~~theo~~

THEORM: VAL* / DIV/0* / ATM*
preservation

let e VAL*
e → e'
then e' VAL*

} like wise for DIV/0*, ATM*

PROOF

then we have
(∵ determinancy & termination of →)

$e \to e' \to \ldots e_n$

where e_n VAL
then by def. e' VAL*

QED