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**NAME**

exp − exponential function

**SYNOPSIS**

**jsr        pc,exp**

**double exp(x)**
**double x;**

**DESCRIPTION**

The exponential of fr0 is returned in fr0.  From C, the exponential of *x* is returned.

**DIAGNOSTICS**

If the result is not representable, the c-bit is set and the largest positive number is returned. From C, no diagnostic is available.

Zero is returned if the result would underflow.

**BUGS**