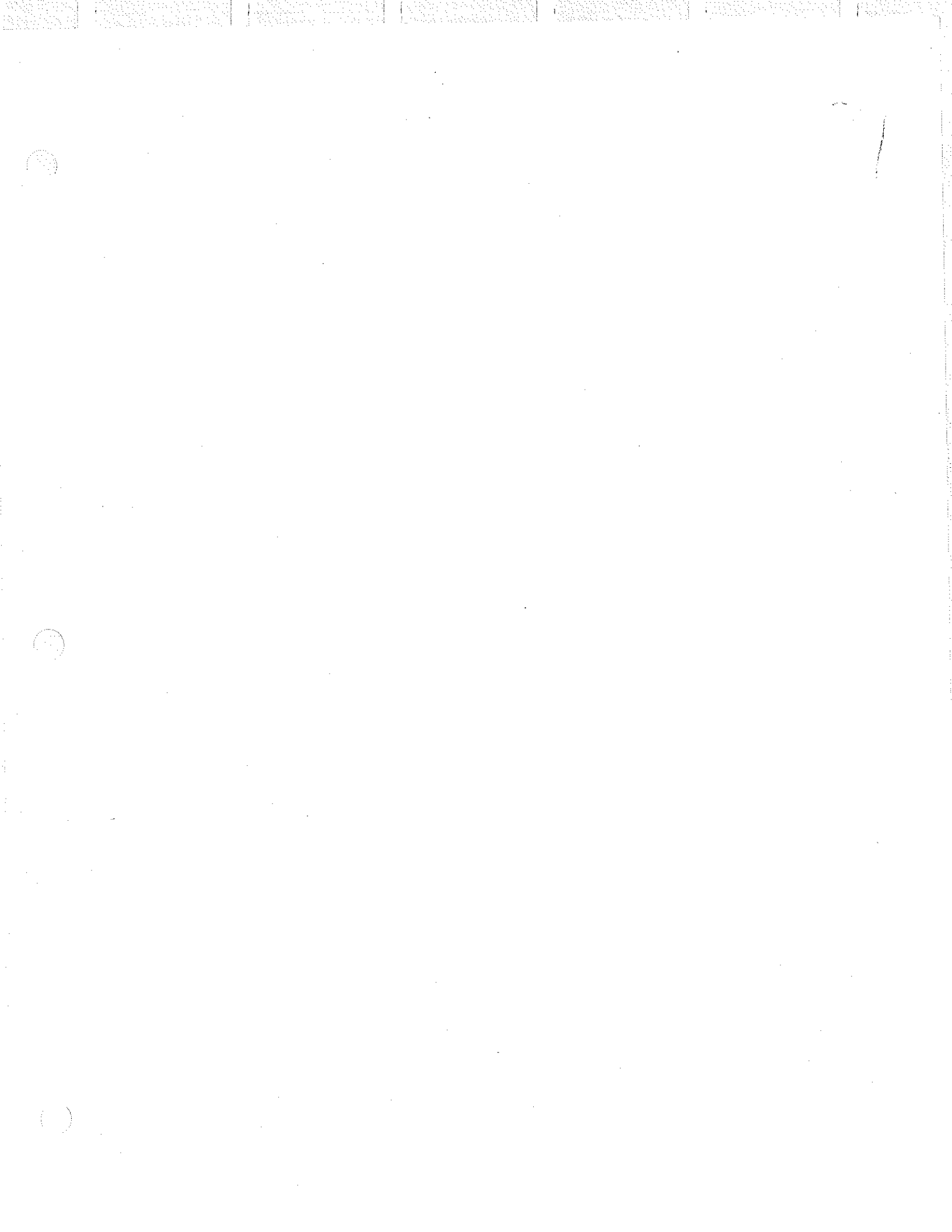


```
main $(
  extrn read, write;
  auto i, c, state, line 100;
```

incl.6

```
loop:
  state = i = 0;
loop1:
  c = read();
  if(c==4) return;
  if(c==';' & state==0) state = 2;
  if((c<'0' + c>'9' & c<'a' + c>'z') & state==0) state = 1;
  line[i] = c;
  i = i+1;
  if(c!=012) goto loop1;
  if(state==2 + i==1) goto noi;
  write(' ');
  write(' ');
noi:
  i = 0;
loop3:
  c = line[i];
  write(c);
  i = i+1;
  if(c!=012) goto loop3;
  goto loop;
$)
```

