



## Inverse Elements

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### 1 Why

Is the inverse of an element function the element function of a different element?

### 2 Definition

TODO

#### 2.1 Notation

Let  $(A, +)$  be an algebra. Let  $a \in A$ . If the inverse element for  $a$  exists and is unique we denote it by  $a^{-1}$ .



Inverse Elements



Element Functions



Algebras



Operations



Functions



Relations



Ordered Pairs



