Ex. 0.1
Step 1 and 2 (First two assignments)

Possible Memory Address	Memory Contents	Variable Name	Memory Portion
4026	9864	х	Stack
	10402	у	
9864	2	x[0]	Heap
	5	x[1]	
	5	x[2]	
10402	3	y[0]	
	7	y[1]	
	3	y[2]	

Step 3: double[] temp = x;

Possible Memory Address	Memory Contents	Variable Name	Memory Portion
4026	9864	х	Stack
	10402	у	
	9864	temp	
9864	2	x[0] and temp[0]	Неар
	5	x[1] and temp[1]	
	5	x[2] and temp[2]	
10402	3	y[0]	
	7	y[1]	
	3	y[2]	

Step 4: x = y

Possible Memory Address	Memory Contents	Variable Name	Memory Portion
4026	10402	х	Stack
	10402	у	
	9864	temp	

9864	2	temp[0]	Неар
	5	temp[1]	
	5	temp[2]	
10402	3	y[0] and x[0]	
	7	y[1] and x[1]	
	3	y[2] and x[2]	

Step 5: y = temp;

Possible Memory Address	Memory Contents	Variable Name	Memory Portion	
4026	10402	x	Stack	
	9864	у		
	9864	temp		
9864	2	y[0] and temp[0]	Неар	
	5	y[1] and temp[1]		
	5	y[2] and		

		temp[2]
10402	3	x[0]
	7	x[1]
	3	x[2]

Step 6: x[1] = 4;

Possible Memory Address	Memory Contents	Variable Name	Memory Portion
4026	10402	х	Stack
	9864	у	
	9864	temp	
9864	2	y[0] and temp[0]	Неар
	5	y[1] and temp[1]	
	5	y[2] and temp[2]	
10402	3	x[0]	
	4	x[1]	
	3	x[2]	

Ex. 0.3

The state of memory right before the println command (the last diagram in Ex. 01):

Stack		Неар	Global
x y temp		2 5 5 3 4 3	

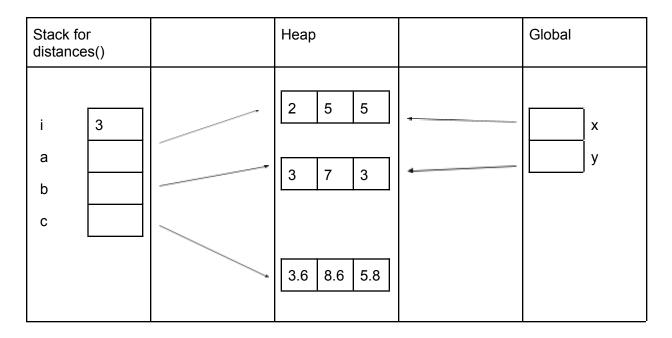
Ex. 0.5

Printed is

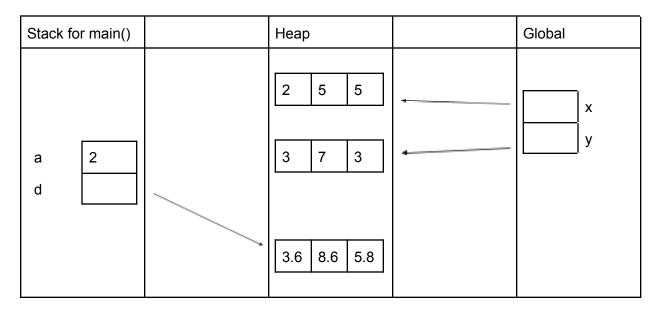
[3.605551275463989, 8.602325267042627, 5.830951894845301]

Ex. 0.6

After the last element of the c array is filled, the value inside i is **3**. At this point, the program exits the for loop.



