```
ElementTest (pass, E, C, T): trait
  % filter collects elements accepted by pass
  assumes InsertGenerated
  introduces
    pass: E, T → Bool
    filter: C, T → C
    allPass: C, T → Bool
    somePass: C, T → Bool
  asserts ∀ c: C, e: E, t: T
    filter(empty, t) == empty;
    filter(insert(e, c), t) ==
        if pass(e, t) then insert(e, filter(c, t))
        else filter(c, t);
    allPass(empty, t);
    allPass(insert(e, c), t) ==
      pass(e, t) ∧ allPass(c, t);
    somePass(c, t) == filter(c, t) ≠ empty
  implies converts filter, somePass, allPass
```