NAME

gamma – log gamma function

SYNOPSIS

jsr   pc,gamma

double gamma(x)
double x;

DESCRIPTION

If *x* is passed (in fr0) *gamma* returns ln $|\Gamma(x)|$ (in fr0). The sign of $\Gamma(x)$ is returned in the external integer *signgam.* The following C program might be used to calculate Γ:

```
y = gamma(x);
if (y > 88.)
        error( );
y = exp(y);
if(signgam)
        y = −y;
```

DIAGNOSTICS

The c-bit is set on negative integral arguments and the maximum value is returned. There is no error return for C programs.

BUGS

No error return from C.