

TEXT LISTING

068-000444-02

PROGRAM

MICRONOVA ARITHMETIC TEST

TEXT TAPE

097-000444-02

ABSTRACT

THE ARITHMETIC TEST IS A MAINTENANCE PROGRAM DESIGNED TO EXERCISE THE ARITHMETIC AND LOGIC INSTRUCTIONS OF THE NOVA COMPUTERS. THE PROGRAM ADJUSTS ITS PARAMETERS TO THE SIZE OF MEMORY AND ALLOCATES ITSELF TO VARIOUS AREAS OF MEMORY.

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AUS ASSEMBLER REV 02.05
16:27:30 09/14/79
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; NAME: ARITMTST.TX PART NUMBER: 097-000444
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; DESCRIPTION: ARITHMETIC TEST (MICRO=NOVA)
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; REVISION HISTORY:
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; REV. DATE
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; 00 10/08/76
; 01 06/24/77
; 02 08/31/79
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ARITHMETIC TEST
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;1.
; ARITHMETIC TEST IS A MAINTENANCE PROGRAM
; DESIGNED TO EXERCISE THE ARITHMETIC AND
; LOGICAL INSTRUCTIONS OF THE NOVA COMPUTERS.
; THE PROGRAM ADJUSTS IT'S PARAMETERS TO THE
; SIZE OF MEMORY AND RELOCATES ITSELF TO VAR-
; IOUS AREAS OF MEMORY.
;
; MACHINE REQUIREMENTS
; NOVA FAMILY PROCESSOR
; 4K READ/WRITE MEMORY
; TELETYPE
;
; SWITCH SETTINGS
;
; LOCATION "SWREG" IS USED TO SELECT THE PROGRAM OPTIONS
; (NOT SYSTEM CONFIGURATION). WHILE RUNNING UNDER DTOS,
; THIS LOCATION WILL BE LOADED BY THE MONITOR.
; HOWEVER UNDER STAND ALONE AND PROGRAM LOAD MODES THIS
; LOCATION WILL BE SET ACCORDING TO THE ANSWERS SUPPLIED
; BY THE OPERATOR. IN ANY CASE THE OPTIONS CAN BE CHANGED
; OR VERIFIED BY USING ONE OF THE COMMANDS GIVEN IN SEC.
; 3.2
;
; SWITCH OPTIONS
; DIFFERENT BITS AND THEIR INTERPRETATION AT LOCATION
; "SWREG" IS AS FOLLOWS:
;
; BIT OCTAL BINARY INERPRETATION
; VALUE VALUE
;
; 1 40000 1 LOOP ON ERROR
;
; 2 20000 1 PRINT TO CONSOLE
;
; 3 10000 1 PRINT DETAILED ERROR ON THE
; SELECTED DEVICE/DEVICES
; ONLY % FAILURE REQUIRED
;
; 4 04000 1 ALLOW END OF PASS PRINT OUT
; SUPPRESS END OF PASS PRINT OUT
;
; 5 02000 1 DO NOT PRINT ON THE LINE PRINTER
; PRINT ON THE LINE PRINTER
;
; 6 01000 1 DO NOT HALT ON ERROR
; HALT ON ERROR

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0007 .MAIN

\*\*00000 TOTAL ERRORS, 00000 FIRST PASS ERRORS