BAR EXPANSION

PURPOSE
   Control the height and width of bars in a BLOCK PLOT command.

DESCRIPTION
   The height and width are expressed in DATAPLOT 0 to 100 units. That is, the height is a percentage of the vertical size of the device and the width is a percentage of the horizontal size of the device.

SYNTAX
   BAR EXPANSION <height> <width>
   where <height> is a number or parameter that specifies the distance from the minimum and maximum points in the block plot to the bottom and top of the enclosing bar;
   and <width> is a number or parameter that specifies the width of the enclosing bar.

EXAMPLES
   BAR EXPANSION 0.5 2.0
   BAR EXPANSION DEFAULT

DEFAULT
   The default height is 1.0 and the default width is 1.0.

SYNONYMS
   None

RELATED COMMANDS
   BLOCK PLOT = Generate a block plot.

APPLICATIONS
   Analysis of Variance, Design of Experiments

IMPLEMENTATION DATE
   92/5
PROGRAM

SERIAL READ Y
28.4 21.9 36.8 19.2 28.2 26.6 30.4 25.1 25.5 21.5 26.0 21.9 20.2 14.3
19.9 22.5 23.4 18.5 38.2 12.8 22.0 22.5 30.3 17.7
END OF DATA
LET PROC = PATTERN 1 2 FOR I = 1 1 24
LET PLANT = SEQUENCE 1 12 1 2
LET SPEED = SEQUENCE 1 6 1 2 FOR I = 1 1 24
LET SHIFT = SEQUENCE 1 2 1 3 FOR I = 1 1 24
CHARACTERS 1 2
LINE BLANK BLANK

. CHARACTER SIZE 1.0 ALL
BAR EXPANSION 2.0 0.8
BLOCK PLOT Y PLANT SPEED SHIFT PROC

Compare the output of this to the sample program under the BLOCK PLOT command (Graphics chapter).