SEED

PURPOSE
Specify the seed for random number generation. The seed should be a positive integer number (real numbers are truncated to integer values).

DESCRIPTION
Each distinct seed generates a different sequence of random numbers (the seed allows the random number generator to duplicate the same sequence of random numbers). The following should be noted in the choice of the seed:

1. Even integers are transformed to the odd number below it. That is, a seed of 506 is equivalent to a seed of 505.
2. The default value is the minimum seed. Although smaller seeds can be specified, they generate the same sequence of random numbers as the default seed does.

SYNTAX
SEED <iseed>
where <iseed> is an integer number or parameter that defines the seed.

EXAMPLES
SEED 357
SEED DEFAULT

DEFAULT
305

SYNONYMS
None

RELATED COMMANDS
RANDOM NUMBERS (LET)
Generate random numbers for various distributions.

APPLICATIONS
Random number generation

IMPLEMENTATION DATE
Pre-1987

PROGRAM
SEED 697
LET Y = NORMAL RANDOM NUMBERS FOR I = 1 1 100