

## Sub- and Supersets

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**Definition 0.1.** Let  $A$  be a class. A subset of  $A$  is a subclass of  $A$  that is a set.

Let a superset of  $A$  stand for a superclass of  $A$  that is a set. Let a proper subset of  $A$  stand for a proper subclass of  $A$  that is a set. Let a proper superset of  $A$  stand for a proper superclass of  $A$  that is a set.

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**Definition 0.2.** Let  $A$  be a class. The powerclass of  $A$  is  $\{x \mid x \text{ is a subset of } A\}$ .

Let  $\mathcal{P}(A)$  stand for the powerclass of  $A$ .