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```
 1   00000001 # initialize #initializes the app in rom
 2   00100000 # Set interrupt 0 to memory address
 3   00000000 #      interrupt 0
 4   00000110 #      interrupt location in memory
 5   00010001 # jump to memory address
 6   00000111 #      memory address 7
 7   -------- # set register to
 8   -------- #      register 0
 9   -------- # write value to directly to memory
10   -------- #      memory location (let's say 24 to allow for the first 24 v
11   -------- #      value to save (25)
12   -------- # read extension register buffer (should write to current regist
13   -------- # set register to
14   -------- #      register 1
15   -------- # save the value to memory address
16   -------- #      memory location
17
18   00000010 # set register
19   00000000 #      register address 0
20   00010001 # jump to memory address
21   00000111 #      memory address 7
22   # set register to 0                  # keyboard interrupt
23   # get EXT register for interrupt
24   #      interrupt 0
25   # copy extension register to register
26
```

```
0000|_____/ 0_____/000 00001000 00001000 00001000
00001000 00001000 00001000 00001000 00001000 00001000 00001000
00001000 00001000 00001000 00001000 00001000 00001000 00001000
1521849562912
1521849563115
last index:  255
interrupt location address:  255
Interrupt Memory Jump Location: 6
1521849563318
undefined
1521849563519
1521849563725
ERROR: invalid instruction NaN
MEMORY STACK:

ROM:
 undefined
MEM:
 undefined
```