```
qsubx_repst  THM

⊢  ∀t,r,t',r':Term. t ↓= t' & r ↓= r' ⇒ SUBX(t; r) ↓= SUBX(t'; r')
| by GenUnivCD
|
1. t : Term
2. r : Term
3. t' : Term
4. r' : Term
5. t ↓= t'
6. r ↓= r'
⊢  SUBX(t; r) ↓= SUBX(t'; r')  by OnHyps [0;5;6] (Unfold `repst`)
|
5. t ↓= t'
6. r ↓= r'
⊢  SUBX(t; r) ↓= SUBX(t'; r')  by OnHyps [0;5;6] (Unfold `reps`)
|
5. t ↓∈ Term & ↓t = t'
6. r ↓∈ Term & ↓r = r'
⊢  SUBX(t; r) ↓∈ Term & ↓SUBX(t; r) = SUBX(t'; r')
| by OnHyps [6;5;0] Analyze
|
|\
| 5. t ↓∈ Term
| 6. ↓t = t'
| 7. r ↓∈ Term
| 8. ↓r = r'
| ⊢  SUBX(t; r) ↓∈ Term
|   by BackThru
|      Thm* ∀t,r:Term. t ↓∈ Term & r ↓∈ Term ⇒ SUBX(t; r) ↓∈ Term
|      {qsubx_termin}
|
.\
. 5. t ↓∈ Term
. 6. ↓t = t'
. 7. r ↓∈ Term
. 8. ↓r = r'
. 9. SUBX(t; r) ↓∈ Term
. ⊢  ↓SUBX(t; r) = SUBX(t'; r')  by ComputeOpid `down` 0
. |
. ⊢  SUBX(↓t; ↓r) = SUBX(t'; r')  by HypSubst 6 0 THEN HypSubst 8 0
END
```