

## Section 11: CP/M Sequential Disk Commands

The following commands and function may be used only in CP/M XYBASIC with sequential disk operations.

OPEN I, @[formula], [string]

OPEN O, @[formula], [string]

OPEN U, @[formula], [string]

Opens a disk file for Input, Output or Update. The formula specifies an integer file number between 1 and 255 associated with the file. The string specifies a filename, and may consist of an optional disk name, a filename, and an optional filetype. A SN error occurs if the filename is specified incorrectly. A BF error occurs if the formula is not between 1 and 255. A FN error occurs if a nonexistent file is OPENed for Input or Update. A FO error occurs if the filename or file number is already associated with an OPEN file. An OP error occurs if too many files are OPENed simultaneously.

Examples:        OPEN I, @1, "OLD.DAT"  
                  OPEN O, @2, "NEW.DAT"  
                  OPEN U, @3, "B:UPDATE.DAT"

CLOSE

CLOSE @[formula]

Closes all files or the file with file number formula. A BF error occurs if the specified file is not OPEN.

Example:        CLOSE @2

PRINT @[formula], [item list]

Sends information in item list to file number formula. The items may be formulas or strings. Sends items separated by semicolon (;) adjacent to each other. Tabs to next fourteen-character column field between items separated by comma (,). Sends <carriage return> and <linefeed> if line not terminated with comma or semicolon. Question mark (?) may be used as abbreviation for PRINT. If value of formula is 0, PRINTs items on the console. A BF error occurs if the value of formula is not 0 or the number of an OPEN file. A DF error occurs if the disk is full. A FM error occurs if the specified file is OPEN for Input.

Examples:        PRINT @1; "J = "; J;  
                  PRINT @I; A; B; C

MARGIN @[formula1], [formula2]

Specifies formula2 as maximum width for output lines on file number formula1. If value of formula1 is 0, changes width of console device output line to formula2. A BF error occurs if the file number formula1 is not 0 or the number of an OPEN file. A BY error occurs if the width formula2 is greater than 255.

Example:        MARGIN @1, 50

INPUT @[formula], [variable1], ...

Reads information from file number formula and assigns to variable1,... If value of formula is 0, performs a normal INPUT from the console. Does not prompt or give REDO or EXCESS IGNORED messages when reading from file. A BF error occurs if the file number formula is not 0 or the number of an OPEN file. A FM error occurs if the specified file is OPEN for Output or Update. A FI error occurs if a bad item is read during INPUT. An EF error occurs if INPUT tries to read past the end of file. An ID error occurs if INPUT is used in direct mode.

Example: 10       INPUT @2, I, J, K