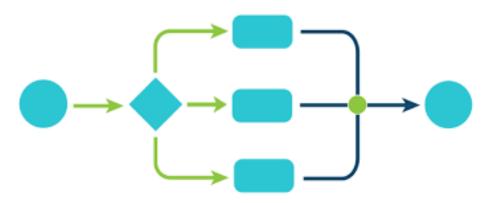
CODE COMPLEXITY TESTING





Cyclomatic Complexity

- Cyclomatic complexity = E N + P
- where,
 - E = number of edges in the flow graph.
 - N = number of nodes in the flow graph.
 - P = number of nodes that have exit points

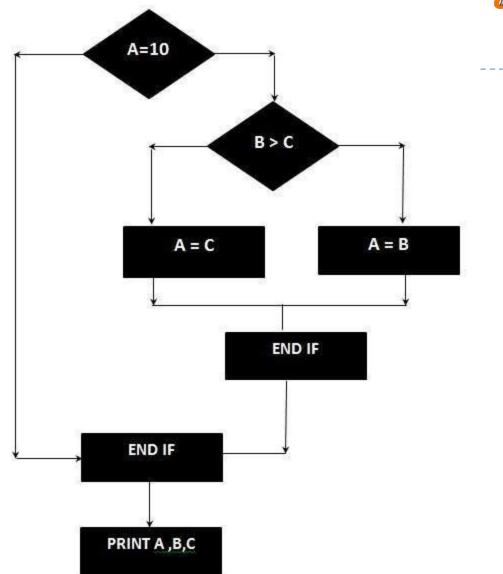






Example

- ► IF A = 10 THEN
- ▶ IF B > C THEN
- ▶ A = B
- ELSE
- A = C
- ENDIF
- **▶** ENDIF
- Print A
- Print B
- Print C



Evaluating Test Adequacy Criteria





Axioms/properties by Weyuker

- Applicability Property
- Nonexhaustive Applicability Property
- Monotonicity Property
- Inadequate Empty Set
- Anti extensionality Property
- General Multiple Change Property
- Anti decomposition Property
- Anticomposition Property
- Renaming Property
- Complexity Property
- Statement Coverage Property





Thank You