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Question 1:
a). B.begin()+3
b). A.end(), greater<int>()
c). B.end(),greater<int>()
d). A.end(), B.end()

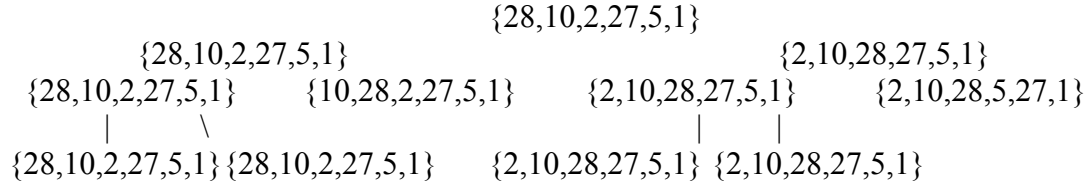
Question 2:
Yes

Question 3:
10,11,1,3,2,5,
1,10,11,3,2,5,
1,3,10,11,2,5,
1,2,3,10,11,5,
1,2,3,5,10,11,

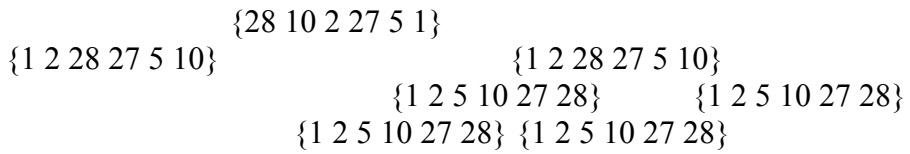
Question 4:
10,11,1,3,2,5,
1,10,11,3,2,5,
1,10,11,2,3,5,
1,10,11,2,3,5,
1,2,3,5,10,11,

Question 5:
1,10,5,3,2,11,
1,2,3,11,10,5,
1,2,3,5,10,11,

Question 6:
A).



B).



Question 7: Average running time

Insertion sort → O(n^2)

Quicksort → O(nlog(n))

Question 8:

If i+1 = k then i+1 is the correct position so no it won't recursively call. Position is found.

Question 9:

(a) what is printed by the following function call: myRecFunc1(4)

4, 2, 1, 1, 2, 4,

(b) what is the running time of myRecFunc1(n) → O(log(n))

Question 10:

(a) what is printed by the following function call: myRecFunc2(4)

4, 2, 1, 1, 2, 1, 1, 4, 2, 1, 1, 2, 1, 1,

b) running time of mrRecFunc2(int n) →O(log(n))