

## lib/algebra/Z-as-integral-domain.ath

```
1 load "integral-domain"
2 load "integer-times"
3
4 define Integer-Ring-1 :=
5   (renaming |{Semigroup.+ := Z.+, MSG.* := Z.*, Monoid.<0> := Z.zero,
6             Group.U- := Z.negate, Group.- := Z.-, MM.<1> := Z.one}|)
7
8 (print-instance-check Integer-Ring-1 Integral-Domain.theory)
```