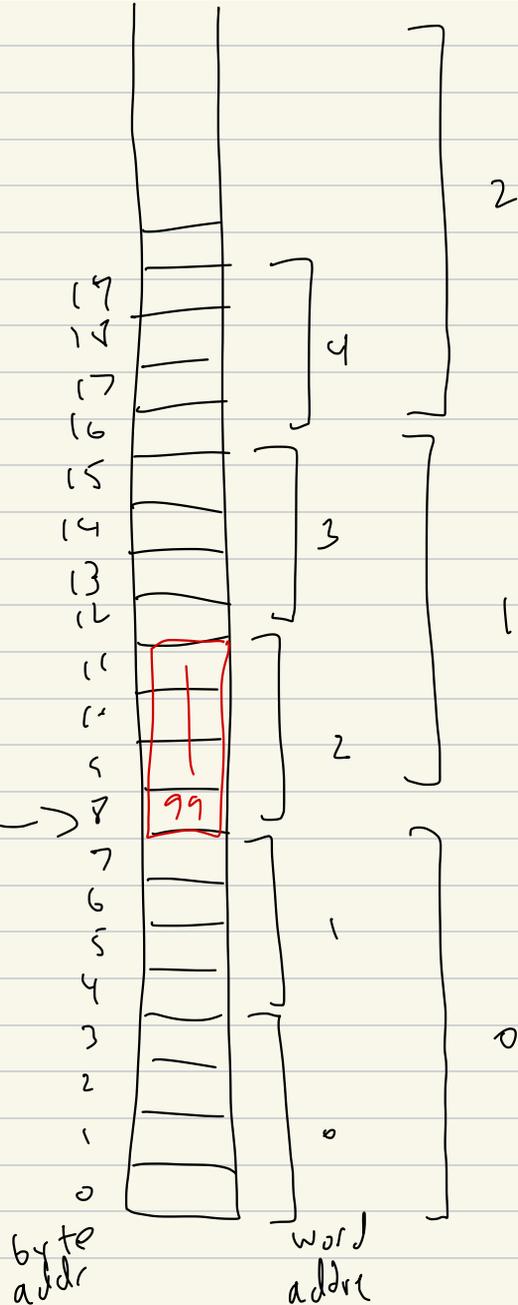int x = 99;
int *p;
int y
p = &x;

y = *p;

lw t0, (p)
t1

*p = y

sw t0, (p)
t1

19
18
17
16
15
14
13
12
11
10
9
8   99
7
6
5
4
3
2
1
0
byte
addr

4

3

2

1

0

2

1

0

word
addr

2

1

0

The Stack

STACK

$SP \rightarrow$

add $sp, sp, -16$

W₃ → W_3

W₂ → W_2

W₁ → W_1

W₀ → W_0

$SP \rightarrow$

CODE