```
NaturalOrder (N): trait
  % The natural numbers with an ordering
  includes
    Enumerable (N),
    TotalOrder (N)
  asserts ∀ x: N
    x < succ(x)
  implies
    Infinite (N)
    ∀ x, y: N
      0 ≤ x;
      x < succ(y) == x ≤ y;
      succ(x) < succ(y) == x < y
    converts ≤, ≥, <, >
```