BAR PATTERN

PURPOSE
Specifies the type of pattern used to fill bars on subsequent plots.

DESCRIPTION
See the documentation for the BAR command for a description of the various types of bar charts that DATAPLOT can generate.

The following bar fill patterns are available (in practice, the first 7 are heavily used while the last 5 are rarely used):

BLANK	-	no fill
SOLID	-	solid fill
HORI	-	horizontal lines
VERT	-	vertical lines
D1	-	up diagonals
D2	-	down diagonals
D1D2	-	both up and down diagonals
VED1	-	both vertical lines and up diagonals
VED2	-	both vertical lines and down diagonals
HOD1	-	both horizontal lines and up diagonals
HOD2	-	both vertical lines and down diagonals
VEDD	-	both horizontal and vertical lines, and both up and down diagonals

Bar patterns are specified by trace. All bars belonging to the same trace will have the same bar pattern.

SYNTAX
BAR PATTERN <pattern> <pattern> <pattern> etc.
where <pattern> is a string that specifies the desired pattern. Up to 100 fill patterns can be specified.

EXAMPLES
BAR PATTERN SOLID VERTICAL HORIZONTAL BLANK
BAR PATTERN D1 D2 D1D2 HOD1 VED2 VEDD
BAR PATTERN D1 ALL
BAR PATTERN

NOTE 1
The BAR FILL command must be used in order for the bars to be filled with a pattern. If the bar fill switch is off (the default), this command is ignored.

NOTE 2
DATAPLOT can generate either solid fills or hatch pattern fills. The BAR FILL ON command with no BAR PATTERN specified generates solid filled bars. Specifying the bar pattern to be SOLID also generates solid filled bars.

NOTE 3
The BAR PATTERN command with no arguments sets the bar pattern type to default for all traces. The BAR PATTERN command with the word ALL before or after the specified pattern type assigns that bar pattern type to all bars; thus BAR PATTERN D1 ALL or BAR PATTERN ALL D1 fills all bars with pattern D1.

DEFAULT
All bar patterns are blank.

SYNONYMS
None

RELATED COMMANDS
PLOT	=	Generates a data or function plot.
BAR	=	Sets the on/off switches for bars on plots
BAR BASE	=	Sets the base locations for plot bars.
BAR FILL	=	Sets the on/off switches for plot bar fills.
BAR DIMENSION	=	Sets the bar dimensions to 2d or 3d.

BAR DIRECTION	=	Sets the bar directions to horizontal or vertical.
BAR PATTERN COLOR	=	Sets the colors for bar fill patterns.
BAR PATTERN LINE	=	Sets the line types for bar fill patterns.
BAR PATTERN SPACING	=	Sets the line spacings for bar fill patterns.
BAR PATTERN THICKNESS	=	Sets the line thicknesses for bar fill patterns.
BAR WIDTH	=	Sets the widths for plot bars.

APPLICATIONS
        Presentation Graphics

IMPLEMENTATION DATE
        Pre-1987

PROGRAM
        LET CARTER = DATA 66 30 11 43 44 41 35 82 54 36
        LET REAGAN = DATA 26 54 84 47 51 51 52 14 36 55
        LET X = DATA 1 2 3 5 6 7 8 10 11 12; LET X1 = X - 0.2; LET X2 = X + 0.2
        .
        HORIZONTAL SWITCH ON
        YLIMITS 1 12; YTIC OFFSET 1 1; MINOR Y1TIC MARK NUMBER 0
        Y1TIC MARK LABEL FORMAT ALPHA
        Y1TIC LABEL CONTENT DEMOCRATS INDEPENDENTS REPUBLICANS SP() EAST ...
                SOUTH MIDWEST WEST SP() BLACKS HISPANICS WHITES SP()
        X1LABEL PERCENT; XLIMITS 0 100
        MAJOR XTIC MARK NUMBER 11; MINOR XTIC MARK NUMBER 1
        LINE BLANK ALL; BAR ON ON
        BAR FILL ON ALL; BAR WIDTH 0.2 ALL
        BAR PATTERN D1 D2
        TITLE DEMONSTRATE BAR PATTERN; TITLE SIZE 5
        PLOT CARTER X1 AND
        PLOT REAGAN X2