

KAB95--04---
PROGRAM SUCCESSFULLY CORRECTED

DATE: 22/11/65 TIME: 18.10.

UACUUFANFOLD BUSINESS FORMS


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ST 11104; TL 1000;
START 1600;
V21;
YD 71;
YE 30;
RESTART; J9; J1;
PROGRAM;
  VO=QAYD52/AYD71/B120003;
  V1=QAYD52/AYD71/B120021;
  V3=B0760375557626434;
  V5=Q-1/AV2/AV4;
  V6=Q0/0/B60003;
  V8=B2020202020;
  V9=0;
  V10=B0746415154656245;
  V11=B0000624156174554;
  V14=Q0/AV9/AV13;
  V16=B4357556051544544;
  V17=B0000624156174554;
  V20=Q0/AV15/AV19;
  Z35; J16*LTZ;
  JSP11;
  ZERO; DUP; =V9; =V15;
16; Z39; J17*GEZ;
  Z35; J18*LTZ;
  V14; SET8; OUT;
19; E0; SHC=4; J1*GEZ;
  JSP4; JSP13;
13; JSP10;
  V0; JSE70; J5; ERASE;
  V1; JSE70; J5;
  JSP5; JSP14;

2; JSP33; J7; J8;

7; V10P33; =RM2; V11P33; V10P33;-; NOT; NEG; =C2;
13; MOM20; DUP; J4*NEZ; ERASE;
  J3C2NZS; J2;
4; =VOP1; M2; =C3; DC3; JSP9;
  J3C2NZ;
  J2;
8; JSP12; V7; =Q5; V6; =Q6;
  M5; =I6; Q6; JSE70; J5; (CLOSE CH 3);
  J1;
17; Z35; J20*LTZ;
  V20; SET8; OUT;
1; JSP10; JSP34; SETB157010; =M7;
  Z35; J21*LTZ;
  Z39; STR; ERASE; =Z39;
  Z38; SHL+12; J6*LTZ;
  SETB2021;
15; =I7; Q7; JE70;
21; SETB3022; J15;
6; SETB2120; J15;
20; Z39; SET3; SHC=2; OR; =Z39; J1;
18; Z39; SHL+2; SHL-2; =Z39; J19;
5; SET0295; JSP7;
9; SET1; DUP; =C2; =C7; SETAY1; =I11; (RESTART ROUTINE);

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10: J11EJ; LINK;
 11: J12NEN; J13;
 12: ERASE; J10;

P33V12; V1=B0763644162640034;

V3=Q-1/AV0/AV2;
 V5=B0745564400000034;
 V7=Q-1/AV4/AV6;
 V8=B2020202020;

V9=B12121212121212;

14: (FIRST ADDRESS);

ZERO; =V0; SETAR14; =V12;
 V3; SET8; OUT;

V2; SHL-42; SETB56; NEV; J1=Z; (NO P.M.);

V2; SHL-12; SETB77; AND; SETB33;

NEV; J2*NEZ; (DECIMAL);

V2; JS3; J4;

2: V2; JS5; (OCTAL);

4: =V10;

13: (SECOND ADDRESS);

ZERO; =V4; SETAR13; =V12;

V7; SET8; OUT;

V6; SHL-42; SETB45; NEV; J6=Z;

V6; SHL-12; SETB77; AND; SETB33; NEV;

J7*NEZ; (DECIMAL);

V6; JS3; J8;

V6; JS5; (OCTAL);

8: =V11; J9;

6: SETAZO; =V11;

9: V11; SETAZO; MAX; VR; ERASE; =V11;

V10; V11; MAX; VR; =V11;

=V10;

EXIT1;

1: EXIT2;

3: (DECIMAL);

SHL-18; V8; =;

V9; REV; TOB; EXIT1;

5: (OCTAL);

SHL-18; ZERO; REV;

SET5; =RC4;

£12: SHLD-3; SHC-3; £DC4; J2C4NZS;

SHL-18; V8; NEV; J15=Z;

ERASE;

LINK; ERASE; V12; =LINK; EXIT;

15: SHL=33; EXIT1;

PIV4; V1=B0260541302605401;