Before main() completes



Ex. 0.9

Printed is:

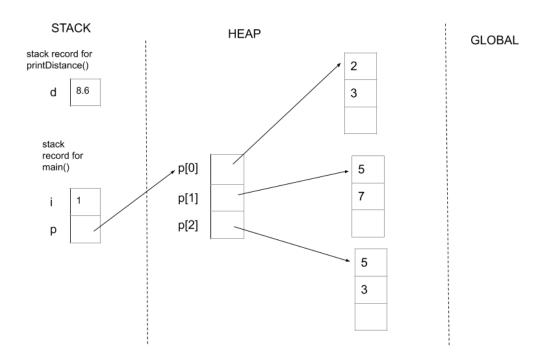
3.605551275463989 8.602325267042627

Before main() completes

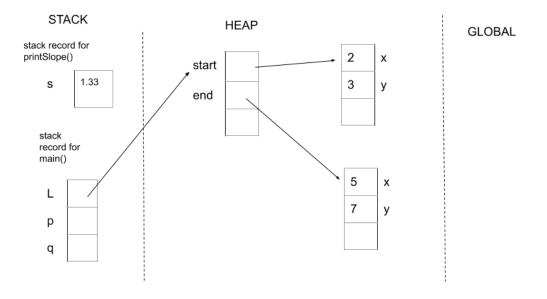
Stack	Неар	Global
record for main()	Instances of object XYPoint 2	Global

Ex. 0.13

Memory picture just before the println in the printDistance() method when it is called for the second time.

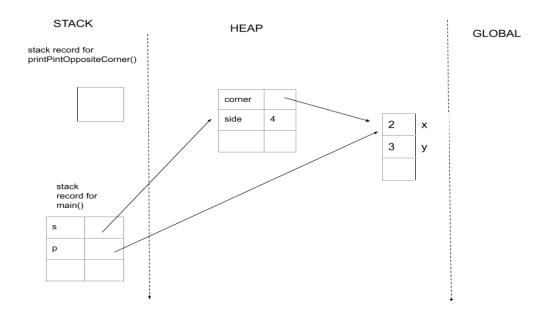


Ex. 0.15

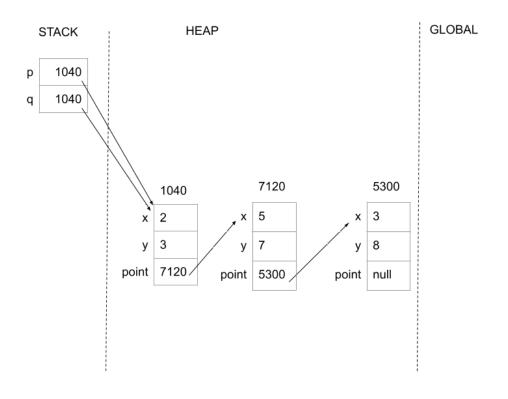


Ex. 0.16

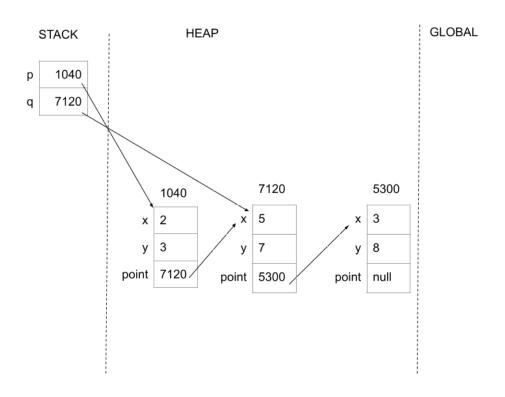
Memory picture just before println in printOppositeCorner()



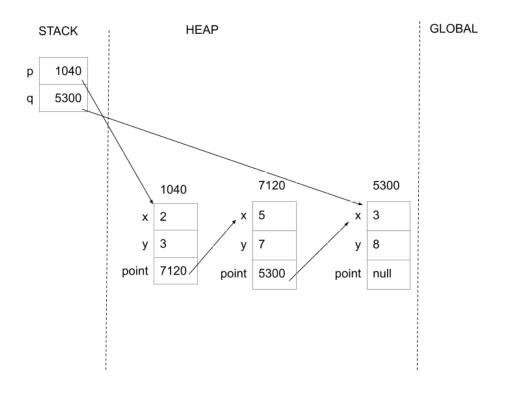
Before first println



Before second println



Before third println



Before fourth println

