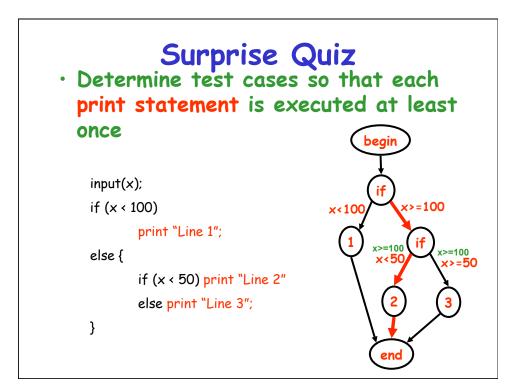
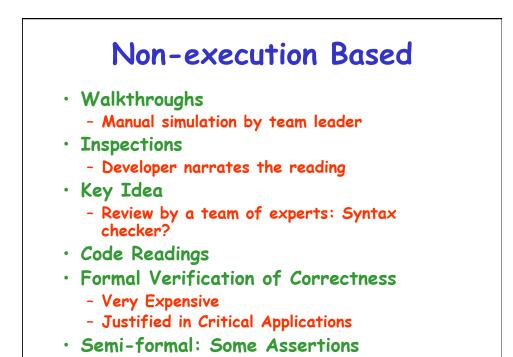
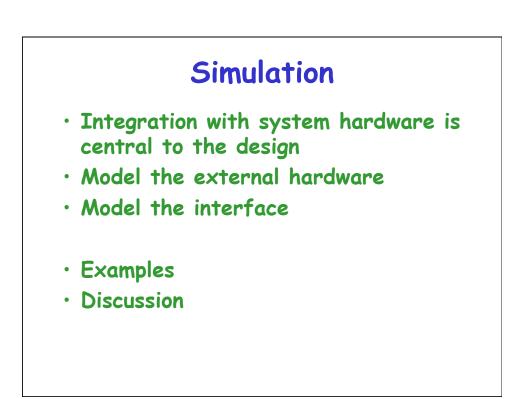


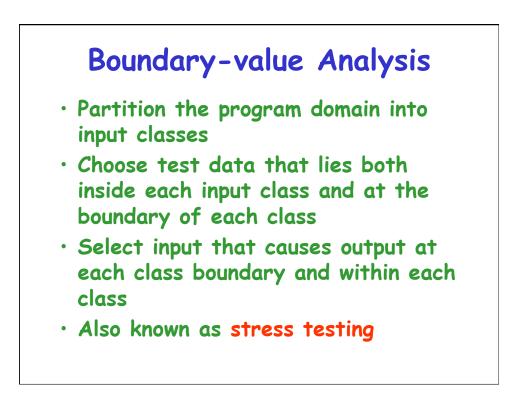
Determining Adequacy

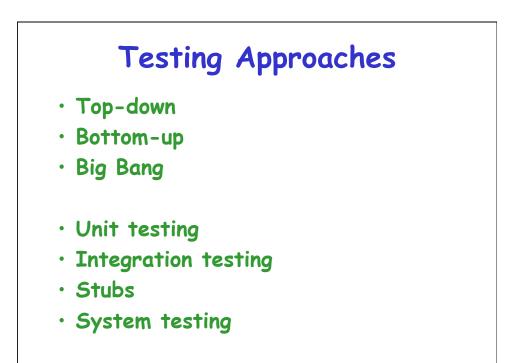
- Statement coverage
- Branch coverage
- · Path coverage
- All-def-use-path coverage











Mutation Testing

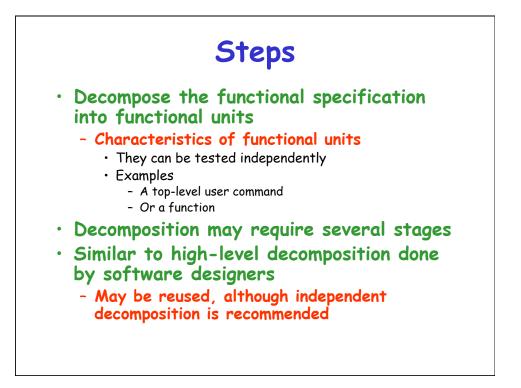
- Errors are introduced in the program to produce "mutants"
- Run test suite on all mutants and the original program

