Corrections of the Paper
“Definition of the Concept of Natural Numbers and its Existence Theorem. Solution of Hilbert’s Second Problem”

By Yoshifumi Ito,


(1) p.3, ↓1.8~1.9.

(Err.) (I) For the addition by which two elements $m, n \in \mathbb{N}$ correspond to their sum $m + n$, the following (1)~(3) are satisfied:

(Cor.) (I) The sum $m + n$ is defined for every two elements $m, n \in \mathbb{N}$. Then, as for the addition, the following (1)~(3) are satisfied:

(2) p.3, ↓1.15~1.16.

(Err.) (II) For the multiplication by which two elements $m, n \in \mathbb{N}$ correspond to their product $m \cdot n = mn$, the following (1)~(3) are satisfied:

(Cor.) (II) The product $m \cdot n = mn$ is defined for every two elements $m, n \in \mathbb{N}$. Then, as for the multiplication, the following (1)~(3) are satisfied:

(Written on January 30, 2012)