(\* ind \*/



```
main $(
  auto ch;
  extrn read, write;
```

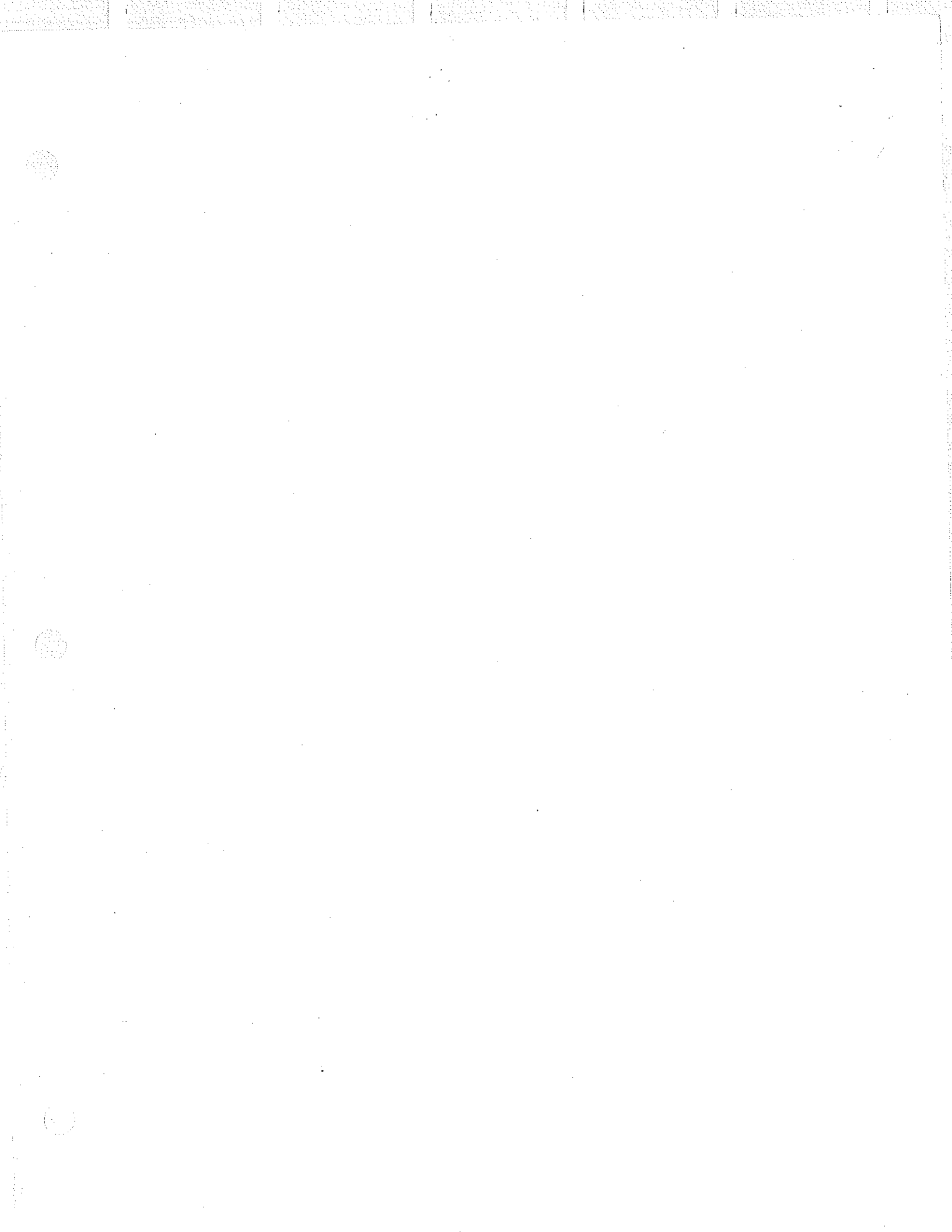
*/\* leave \*/*

*leave.b*

```
goto loop;
while (ch != 04)
$( if (ch > 0100 & ch < 0138)
    ch = ch + 040;
  if (ch==015) goto loop;
  if (ch==014) goto loop;
  if (ch==011)
    $( ch = 040040;
      write(040040);
      write(040040);
    $)
  write(ch);
```

