MPF1B BASIC Reference Card

Commands

RUN	Execute the current program.
LIST	Print out the current program to display
LOAD	Load a program from the cassette tape
SAVE	Save a program on the cassette tape
CONTINUE	Continue after STOP or PRINT.
NEW	Clear memory to allow a new program to be written

Statements

PRINT	Output information to display
INPUT	Allow user input
LET	Assign a numerical value to a variable.
CALL	Call a machine-code routine
GOTO	Jump to a given line
GOSUB	Jump to subroutine
RETURN	Return to main program from a subroutine
IF...THEN	Allow statement to be executed conditionally
FOR...TO	Set the parameters for loop execution
NEXT	End a FOR...TO statement
STOP	Force return to the command mode

Variables

- Numeric Variables are the only type used in MPF-I BASIC.
- Variables can only hold " integer “ or whole number values such as 235 or -3451. The limit for MPF-I BASIC is from - 32767 to 32767. (But error massage will be occurred if one or both of the numbers to be multiplied are negative.)
- Variables Name length is one or two characters. If the length is one character, it must be any of A-F. I f the length is 2 characters, the first must be any of alphanumeric letter A-F, the second must be any of numeric digit 0—9.

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Memory variables

M : The format is **M** decimal where decimal is a hexadecimal memory address:

[line no.] **LET M** decimal = value To write a byte into the specified memory location.
[line no.] **LET** Variable = **M** decimal Assign Variable with the contents of the specified memory location.

I/O Port Variable

P : The format is **P** decimal where decimal is a hexadecimal I/O Port address:

[line no.] **LET P** decimal = value Output a byte to the specified I/O port.
[line no.] **LET** Variable = **P** decimal Assign variable with the contents of the specified I/O port

Operators

=	Assignment or equality test
-	Negation or Subtraction
+	Addition
*	Multiplication
/	Division (Integer)
**	Raising to a power
=	Equal
<	Less than
>	Greater-than
~	(NOT) 1's Complement
A	(AND) Bitwise AND
V	(OR) Bitwise 0R