Session 9
Question 1
Which data collection should we use as chains in order to insertLast(…)?

Chain Hashing - Example

Insert the following elements with key value:
32, 47, 26, 34, 87, 39, 78, 61, 48, 66

A. Hash table
B. AVL tree
C. Array-based Sorted List
D. DHSL-based Unsorted List
E. None of the above
Question 2

What is odd about this question:

Which data collection should we use as chains in order to insert(...) in $O(\log_2 n)$?

A. Can’t do it!
B. Can do it with an AVL tree, but AVL tree cannot be used to construct chains.
C. Insert(...) should be done in $O(1)$.
D. Would force us to sort our chains.
E. None of the above
Question 3

In our Assignment 2, which data structure did we used to construct our chains?

A. Ragged arrays
B. 2 dimensional arrays
C. SHSL lists
D. DHSL lists
E. None of the above
In a chain hashing situation, what does a load factor of 3 signify?

A. There are 3 elements in each chain.
B. Client gave a good estimation of the maximum number of elements.
C. The hash function is not “good”.
D. # of elements \( \sim = 3 \times \) hash table capacity.
E. None of the above