

NAME

hypot – calculate hypotenuse

SYNOPSIS

jsr **r5,hypot**

DESCRIPTION

The square root of $fr0*fr0 + fr1*fr1$ is returned in $fr0$. The calculation is done in such a way that overflow will not occur unless the answer is not representable in floating point.

DIAGNOSTICS

The c-bit is set if the result cannot be represented.

BUGS