

ASSIGN M;CI,(FILE,SCRAM,;DOOCI)
METASYM CI,L8

H01 12125 SEP 08, 175

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PCC 0
SCRAM SCRAMBLE LOGON PASSWORDS
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*M*
*P* NAME: SCRAM
*P* PURPOSE: SCRAMBLE LOGON PASSWORDS FOR TEL,CCI,LOGON AND SUPER
*P* DESCRIPTION: SCRAM USES AN IRREVERSIBLE ALGORITHM STARTING
*P* WITH A SEED WORD TO ENCODE PASSWORDS.
*
*D* NAME: SCRAM
*D* PURPOSE: TO ENCODE LOGON PASSWORDS
*D* DESCRIPTION:
*D* INPUT: R12-R13 - BLANK FILLED TEXT PASSWORD
*D* OUTPUT: R6-R7 - ENCODED PASSWORD
*D* WORK: R2-R4
*D* LINK: R11
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H01 12:25 SEP 08, 1975

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17 *****
18 00000000 R0 EQU 0
19 00000001 R1 EQU 1
20 00000002 R2 EQU 2
21 00000003 R3 EQU 3
22 00000004 R4 EQU 4
23 00000005 R5 EQU 5
24 00000006 R6 EQU 6
25 00000007 R7 EQU 7
26 00000008 R8 EQU 8
27 00000009 R9 EQU 9
28 0000000A R10 EQU 10
29 0000000B R11 EQU 11
30 0000000C R12 EQU 12
31 0000000D R13 EQU 13
32 0000000E R14 EQU 14
33 0000000F R15 EQU 15
34 *****

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36          *S*          SYSTEM  SIG7
37          DEF          SCRAM          ENTRY POINT OF SCRAMBLER
38 02 0000          CSECT          0          SEED FOR SCRAMBLER
39          REF          SEED
40 02 0000          00000000 N SCRSEED DATA SEED
41 03 0000          32600000 02 SCRAM CSECT 1 SCRSEED
42 03 0000          69300004          BNEZ SCRO
43 03 00001          1260000C A LD,R6 R12
44 03 00002          F800000B A B *R11
45 03 00003          22200000 A SCRO
46 03 00004          7234000C A SCR1 LI,R2 0
47 03 00005          32400003 A LB,R3 R12,R2
48 03 00006          2540007C A LW,R4 R3
49 03 00007          32700006 A SLS,R4 *4
50 03 00008          LW,R7 R6

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ENTRY POINT OF SCRAMBLER

SEED FOR SCRAMBLER

IF SEED IS ZERO NO SCRAMBLE

GET CHARACTER

H01 12:25 SEP 08, 1975
 51 03 00009 37600006 A
 52 03 0000A 25660307 A
 53 03 0000B 48600007 A
 54 03 0000C 64400008
 55 03 0000D 20200001 A
 56 03 0000E 21200007 A
 57 03 0000F 68200005
 58 03 00010 F800000B A
 59

MW,R6 R6
 SED,R6 7,R3
 EOR,R6 R7
 BDR,R4 SCR2
 AI,R2 1
 CI,R2 7
 BLE SCR1
 B *R11
 END

SQUARE IT
 SELECT SOME PORTION

CONTROL SECTION SUMMARY: 01 00000 PT 0 02 00001 PT 0 03 00011 PT 1

H01 12:25 SEP 08, 175

* SYMBOL VALUES
R0/00000000
R12/0000000C
R2/00000002
R6/00000006
SCRSEED/02 00000
* EXTERNAL DEFINITIONS
SCRAM/03 00000
* PRIMARY REFERENCES
SEED
* NO SECONDARY REFERENCES
* NO UNDEFINED SYMBOLS
* ERROR SEVERITY LEVEL: 0
* NO ERROR LINES

R1/00000001
R13/0000000D
R3/00000003
R7/00000007
SCR0/03 00004

R10/0000000A
R14/0000000E
R4/00000004
R8/00000008
SCR1/03 00005

R11/0000000B
R15/0000000F
R5/00000005
R9/00000009
SCR2/03 00008