

Axiom 1. Let v_1, \dots, v_n be variables, $\tau[v_1, \dots, v_n]$ be a term and $\psi_1[v_1]$, $\psi_2[v_1, v_2]$, \dots , $\psi_n[v_1, \dots, v_n]$ and $\varphi[v_1, \dots, v_n]$ be formulas. Assume that the following holds for all x_1, \dots, x_n with $\psi_i[x_1, \dots, x_i]$ for all $i \in \{1, \dots, n\}$: If $\tau[y_1, \dots, y_n] \prec \tau[x_1, \dots, x_n]$ for all y_1, \dots, y_n with $\psi_i[y_1, \dots, y_i]$ for all $i \in \{1, \dots, n\}$ then $\varphi[x_1, \dots, x_n]$. Then $\varphi[x_1, \dots, x_n]$ for all x_1, \dots, x_n with $\psi_i[x_1, \dots, x_i]$ for all $i \in \{1, \dots, n\}$.

Corollary 2. Let A be a class, v be a variable and $\varphi[v]$ be a formula. Assume that the following holds for all $x \in A$: If $\varphi[y]$ for for all $y \in A$ with $y \prec x$ then $\varphi[x]$. Then $\varphi[x]$ for all $x \in A$.