

Definition 2.212. [24Z] A set A is said to be **transitive** if these equivalent conditions hold:

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$$\forall x, x \in A \Rightarrow x \subseteq A \quad ,$$

i.e. every element of A is also a subset of A ;

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$$\forall x, \forall y, x \in y \wedge y \in A \Rightarrow x \in A \quad .$$