التاريخ: / / الموضوع:

Ch.1

1.1 : $O(\log_2 n) \rightarrow \log_2(128) = 7$

1.2 : 8 $\log_2(256)$

1.3 : $O(\log n)$

1.4 : $O(n)$

1.5 : $O(n)$

1.6 $O(n/26) \rightarrow O(n)$

Ch.2

2.1 : There are alot of inserts and at the end of the month we review only the sum, so linked list is better

2.2 : linked lists are good at inserts/deletes, and arrays are good for random access, but we don't to search and random access, we need alot of inserts, so linked list is better

2.3 : we need here a random access, so array is better

2.4 : inserting in array is slower than linked list, and every time we add user we should sort the array

2.5 : it's Faster than linked list in searching and slower than array, in inserting : it's slower than linked list and Faster than array

Ch.3

3.1 : (GREET) is called First then (GREET 2) is called in (GREET2) will be implemented First then (GREET)

3.2 : it will run until the place of stack run out and stack will overFlow