```
s2  THM

⊢  ∀t:Term. s(t) ↓= SUBX(t; SUBX(f(t); ↑f(t)))  by GenUnivCD
|
1. t : Term
⊢  s(t) ↓= SUBX(t; SUBX(f(t); ↑f(t)))
| by Rewrite
|    Thm* ∀t:Term. s(t) = SUBX(↑t; SUBX(↑f(t); UP(↑f(t))))    {s1}
|    0
|
⊢  SUBX(↑t; SUBX(↑f(t); UP(↑f(t)))) ↓= SUBX(t; SUBX(f(t); ↑f(t)))
| by BackThru
|    Thm* ∀t,r,t',r':Term.
|         t ↓= t' & r ↓= r' ⇒ SUBX(t; r) ↓= SUBX(t'; r')
|    {qsubx_repst}
|
|\
| ⊢  ↑t ↓= t  by BackThru Thm* ∀t:Term. ↑t ↓= t    {up_repst}
|
.\
. ⊢  SUBX(↑f(t); UP(↑f(t))) ↓= SUBX(f(t); ↑f(t))
. | by BackThru
. |    Thm* ∀t,r,t',r':Term.
. |         t ↓= t' & r ↓= r' ⇒ SUBX(t; r) ↓= SUBX(t'; r')
. |    {qsubx_repst}
. |
. ⊢  ↑f(t) ↓= f(t) & UP(↑f(t)) ↓= ↑f(t)  by Analyze 0
. |
. |\
. | ⊢  ↑f(t) ↓= f(t)  by BackThru Thm* ∀t:Term. ↑t ↓= t    {up_repst}
. |
. .\
. . ⊢  UP(↑f(t)) ↓= ↑f(t)
. .   by BackThru Thm* ∀t:Term. UP(↑t) ↓= ↑t    {qup_up_repst}
END
```