```
cons_one_one  THM

⊢  ∀T:Type, a,a':T, b,b':T List.
|  [a / b] = [a' / b'] ⟺ a = a' & b = b'
| by Unfold `guard` 0 THEN Auto
|
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| 1. T : Type
| 2. a : T
| 3. a' : T
| 4. b : T List
| 5. b' : T List
| 6. [a / b] = [a' / b']
| ⊢  a = a'
|   by ApFunToHypEquands `lst' if 0<₂||lst||→ hd(lst) else a fi T
|        (-1) THENA (Try SplitOnConclITE THEN Auto) THEN Reduce (-1)
|
|      ...
|
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| 1. T : Type
| 2. a : T
| 3. a' : T
| 4. b : T List
| 5. b' : T List
| 6. [a / b] = [a' / b']
| ⊢  b = b'
|   by ApFunToHypEquands `lst' if 0<₂||lst||→ tl(lst) else b fi T List
|        (-1) THENA (Try SplitOnConclITE THEN Auto) THEN Reduce (-1)
|
|      ...
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. 1. T : Type
. 2. a : T
. 3. a' : T
. 4. b : T List
. 5. b' : T List
. 6. a = a'
. 7. b = b'
. ⊢  [a / b] = [a' / b']  by Obvious
END
```