```
rel_star_monotonic  THM

⊢  ∀T:Type, R1,R2:(T→T→Prop), x,y:T.
   R1 => R2 ⇒ (x (R1^*) y) ⇒ (x (R2^*) y)
  by Auto THEN AssertBY R1^* => R2^*

           (BackThruLemma `rel_star_monotone` THEN Auto)

      THEN Unfold `rel_implies` (-1) THEN BackThruHyp (-1) THEN Auto
END
```