*if (ch == 0177) goto loop;*

```
loop:
  ch = read() & 0177;
  $)
$)
```





3



(Blank)

next - loose

ed1

```
lac d1
sys write; 1f; 3
lac o17
sys creat; tname
spa
sys save
dac sfo
sys open; tname; 0
spa
sys save
dac sfi
-1
tad lnodp
dac zermp
tad d1
dac zerop
dac dot
tad d1
dac eofp
dzm i eofp
dzm i zerop
dzm lastre
dzm fbuf
lac d1
dac dskadr
dac wrflg
dzm diskln
jmp advanc
```

1:

<ed>; <it>; 012

advanci:

```
jms rline
lac linep
dac tal
dzm adrflg
jms adres
jmp comand
-1
dac adrflg
lac addr
dac addr1
dac addr2
```

1:

```
lac char
sad o54
jmp 2f
sad o73
skp
jmp chkwrp
lac addr
dac dot
```

2:

```
jms adres
jmp error
lac addr2
dac addr1
lac addr
dac addr2
jmp 1b
```



chkwrp:

-1

tad addr1  
jms betwen; a1; addr2  
jmp error

comand:

lac char  
sad o141  
jmp ca  
sad o143  
jmp cc  
sad o144  
jmp cd  
sad o160  
jmp cp  
sad o161  
jmp cq  
sad o162  
jmp cr  
sad o163  
jmp cs  
sad o167  
jmp cv  
sad o12  
jmp cn1  
sad o75  
jmp ceq  
jmp error

ca:

jms newline  
jms setf1  
lac addr2  
dac dot

ca1:

jms rline  
lac line  
sad o56012  
jmp advanc  
jms append  
jmp ca1

cc: cd:

jms newline  
jms setdd  
lac addr1  
sad zerop  
jmp error  
dac dot  
tad dm1  
dac 9  
lac addr2  
dac 8

2:

lac i 8  
dac i 9  
sza  
jmp 2b  
lac 0

```
dac eofp
lac char
sad 0144
jmp advanc
=1
tad dot
dac dot
jmp ca1
```

```
cp:
jms newline
cp1:
jms setdd
lac addr1
sad zero
jmp error
```

```
1:
lac addr1
dac dot
lac i addr1
jms gline
dac 2f
lac d1
sys write; line; 2; 0
lac addr1
sad addr2
jmp advanc
tad d1
dac addr1
jmp 1b
```

```
cq:
jms newline
lac adrf1g
sza
jmp error
sys exit
```

```
cr:
jms setfl
lac addr2
dac dot
jms rname
sys open; fbuf; 0
spa
jmp error
dac tfi
lac linep
dac tal
dzm num
```

```
1:
lac tfi
sys read; tbuf; 64
sza
jmp 2f
lac tfi
sys close
jms number
jmp advanc
```

```
2:
cma
```

tad d1  
rcl  
dac c1  
lac tbufp  
dac tal1

2:

jms getsc; tal1  
sna  
jmp 3f

jms putsc; tal  
isz num  
sad o12

skp  
jmp 3f  
lac tal

add o400000  
and o17777

cma  
tad linep  
cma

dac linsiz  
jms append  
lac linep  
dac tal

3:

isz c1  
jmp 2b  
jmp 1b

cw:

jms setfl  
lac i addr1  
sna  
jmp error  
jms rname  
lac o17  
sys creat; fbuf  
spa  
jmp error

dac tfl  
-128  
dac c2  
lac tbufp  
dac tal1  
dzm num

1:

lac i addr1  
jms gline  
rcl  
cma  
tad d1  
dac c1  
lac linep  
dac tal

2:

