```
assoced_transitivity  THM

⊢  ∀a,b,c:ℤ. (a ∼ b) ⇒ (b ∼ c) ⇒ (a ∼ c)
| by Unfold ‘assoced‘ 0 THEN GenRepD
|
|\
| 1. a : ℤ
| 2. b : ℤ
| 3. c : ℤ
| 4. a | b
| 5. b | a
| 6. b | c
| 7. c | b
| ⊢  a | c  by RelRST
|
.\
. 1. a : ℤ
. 2. b : ℤ
. 3. c : ℤ
. 4. a | b
. 5. b | a
. 6. b | c
. 7. c | b
. ⊢  c | a  by RelRST
END
```