```
data Term = Var String -- variable
 | Lambda String Term -- abstraction
  | Application Term Term -- application
 deriving (Show, Eq)
-- [x \rightarrow s]y
subst :: Term -> Term -> Term
-- variable case
subst (Var x) s (Var y) = if x == y
 then s
 else (Var y)
-- application case
subst x s (Application t1 t2) = Application (subst x s t1) (subst x s t2)
-- abstraction case
subst a@(Var x) b c@(Lambda y t) = if x == y
 then c
 else Lambda y (subst a b t)
isValue :: Term -> Bool
isValue (Lambda _ _) = True
isValue _ = False
eval1 :: Term -> Maybe Term
-- E_APPABS: (Lx.t)v -> [x->v]t
eval1 (Application (Lambda x t) v2) = if isValue v2
 then Just (subst (Var x) v2 t)
 else Nothing
eval1 (Application t1 t2) = if isValue t1
 then case (eval1 t2) of -- E_APP2
      Just t -> Just (Application t1 t)
      otherwise -> Nothing
 else case (eval1 t1) of -- E_APP1
      Just t -> Just (Application t t2)
      otherwise -> Nothing
eval1 _ = Nothing
eval :: Term -> Term
eval t = case (eval1 t) of
 Just t' -> eval t'
 Nothing -> t
```