ESTRUCTURA DE DATOS 1
Código ST0245

Laboratorio Nro.4
Escribir el tema del laboratorio

Tomas Calle
Universidad Eafit
Medellín, Colombia

Juan Camilo Salazar
Universidad Eafit
Medellín, Colombia

3) Simulacro de preguntas de sustentación de Proyectos

3.1 O(nlog(n))

To solve this problem we used an oct-tree. Because we had to break 3 dimensional space into 4 cubes of equal volume. We used an act tree to recursively divide space into ever decreasing cubes.
The complexity of the algorithm is O(nlog$_8$(n)) because in the worst case scenario all bees would have the same location.

3.) O(nlogn)
3.5) n sería el número de elementos de la lista

4) Simulacro de Parcial

4.1 *b,d*
4.2 1. 1.The most distant relative other than the root. 2.O(nlog(n)) where n is the amount of vertices 3.Create an if that compares both nodes n1 and n2 with the data of each node with the relationship of <.
4.3 1. return true; O(Max(n,m));
4.4 *1. a; 2. a; 3. d; 4. a*
4.5 a) p.data==toInsert; b) p.data>toInsert;

PhD. Mauricio Toro Bermúdez
Docente | Escuela de Ingeniería | Informática y Sistemas
Correo: mtorobe@eafit.edu.co | Oficina: Bloque 19 – 627
Tel: (+57) (4) 261 95 00 Ext. 9473