Lift Operations from ST to HOL

- Define:

```
Nil = List2numlist True

Cons x l =
  List2numlist⟨num2Num x, numlist2List l⟩

Hd l = Num2num(Fst(numlist2List l))

Tl l = List2numlist(Snd(numlist2List l))
```

- Lift theorems from ST to HOL to get:

```
∀x l. Hd(Cons x l) = x

∀x l. Tl(Cons x l) = l

∀x1 x2 l1 l2.
   (Cons x1 l1 = Cons x2 l2) =
    (x1 = x2) ∧ (l1 = l2)

∀x l. ¬(Cons x l = Nil)

∀P. P Nil ∧
      (∀l. P l ⇒ ∀x. P(Cons x l))
       ⇒
       ∀l. P l
```