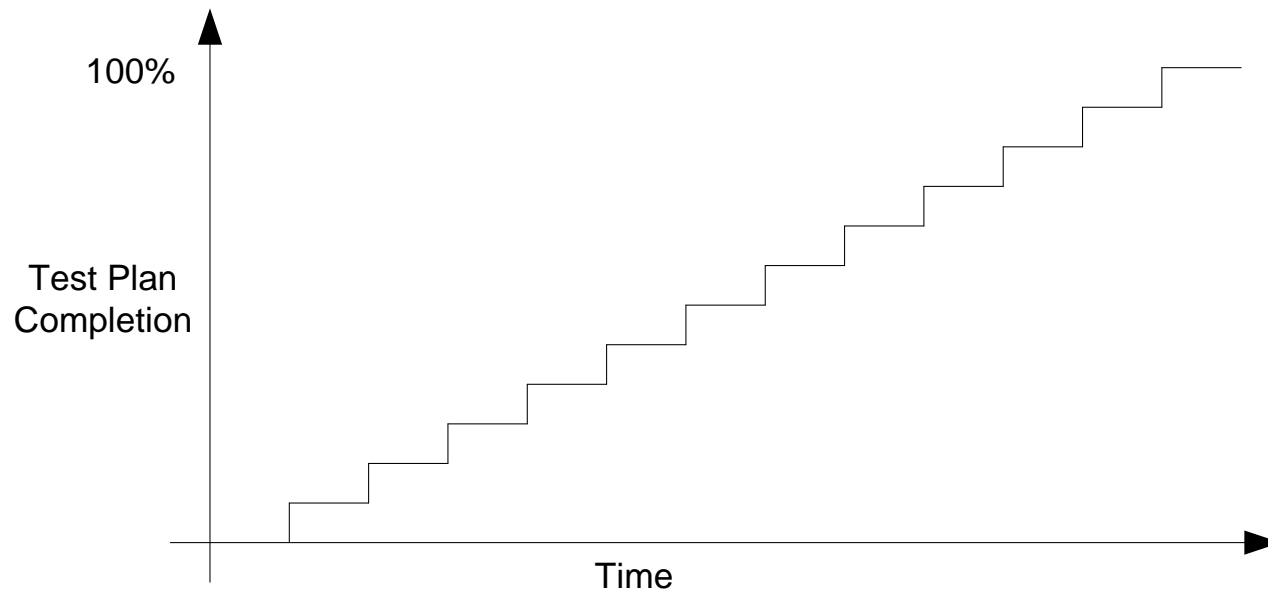


Directed Testing

Most (all) probably specified directed testing in their test plan

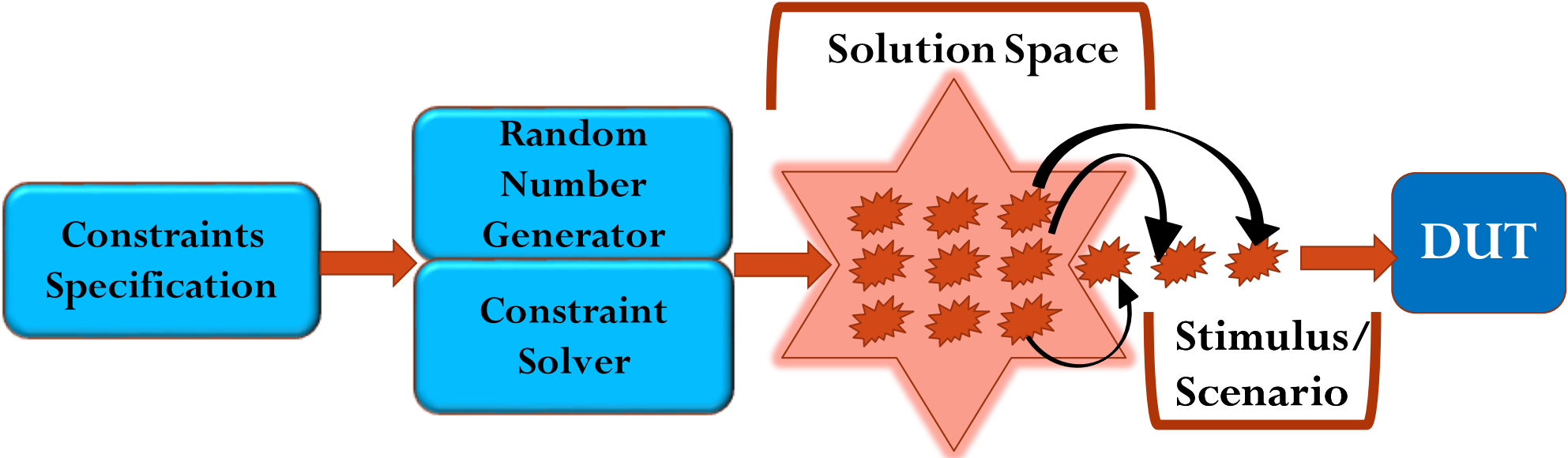
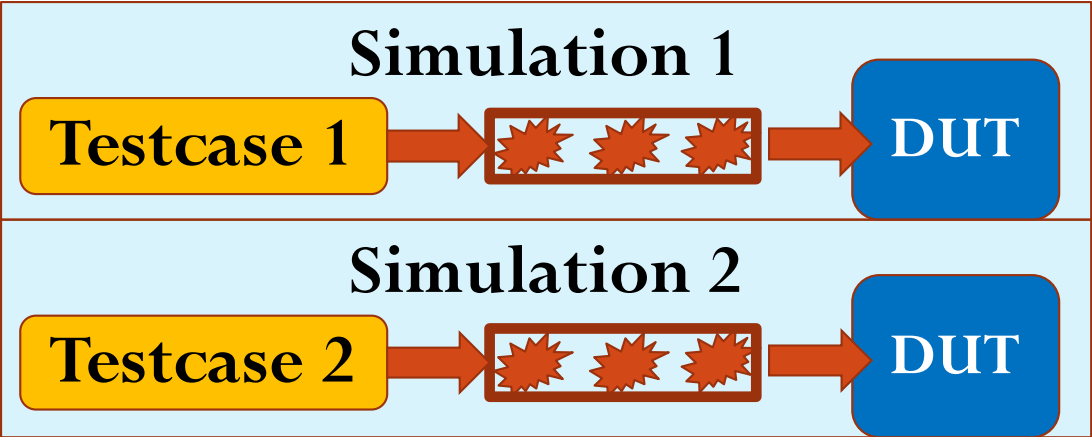
- Steady progress
- Little up-front infrastructure development
- Small design changes could mean massive test changes



