

PROPOSAL FOR CONTINUATION OF
THE STANFORD ARTIFICIAL INTELLIGENCE PROJECT

JOHN MCCARTHY, Professor of Computer Science
Principal Investigator

ARTHUR SAMUEL, Senior Research Associate in Computer Science
Associate Investigator

and

THE HEURISTIC DENDRAL PROJECT

EDWARD FEIGENBAUM, Professor of Computer Science
Co-Principal Investigator

JOSHUA LEDERBERG, Professor of Genetics
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ARPA SD-183

JUNE 1969



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ABSTRACT

\$1,975,859 is requested to continue research in artificial intelligence and related theoretical work in computer science for an eighteen month period beginning 1 January 1970. Principal research objectives are in the areas of representation theory, mathematical theory of computation, machine interaction with the physical world, computer recognition of speech, heuristic search strategies, and models of cognitive processes.

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