V2=B0260041302600401;

V3=B0020541300205401;

V4=B0020041300200401;

SETAV1; =M13;

SETI6; =RC14;

SETAYD2; SHA+1; =M14; V0;

1: ZERO; SHLD+3; =M15;

M13M15H; =MOM14QH; J1C14NZ;

(CONVERT INTO BINARY ROUTINE);

ERASE; EXIT1;

PI2V15; V0=B0341141406214420;

V1=B0560023647517236; (LOSPSPSP);

V2=B4740646115024060; (BLOCK);

V3=B4740705512424060; (CHECK);


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V4=B1043206712234271; (WORDS);
V5=B1212120101010101;
V6=Q0/AY0/AY255;
V7=B0662306713434476;
V9=B4350415656455434;
V11=Q-1/AV8/AV10;
V13=B0762456045416400;
V15=Q0/AV12/AV14;
1;   ZERO; =V8;
V11; SET8; OUT;
V10; SHL-42; SETB20; -;
SET4; J3;
SET5; J5;
SETB36; NEV; J10=Z;
ZERO; =V12;
V15; SET8; OUT; J4;
10;  EXIT1;
3;   JS4; (TO PRINT CHANNEL 4);
JS6; (TO TAPE EDIT);
SET4; JS33; (REPOSITION TAPE); J1;
5;   JS4;
JS6;
SET5; JS33; J1;
4;   SET19; =RC5; (TO PRINT CHANNEL NO.);
E2;  VOP5; E=YDOM5Q; J2C5NZ;
V0; =YD4; V1; =YD5;
DUP; QOT006; =C6;
Q6; YD5; OR; =YD5;
JSP8; EXIT1;
(FIND THE UNIT NUMBER AND POSITION);
6;   SHL+2; =M1; (M1=4*CHN);
E18M1; SHL=46; NEG; NOT; J20=Z;
E18M1; SHL+9; STR; J26*NEZ; (CHANNEL SHARED);
SHL-41; =RC2; JS30; (MOVE TAPE TO LBL. AFTER BTL.);
SET1; =RM10; J25; (TAPE EDIT);
26;  SHL=41; SHL+2; =M1; (TO FIND SHARED CHANNEL);
E19M1; SHL=32; (HIGHEST BLOCK WRITTEN);
=C1;
E18M1; SHL+9; STR; J27*NEZ;
SHL-41; =RC2; M+12; J28;
27;  SHL=41; SHL+2; =M1;
E18M1; SHL+9; STR; J27*NEZ;
SHL-41; =RC2; M+12;
28;  C1T0Q3; NC3; DC3; NC3; (BLOCK:=BLOCK+1);
MRWDQ2; PARQ2; ZERO; =TR; (MOVE TAPE TO BTL);
34;  MBTQ2; J34NTR;
29;  MFSKQ2; PARQ2; ZERO; =TR;
DC3; J29C3NZ; C1; =RM10; M+110;
J25;
30;  MRWDQ2; PARQ2; ZERO; =TR;
35;  MBTQ2; J35NTR;
M+12; MFSKQ2; PARQ2; ZERO; =TR;
EXIT1; (FOR NONE SHARING CHANNEL);
25;  (TAPE EDIT); V6; =Q11;
C2T0Q11;
19;  MFRQ11;
VOP5; DUP; =YD0; DUP;
=YD2; DUP; =YD5; DUP;
=YD8; DUP; =YD9; =YD11; JS21;
V2; =YD3; V4; =YD6;

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Y0: =Q15; M10; M15;
 NEV: M+I10; J20*NEZ;
 M15; JS15; =YD4;
 I15; DUP; =RC15; SET2; =;
 JS15; =YD7;

Y0: (SUM CHECK FORMED AND CHECKED);