Testing Methodology

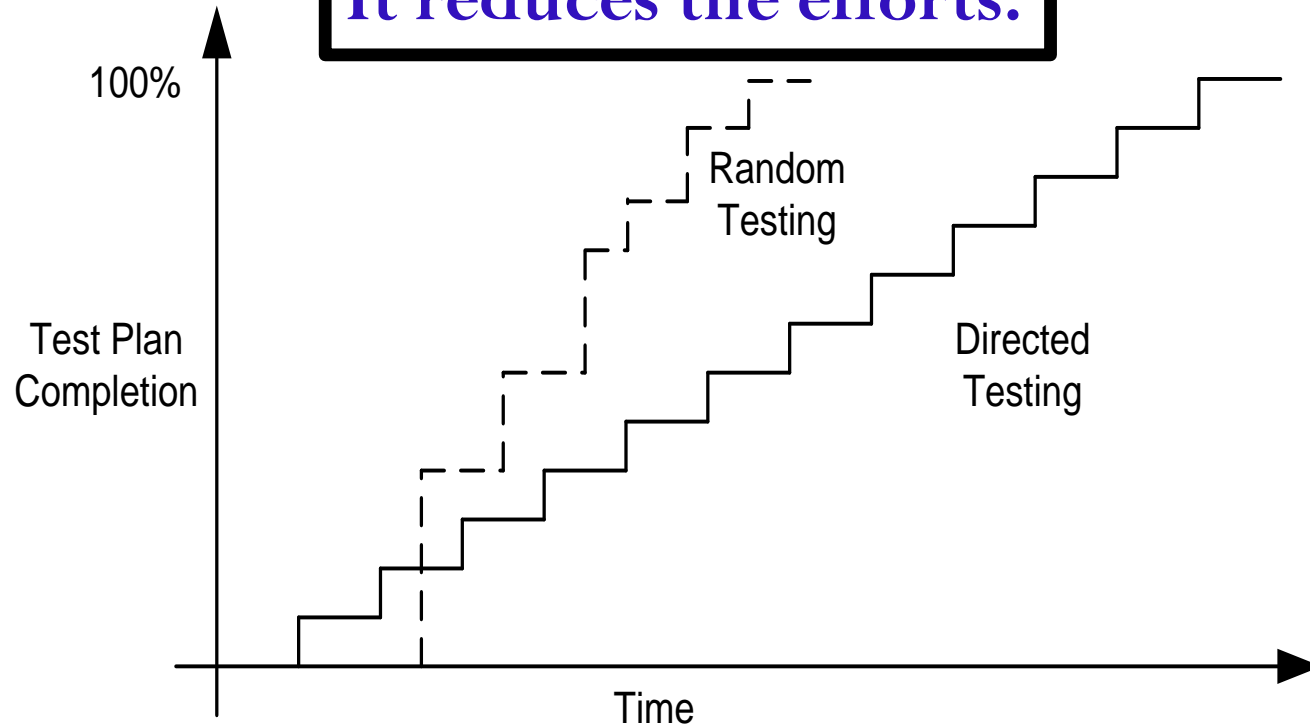
Our verification environments will use the following principles

1. Constrained random stimulus
2. Functional coverage
3. Layered testbench using transactors
4. Common testbench for all tests
5. Test-specific code kept separate from testbench



Random Testing

It reduces the efforts.



Directed tests take long time to develop because you have to think about all possible scenarios to verify different features.

The main disadvantage of random testing is that we never know what random values are generated and it may waste simulation cycles by generating same values again and again.