

A sample document for the statement filter

1 Mathematical theorems

Example. (a) The set of all prime divisors of 324.
(b) The set of all numbers divisible by 0.
(c) The set of all continuous real-valued functions on the interval $[0, 1]$.
(d) The set of all ellipses with major axis 5 and eccentricity 3.
(e) The set of all sets whose elements are natural numbers less than 20.

Example ([?]). another example

Recursion test. The two following statements are within list items within a Div element.

1.

$X \subseteq Y$ if and only if every element of X is an element of Y .

2.

NAMED PRINCIPLE. This is a named principle with an acronym.

Crossreference test. See (NP) or (Named principle)! And citation syntax (Named principle).

2 More

image

The Axiom of Existence. There exists a set which has no elements.

2.0.1 subsec

Axiome 2.1. If every element of X is an element of Y and every element of Y an element of X then $X = Y$.

Lemme 2.2. *There exists only one set with no elements.*

2.0.2 subsec

Définition 2.3. The (unique) set with no elements is called the empty set and denoted \emptyset .

Démonstration. Immediate from (axiom) and (axiom).

□

2.0.3 subsec

Corollaire 2.0.3.1. *A corollary.*

Named principle. This checks that two statements with the same custom label get different environments.