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ON MINIMAL ORDERED STRUCTURES

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Note that if $m \in M_0 \setminus \bigcup_{i \in I}(\mathrm{Lev}^{\alpha}(i) \setminus \mathrm{Lev}(i))$, then both $f x \in M_0$

Dually, if M_0 *satisfies* (MAX)*, then* $U(M_0)$ *is infinite, directed upwards and has no descending chains of order type* $(! + 1)^{¤}$*.*

Proof. Suppose that $M_0 \acute{A} M = (M; <; : : :)$ and $a \; 2 \; M$ is a realization of p.

(1) Firstly, we prove that if $m_1; m_2; : : : ; m_k \; 2 \; L(M_0)$, then there is $n \; 2 \; L(M_0)$ such that $m_1; m_2$

Type(ω) $(M_0; <)$ has no maximal elements, it is directed upwards and has no increasing chains of order type $\omega + 1$.

(2)