```
s1  THM

⊢  ∀t:Term. s(t) = SUBX(↑t; SUBX(↑f(t); UP(↑f(t))))  by GenUnivCD
|
1. t : Term
⊢  s(t) = SUBX(↑t; SUBX(↑f(t); UP(↑f(t))))
| by Assert (s(t) = SUBX(f(t); ↑f(t)))
|
|\
| .....assertion .....
| ⊢  s(t) = SUBX(f(t); ↑f(t))  by Unfold `s` 0
|
.\
. 2. s(t) = SUBX(f(t); ↑f(t))
. ⊢  s(t) = SUBX(↑t; SUBX(↑f(t); UP(↑f(t))))  by Unfold `subx` 2
. |
. 2. s(t) = f(t)[↑f(t)/X]
. ⊢  s(t) = SUBX(↑t; SUBX(↑f(t); UP(↑f(t))))
. | by ComputeWithTaggedTerm (s(t) = [ 0: f(t) ][↑f(t)/X]) 2
. |
. 2. s(t) = SUBX(↑t; SUBX(X; UP(X)))[↑f(t)/X]
. ⊢  s(t) = SUBX(↑t; SUBX(↑f(t); UP(↑f(t))))
. | by Repeat (ComputeOpid `term_subst` 2)
. |
. 2. s(t) = SUBX((↑t)[↑f(t)/X]; SUBX(↑f(t); UP(↑f(t))))
. ⊢  s(t) = SUBX(↑t; SUBX(↑f(t); UP(↑f(t))))
. | by Assert ((↑t)[↑f(t)/X] = ↑t)
. |
. |\
. | .....assertion .....
. | ⊢  (↑t)[↑f(t)/X] = ↑t
. |   by BLemmaWithUnfolds [`term_closed`]
. |      Thm* ∀t:Term. closed(t)    {up_term_closed}
. |
. .\
. . 3. (↑t)[↑f(t)/X] = ↑t
. . ⊢  s(t) = SUBX(↑t; SUBX(↑f(t); UP(↑f(t))))  by HypSubst 3 2
END
```