```
R_delayable_symmetric  THM

⊢  ∀E:EventStruct, x,y:|E| List.
|  (x delayableR(E) y) ⇒ (y delayableR(E) x)
| by Fold ‘sym‘ 0 THEN Unfold ‘R_delayable‘ 0 THEN Auto

|    THEN BackThruLemma ‘symmetric_swap_adjacent‘ THEN Auto

|    THEN Unfold ‘sym‘ 0 THEN Auto

|    THEN Try (Complete (SplitOrHyps THEN ExRepD THEN SimpConcl))
|
1. E : EventStruct
2. a : |E|
3. b : |E|
4. ¬(a =msg=(E) b)
5. ¬is-send(E)(a) & is-send(E)(b) ∨ is-send(E)(a) & ¬is-send(E)(b)
⊢  ¬(b =msg=(E) a)
  by ParallelOp (-2)
THEN InstLemma ‘event_msg_eq_equiv‘ [E
     ] THENA Auto
THEN UseEquiv
END
```