NAME
ldiv, lrem - long division
SYNOPSIS
Idiv(hidividend, lodividend, divisor)
Irem(hidividend, lodividend, divisor)

## DESCRIPTION

The concatenation of the signed 16 -bit hidividend and the unsigned 16 -bit lodividend is divided by divisor. The 16 -bit signed quotient is returned by ldiv and the 16 -bit signed remainder is returned by lrem. Divide check and erroneous results will occur unless the magnitude of the divisor is greater than that of the high-order dividend.
An integer division of an unsigned dividend by a signed divisor may be accomplished by quo $=\operatorname{ldiv}(0$, dividend, divisor $) ;$
and similarly for the remainder operation.
Often both the quotient and the remainder are wanted. Therefore ldiv leaves a remainder in the external cell ldivr.

BUGS
No divide check check.

