v -permutation

(provided the RHS is a derivation)

## **I**-permutation

(provided the RHS is a derivation)

We remark that (given the reductions) the existence of Prawitz' V-expansion and V-permutation is equivalent to the existence of the following form of V-expansion:

(And analogously for  $\ensuremath{\mathtt{I}}$  ; we shall henceforth use these stronger forms of