

CS313K: Logic, Sets, and Functions

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(Lecture 26)

Announcements

I should add some new rules of inference for set theory.

(a) If $\psi \leftrightarrow \psi'$ then $\{x : \psi\}$ is the same as $\{x : \psi'\}$.

(b) If y is a variable not free in ψ , and $\psi' = \psi / \{x \leftarrow y\}$, then $\{x : \psi\}$ is $\{y : \psi'\}$.

Correction: On page 144, “[u] $_R = \{x \in A : x = u\}$ ” should be “[u] $_R = \{x \in A : R(x, u)\}$ ”.