

$(B \rho) \longrightarrow B$	[p-bool]
$(N \rho) \longrightarrow N$	[p-num]
$(CH \rho) \longrightarrow CH$	[p-str]
$(O \rho) \longrightarrow O$	[p-op]
$((M_1 M_2) \rho)$	[p-app]
$\longrightarrow ((M_1 \rho) (M_2 \rho))$	
$((M :: T) \rho) \longrightarrow ((M \rho) :: T)$	[p-asc]
$((\text{mlet } (X T) = M_1 \text{ in } M_2) \rho)$	[p-let]
$\longrightarrow (\text{mlet } (X T) = (M_1 \rho) \text{ in } (M_2 \rho))$	
$(X \rho) \longrightarrow W$	[p-x]
where $\text{lookup2 } \llbracket \rho, X, W \rrbracket,$ $\text{construirEnvCond } \llbracket \rho \rrbracket$	
$((\lambda (X T) M) \rho) W$	[app]
$\longrightarrow (\text{subst } \llbracket (X W), M \rrbracket \rho)$	
$((X_1 \rho_1) (X_2 \rho_2)) \longrightarrow (W_1 W_2)$	[app11]
where $\text{lookup3 } \llbracket \rho_1, X_1, W_1, T_1 \rrbracket,$ $\text{lookup4 } \llbracket \rho_2, X_2, T_1, W_2 \rrbracket$	
$((\lambda (X T) M) \rho) (X_2 \rho_2)$	[app12]
$\longrightarrow ((\lambda (X T) M) \rho) W_2$	
where $\text{lookup4 } \llbracket \rho_2, X_2, T, W_2 \rrbracket$	
$((X_1 \rho_1) W_2) \longrightarrow (W_1 W_2)$	[app13]
where $\text{lookup5 } \llbracket \rho_1, X_1, W_1 \rrbracket$	
$(OB W \dots) \longrightarrow W_1$	[δB]
where $\delta B \llbracket (OB W \dots), W_1 \rrbracket$	
$(ON W \dots) \longrightarrow W_1$	[δN]
where $\delta N \llbracket (ON W \dots), W_1 \rrbracket$	
$(OB (X_2 \rho_2)) \longrightarrow W_2$	[δB1]
where $\text{lookup4 } \llbracket \rho_2, X_2, \text{bool}, W_1 \rrbracket,$ $\delta B \llbracket (OB W_1), W_2 \rrbracket$	
$(ON (X_2 \rho_2)) \longrightarrow W_2$	[δN1]
where $\text{lookup4 } \llbracket \rho_2, X_2, \text{num}, W_1 \rrbracket,$ $\delta N \llbracket (ON W_1), W_2 \rrbracket$	
$(W :: T) \longrightarrow W$	[asc]
$((X \rho) :: T) \longrightarrow W$	[asc11]
where $\text{lookup4 } \llbracket \rho, X, T, W \rrbracket$	
$(\text{mlet } (X T) = W \text{ in } (M \rho))$	[let]
$\longrightarrow (M \text{ ext } \llbracket \rho, (X (T W)) \rrbracket)$	
$(\text{mlet } (X T) = (X_1 \rho_1) \text{ in } (M \rho))$	[let11]
$\longrightarrow (M \text{ ext } \llbracket \rho, (X (T W)) \rrbracket)$	
where $\text{lookup4 } \llbracket \rho_1, X_1, T, W \rrbracket$	