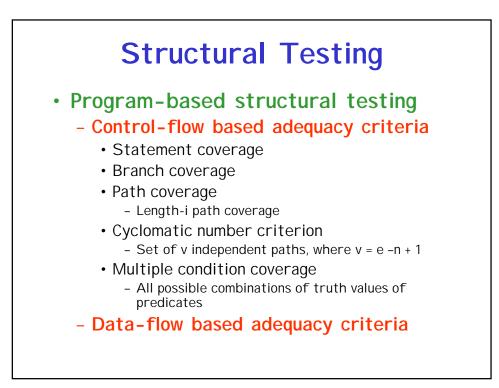
Test Coverage & Adequacy1

Goodenough & Gerhart ['75]

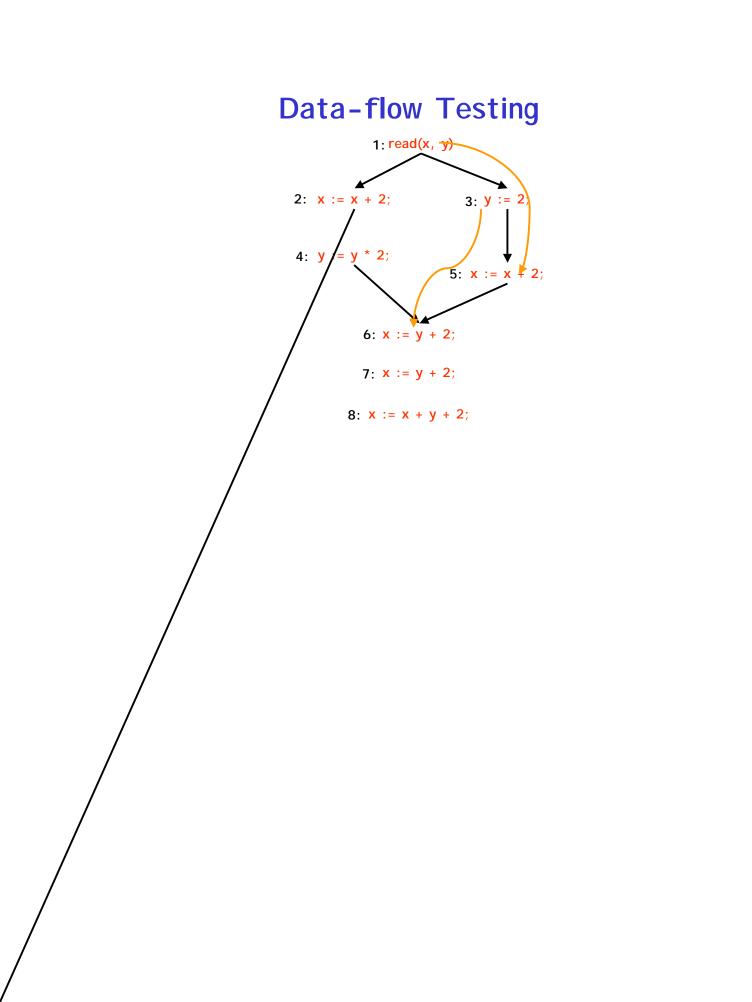
- What is a software test adequacy criterion
 - Predicate that defines "what properties of a program must be exercised to constitute a thorough test", i.e., one whose successful



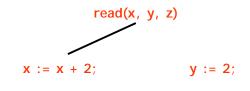
Structural Testing

- Data-flow based adequacy criteria

- All definitions criterion
 - Each definition to some *reachable* use
- All uses criterion
 - Definition to each reachable use
- All def-use criterion



All Uses Criterion



x := x + 2;

x := y + 2;