

# 1 Pairing

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**Axiom 1.1 (Pairing Axiom).** Let  $a, b$  be objects. Then  $\{a, b\}$  is a set.

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**Proposition 1.2.** Let  $a$  be an object. Then  $\{a\}$  is a set.

Let the singleton set of  $a$  stand for the singleton class of  $a$ . Let a singleton set stand for a singleton class.

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**Corollary 1.3.** Let  $A$  be a class that has a unique element. Then  $A$  is a set.