Category-partition Method

- Key idea
 - Method for creating test suites
 - Role of test engineer

Steps

 Develop "Formal Test Specification" fun3.9(8(c)4(tt)-al)6(l uni)3.7(s)-3.9eps

Test Specs - Environment



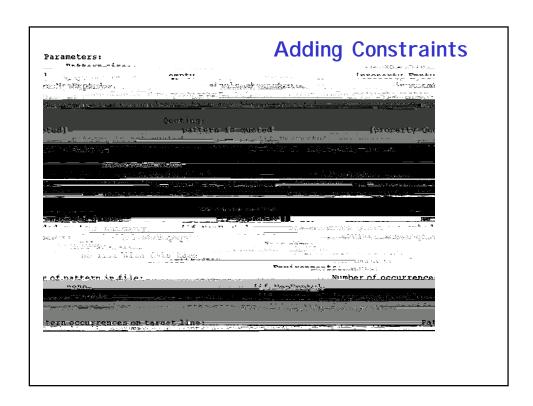
Contradictory Requirements

 Can we even generate such a test case?

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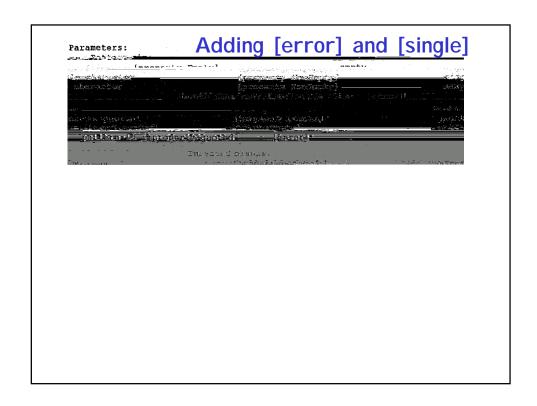
Constraints

- Properties
 - [property A, B, ...]
 - A and B are property names
 - E.g., [property Empty]
- Selector expression
 - [if A]
 - E.g., [if Empty]



Number of Test Frames

- 678
- · Can we reduce them?



Number of Test Frames

- [error]
 - 125
- [single]
 - 40

Generating Test Cases

- Use a constraint solver
- Choose specific values that satisfy the constraints