```
-- a) Reglas de tipado
                     \Gamma \vdash M1 : t \Gamma \vdash M2 : [t]
 ___t-vacia
                       t-lista
                    Γ ⊢ M1 :: M2 : [t]
Γ ⊢ []t: [t]
\Gamma \vdash M : [t] \Gamma \vdash M : [t] _____t-head ____t-tail
t-head t-t-tail(M): [t]
-- b) Valores:
V ::= ... | []t | V :: V
-- Reglas de Reducción:
M -> M'
____e-head2
head(V1 :: V2 :: V3) \rightarrow if V1 < V2 then <math>head(V1 :: V3)
                            else head(V2 :: V3)
   M -> M'
_____e-tail1 ____e-tail(M') tail(V::[]t) -> []t
                            ____e-tail2
tail(V1 :: V2 :: V3) -> if V1 < V2 then V2 :: tail(V1 :: V3)
                            else V1 :: tail(V2 :: V3)
c) head ((\lambda x: Nat. 2) Zero :: 1 :: []nat) --> e-head1, \beta, e-lista1
  head(2 :: 1 :: []nat) --> e-head3
  if 2 < 1 then head(2 :: []nat) else head(1 :: []nat) --> if-false
  head(1 :: []nat) --> e-head2
  1.
```