```
eq_lbl_iff  THM

⊢  ∀l1,l2:Label. l1 =1 l2 ⟺ l1 = l2  by Auto
|
|\
| 1. l1 : Label
| 2. l2 : Label
| 3. l1 =1 l2
| ⊢  l1 = l2  by FwdThruLemma ‘assert_eq_label‘ [(-1)] THEN Auto
|
.\
. 1. l1 : Label
. 2. l2 : Label
. 3. l1 = l2
. ⊢  l1 =1 l2  by Subst l1 ∼ l2 0 THEN Auto
. |
. 1. l1 : Label
. 2. l2 : Label
. 3. l1 = l2
. ⊢  l2 =1 l2  by EqLblReflexive 0 THEN Trivial
END
```