£7: Y1M15Q; £+; J7C15NZS;
 J8*NEZ; V3; =YD9;
 8: PARQ11; J9NTR; V7; =YD11;
 9: M15; SET2; =; =RC7;
 JSP8;
 £12: Y1M7Q; DUP; J11*NEZ;
 ERASE; J12C7NZS; J19;
 11: =VOP1; M7; =C3; DC3;
 JSP9; J12C7NZ; J19;
 20: EXIT1;
 33: SHL+2; =M1;
 31: E18M1; E21M1; =Q4; COTOQ4; MOTOQ4;
 Q4; =E21M1; SHL+9; STR; J32=Z;
 SHL-41; SHL+2; =M1; J31;
 32: SHL=41; =RC2; MRWDQ2; M+I2; PARQ2;
 ZERO; =TR; MFSKQ2; PARQ2; ZERO;
 =TR; EXIT1;
 15: V5; REV; FRB; ZERO;
 SHLD+6; SHL+2; SHLD+6; SHL+2; SHLD+6;
 VOP5; SHL+24; OR; SHC+8;
 REV; ERASE; EXIT1;
 21: ZERO; NOT; DUP; =YD12; DUP;
 =YD13; DUP; =YD15; DUP; =YD16;
 DUP; =YD17; =YD18; EXIT1;
 P2V0: (CONVERT INTO OCTAL ROUTINE);
 SET16; =RC13; (TOTAL SYLLABLE COUNT);
 SET6; =RC14; (SYLLABLE COUNT);
 VOP1; SETAYD11; =RM15;
 5: ZERO;
 1: SHL+5; SHLD+3; DC14; DC13; J2C14Z;
 J1C13NZ; J3;
 2: =MOM15Q; SET6; =RC14; J5C13NZ;
 3: SHL+16; SETB236; DUP; SHL+8; OR; OR;
 =MOM15; ERASE;
 EXIT1;
 P3: (SYLLABIC OCTAL CONVERSION);
 SETAYE0; =RM12; SET6; =RC13;
 VOP1;
 2: ZERO;
 1: SHL+6; SHLD+2; SHL+5; SHLD+3;
 SHL+5; SHLD+3; SETB236; SHC-8; REV; SHLD+8;
 REV; ERASE;
 =MOM12Q; DC13; J2C13NZ;
 ERASE;
 YE0; YE1; SHL+16; REV; SHLD+16; =YD15;
 YE2; OR; =YD16;
 YE3; YE4; SHL+16; REV; SHLD+16; =YD17;
 YE5; OR; =YD18;
 EXIT1;
 P4V15: (Q STORE PRESERVATOR);
 Q1; =V1; Q2; =V2;
 Q3; =V3; Q4; =V4;
 Q5; =V5; Q6; =V6;


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Q7; =V7; Q8; =V8;
Q9; =V9; Q10; =V10;
Q11; =V11; Q12; =V12;
Q13; =V13; Q14; =V14;
Q15; =V15;
EXIT1;
P5V0;      V0=B4751723647517236;
            SET15; =RC6;
1;         V1P4M6Q; =VOP1; JSP1; JSP2; JSP3;
M6; JSP6; SHL+8; SETB34; OR;
SHC-8; =YD0;
ZERO; =YD19; JSP8; J1C6NZ; EXIT1;
P6V1;      V0=B12121212121212;
            V0; REV; FRB;
            SHL+18; ZERO; =V1; SET5; =RC1;
1;         ZERO; SHLD+6; DUP; J2=Z;
3;         SHC-8; V1; SHLD+8; =V1; ERASE;
5;         DC1; V1; J4C1Z;
            SHL+2; SHLD+6; DC1;
            J5C1NZ;
4;         REV; ERASE; EXIT1;
2;         ERASE; SETB236; SHC-8; V1; SHLD+8;
            =V1; ERASE; DC1; J1C1NZ; ZERO; J4;
            (CONVERTS CONTENTS OF N1 INTO DECIMAL);

