

POUGHKEEPSIE
Department 539
South Road Laboratory

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FILE MEMORANDUM

SUBJECT: Address Arithmetic in STRAP-1

BY: H. C. Montgomery

The following examples illustrate some of the combinations of symbolic addresses, bit addresses and integers that can arise in STRAP-1 address specifications.

If the symbolic address JOE has the value 1000_{10} and if $\$X1$ contains the positive integer 9, then the following are true:

<u>Statement</u>	<u>Effective Address</u>
OP, JOE	1000.
OP, JOE ($\$X1$)	1009.
OP, JOE (1.)	1009.
OP, JOE (17.)	1009.
OP, JOE (1)	1000.28
OP, JOE (17)	1007.28
+ (B), JOE + 1	1000.1
+ (N), JOE + 1	1001.
BD, JOE + 1	1000.32
+ (B), JOE + 1.	1001.
+ (N), JOE + 1.	1001.
BD, JOE + 1.	1001.
OP, JOE (1)(1.)	1009.28
+ (B), JOE + 1 (1.)	1009.1
+ (B), JOE + 1. (1.)	1010.

JOE | DD (BU, 28), $N_0, N_1, N_2, \dots, N_{20}$

HCM/pkb

cc: W. Wolensky
W. V. Wright

7030 Product Planning
7030 Engineering Planning

H. C. Montgomery