```
ChoiceBag (E, C): trait
  % A bag with a weakly-specified choose operator
  includes Bag
  introduces
    choose: C → E
    rest: C → C
    isEmpty: C → Bool
  asserts ∀ e, e1: E, b: C
    b ≠ { } ⇒ choose(b) ∈ b;
    b ≠ { } ⇒ rest(b) = delete(choose(b), b);
    isEmpty(b) == b = { }
  implies
    Container (choose for head, rest for tail,
               { } for empty)
    C partitioned by choose, rest, isEmpty
    ∀ e: E, b: C
      b ≠ { } ⇒ b = insert(choose(b), rest(b))
```