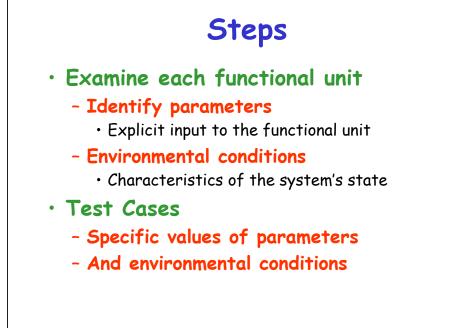
Test Case Generation

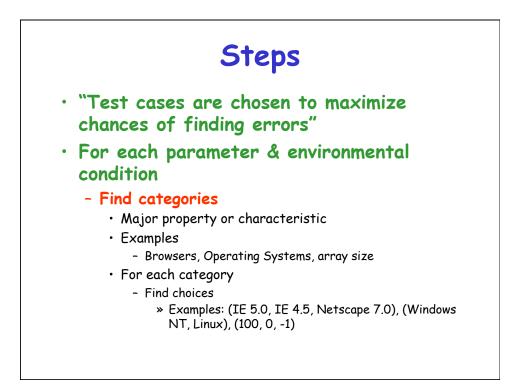
- Test Input to the Software
- Some researchers/authors also define the test case to contain the expected output for the test input

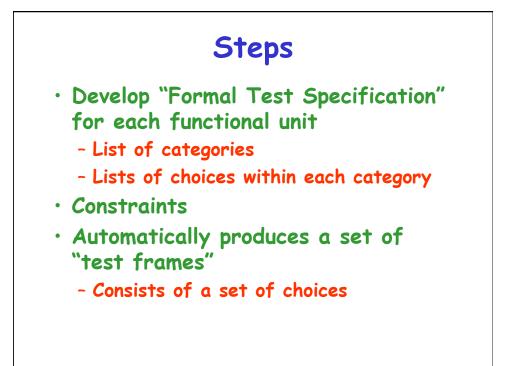


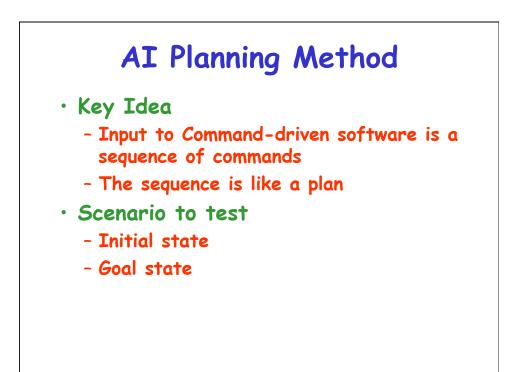
- suites
- Role of test engineer
 - Analyze the system specification
 - Write a series of formal test specifications
- Automatic generator
 - Produces test descriptions

