public class Main {

public static void main(String[] args) {

int[] nums = {5, 2, 4, 6, 1, 3};

for (int i = 1; i < nums.length; i++) {

int key = nums[i];

int j = i - 1;

while (j >= 0 && nums[j] > key) {

nums[j + 1] = nums[j];

j--;

}

nums[j + 1] = key;

}

for (int num : nums) {

System.out.print(num + " ");

}

}

}