XI. ARTIFICIAL INTELLIGENCE*

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A. COMPUTER FORMULATION AND SOLUTION OF ALGEBRA PROBLEMS GIVEN IN A RESTRICTED ENGLISH

A hand analysis of eighty algebra word problems has been made. Several preliminary processing programs were written in COMIT and debugged. It was then found that a more general list-processing language such as LISP would be much more convenient. However, a combination of the two languages would be better than either alone. Therefore, a COMIT interpreter (METEOR) was written in LISP, and debugged. It will handle simple COMIT rules and program flow, with added provision for mnemonic labelling of constituents. Any LISP function can be applied to a constituent, or set of constituents, from the work space. The input-output features of COMIT have been implemented, but the rules are entered in a LISP format. Certain other changes have been made to COMIT format which seemed natural and facilitated programming.

A memorandum has been published by the Artificial Intelligence Group which describes in detail the METEOR program and its use in the LISP system.

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