

Homework 2:

```
(1) #include <stdio.h>

(2) main(){

(3) int **x;

(4) int *y;

(5) int z;

(6) x = (int**)malloc(sizeof(int*));

(7) y = (int*)malloc(sizeof(int));

(8) z = 1;

(9) *y = 2;

(10) *x = y;

(11) **x = z;

(12) printf("%d\n", *y);

(13) z = 3;

(14) printf("%d\n", *y);

(15) **x = 4;

(16) printf("%d\n", z);

(17) return 0;

(18)}
```

Exercise:

Draw box-and-circle diagrams of the variables after line 11 and 15.

Question 1:

Which variables are aliases at each of those points?

Question 2:
What does the program print?