```
hd_map  THM

⊢  ∀l:A*, f:(A→B). ||l||>0 ⇒ hd(map(f;l)) = f(hd(l))  by UnivCD
|
1. A : Type
2. B : Type
3. l : A*
4. f : A→B
5. ||l||>0
⊢  hd(map(f;l)) = f(hd(l))
| by RWH (LemmaC Thm* ∀l:T*. ||l||>0 ⇒ hd(l) = l[0]    {hd_select})
|     0
|
⊢  map(f;l)[0] = f(l[0])
  by RWH
     (LemmaC
      Thm* ∀f:(A→B), as:A*, n:ℕ||as||. map(f;as)[n] = f(as[n])
      {map_select})
     0
END
```