

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 .