

Question 1: Hash Table Collisions

A hash table of length 15 uses open addressing (closed hashing) and double hashing with hash functions  $h_1(k) = k \bmod 15$  and  $h_2(k) = 13 - k \bmod 13$ .

Index	Value
0	75
1	
2	
3	
4	
5	20
6	
7	
8	
9	35
10	25
11	
12	
13	5
14	

This is the state of the hash table after inserting 5 values. Which of the following gives a correct order in which values might have been inserted into the hash table?

- ☐ (a) 75, 20, 35, 5, 25
- ☐ (b) 5, 20, 25, 35, 75
- ☐ (c) More than one of the insertion orders are correct
- ☐ (d) 75, 35, 25, 20, 5

Practice Exam 5

Assessment overview

Question 1

Status: unanswered

Available points: 1 ?

Total points: — /1

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