```
rest_symm_rel  THM

⊢  ∀n:{1...}, m:ℕn, E:(ℕn→ℕn→Prop).
|  Sym x,y:ℕn. x E y ⇒ Sym x,y:ℕm. x E y  by UnivCD
|
1. n : {1...}
2. m : ℕn
3. E : ℕn→ℕn→Prop
4. Sym x,y:ℕn. x E y
⊢  Sym x,y:ℕm. x E y  by Analyze 0
|
5. a : ℕm
⊢  ∀b:ℕm. (a E b) ⇒ (b E a)  by (Unfold `sym` 4) THEN (Analyze 0)
|
4. ∀a,b:ℕn. (a E b) ⇒ (b E a)
5. a : ℕm
6. b : ℕm
⊢  (a E b) ⇒ (b E a)  by (Analyze 0) THEN (InstHyp [a;b] 4)
END
```