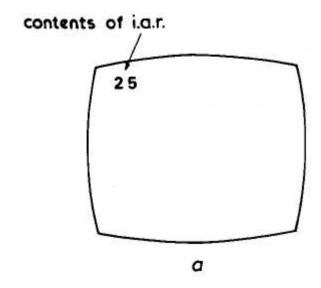
The TV display on the experimental school's computer shows various pieces of information, at various times during the execution of programs and instructions. The documentation of the machine, which is limited, has some examples of the display. This document is an attempt to list these displays and the information they contain, link that to the events that caused the display and hopefully build up the rules that the machine uses to put information onto the display. This can then be coded in the simulation to give the user a display that is as useful as the original and also hopefully close to the original displays.

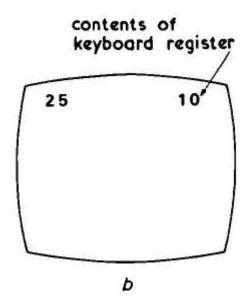
The display is 15 characters wide by six lines.

Sequence 1

After resetting

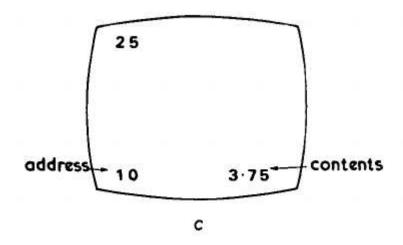


After keying in address

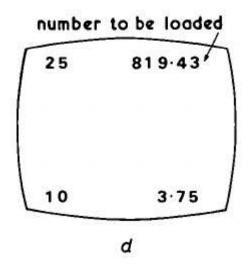


Experimental School's Computer Display Notes	

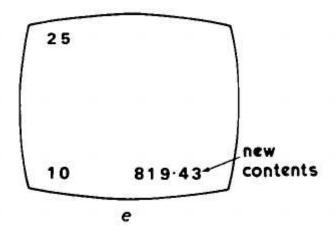
After touching LOAD ADDR key



After keying in number to be loaded

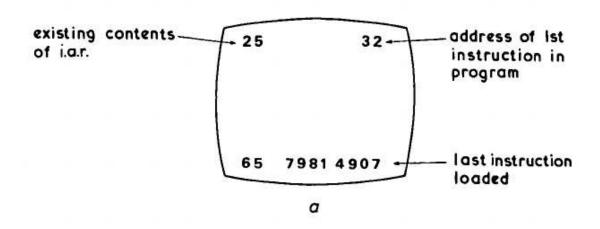


After touching LOAD STORE key

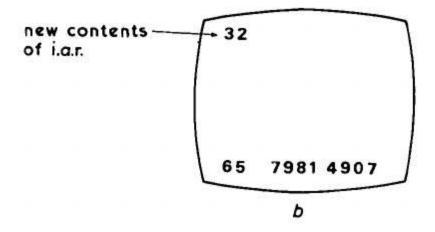


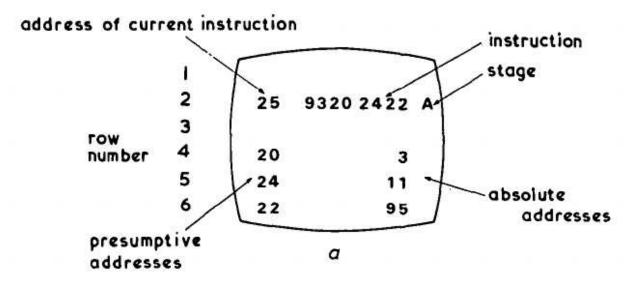
Sequence 2

After keying in address of first instruction in program

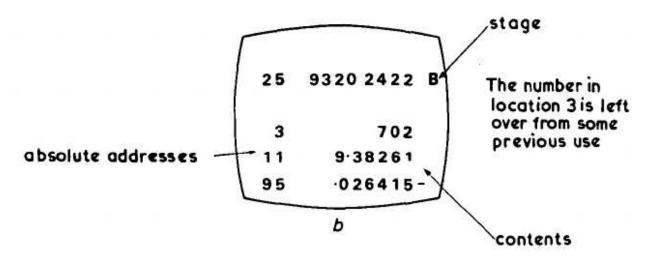


After touching LOAD IAR key

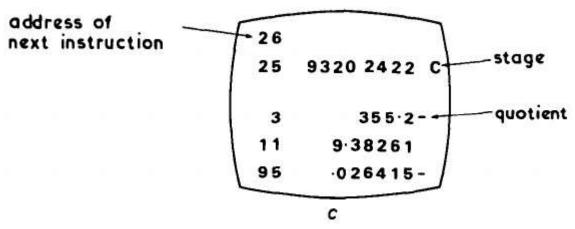




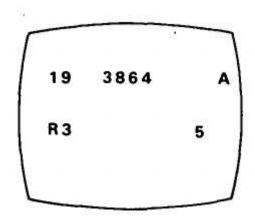
Stage A



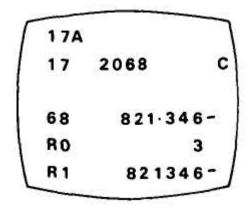
Stage B



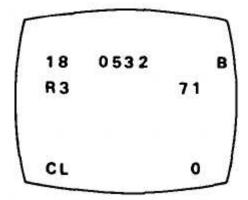
Stage C



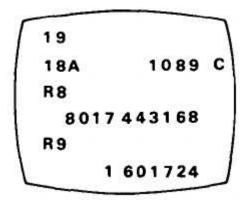
Single-address instruction with relative addressing



Single-address READ STORE instruction



TEST instruction



Adding contents of two double-length registers

From these screen layouts it appears that the top two lines of the display are in a fixed format, with the IAR, the address of the next instruction and the keyboard register contents displayed as the registers have values entered in them. There is also a display of the IAR flag that shows an 'A' when the instruction in the lower 4 digits is being referenced. The instruction processing stage (A,B, or C0 is also displayed.

The lower 4 lines, though, seem to be more free-form, with data displayed as instructions are processed. These lines will have data displayed as instructions are processed.

The character set is quite complete, the full ASCII set is available to the simulation, so that will be used. A small OLED display on the PCB is used to recreate the TV display, there is also a Usb CLI that has moire extensive displays, for instance the entire store can be displayed.

