



NATURAL INTEGER ISOMORPHISM

Why

Do the natural numbers correspond (in the sense **Isomorphisms**) to elements of integers.

Main Result

Indeed, the natural numbers correspond to the Z_+ .

Proposition 1. $(\mathbf{Z}_{++}, + \mid \mathbf{Z}_{++})$ and $(\omega, +)$ are isomorphic.

Proof. The function is $f(n) = [(n, 0)]$.¹ □

¹The full account will appear in future editions.

