

Definition 3.189. [24Z] A set A is said to be **transitive** if these equivalent conditions hold:

-

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

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

-

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