1) A)
$$p: 0$$
$$s.x = 4$$
$$s.y = 8$$
$$next = 12$$

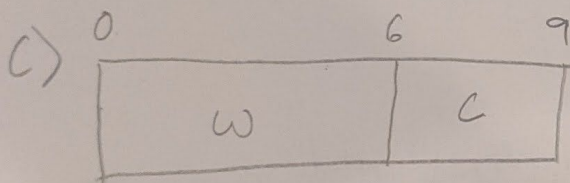B) 16 bytes

C)
$$sp \to s.x = sp \to s.y$$
$$sp \to p = \&(sp \to s.x)$$
$$sp \to next = sp$$

2) A)

0	4 5	9	10
i	c j		d

Size: 10 bytes
unaligned

B)

0	4	5	6	14
i	c	d	j	

size: 14 bytes

C)

0	6	9
w		c

size: 9 bytes

D)

0	10	24
w	c	

size: 24

E)

0	18	32
a	t	
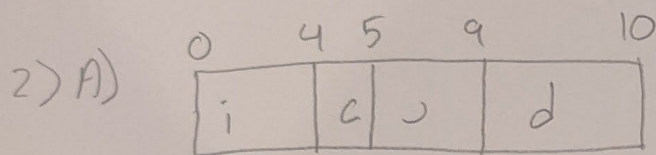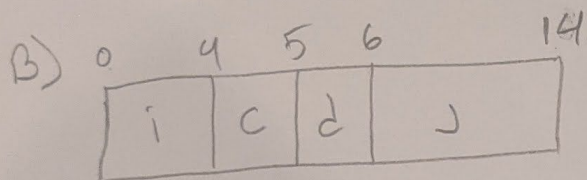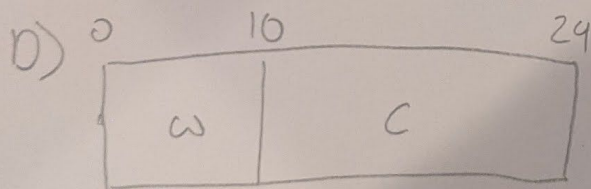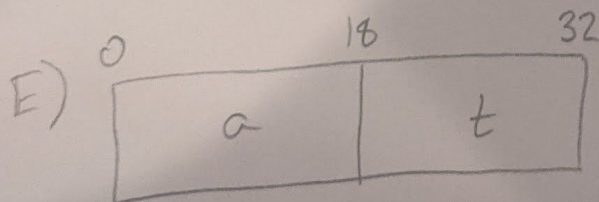
size: 32

3) a) while (tp) {

       tp = tp->right;

  }

b) traverses the right nodes of the tree until
    a leaf is reached