

AND**PURPOSE**

Draws an AND gate (a logical device used in electronic circuit diagrams).

DESCRIPTION

The 2 pairs of coordinates define the (x,y) values for the middle back and the middle front (respectively) of the AND gate.

SYNTAX

AND <x1> <y1> <x2> <y2>

where <x1> is a number or parameter in the decimal range 0 to 100 that specifies the x coordinate for the middle back point of the AND gate;

<y1> is a number or parameter in the decimal range 0 to 100 that specifies the y coordinate for the middle back point of the AND gate;

<x2> is a number or parameter in the decimal range 0 to 100 that specifies the x coordinate for the middle front point of the AND gate;

and <y2> is a number or parameter in the decimal range 0 to 100 that specifies the y coordinate for the middle front point of the AND gate.

EXAMPLES

AND 50 50 60 50

AND 50 50 60 60

AND 20 20 25 20

AND X1 Y1 X2 Y2

AND X1 20 X2 20

NOTE

The line style (i.e., solid, dash), color, and thickness of the AND gate are controlled by the LINE, LINE COLOR, and LINE THICKNESS commands. These commands are documented in the Plot Control chapter.

DEFAULT

None

SYNONYMS

None

RELATED COMMANDS

OR	=	Draws an OR gate.
NAND	=	Draws a NAND gate.
NOR	=	Draws a NOR gate.
MOVE	=	Moves to a point.
DRAW	=	Draws a line.
LINES	=	Sets the line type for figures and plot lines.
LINE THICKNESSES	=	Sets the line thickness for figures and plot lines.
LINE COLOR	=	Sets the line colors for figures and plot lines.
CROSS-HAIR	=	Activates and reads the cross-hair.
TEXT	=	Writes a text string.

APPLICATIONS

Electronic circuit diagrams

IMPLEMENTATION DATE

Pre-1987

PROGRAM

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LINE SOLID  
LINE COLOR BLACK  
LINE THICKNESS 0.2  
AND 20 20 60 60  
MOVE 20 70  
TEXT AND COORDINATES (20,20), (60,60)
```

