Test

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Overview

Specification-Based Test Techniques

- Black-box testing
- Test cases derived from specification
- Test the system according to the specification

Equivalence Partitioning

- Program as a function $P(x)$
- Test vectors a and b
- $P(a)$ cover a list of instructions C_a
- If $C_a = C_b$ they are in the same equivalence partition

Equivalence Partitioning in Testing

- Impossible to cover all inputs
- Partition should be handled the same
- Cover each partition

Example

Interest Rate

- 0-5000$ 3%
- Over 5000$ 5%
- Loyalty bonus: +0.2% per year (max 50 years)

Other Techniques

Boundary value analysis

The End

"Testing shows the presence, not the absence of bugs."
— Edsger W. Dijkstra