

# NAG Library Routine Document

## X02BEF

**Note:** before using this routine, please read the Users' Note for your implementation to check the interpretation of *bold italicised* terms and other implementation-dependent details.

### 1 Purpose

X02BEF returns the maximum number of decimal digits which can be accurately represented over the whole range of floating-point numbers.

### 2 Specification

```
FUNCTION X02BEF (X)
INTEGER X02BEF
REAL (KIND=nag_wp) X
```

### 3 Description

None.

### 4 References

None.

### 5 Arguments

1: X – REAL (KIND=nag\_wp) *Dummy*

### 6 Error Indicators and Warnings

None.

### 7 Accuracy

None.

### 8 Parallelism and Performance

X02BEF is not threaded in any implementation.

### 9 Further Comments

None.

### 10 Example

See Section 10 in X02AJF.

---