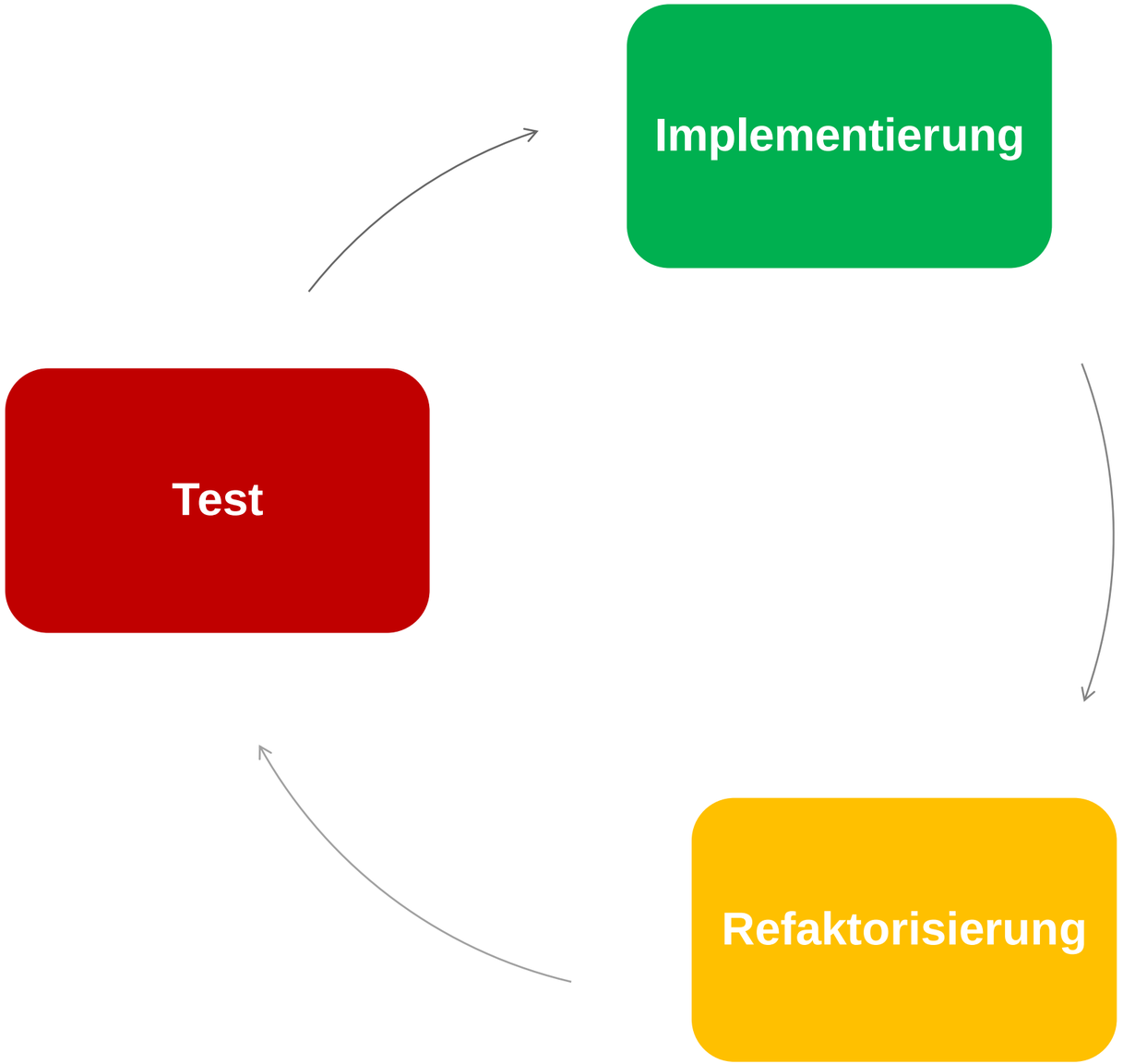
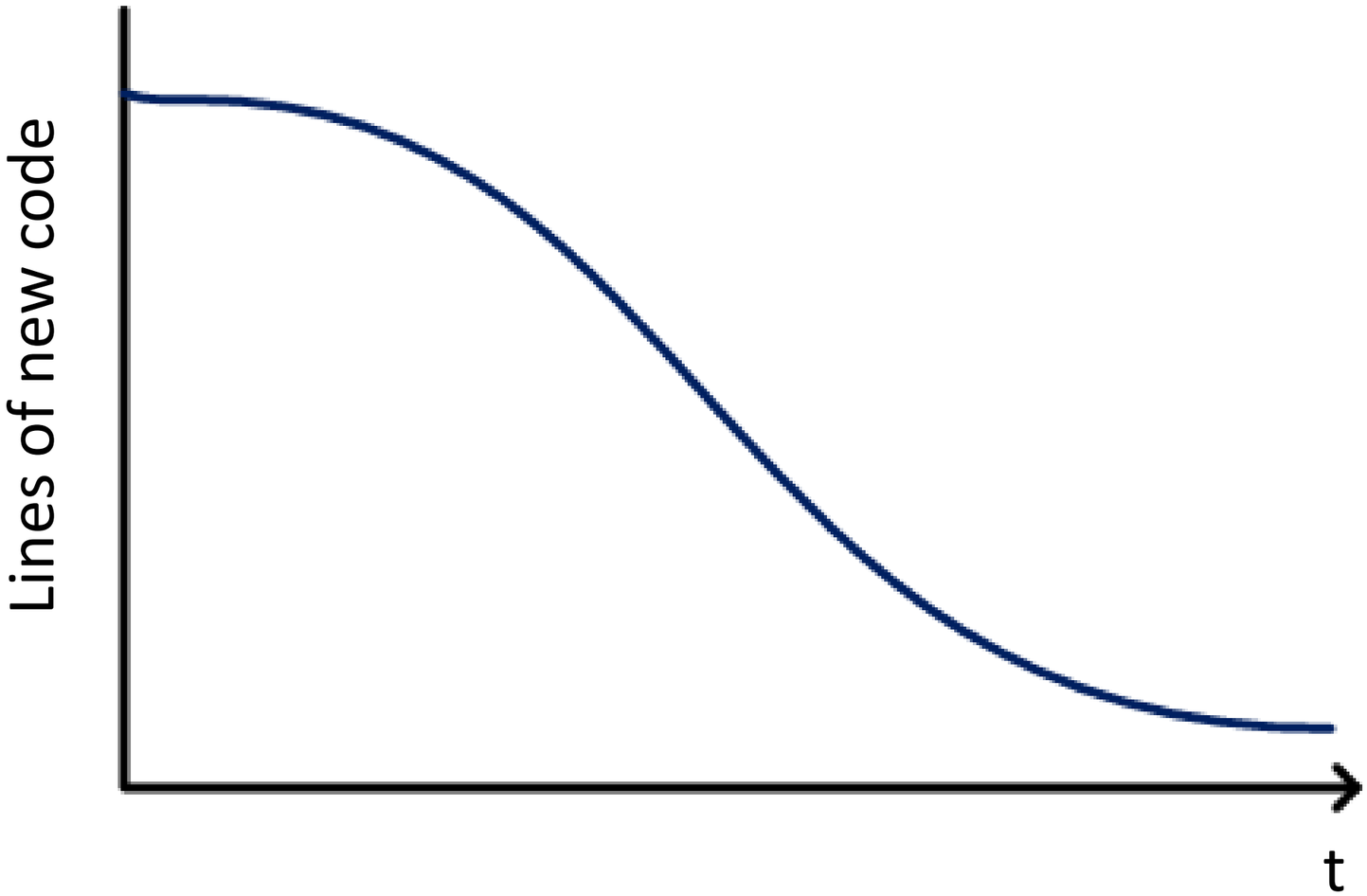
