$((B\ \rho)\ I) \longrightarrow B$ [ρ-bool]

$((N\ \rho)\ I) \longrightarrow N$ [ρ-num]

$((CH\ \rho)\ I) \longrightarrow CH$ [ρ-str]

$((O\ \rho)\ I) \longrightarrow O$ [ρ-op]

$(((\lambda\ (X\ T)\ M)\ \rho)\ I) \longrightarrow ((\lambda\ (X\ T)\ M)\ \rho)$ [ρ-abs]

$(((M_1\ M_2)\ \rho)\ I) \longrightarrow (((M_1\ \rho)\ (M_2\ \rho))\ I)$ [ρ-app]

$(((M :: T)\ \rho)\ I) \longrightarrow (((M\ \rho) :: T)\ I)$ [ρ-asc]

$(((\text{mlet}\ (X\ T) = M_1\ \text{in}\ M_2)\ \rho)\ I) \longrightarrow ((\text{mlet}\ (X\ T) = (M_1\ \rho)\ \text{in}\ (M_2\ \rho))\ I)$ [ρ-let]

$((X\ \rho)\ I) \longrightarrow W$ [ρ-x]
where lookup2 $[\![\rho, X, I, W]\!]$, construirEnvCond $[\![\rho]\!]$

$((((\lambda\ (X\ T)\ M)\ \rho)\ W)\ I) \longrightarrow ((\text{subst}\ [\![(X\ W), M]\!]\ \ \rho)\ I)$ [app]

$((OB\ W\ ...)\ I) \longrightarrow W_1$ [δB]
where δB $[\![(OB\ W\ ...), W_1]\!]$

$((ON\ W\ ...)\ I) \longrightarrow W_1$ [δN]
where δN $[\![(ON\ W\ ...), W_1]\!]$

$((W :: T)\ I) \longrightarrow W$ [asc]

$((\text{mlet}\ (X\ T) = W\ \text{in}\ (M\ \ \rho))\ I) \longrightarrow ((M\ \text{ext}\ [\![\rho, (X\ (T\ W))]\!])\ I)$ [let]

$((\text{mlet}\ (X\ T) = C_1\ \text{in}\ C_2)\ I)$ [let$_1$]
$\longrightarrow ((\text{mlet}\ (X\ T) =\ \text{configuration}\ [\![\texttt{(apply-reduction-relation vρ}\ (C_1\ T)\texttt{)}]\!]\ \ \text{in}\ C_2)\ I)$
where `(not (is-value? ` C_1 `))`,
novacio? $[\![$ `(apply-reduction-relation vρ` $(C_1\ T)$ `)` $]\!]$

$((C :: T)\ I)$ [asc$_1$]
$\longrightarrow ((\text{configuration}\ [\![\texttt{(apply-reduction-relation vρ}\ (C\ T)\texttt{)}]\!]\ \ :: T)\ T)$
where `(not (is-value? ` C `))`,
novacio? $[\![$ `(apply-reduction-relation vρ` $(C\ T)$ `)` $]\!]$

$((C_1\ C_2)\ I)$ [app$_1$]
$\longrightarrow ((\text{configuration}\ [\![\texttt{(apply-reduction-relation vρ}\ (C_1\ (\rightarrow\ *\ I))\texttt{)}]\!]\ \ C_2)\ I)$
where `(not (is-value? ` C_1 `))`,
novacio? $[\![$ `(apply-reduction-relation vρ` $(C_1\ (\rightarrow\ *\ I))$ `)` $]\!]$

$((((\lambda\ (X\ T)\ M)\ \rho)\ C_2)\ I)$ [app$_2$]
$\longrightarrow ((((\lambda\ (X\ T)\ M)\ \rho)\ \text{configuration}\ [\![\texttt{(apply-reduction-relation vρ}\ (C_2\ T)\texttt{)}]\!])\ \ I)$
where `(not (is-value? ` C_2 `))`,
novacio? $[\![$ `(apply-reduction-relation vρ` $(C_2\ T)$ `)` $]\!]$

$((O\ C_2)\ I)$ [app$_{2O}$]
$\longrightarrow ((O\ \text{configuration}\ [\![\texttt{(apply-reduction-relation vρ}\ (C_2\ \text{typi}\ [\![O]\!])\texttt{)}]\!])\ \ I)$
where `(not (is-value? ` C_2 `))`,
novacio? $[\![$ `(apply-reduction-relation vρ` $(C_2\ \text{typi}\ [\![O]\!])$ `)` $]\!]$