```
switch_inv_theorem2  THM

⊢  ∀E:TaggedEventStruct, P:TraceProperty(E).
   switchable(E)(P) ⇒ ((switch_inv(E) ∧ No-dup-send(E)) fuses P)
  by Unfold ‘trace_property‘ 0 THEN Auto

     THEN Unfold ‘b_switchable‘ (-1) THEN Reduce (-1) THEN ExRepD

     THEN BackThruLemma ‘switch_inv_theorem‘ THEN Auto

     THEN Try (Unfold ‘trace_property‘ 0 THEN Auto)

     THEN Try (BackThruLemma ‘tr_refines_and‘ THEN Auto)

     ...
END
```