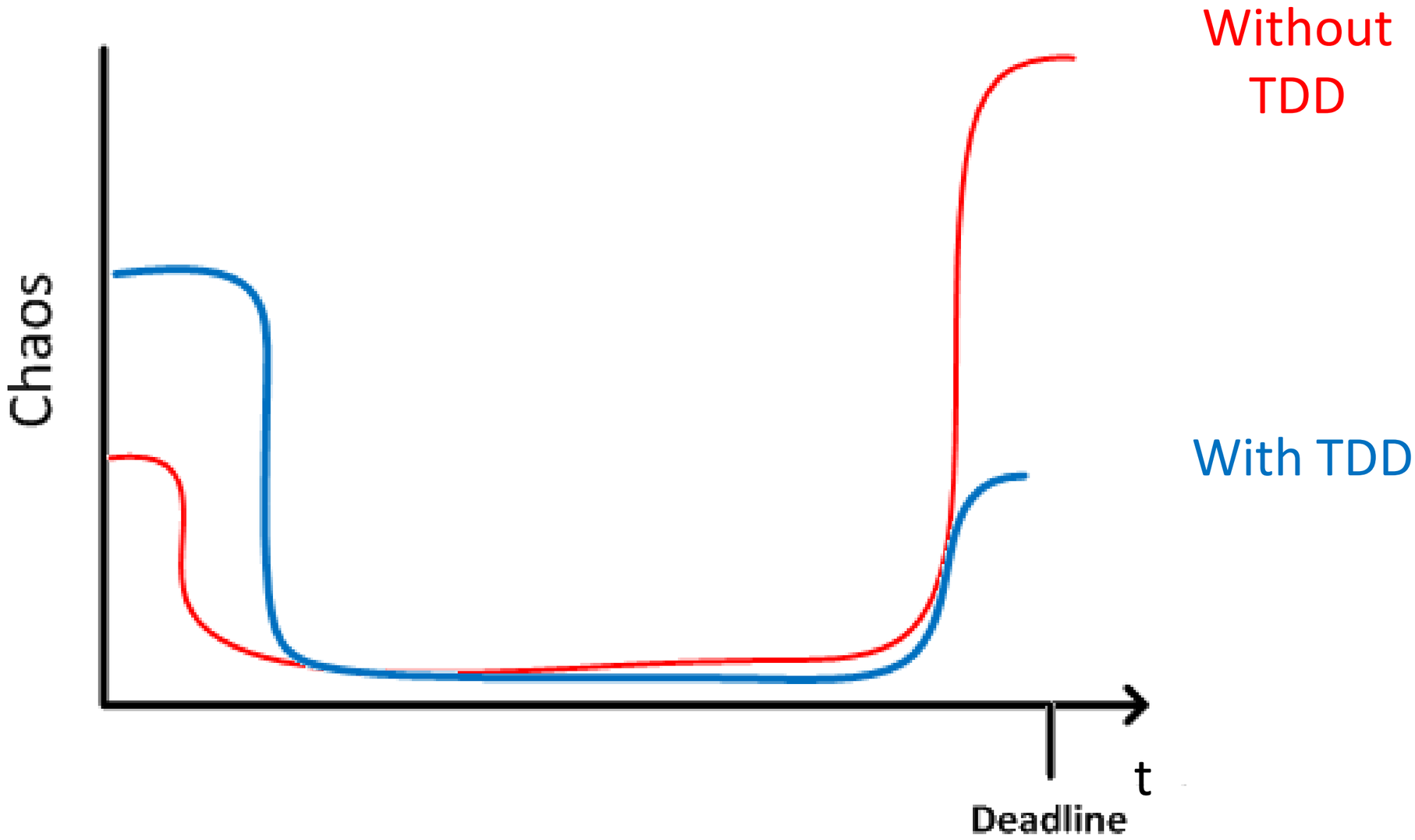
Timely
Tests should be written as cloes as possible to the actual implementation. Than they are more detailed, more accurate and it is easier to write them at all.

