

upward Lowenheim-Skolem theorem

 ${\bf Canonical\ name} \quad {\bf UpwardLowenheim Skolem Theorem}$

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Author Evandar (27) Entry type Theorem Classification msc 03C07 Let L be a first-order language and let \mathcal{A} be an infinite L-structure. Then if κ is a cardinal with $\kappa \geq \operatorname{Max}(|\mathcal{A}|,|L|)$ then there is an L-structure \mathcal{B} such that $|\mathcal{B}| = \kappa$ and $\mathcal{A} \preccurlyeq \mathcal{B}$.