

Work with your neighbor. (This will be graded for participation only.)

1. (This problem was moved from ICA-10).

Slide 28: What is the diagram for z ?

2. Slide 32: What is the diagram for z ?

What is the diagram for w ?

3. Slide 39: Write the code that will produce the diagram.

4. Slide 42: What is the diagram for v ?

What is the diagram for x ?

5. Slide 43: Write the function `myfun1 ()` .

6. Slide 44: Write the function `myfun2 ()` .

7. Slides 52-58. Answer True or False:

`x is y`

`x[2] is y[2]`

`x[2][0] is y[2][0]`

`x[2] == y[2]`

`x[0] == y[0]`

`x[0] == y[1]`

`x == y`

8. Slide 67: What is the diagram for `y`? **(We may not get to this problem.)**

`x = [10, 20, 30]`

`y = [x, x]`

Draw the resulting diagram:

How many aliases (references to the same data object) are there in this diagram?