P8V0;      (OUTPUT TO MONITOR);
            V0=QAYD0/AYD19/B134321;
            VOP5; DUP; =YD1; DUP; =YD10;
            =YD14;
            V0; JSE70; J1; =V7P0;
            EXIT1;
1;         SET0195; JSP7;
P9;        (E ADDRESS MANIPULATION);
            C3; JSP6; SETB20; SHC-8; REV;
            SHL+8; SHL-8; OR; =YD0;
            JSP1; JSP2; JSP3; JSP8; EXIT1;
P10V7;     V1=B0377777777777777;
            V2=QAV4/AV4/B300;
            ZERO; NOT; =RM1; ZERO;
3;         ERASE; M+11; Q0T0Q3; M1;
9;         SETB100; OR; JSE70; J1;
            DUP; J3=Z;
            J10C3NZ;
            DUP; =Q3;
10;        SHL+9; STR; =TR; SHL-41; J9TR;
            =C2; C3; J2*GEZ;
            M1; SHC-1; STR; REV; ERASE;
            V2; AND;
            SETB60000;
            OR; M1; OR; JSE70; (CLOSE);
            J1;
2;         M1; DUP; NOT; NEG; SHA+2;
            =C1; E8; SHCC1; SETB17; AND;
            SET1; J5=;
            SET5; J6=;

4;         ERASE; SET7; =; DUP; J3*LTZ;
            EXIT1;
5;         Q3; SHL+7; J13*LTZ;
            SETAV1; DUP; =I2; =M2;

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8: LPQ2; PARQ2; J8TR; J4;
 6: Q3; SHL+7; J13*LTZ;
 SET120; =M2; PGAPQ2; J4;
 1: M1; JS5P98;
 12: J11EN; ZERO; SET7; M1; =; J3*GTZ; ERASE; EXIT1;
 11: ERASE; J12;
 13: SETAV0; =I2; SETAV1; =M2;

C2; =V0; COTDQ2;
 Q2; SET8; OUT;
 J4;

P11V4; V0=B0112121201061201;

V1=B1720202055202063;
 V1; V0; SET3; OUT; SHA=24;
 Z34; SHL-24; -; FRB; OR;
 DUP; =V12P0; =V18P0;
 V1; V0; SET9; OUT; SHA=24;
 Z34; SHL+24; SHL-24; -; FRB; OR;
 DUP; =V13P0; =V19P0;
 ZERO; DUP; =V9P0; =V15P0;

EXIT1;

P98V10; (FAILURE);

V3=B4641515465624500;
 V4=B20200075/23;
 V5=Q0/AV2/AV4;
 V6=Q0/AV7/AV9;
 V10=B202020202020;

5: JS6; J16;

6: Q15; =V0; Q14; =V1;
 ZERO; SHLD+45;
 SHL+3; SHLD-9; ERASE; V4;
 DUP; CAB; OR; =V4; ZERO;
 =V2; V5; SET8; OUT; =V4;
 EXIT1;

16: V0; =Q15; V1; =Q14; EXIT1;

P7: =RI15; SETB200; =M15;
 Q15; JE70;

P13V34; (TO PRESERVE E18-49);

V0=Q32/1/AE18;
 V1=Q32/1/AV2;
 V0; =Q1; V1; =Q2;

£1; MOM1Q; £=MOM2Q; JICINZS;
 EXIT1;

P14; (TO PRINT E18-49);

VIP13; =Q7;
 SET17; =RM2;
 2: MOM7Q; M+12; DUP; J1*NEZ; ERASE; J2C7NZ; J3;
 1: =VOP1; M2; JSP6; SETB20; SHC=8; REV; SHL+8; SHL-8; OR;
 =YD0;
 JSP1; JSP2; JSP3; JSP8; J2C7NZ;
 3: EXIT1;

P34; SET4; JS1; Z35; J7*LTZ; (POST);

Z32; SHL+24; SHL=42; -; J2=Z;
 J8;

7: (POST); (N1 DEV NO CH4);
 Z28; J11*NEZ;
 Z31; J12;


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11; Z28;  
12; -: J2=Z;  
8; SETB162004; JSE70; J4;  
2; SET6; JS1; Z35; J9*LTZ; (POST);  
Z32; SHL+36; SHL=42; -: J5=Z;  
J10;  
9; (POST); (CH6 DEV IN N1);  
Z30; -: J5=Z;  
10; SETB162006; JSE70; J6;  
5; EXIT1;  
3; SET9995; JSP7;  
1; SETB100; OR; JSE70; J3;  
SHL+9; STR; =TR; SHL=41; J1TR;  
EXIT1;  
4; SET9895; JSP7;  
6; SET9795; JSP7;  
FINISH;
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*EM