

Boot strap load 1478 address starting at 540s.

| | | |
|-------------|-----------|---|
| 540 | 501300 | EF active |
| 541 | 650 | (151) start read |
| 542 | 650 | (151) |
| 543 | 760621 | Direct return jump |
| 621+1) P | 621 = P+1 | 544 |
| | 622 | 501100 input act |
| | 623 | 646 |
| | 624 | 646 |
| | 625 | - 502100 Skip input inactive |
| | 626 | 340625 Jump back |
| | 627 | 120646 AL displays input |
| | 630 | 550621 Jump back |
| | | () |
| 544 | 02651 | compare AL with mem (76) |
| 545 | 630543 | AL ≠ 76 Imp back to 543 NOTE when it hits a 76 that means the next 5 octal frames are the start & end address. |
| 546 | 400645 | Clean 645 |
| 547 | 100645 | Clean AV |
| 550 | 700004 | 4 to AL and the |
| 551 | 440653 | 4 to 653 |
| 552 | 760621 | Imp to 621 and input |

- 553 - 510645 selective set AL
- 554 504706 left shift A 6 places
- 555 440645 Store AL at 645
- 556 570653 index skip (means do it 5 times)
- 557 340552 Jump back (input again)

A regist at this time

00|00|70|60|74|00|00

- 560 504741 left shift A 33, AV = 706
- 561 460654 Store AV low address
- 562 504617 left shift AL AL = 7400
- 563 440655 ^{str AL} upper address
- 564 320654 (Y) → B or 706 to B register
- 565 400647 Clear 647
- 566 760631 ^{Dir return} Jump to 631

631 - P+1

632 - 400645 Clear 645

633 700002 2 → AL

634 440653 str AL (2 in 653)

635 760621 Dir retr Jump input

50 AV 636 510645 Selective set AL

~~134000AL~~ 637 504606 left shift AL 6

5013 ~~cu~~ 640 440645 AL → 645

641 570653 index skip (do it 3 times)

642 340635 Jump ^{proper}

643 504614 puts it in order for storage

644 550631 Jump back

567 450000 Str AL B(modified with 706)

706 =

570 140647 add (647) to AL

571 440647 str results

572 560655 B skip (count up on B until)
B = 7400 upper address

573 340566 Jump back and get next inst.

574 760631 now get the check sum

575 020647 and compare it

576 610602 Jmp AL = to 647 means cksum OK

577 100647 display cksum in AV

600 505640 stop cksum bad

601 340600 Jmp

602 760621 read 1 frame

603 020651 } = 76 Jump back

604 610546 } and load another program

605 020652 } = 77 Jump to input

606 610616 } starting address

607 505600 no op

608 610602 read 1 frame

611 - 700000 Clr AL

612 504722 left shift A 228 (1810)

613 700000 Clr AL puts frame in AV

614 505640 stop

615 340614
616 760631 - get one ^{word} frame
617 440646 store
620 550646 Jump to contents of word
621 P+1 subroutine to
630 550~~621~~⁶²¹ input a frame
631 P+1 subroutine to
644 550631 input (3 frames) @ word
645 str
646 str
647 str
650 151 reader code
651 76
652 77
653 store
654 low address 706
655 high address 740
656 —
657 —
660 —
661 —
662 —
705 —