Structured Programming Lead to a proof of a-program-is-right

- Any program can be constructed from just 3 structures
 - Sequence, Selection and Iteration
- Functional decomposition
 - Decomposition of a program into a set of small provable functions recursively
 - Restrain or forbid 'goto' statement

Structured Programming Prove the program to be RIGHT

- Mathematical Approach
 - Discipline of proving provable statements true
 - Use Euclidean hierarchy of theorems in the proof
 - Dijkstra tried at 1960s, but couldn't make it
- Scientific Approach
 - Discipline of proving provable statements false
 - Falsifiable but not provable show correctness by failing to prove incorrectness
 - The rescue is TEST
 - Use tests to prove those small provable functions incorrect