

BLOCK PUNCH 1.0 CO

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ORG 37540B / BLOCK PUNCH
7540 000000 S HLT / AWAIT FIRST ADDRESS
7541 100041 LDA / READ DATA SWITCHES
7542 023631 DAC #FAD / DAC FIRST ADDRESS
7543 000000 HLT
7544 100041 LDA / READ LAST ADDRESS
7545 073631 SUB #FAD
7546 100002 CMA / 1'S COMP AC
7547 023632 DAC #MWD / DAC MINUS WORDS TO GO
7550 102002 ASM /AC SKIP -
7551 013540 JMP S / LAST ADDRESS WAS BEFORE FIRST ADDRESS - START
7552 067635 E3 ADD =377B
7553 002002 ASP / AC SKIP +
7554 100001 CLA
7555 073635 SUB =377B
7556 023633 DAC #WTB / DAC WORD COUNT FOR THIS BLOCK
7557 100006 CIA / 2'S COMP AC
7560 037615 JMS T / TYPE WORD COUNT
7561 067632 ADD #MWD
7562 023632 DAC #MWD
7563 063631 LAC #FAD
7564 037603 JMS T2 / TYPE WORD IN TWO FRAMES
7565 100001 CLA
7566 023634 DAC #SMC / DAC SUMCHECK WORD
7567 163631 I LAC #FAD
7570 037603 JMS T2
7571 037622 JMS S1 / UPDATE SUMCHECK
7572 033631 ISZ #FAD
7573 033633 ISZ #WTB
7574 013567 JMP .-5
7575 063634 LAC #SMC
7576 037603 JMS T2 / TYPE SUMCHECK
7577 063632 LAC #MWD
7600 002001 ASZ / AC SKIP 0
7601 013552 JMP E3 / ANOTHER BLOCK
7602 013540 JMP S / DONE
T2 BSS 1 / TYPE WORD IN TWO FRAMES SR
7604 003023 RAR 3
7605 003023 RAR 3
7606 003022 RAR 2
7607 037615 JMS T / TYPE MSB FIRST
7610 003003 RAL 3
7611 003003 RAL 3
7612 003002 RAL 2
7613 037615 JMS T / NOW TYPE LSB
7614 113603 I JMP T2 / RETURN
T BSS 1 / TYPE 1 FRAME SR
7616 002100 TSF / SKIP IF TTY DONE
7617 013616 JMP .-1
7620 001043 TPC / PRINT & CLEAR FLAG
7621 113615 I JMP T / RETURN
S1 BSS 1 / UPDATE SUMCHECK SR
7623 100010 CLL / CLEAR LINK
7624 067634 ADD #SMC
7625 002004 LSZ / LINK SKIP 0
7626 100004 IAC / INCREMENT AC

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7627 023634 DAC #SMC / MODULO 77777 SUMCHECK
7630 113622 I JMP S1 / RETURN
/ CONSTANTS AND VARIABLES WILL BE STORED HERE
REL S+100B / PUNCH BLOCK LOADER

7640 104100 LWC 100B
7641 023631 DAC #FAD
7642 104076 LWC 76B
7643 023633 DAC #WTB
7644 163631 I LAC #FAD
7645 037603 JMS T2 / TYPE TWO FRAMES
7646 033631 ISZ #FAD
7647 033633 ISZ #WTB
7650 013644 JMP .-4
7651 013660 JMP S+120B / PUNCH LEADER
REL S+120B / RELOCATE TO 7660

7660 104012 LWC 12B
7661 023633 DAC #WTB / USE #WTB AS COUNTER FOR LEADER
7662 100001 CLA
7663 037603 JMS T2 / TYPE 2 FRAMES OF LEADER
7664 033633 ISZ #WTB
7665 013663 JMP .-2
7666 013540 JMP S / WAIT FOR FIRST ADDRESS
REL S+130B

7670 004377 LAW 377B / PUNCH END CODE
7671 037615 JMS T
7672 037615 JMS T
7673 037615 JMS T
7674 013660 JMP S+120B /PUNCH SOME MORE LEADER
REL S1+7
END

7635 000377

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SYM
E3 7552
S 7540
S1 7622
T 7615
T2 7603

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UNU SYM

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ERR

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SAV
7631 FAD
7632 MWD
7633 WTB
7634 SMC

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LIT
7635 000377

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MAC
ORG 7540
END 7630
LAS 7635

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