NAME

dp_mul -- double precision multiply

SYNOPSIS

```
int *dp_mul(radix) int radix;
```

DESCRIPTION

This subroutine multiplies a double-precision number, stored in the external variable, WORD, by a single-precision number, radix. The address of WORD is returned by this function, unless an error is detected. In this case a 0 is returned by this subroutine and appropriate error information is returned in the external variables, E_SPCL, E_TYPE, E_CODE, E_NUM, and E_MSG.

DP_MUL has one argument, radix, which specifies the base of the number contained in WORD.

The global variables used are:

```
char *E_SPCL;
char *E_TYPE;
char *E_CODE;
char *E_NUM;
char *E_MSG;
int  WORD[2];
```

The error information returned:

```
E_SPCL=  "?D";
E_TYPE=  "  ";
E_CODE=  "LIB";
E_NUM=   "001";
E_MSG=   "PRODUCT LARGER THAN 32 BITS.";
```

LIBRARY

/lib/lib1.a

SEE ALSO

binary(3L)

DIAGNOSTICS

BUGS