```
hd_append_front  THM

⊢  ∀l,m:T*. ||l||>0 ⇒ hd((l @ m)) = hd(l)  by UnivCD
|
1. T : Type
2. l : T*
3. m : T*
4. ||l||>0
⊢  hd((l @ m)) = hd(l)
| by RWH (LemmaC Thm* ∀l:T*. ||l||>0 ⇒ hd(l) = l[0]    {hd_select})
|    0
|
⊢  (l @ m)[0] = l[0]
  by RWH
     (LemmaC
      Thm* ∀as,bs:T*, i:ℕ||as||. (as @ bs)[i] = as[i]
      {select_append_front})
     0
END
```