



INTEGER SUMS

Why

We want sums to follow those of natural numbers.¹

Definition

Consider $[(a, b)], [(b, c)] \in \mathbf{Z}$. We define $[(a, b)] + [(b, c)]$ by $[(a + c, b + d)]$.² We call this the *sum* of the integers.

¹Future editions will modify this.

²One needs to show that this is well-defined. The account will appear in future editions.