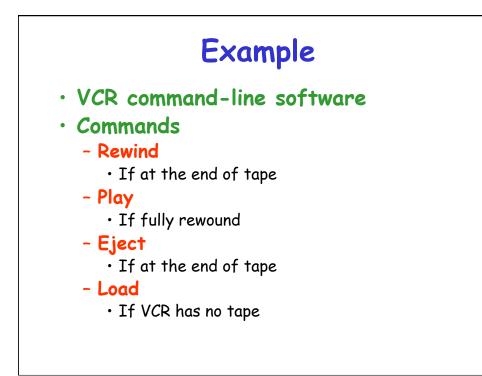


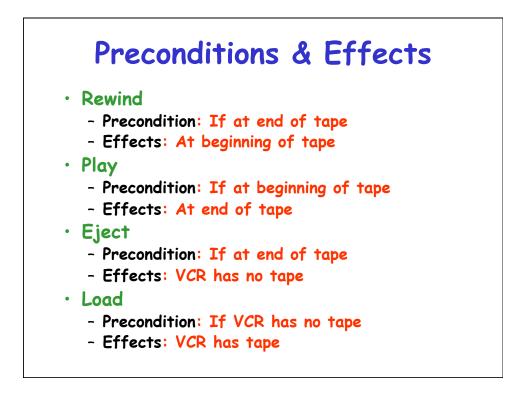


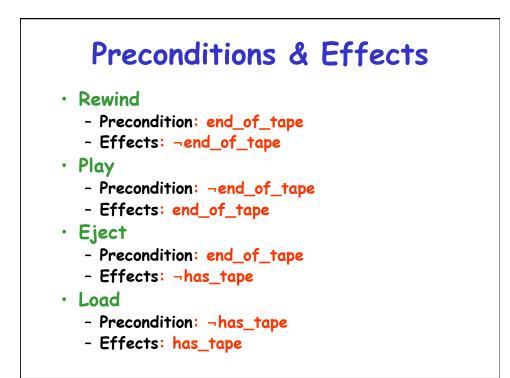


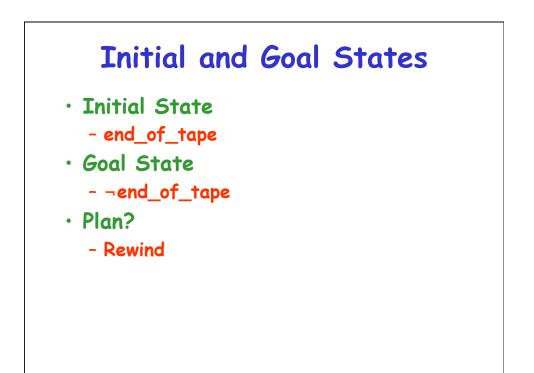


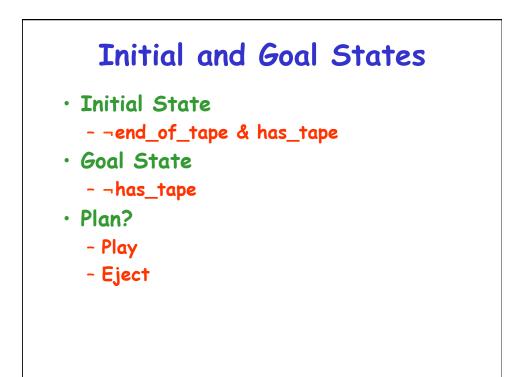


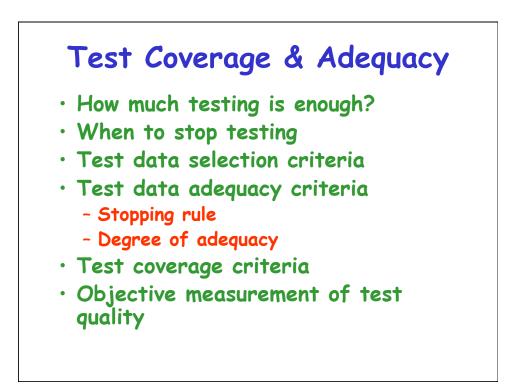


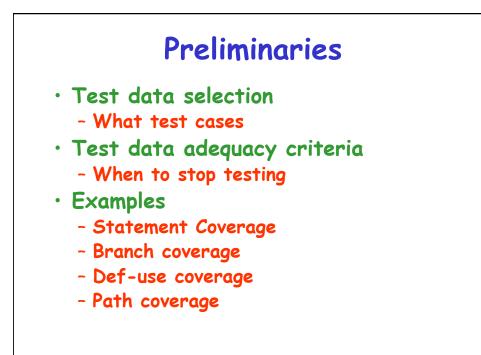


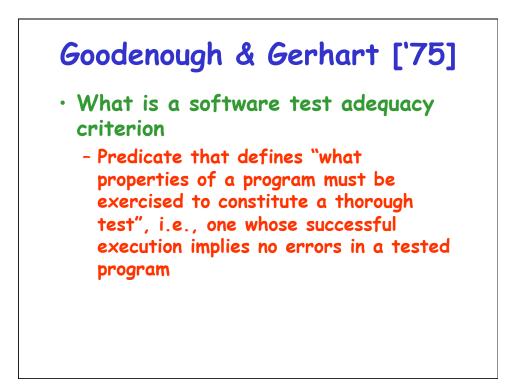


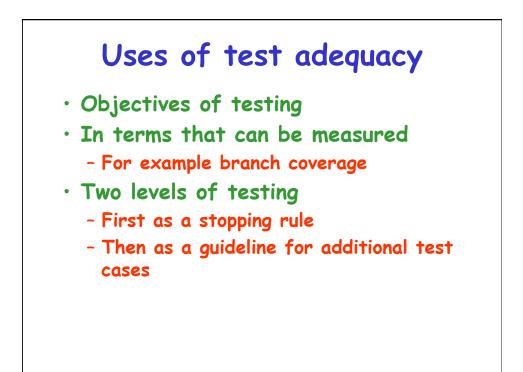


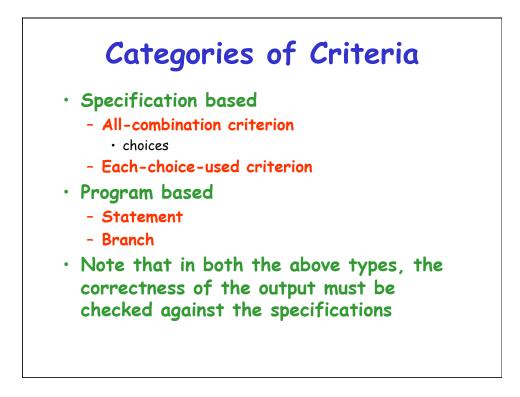












Others

- Random testing
- Statistical testing
- Interface based