

POUGHKEEPSIE
Department 539
South Road Laboratory

June 16, 1959

FILE MEMO

SUBJECT: Examples Illustrating the Use of CONDEF

1. Assign tape unit 15, card reader 3, card punch 3, and printer 2 to CONDEF. Set stop boundary conditions such that stopping occurs for all values within the range 2000 to 4000 inclusive.

Set

keys

SET STOP BOUNDARIES
ASSIGN I/O UNITS

on numerical switches

00200000 00400100

ENTER

on typewriter

\$T15,\$PCH3,\$RDR3,\$PRT2

END

2. Load a STRAP deck of cards from the card reader.

Set

keys

LOAD STRAP

switches

CARD

SIGNAL

3. Start the problem program at location 2936.32 .

Set

keys

SET INSTRUCTION COUNTER
START

switches

SOURCE TYPEWRITER

ENTER

on typewriter

2936.32

END

4. Write on the printer the contents of location 2413.00 as a normalized floating point number.

Set

keys

WRITE

switches

PRINTER
SOURCE NUMERICAL SWITCHES

on numerical switches

00241300

41 _____

5. Enter the instruction V+ICR, \$8, \$2 into location 2034.32 .

Set

keys

ENTER MANUALLY

switches

SOURCE TYPEWRITER

on numerical switches

_____ 1 _____

ENTER

on typewriter

2034.32: V+ICR, \$8, \$2

END

6. Begin the problem program at location 3210.00 . Run until the indicator Data Flag T causes an interruption. Then type out on the typewriter the causing instruction and the contents at the data address of this instruction.

Set

keys

SET INSTRUCTION COUNTER

ENTER INDICATOR LIST

START

switches

SOURCE NUMERICAL SWITCHES

on numerical switches

00321000 _____

ENTER

on typewriter

\$TF

END

Typical result

on typewriter

IND STOP (\$TF) (4521.32)

Set

keys

ENTER DATA DESCRIPTION INSTRUCTION
WRITE

switches

SOURCE NUMERICAL SWITCHES
EFFECTIVE ADDRESS

on numerical switches

00452132 1 _____

SIGNAL

Typical result

on typewriter

004521.32 L(N), 5777.00 (E3)

Set

keys

WRITE

switches

SOURCE NUMERICAL SWITCHES
EFFECTIVE ADDRESS

on numerical switches

_____ _____
SIGNAL

Typical result

on typewriter

005777.00 : +.314152636000000 + 1 T00

June 16, 1959

7. Stop the program for any data fetching outside of the range 4000 to 5000 inclusive.

Set

keys

SET STOP BOUNDARIES
DF ADDRESS STOP
START

switches

SOURCE NUMERICAL SWITCHES

on numerical switches

00500100 00400000

SIGNAL

RPP/pkb

R. P. Polivka
Associate Engineer
7030 Engineering Planning