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Numerals — Requirements

Library Committee
Association of Mizar Users

Summary. This file contains statements which are obvious for Mizar checker if "requirements NUMERALS" is included in the environment description of an article. They are published for testing purposes only. Users should use appropriate requirements instead of referencing to these theorems. Some of these items need also other requirements for proper work. Statements which cannot be expressed in Mizar language are commented out.

MML Identifier: `NUMERALS`.

WWW: `http://mizar.org/JFM/Vol-3/numerals.html`

The articles [3], [1], and [2] provide the notation and terminology for this paper.

One can prove the following propositions:

(1) 0 is an element of $\mathbb{N}$.

(2) 0 is natural.

REFERENCES

[1] Grzegorz Bancerek. Sequences of ordinal numbers. *Journal of Formalized Mathematics*, 1, 1989. `http://mizar.org/JFM/Vol1/ordinal2.html`.

[2] Andrzej Trybulec. Subsets of real numbers. *Journal of Formalized Mathematics*, Addenda, 2003. `http://mizar.org/JFM/Addenda/numbers.html`.

[3] Zinaida Trybulec. Properties of subsets. *Journal of Formalized Mathematics*, 1, 1989. `http://mizar.org/JFM/Vol1/subset_1.html`.

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