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upper bound

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Defines	bound
Defines	lower bound
Defines	bounded
Defines	bounded from above
Defines	bounded from below

Let S be a set with a partial ordering \leq , and let T be a subset of S . An *upper bound* for T is an element $z \in S$ such that $x \leq z$ for all $x \in T$. We say that T is *bounded from above* if there exists an upper bound for T .

Lower bound, and *bounded from below* are defined in a similar manner.