jms getsc; tal  
sna  
jmp 3f  
isz num  
jms putsc; tal1  
isz c2

5  
jmp 3f  
lac tfi  
sys write; tbuf; 64

-128  
dac c2  
lac tbufp  
dac tal1

3:  
isz c1  
jmp 2b  
lac addr1  
sad addr2  
jmp 1f  
isz addr1  
jmp 1b

1:  
lac tal1  
sma cla  
jmp 1f  
jms outsc; tal1

1:  
-1  
tad tbufp  
cma  
tad tal1  
dac 1f  
lac tfi  
sys write; tbuf; 1; 0  
lac tfi  
sys close  
jms number  
jmp advanc

cn1:  
lac adrf1g  
sna  
jmp 1f  
lac addr2  
dac addr1  
jmp cp1

1:  
lac dot  
tad d1  
sad eofp  
jmp error  
dac dot  
jmp cp1

ceq:  
jms newline  
jms setf1  
lac addr2  
dac dot  
cma  
tad zerop  
cma  
dac num  
jms number  
jmp advanc

11  
10  
9  
8  
7  
6  
5  
4  
3  
setdd; 0

```

lac adrflg
sza
jmp i setdd
lac dot
dac addr1
dac addr2
jmp i setdd

```

setfl: 0

```

lac adrflg
sza
jmp i setfl
lac zerop
tad d1
dac addr1
r1
tad eofp
dac addr2
jmp i setfl

```

newline: 0

```

jms getsc; tal
sad o12
jmp i newline
jmp error

```

adres: 0

```

dzm minflg)
r1
dac addr
ad1:
jms getsc; tal
ad2:

```

```

jms betwen; d47; d56
skp
jmp numb
sad o40
jmp ad1 ✓
sad o11
jmp ad1 ✓
sad o55
jmp amin ✓
sad o56
jmp adot ✓
sad o53
jmp ad1 ✓
sad o44
jmp adol ✓
sad o57
jmp fsrch ✓
sad o77

```

```

jmp bsrch ✓
dac char
lac minflg
sza
jmp error
lac addr
sma
isz adres
jmp i adres

```

11  
10  
9  
8  
7  
6  
5  
4  
3

7

```
adot;
  lac minflg
  sza
  jmp error
  lac addr
  sma
  jmp error
  lac dot
  dac addr
  jmp ad1
```

```
adol;
  lac minflg
  sza
  jmp error
  lac addr
  sma
  jmp error
  -1
  tad eofp
  dac addr
  jmp ad1
```

```
amin;
  -1
  dac minflg
  jmp ad1
```

```
numb;
  dac char
  sad 060
  jmp 1f
  lac d10
  jmp 2f
1:
  lac d8
2:
  dac 2f
  dzm num
1:
  lac num
  cll; mul; 2: 0
  lacq
  tad char
  tad dm48
  dac num
  jms getscl; tal
  dac char
  jms betwen; d47; d58
  skp
  jmp 1b
  lac minflg
  sna
  jmp 1f
  -1
  tad num
  cma
  dac num
  dzm minflg
1:
  lac addr
```

```

spa
lac zerop
tad num
dac addr
jms betwen; zermp; eofp
jmp error
lac char
jmp ad2

```

```

number: 0
lac d10000C
dac n1
law tbuf-1
dac 8

```

```

n0:
lac num
c11; idiv; n1: 0
dac num
lacq
tad d48
dac i 8

```

```

lac n1
c11; idiv; 10
lacq
dac n1
sza
jmp n0

```

```

lac o12
dac i 8
law tbuf-1
dac 8
dac 9
-5
dac n1

```

```

n2:
lac i 8
sad d48
skp
jmp n3

```

```

dzm i 9
isz n1
jmp n2

```

```

n3:
lac d1
sys write; tbuf; 7
jmp i number

```

```

rname: 0
lac fbufp
dac tal1
-8
dac c1

```

```

11 1:
10 jms getsc; tal
9 sad o40
8 jmp 1b
7 sad o12
6 jmp 1f
5 jms putsc; tal1
4 isz c1
3 jmp 1b

```

```

      jmp i rname
1:   lac tal1
      sad fbufp
      skp
      jmp 1f
      lac fbuf
      sna
      jmp error
      jmp i rname

```

```

1:   lac o40
      jms putsc; tal1
      isz c1
      jmp 1b
      jmp i rname

