Lecture 16 - March 30

Program Verification

Weakest Precondition (WP) WP Rules

Announcements

- Lab3 due tomorrow
 ProgTest2

Sheel of difficient 2 EEUSpelliozz











Program Verification

Rules of wp Calculus





Correctness of Programs: Assignment (1)



Correctness of Programs: Assignment (2)



$$\{??\} \times := x + 1 \{x = 23\}$$



Program Correctness: Revisiting Example (1)



Program Correctness: Revisiting Example (2)



Rules of Weakest Precondition: Conditionals

wp(if B then S1) else S2 end, R) $B \Rightarrow wp(S1, R)$ S









Correctness of Programs: **Conditionals**





Correctness of Programs: Sequential Composition

