```
neg_assoced  THM

⊢  ∀a:ℤ. (-a) ∼ a  by (Unfold ‘assoced‘ 0) THEN GenRepD
|
|\
| 1. a : ℤ
| ⊢  -a | a
|   by (RWH
|       (RevLemmaC Thm* ∀a,b:ℤ. a | b ⟺ -a | b    {divides_invar_1})
|       0)
|      THEN
|      (BackThru Thm* ∀a:ℤ. a | a    {divides_reflexivity})
|
.\
. 1. a : ℤ
. ⊢  a | -a
.   by (RWH
.       (RevLemmaC Thm* ∀a,b:ℤ. a | b ⟺ a | -b    {divides_invar_2})
.       0)
.      THEN
.      (BackThru Thm* ∀a:ℤ. a | a    {divides_reflexivity})
END
```