```

```

gline: 0
      dac glint1
      jms getdsk
      lac glint1
      and o1777
      tad dskbfp
      dac ital
      lac linep
      dac otal

```

```

1:   lac ital
      sad edskbfp
      skp
      jmp 2f
      lac diskin
      tad d1024
      jms getdsk
      lac dskbfp
      dac ital

```

```

2:   jms getsc; ital
      jms putsc; otal
      sad o12
      skp
      jmp 1b
      lac otal
      sma
      jmp 1f
      cla
      jms putsc; otal

```

```

1:   lac linpm1
      cma
      tad otal
      jmp i gline

```

```

rline: 0
      lac linep
      dac tal

```

```

1:   cla
      sys read; char; 1
      lac char

```



```

lrss 9
jms esc
lac char
and o777
jms esc
jmp 1b

```

```

esc: 0
sna
jmp i esc
jms putsc; tal
sad o12
jmp 2f
sad o100
jmp 1f
sad o43
skp
jmp i esc
-1
tad tal
dac tal
and o17777
sad linpm1
jmp 1f
jmp i esc

```

```

1:
lac linep
dac tal
jmp i esc

```

```

2:
lac tal
sma cla
jmp 1f
jms putsc; tal

```

```

1:
-1
tad linep
cma
tad tal
dac linsiz
jmp i rline

```

```

getsc: 0
lac i getsc
dac sctalp
isz getsc
lac i sctalp
dac sctal
add o400000
dac i sctalp
ral
lac i sctal
szl
lrss 9
and o777
jmp i getsc

```

```

putsc: 0
and o777

```

```

lmg
lac i putsc
dac sctalp
isz putsc
lac i sctalp
dac sctal
add o400000
dac i sctalp
sma cla
jmp 1f
llss 27
dac i sctal
lrss 9
jmp i putsc

```

```

1:
lac i sctal
and o777000
omq
dac i sctal
lacq
jmp i putsc

```

```

append: 0
-1
tad eofp
dac 8
cma
tad dot
dac apt1

```

```

1:
lac i 8
dac i 8
-3
tad 8
dac 8
isz apt1
jmp 1b
isz eofp
dzm i eofp
isz dot
jms addline
jmp i append

```

```

addline: 0
lac dskadr
dac i dot
jms getdsk
-1
tad linsiz
cma

```

```

11 lac dskadr
10 dac 8
lac dskadr
and o1777
7 tad dskbfr
6 dac otal
5 lac dskadr
4 tad linsiz
3 dac dskadr

```

1:

```

lac otal
sad edskbuf
skp
jmp 2f
lac diskin
tad d1024
jms getask
lac dskbuf
dac otal

```

2:

```

lac i 8
lac i otal
isz otal
asm wrflg
isz apt1
jmp 1b
jmp i adaline

```

*jms postponed*

getask: 0

```

and 0776000
sad diskin
jmp i getask
dac 2f
lac wrflg
sza
jmp 3f
lac diskin
dac 1f
lac sfo
sys seek; 1; 0; 0
lac sfo
sys write; dskbuf; 1024
lac d1
dac wrflg

```

3:

```

lac 2f
dac diskin
lac sfi
sys seek; 2; 0; 0
spa
jmp i getask
lac sfi
sys read; dskbuf; 1024
jmp i getask

```

betwen: 0

```

dac bett1
lac i betwen
dac bett2
isz betwen
lac i bett2
cma
tad bett1
spa
jmp 1f
lac i betwen
dac bett2
isz betwen
=1
tad i bett2

```

11

10

9

7

6

5

4

3

cma  
tad bett1  
spa

1:  
isz betwen  
lac bett1  
jmp i betwen

errori  
lac d1  
sys write; 1f; 1  
jmp advanc

1:  
077012

11  
10  
9  
8  
7  
6  
5  
4  
3

cs:

```

jms getsc; tal
sad o40
jmp cs
sad o12
jmp error
dac delim
jms compile
lac tbufp
dac tal1

```

1:

```

jms getsc; tal
sad delim
jmp 1f
sad o12
jmp error
jms putsc; tal1
jmp 1b

```

1:

```

lac o12
jms putsc; tal1
jms newline
jms setdd
lac addr1
sad zerop
jmp error

