```
assert_eq_label  THM

⊢  ∀l1,l2:Label. l1 =l l2 ⇒ l1 = l2  by Auto
|
1. l1 : Label
2. l2 : Label
3. l1 =l l2
⊢  l1 = l2
| by ...
|
1. l1 : Label
2. l2 : Label
3. l1 =l l2
4. l1 = l2
⊢  l1 = l2  by Subst l1 ~ l2 0
|
|\
| .....equality .....
| 1. l1 : Label
| 2. l2 : Label
| 3. l1 =l l2
| 4. l1 = l2
| ⊢  l1 ~ l2  by D 1 THEN D 3 THEN Auto
|
.\
. 1. l1 : Label
. 2. l2 : Label
. 3. l1 =l l2
. 4. l1 = l2
. ⊢  l2 = l2  by Auto
END
```