I spent 2h for this lab.

Divide by 9

Code:

```
, servect # subtract again

13

14 equal:
15 dedi a0, zero, 1 # a0 is divisible by 9

16 j end

17

19 dedi a0, zero, 0 # a0 is not divisible by 9

20 a dedi a0, zero, 0 # a0 is not divisible by 9

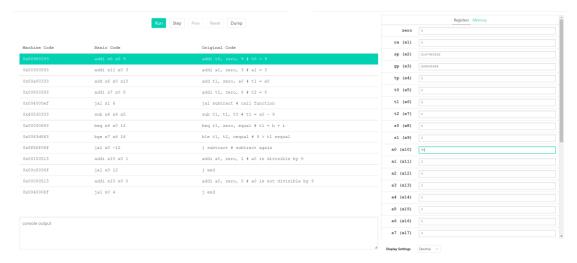
20 j end
    21
22 end:
23 #Finished
```





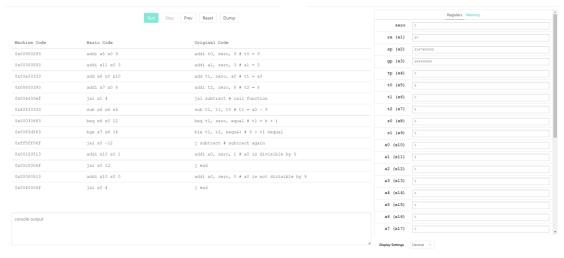
Simulation:

a0 = 90



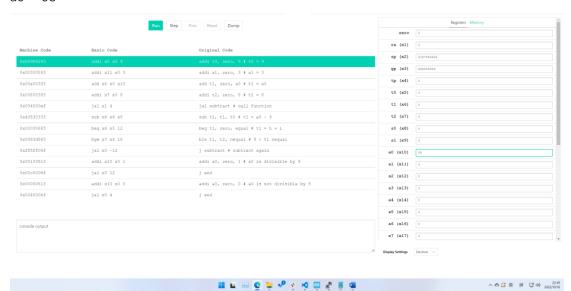


a0 = 1, divisible

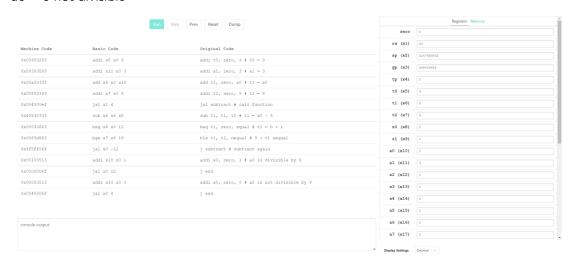




a0 = 98



a0 = 0 not divisible



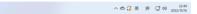


big2little

code:

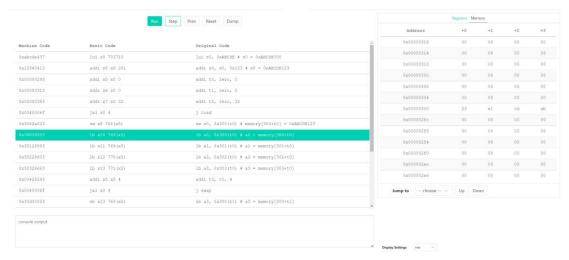
```
1 lui se, exaCCE # se = exAECCE000
2 addi 0, 2ero, 0
3 addi 10, zero, 0
5 addi 10, zero, 0
5 addi 10, zero, 0
5 addi 10, zero, 2
6
7
8 main:
9 | load
11 load
11 load
11 load
12 sx 10, 0x300(10) # memory[300+10] = 0xAECCE123
13 lb 10, 0x300(10) # memory[300+10] = 0xAECCE123
13 lb 10, 0x300(10) # memory[300+10] = 0xAECCE123
13 lb 10, 0x300(10) # al = memory[301+10]
15 lb 12, 0x302(10) # al = memory[301+10]
15 lb 12, 0x302(10) # al = memory[302+10]
16 lb 13, 0x303(10) # al = memory[302+11]
17 addi 10, 10, 4
18 j susp
19 loug:
11 lb 10, 0x300(11) # al = memory[302+11]
13 lb 10, 0x30(11) # al = memory[302
```





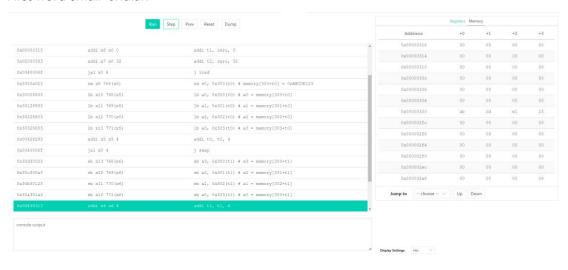
Simulation:

First word big-endian



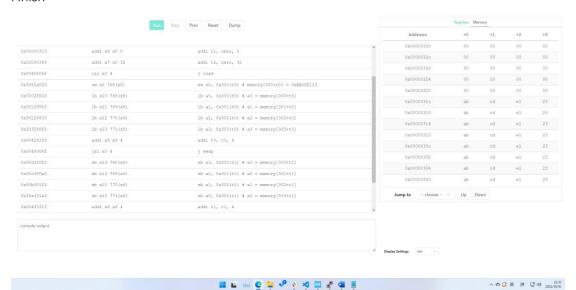


First word small-endian





Finish

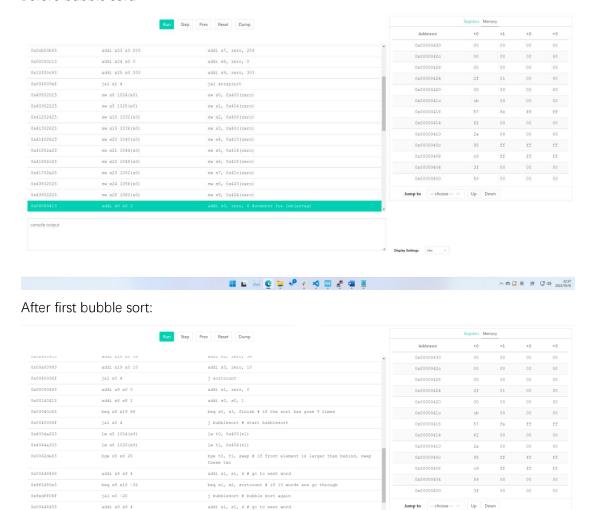


Bubblesort

Code:

Simulation:

Before bubble sort:





4 Display Settings Hex

Finish:



■ ■ ■ ② → * *** ■ ***** ↑ ■ *** **■** *** ↑ ● **②** ★ # □ *** ↑ ● **②** ★ # □ *** ↑ ● **③** ★ # □ ** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ # □ *** ↑ ● **③** ★ *** ♦ **③** ★ *** ♦ **③** ★ *** ♦ **③** ★ *** ♦ **③** ★ *** ♦ **③** ★ *** ♦ **③** ★ *** ♦ **③** ★ *** ♦ **③** ★ *