```
lang_eq_transitivity  THM

⊢  ∀L,M,N:LangOver(Alph). L = M ⇒ M = N ⇒ L = N
| by Unfold ‘languages‘ 0 THEN Unfold ‘lang_eq‘ 0 THEN UnivCD
|
1. Alph : Type
2. L : Alph*→Prop
3. M : Alph*→Prop
4. N : Alph*→Prop
5. ∀l:Alph*. L(l) ⟺ M(l)
6. ∀l:Alph*. M(l) ⟺ N(l)
7. l : Alph*
⊢  L(l) ⟺ N(l)  by RWH (HypC 5) 0
|
⊢  M(l) ⟺ N(l)  by RWH (HypC 6) 0
END
```