

**NAME**

exp – exponential function

**SYNOPSIS**

```
jsr      r5,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**