```
strict_part_irrefl  THM

⊢  ∀R:(T→T→Prop), a,b:T. strict_part(x,y.R(x,y);a;b) ⇒ ¬a = b
| by Unfolds [‘not‘;‘strict_part‘] 0 THEN RepD
|
1. T : Type
2. R : T→T→Prop
3. a : T
4. b : T
5. R(a,b)
6. ¬R(b,a)
7. a = b
⊢  False  by OnHyps [5;6] (HypSubst 7)
END
```