```
qup_up_repst  THM

⊢  ∀t:Term. UP(↑t) ↓= ↑t  by GenUnivCD
|
1. t : Term
⊢  UP(↑t) ↓= ↑t  by Unfold ‘repst‘ 0 THEN Unfold ‘reps‘ 0
|
⊢  UP(↑t) ↓∈ Term & ↓UP(↑t) = ↑t  by Analyze 0
|
|\
| ⊢  UP(↑t) ↓∈ Term
| | by BackThru
| |    Thm* ∀t:Term. t ↓∈ Term ⇒ UP(t) ↓∈ Term    {qup_termin}
| |
| ⊢  ↑t ↓∈ Term  by BackThru Thm* ∀x:Term. ↑x ↓∈ Term    {up_termin}
|
.\
. 2. UP(↑t) ↓∈ Term
. ⊢  ↓UP(↑t) = ↑t  by ComputeOpid ‘down‘ 0
. |
. ⊢  ↑↓↑t = ↑t  by Rewrite Thm* ∀t:Term. ↓↑t = t    {down_up} 0
END
```