```

1:

```

dac addr1
lac i addr1
jms execute
jmp 2f
lac addr1
dac dot
law line-1
dac 8
law nlist-1
dac 9
-6#

```

dac c1

3:

```

lac i 8
dac i 9
isz c1
jmp 3b
-1
tad fchrno
dac linsiz
rcr
szl
xor o400000
tad linep
dac tal1
lac tbufp
dac tal

```

3:

```

jms getsc; tal
sad o12
jmp 3f
jms putsc; tal1
isz linsiz

```

3: jmp 3b

r1  
tad lchrno  
rcr  
szl  
xor o400000  
tad nlistp  
dac tal

3:

jms getsC; tal  
jms putsC; tal1  
isz linsiz  
sad o12  
skp  
jmp 3b  
jms addline

2:

lac addr1  
sad addr2  
jmp advanc  
tad d1  
jmp 1b

fsrch:

dac delim  
jms compile  
jms srcsav  
lac dot

floop:

tad d1  
dac addr  
lac i addr  
sza  
jmp 1f  
lac zerop  
dac addr  
jmp 2f

1:

jms execute  
jmp 2f  
jms srcres  
jmp ad1

2:

lac addr  
sad dot  
jmp error  
jmp floop

bsrch:

dac delim  
jms compile  
jms srcsav  
lac dot  
sad zerop  
lac eofp

bloop:

tad dm1  
dac addr  
lac i addr

11

10

9

7

6

5

4

3

```

sza
jmp 1f
lac eofp
dac addr
jmp 2f

```

```

1:
jms execute
jmp 2f
jms srcres
jmp ad1

```

```

2:
lac addr
sad dot
jmp error
jmp bloop

```

```

srcsav: 0
lac minflg
sza
jmp error
lac addr

```

```

sma
jmp error
law line-1
dac 8
law tbuf-1
dac 9
=64
dac c1

```

```

1:
lac i 8
dac i 9
isz c1
jmp 1b
jmp i srcsav

```

```

srcres: 0
law tbuf-1
dac 8
law line-1
dac 9
=64
dac c1

```

```

1:
lac i 8
dac i 9
isz c1
jmp 1b
jmp i srcres

```

```

compile: 0
law compbuf-1
dac 8
dzm prev
dzm compflg

```

```

cadvanc:
jms getsc; tal
sad delim
jmp cdone
dac compflg

```

17  
dzm lastre  
sad o12  
jmp error

"sad o133  
"jmp chrcls  
sad o136  
jmp beglin  
sad o44  
jmp endlin

"sad o52  
"jmp closure  
dac 1f  
jms comp  
1; jms matchar; 1; 0; 0  
jmp cadvanc

:done:  
lac compflg  
sna  
jmp 1f  
dac lastre  
jms comp  
1; jms found; 0  
jmp i compile

i:  
lac lastre  
sna  
jmp error  
jmp i compile

:hrcls:  
jmp error

:eglin:  
jms comp  
1; jms matbol; 0  
dzm prev  
jmp cadvanc

:ndlin:  
jms comp  
1; jms mateol; 0  
dzm prev  
jmp cadvanc

:lsure:  
lac prev  
sna  
jmp error  
tad d1  
dac 1f  
jms comp  
1; jms matclo; 1; 0; 0  
dzm prev  
jmp cadvanc

11  
10  
9  
8  
7  
6  
5  
4  
3  
2  
1  
:comp: 0  
-1  
tad comp  
dac 9  
lac 8



```

dac prev

```

```

1:

```

```

lac i 9
sna
jmp i 9
dac i 8
jmp 1b

```

```

execute: 0

```

```

jms gline
lac linep
dac tal1
dzm charno
dzm fchrno
dzm lchrno
lac jmpclist
dac trvect
lac jmpnlist
dac trvect+1
lac jmpxchg
dac i trvect+1
jmp 1f

```

```

xchg:

```

```

lacq
sad o12
jmp i execute
lac jmpxchg
dac i 8

```

```

1:

```

```

lac trvect
lmq
lac trvect+1
dac trvect
lacq
dac trvect+1
tad dm1
dac 8
jms getsc; tal1
lmq
isz charno
jms compbuf

```

```

charno:

