```
SetBasics (E, C): trait
  % Essential finite-set operators
  introduces
    { }: → C
    insert: E, C → C
    __∈ __: E, C → Bool
  asserts
    C generated by { }, insert
    C partitioned by ∈
    ∀ s: C, e, e1, e2: E
      ¬(e ∈ { });
      e1 ∈ insert(e2, s) == e1 = e2 ∨ e1 ∈ s
  implies
    InsertGenerated ({ } for empty)
    ∀ e, e1, e2: E, s: C
      insert(e, s) ≠ { };
      insert(e, insert(e, s)) == insert(e, s);
      insert(e1, insert(e2, s)) ==
        insert(e2, insert(e1, s))
    converts ∈
```