```
linorder_functionality_wrt_iff  THM

⊢  ∀R,R':(T→T→Prop).
|  (∀x,y:T. R(x,y) ⟺ R'(x,y))
|  ⇒
|  (Linorder(T;x,y.R(x,y)) ⟺ Linorder(T;x,y.R'(x,y)))
| by RepD THEN Unfold `linorder` 0
|
1. T : Type
2. R : T→T→Prop
3. R' : T→T→Prop
4. ∀x,y:T. R(x,y) ⟺ R'(x,y)
⊢  Order(T;x,y.R(x,y)) & Connex(T;x,y.R(x,y))
   ⟺
   Order(T;x,y.R'(x,y)) & Connex(T;x,y.R'(x,y))  by RWH (HypC 4) 0
END
```