ML/I User's Manual — Appendix K

Implementation on DECSystem-10 under TOPS-10

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September 1973

This implementation is based on version AIC of ML/I.

K.1 Restrictions and Additions

This implementation of ML/I contains all the features described in the *ML/I User's Manual*, 4th Edition, August 1970, plus New Features 1 to 4 as described in supplements to that Manual.

K.2 Operating instructions and I/O

ML/I is a two segment shareable program and can normally be run from `SYS:` by:

        .R ML1

The command string in response to the * prompt is a single line:

        !*runfile,outputfile*/*stacksize*<-*infile1,infile2,*...

with up to 8 input file specifications.

!*runfile* is optional, but if present indicates the program which is to be run at its CCL entry point after the ML/I run has terminated. */stacksize* is optional, but if present gives the (decimal) size of stack space that is to be reserved, default value is 3000 words.

In all file specifications the default drive is `DSK:` and the default extension is `.TXT`.

ML/I is provided with a CCL entry point which will read the above command string from a `TMPCOR` or `NNNXXX.TMP` file. The filename in this case is `ML1`.

K.3 Character set

ML/I accepts the full 7-bit ASCII character set with no translation between lower and upper case letters.

K.4 Error messages

Error messages are always produced on the user's teletype (log file for batch users).

The number 2N of section 6 of the *ML/I User's Manual* is 60 and the statistics message of section 6 is given at the end of every process.

K.5 Integer calculations

The initial environment contains ten permanent variables. These are not pre-set to any particular values. All integers in, or derived from, macro expressions should be less than 34359738368 in magnitude. Overflow is never detected.

K.6 Layout keywords

The following are the layout keywords for this implementation:

`SPACE`	meaning a space.
`NL`	meaning a newline.
`TAB`	meaning a tab.
`SL`	meaning the imaginary startline character.
`SPACES`	meaning a sequence of one or more spaces.

K.7 S-variables

This implementation contains 12 S-variables. S-variables `S10` and above are used as follows:

`S10`   Output switch. If non-zero, output text is suppressed.