What is ATDD?

From A Technical Stand Point

ATDD Cycle

Write a failing feature test

BDD

Write a failing test

Make the test pass

TDD

Refactor

n cycles
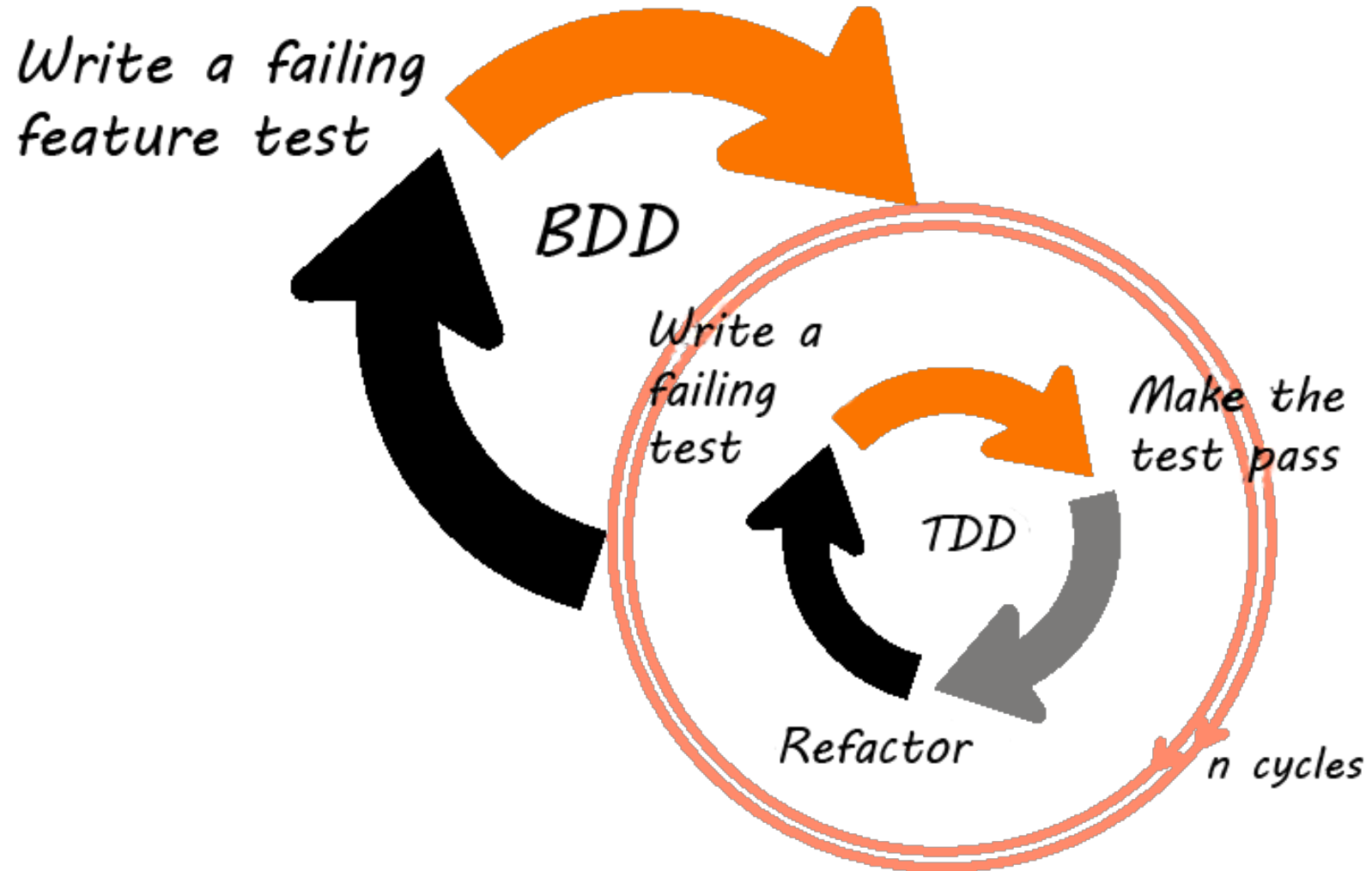
7 Waste of Software Development

- **Partially Done Work** (Inventory)
- **Extra Features** (Over Production)
- **Re-learning** (Extra Processing)
- **Handoffs** (Transportation)
- **Delays** (Waiting)
- **Task Switching** (Motion)
- **Defects**

How does ATDD help?

Why ATDD.

Eliminate| Miscommunication

Create| **Shared Understanding**

Create | **Clear Definition of Done**

Reduce| **Over Production**

Reduce| Task Switching

Reduce | **Handoffs**

Reduce | **Defects**

Why tests first?

- Feedback-loop
  - Immediate feedback while you work.

- Testable Design by default
  - Design will be influenced by a desire to test everything of value, the design will reflect this by being easier to test.

- Focused Rhythm and Flow