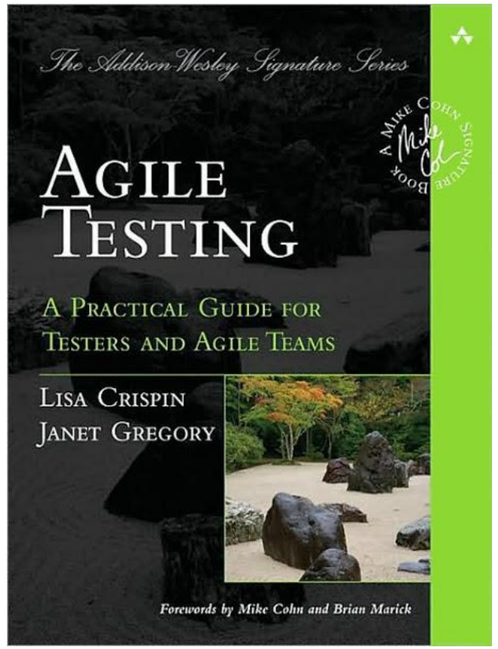
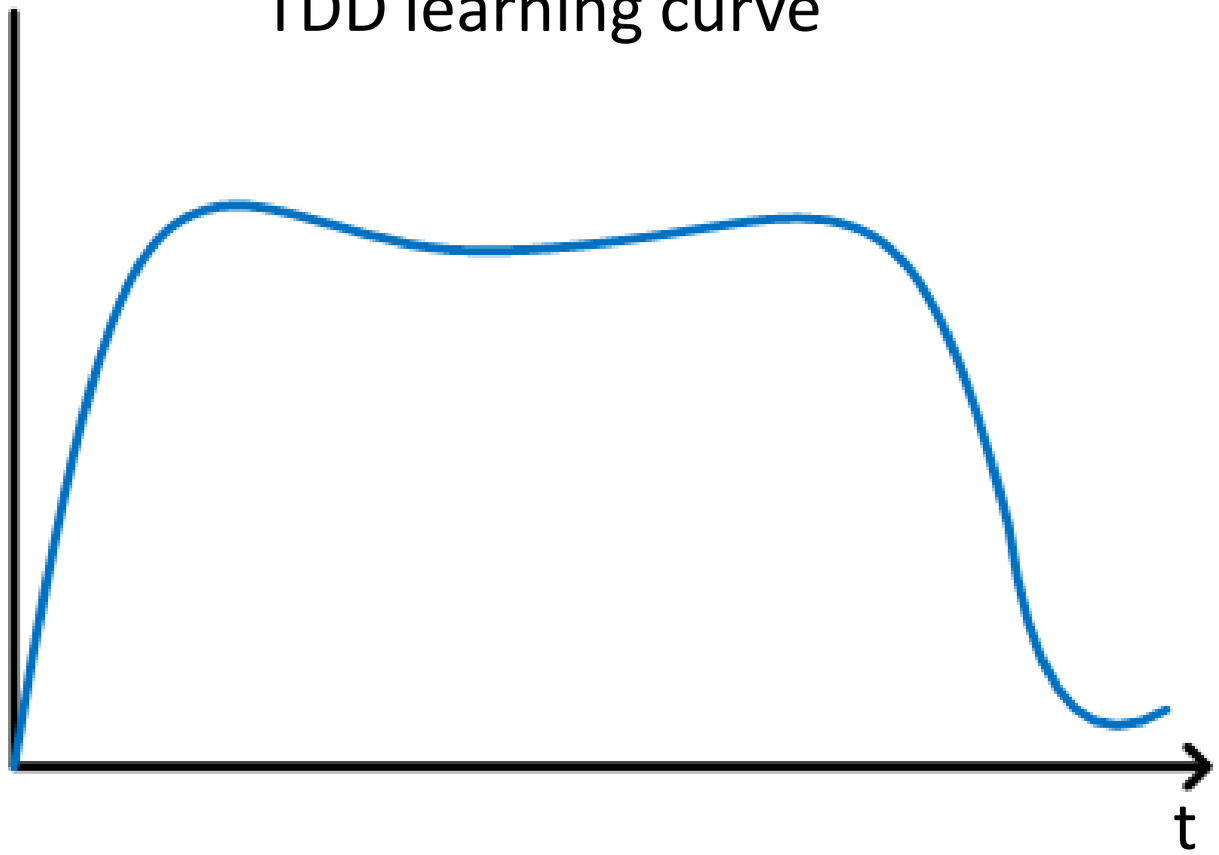

Implementierung
Refaktorisierung
Test

- Write only code demanded by a test.
- Developer your code step-by-step.
- Choose steps as small as possible.
- Every step must enhance the code.


Lines of new code
t



Quelle: Growing Object oriented Software guided by tests, Freeman & Price, Addison-Wesley 2009



TDD learning curve