```

```

0

```

```

trvect:

```

```

0;0

```

```

matchar: 0

```

```

-2
tad matchar
dac exret
lac i exret
dac exret
lacq
sad i matchar
skp
jmp 1f

```

```

lac matchar

```

```

and o17777

```

```

tad jms1

```

```

dac i 8

```

lac i exret  
dac i 8

isr exret  
jmp i exret

found: 0

r2  
tad found  
dac exret  
lac i exret  
dac exret  
lac fchrno  
sza  
jmp 1f  
isz execute  
jmp 2f

1:  
sad i exret  
jmp 1f  
cma

tad i exret  
spa  
jmp 2f  
jmp 3f

2:  
lac lchrno  
cma  
tad charno  
spa  
jmp 3f

3:  
lac i exret  
dac fchrno  
lac charno  
dac lchrno

4:  
isz exret  
jmp i exret

matbol: 0

lac charno  
sad d1  
jmp 1f  
lac matbol  
jmp 2f

5:  
lac matbol  
jmp 3f

ateol: 0

lacq  
sad o12  
jmp 1f  
lac mateol

6:  
tad dm2

dac exret  
lac i exret  
dac 9

11  
10  
7  
6  
5  
4

1:  
lac mateol  
3:

tad dm3  
dac 9  
lac i 9  
isz 9  
dac i 9  
jmp i 9

atclo; 0  
=2  
tad matclo  
dac exret  
lac i exret  
dac cloret  
lac i cloret  
dac 1f  
dac 2f  
lac i matclo  
dac exret  
jms i exret; 1; 0  
isz matclo  
jms i matclo; 2: 0  
isz cloret  
jmp i cloret

e1: 1  
o133: 0133  
m3: -3  
136: 0136  
m2: -2  
52: 052  
57: 057  
77: 077  
40: 040  
12: 012  
47: 47  
58: 58

m48: -48  
10: 10  
8: 8  
48: o60; 060  
100000: 100000  
44: 044

53: 053  
56: 056  
55: 055  
11: 011  
400000: 0400000  
17777: 017777  
144: 0144

m1: -1  
56012: 056012  
777: 0777  
100: 0100  
43: 043  
777000: 0777000

75: 075  
167: 0167  
161: 0161

160; 0160  
 143; 0143  
 141; 0141  
 1777; 01777  
 1024; 1024  
 776000; 0776000  
 162; 0162  
 163; 0163  
 73; 073  
 54; 054  
 17; 017

name:  
 0145056;0164155;0160040;040040

bufp: tbuf  
 linep: line  
 listp: nlist  
 bufp: fbuf  
~~skbfp: dskbuf~~  
~~dskbfp: dskbuf+1024~~  
 nodp: lnodes  
 inpm1: line-1  
 mpclist: jmp clist  
 mpnlist: jmp nlist  
 mpxchg: jmp xchg  
 ms1: jms 1

al: ., +1  
 xret: ., +1  
 loret: ., +1  
 elim: ., +1  
 rev: ., +1  
 ompflg: ., +1

a11: ., +1  
 1: ., +1  
 tal: ., +1  
 tal: ., +1  
 iskin: ., +1  
 clint1: ., +1

2: ., +1  
 um: ., +1  
 zermp: ., +1  
 inflg: ., +1  
 drflg: ., +1  
 ot: ., +1

ddr: ., +1  
 ddr1: ., +1  
 ddr2: ., +1  
 ofp: ., +1  
 erop: ., +1  
 skadr: ., +1

insiz: ., +1  
 fi: ., +1  
 chrno: ., +1  
 chrno: ., +1  
 astre: ., +1  
 lett1: ., +1

lett2: ., +1  
 wrflg: ., +1  
 pt1: ., +1

```
:fo! ,=,+1  
:ctal: ,=,+1  
:ctalp: ,=,+1  
:har; ,=,+1  
:buf; ,=,+4  
:buf; ,=,+64  
:ine! ,=,+64  
:list: ,=,+50  
:list: ,=,+50  
:ompbuf: ,=,+100  
:skbuf: ,=,+1024  
:nodes: ,=,+1000
```

11  
10  
9  
8  
7  
6  
5  
4  
3