This program will type out the 1478 addresses that are loaded by bootstrap. First load this, then op step a tape in until B = 147. STOP and run this. It will print the loader from address 540 to 703.

By changing the constant at 774 to one less than the desired address, you can type out any memory - and the contents of 1040 set how many addresses are typed.

```
000773  001007  P+1
000774  700337  K → AL   ONE LESS THAN START ADDRESS
000775  741037  PUT ADD IN 1037
000776  700000  CLR AL
000777  550773  JMP BACK
001000  501300  START   E F ACT
001001  001036    (13)  PRINTER ON
001002  001036
001003  502300  SKIP NIOPEF INACTIVE
001004  341003  JMP TO
001005  360000  CLR B
001006  760773  JMP TO SUB
001007  121037  ( ) → AL  START ADD MINUS 1
001010  710001  ADD 1 TO AL
001011  741023  STR IN PROGRAM
001012  741037  RESTORE
001013  504722  AL → AU
001014  761042  JMP TO SUB ( PACK BUFFER in ASCII)
001015  700012  K → AL  (LINE feed)
001016  441072  STR IN BUFFER
001017  441073  "     "
001020  700015  K → AL
001021  441074  STR IN BUFFER (CAR RETURN)
```

```
001021  441074  STR IN BUFFER (CAR RETURN)
001022  761054  JMP TO SUB (PRINT)
001023  10[redacted]  ADD → Au
001024  761042  JMP TO SUB (PACK BUFFER IN ASCII)
001025  700040  K → AL
001026  441072  STR → Buffer (SPACE)   PUTS SPACE
001027  441073    "     "      "      BETWEEN ADDRESS
001030  441074    "     "      "      AND CONTENTS
001031  761054  JMP TO SUB (PRINT)
001032  561040  B COUNT - DO IT 147₈ Times
001033  341007  JMP BACK
001034  760773  JMP TO SET UP START ADDRESS MINUS 1
001035  505640  STOP
001036  000013  STR
001[redacted]37  000537  STR
001040  000146  STR
001041  000060  STR
001042  001015  P+1                          PUTS BUFFER
001043  507201  ICR → 1                      IN ASCII
001044  360005  K → B
001045  504703  Shift 1ST BIT to AL from Au
001046  141041  ADD 60
001047  451064  STR in BUFFER
001050  700000  CLR AL
001051  731045  DO IT 6 Times
001052  507200  ICR → 0
001053  551042  JMP BACK
001054  001023  P+1                          PRINTS
001055  700000  CLR AL                       BUFFER
001056  501200  OUT PUT
001057  001064
001060  401074  SKIP NI if OUTPUT INACTIVE
001061  502200
001062  341061  JMP
001063  551054  RETURN JMP
001064  000064
001065  000066
001066  000060
001067  000061
```

BUFFER

Buffer

001070	000060
001071	000060
001072	000012
001073	000012
001074	000015
001075	000000
001076	000000
001077	000000
001100	000000
001101	000000
001102	000000
001103	000000
001104	000000
001105	