```
eq_cons_imp_eq_hds  THM

⊢  ∀a,b:A, as,bs:A List. a.as = b.bs ⇒ a = b  by RepD
|
1. A : Type
2. a : A
3. b : A
4. as : A List
5. bs : A List
6. a.as = b.bs
⊢  a = b  by Assert (a.as = b.bs)
|
|\
| .....assertion .....
| ⊢  a.as = b.bs  by Analyze
|
.\
. 7. a.as = b.bs
. ⊢  a = b  by ApFunToHypEquands ‘z’ hd(z) A 7
. |
. |\
. | 8. z : {cs:(A List)| ||cs||≥1 }
. | ⊢  ||z||≥1  by Analyze 8
. |
. .\
. . 8. hd((a.as)) = hd((b.bs))
. . ⊢  a = b  by Reduce 8
END
```