fun even x = (print "in even
  
if x=0 then true else odd (x-1))
and odd x = (print "in odd
  
if x=0 then false else even (x-1))

val a1 = odd 7
val _ = print "\n"

(* does not change behavior of odd -- which is too bad *)
fun even x = (x mod 2) = 0

val a2 = odd 7
val _ = print "\n"

(* does not change behavior of odd -- which is good *)
fun even x = false

val a3 = odd 7
val _ = print "\n"