**Laboratorio Nro. X  
Escribir el tema del laboratorio**

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**3) Simulacro de preguntas de sustentación de Proyectos**

**3.1 1.1) O(n) because one node is created for each coordinate**

**3.3 O(n)**

**3.4 The Order of this algorithm won’t surpass O(n) because only one traversal is done over the entire string. The number of insertions to the linked list can only be at most O(n/2). For this reason, the overall time complexity still remains at o(n). Space complexity is also o(n) because additional space is required for the linked list and the resulting string.**

***4) Simulacro de Parcial***

* 1. *Res += int(vector[i])/ Complejidad O(n)*
  2. O(n)

1. ii) 2 4 6 8 10
2. O(1)
3. stack.pop() / O(1)
4. a) [7,8,3,2,1,9]