Question 1	1 / 1 point
Distribution Counting Sort works for input that contains duplicate values.	
✓ ● True	
- False	
Question 2	1 / 1 point
You need to store some numbers in a hash table. Collisions are handled by the closed hashing method (no chaining). The tabuckets, and the hash function is KmodN, where N is the number of buckets.	able has 4
The commands to store the items are show below, and are executed in the order given.	
Which bucket will the number 16 be stored in?	

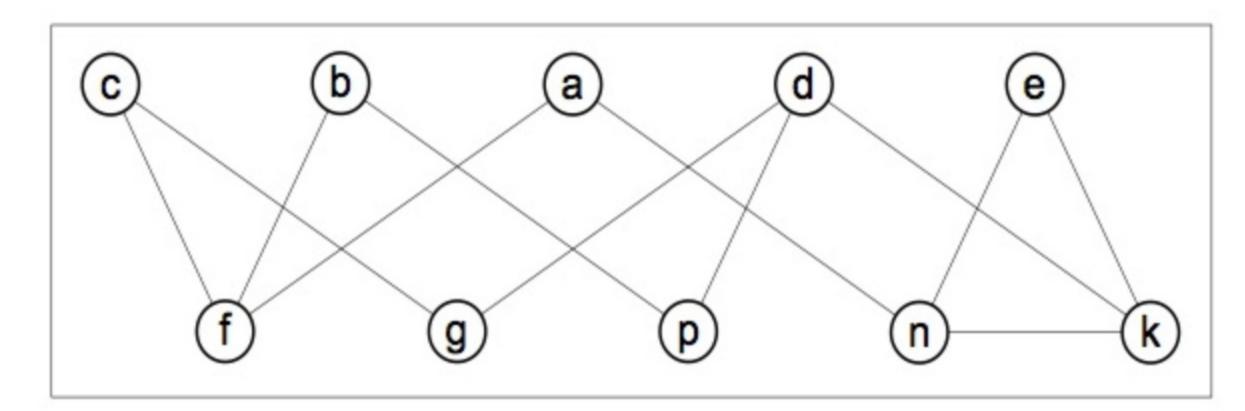
hashtable.add(12)

hashtable.add(14)

hashtable.add(16)

3

Question 3 1 / 1 point



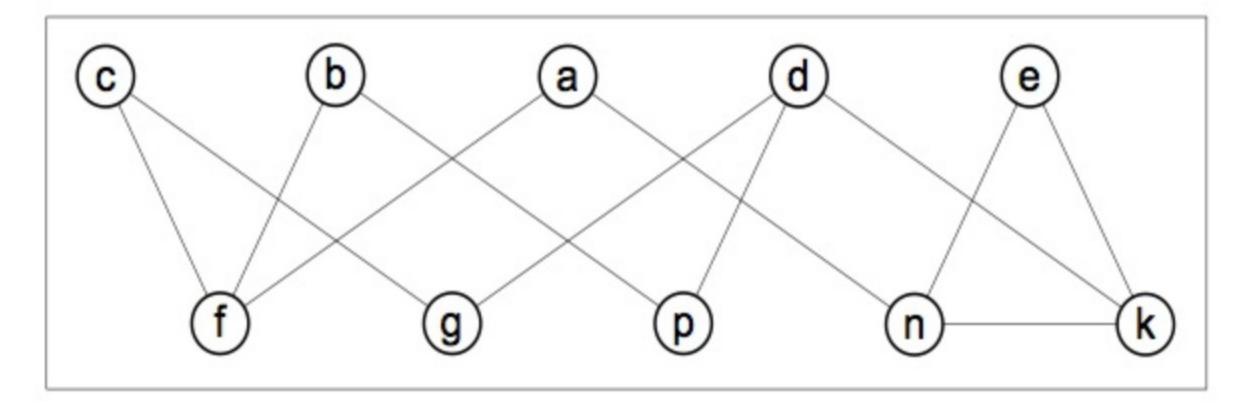
Consider the above graph. Starting at vertex a and resolving ties by the vertex alphabetical order, traverse the graph by breadth-firstsearch (bfs).

List the order of vertices based on BFS traverse.

Give your answer as a single lowercase string of vertex labels, with not spaces. For example: abcdefgpn

Answer: afnbcekpgd 🗸

Question 4 1 / 1 point



Consider the above graph. Starting at vertex a and resolving ties by the vertex alphabetical order, traverse the graph by depth-firstsearch (*dfs*).

List the order of vertices based on DFS traverse.

Give your answer as a single lowercase string of vertex labels, with not spaces. For example: abcdefgpn

Answer: afbpdgcken 🗸

Question 5 1 / 1 point

Assume you are using Horspools algorithm to search for Pattern "ABC" in Text T="ABRACADABRA".

The very first comparison made the comparison of an "A" with an "A".

True

✓ ● False