```
hd_l_interval  THM

⊢  ∀T:Type, l:T List, i:ℕ||l||, j:ℕi. hd(l_interval(l;j;i)) = l[j]
| by UnivCD
|    THEN
|    Subst (hd(l_interval(l;j;i)) ∼ l_interval(l;j;i)[0]) 0
|
|\
| .....equality .....
| 1. T : Type
| 2. l : T List
| 3. i : ℕ||l||
| 4. j : ℕi
| ⊢  hd(l_interval(l;j;i)) ∼ l_interval(l;j;i)[0]
|   by Unfold `select` 0 THEN Reduce 0
|
.\
. 1. T : Type
. 2. l : T List
. 3. i : ℕ||l||
. 4. j : ℕi
. ⊢  l_interval(l;j;i)[0] = l[j]
.   by RWO
.      Thm* ∀l:T List, i:ℕ||l||, j:ℕ(i+1), x:ℕ(i-j).
.           l_interval(l;j;i)[x] = l[(j+x)]
.      {select_l_interval}
.      0
END
```