ESTRUCTURA DE DATOS 1
Código ST0245

Laboratory practice No. 3: LinkedList and Dynamic vectors

Julian Rojas
Universidad Eafit
Medellín, Colombia
jrojasg1@eafit.edu.co

3) Practice for final project defense presentation

3.1 the next table only applies to exercise 1.

ArrayList	LinkedList
O(n)	O(n)

Is equals to use LinkedList or ArrayList for this problem. The complexity of ArrayList is O(n) because, in case the ArrayList is full, all elements have to be translated into a new ArrayList.
3.3 $c_1+c_2+c_3*n+c_4+c_5*n*n+c_6*n*n+c_7*n*n*n+c_8*n*n*n+c_9*n*n+n+1+c_{10}+n+c_{11}*n=$ $O(c_8*n^3)=O(n^3)$
3.4 n : No. of elements of the List.

4) Practice for midterms

4.1 d
4.2 a
4.3
    4.3.1 B
    4.3.2 D
 4.4
    4.4.1 output.append(token).append(' ');
    4.4.2 b
4.5 a
4.6 a
4.8 c
4.9
    4.9.1 c
    4.9.2 c
    4.9.3 b

PhD. Mauricio Toro Bermúdez
Professor | School of Engineering | Informatics and Systems
Email: mtorobe@eafit.edu.co | Office: Building 19 – 627
Phone: (+57) (4) 261 95 00 Ext. 9473

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4.10
  4.10.1 d
  4.10.2 a
  4.10.3 b
4.11
  4.11.1 c
  4.11.2 b
4.12
  4.12.1 return s.pop();
  4.12.2 return s.pop();
  4.12.3 return s.pop();
4.13
  4.13.1 iv
  4.13.2 i
4.14 iii

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