Abstract. A tree $T$ is arbitrarily vertex decomposable if for any sequence $\tau$ of positive integers adding up to the order of $T$ there is a sequence of vertex-disjoint subtrees of $T$ whose orders are given by $\tau$. It is proved that if a tree $T$ is arbitrarily vertex decomposable, then $\Delta(T) \leq 6$.

Keywords: tree, vertex decomposition.

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