Topis in Corcumercy Ou2.

Thus Ta (¿ Gi) ~ ¿ Ta(ti).

(2, E;) u p, E' If (3, E; u p, E')

If 2, E; u p, E'

If 2, E; u p, E'

If 2(E:u) p, E'

Thus (¿ti) u ~ ¿(tiu).

 $\begin{bmatrix}
\xi(i) > y \Rightarrow u
\end{bmatrix} \xrightarrow{2} u' \quad \text{if } \quad \xi(i) \Rightarrow \xi' \in u[\xi'/y] \xrightarrow{2} u' \\
\text{if } \exists j : \quad t_j \rightarrow \xi' \in u[\xi'/y] \xrightarrow{2} u' \\
\text{if } \exists j : \quad \xi_j \Rightarrow u
\end{bmatrix} \xrightarrow{2} u' \\
\text{if } \quad \xi[\xi_j > y \Rightarrow u] \xrightarrow{2} u' \\
\text{Thus } \quad [\xi(i) > y \Rightarrow u] \qquad \xi[\xi(i) > y \Rightarrow u
\end{bmatrix}.$

Let a lave type a. 0 + 6.0.

(a. nil + 6. nil) of .a. nil + .b. nil

as les - a. nil + b. nil

while the - a. nil or the - b. nil.

Nexter a. nil nor b. nil is birmilar

to a. nil + 6. nil. Here .x is not

linear in x.

(4) For CCS, tele

$$P = \tau \cdot P + \sum_{a \in A} P + \sum_{\bar{a} \in A} P + \sum_{\bar{a} \in A} P$$

where a range over the wa- τ achors $g \in S$.

 $Par : P \rightarrow (P \rightarrow P)$

is defined by

Par = recfl.
$$\lambda \times_{3}\lambda \times_{3}\lambda$$

Mere d, s comp are all ces actions while a varys are non- t actions

 $\left[X > a.x = \sum Y > \overline{a}.y = \sum \overline{c} \cdot Pl(x,y) \right]$

(5) (a) (Late 'velue-parity:

$$P = \tau.P + \sum_{\alpha} \sum_{v \in V} P + \sum_{\alpha} \sum_{v \in V} P$$

or (early) volue parity

 $P = \tau.P + \sum_{\alpha} \sum_{v \in V} P + \sum_{\alpha} \sum_{v \in V} P$
 q,v

(b) $P = \tau.P + \sum_{\alpha} \sum_{v \in V} P + \sum_{\alpha} \sum_{v \in V} P$

the PLP abbrecates $P = P + \sum_{\alpha} P$