```
Natural (N): trait
  % The usual operators on the natural numbers,
  % starting from 0.
  includes
    ArithOps (N),
    DecimalLiterals,
    Exponentiation (N),
    MinMax (N),
    TotalOrder (N)
  introduces
    __ ⊖ __: N, N → N
  asserts
    N generated by 0, succ
    ∀ x, y: N
      succ(x) ≠ 0;
      succ(x) = succ(y) == x = y;
      x < succ(x);
      0 ⊖ x == 0;
      x ⊖ 0 == x;
      succ(x) ⊖ succ(y) == x ⊖ y
  implies
    NaturalOrder
    N generated by 0, 1, +
    ∀ x, y: N
      x ⊖ x == 0;
      x ≤ y == x ⊖ y = 0
   converts 1:→N, +, ⊖, *, div, mod,
       **, min, max, ≤, ≥, <, >
     exempting ∀ x: N
       div(x, 0), mod(x, 0)
```