4} (value-of <<-(-(z, 3), -(y, z))>>  $\rho$ 1)

5} (-(z, 3)) 6} -(y, z)

```
Expression
                         if Expression then Expression else Expression
                    if Zero-exp (Expression) then Expression else Expression
         if Zero-exp (Diff-exp (Expression, Expression)) then Expression else Expression
          if Zero-exp (Diff-exp (Identifier, Expression)) then Expression else Expression
           if Zero-exp (Diff-exp (Identifier, Const-exp)) then Expression else Expression
if Zero-exp (Diff-exp (Identifier, Const-exp)) then Diff-exp (Expression, Expression) else Expression
           ______
 if Zero-exp (Diff-exp (Identifier, Const-exp)) then Diff-exp (Identifier, Expression) else Expression)
            ------
 if Zero-exp (Diff-exp (Identifier, Const-exp)) then Diff-exp (Identifier, Const-exp) else Expression
   if Zero-exp (Diff-exp (Identifier, Const-exp)) then Diff-exp (Identifier, Const-exp) else Diff-exp
                                   (Expression, Expression)
   if Zero-exp (diff-exp (Identifier, Const-exp)) then Diff-exp (Identifier, Const-exp) else Diff-exp
                                     (Identifier, Expression)
     if Zero-exp (diff-exp (20, 12)) then Diff-exp (Identifier, Const-exp) else Diff-exp (Identifier,
                                          Expression)
      if Zero-exp (8) then Diff-exp (Identifier, Const-exp) else Diff-exp (Identifier, Expression)
           if #f then Diff-exp (Identifier, Const-exp) else Diff-exp (Identifier, Expression)
                  if #f then Diff-exp (10, 3) else Diff-exp (Identifier, Expression)
                         if #f then 7 else Diff-exp (Identifier, Expression)
                                if #f then 7 else Diff-exp (20, 15)
                                       if #f then 7 else 5
                                               5
B)
1} ρ1
2 [x = 12] \rho0
3} (expval->bool (zero? (value-of << -(x, 12) >> p1 ))
   (expval->bool (zero? ( -
              (exp-val (value-of<<x>> \rho1))
              (exp-val (value-of<<12>> ρ1))
```