```
s2  THM

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