Laboratory practice No. 4: Hash tables and binary search trees

Dayana Paola Arrieta Regino
Universidad Eafit
Medellín, Colombia
dparrietar@eafit.edu.co

Juan José Quintana Guzmán
Universidad Eafit
Medellín, Colombia
jjquintang@eafit.edu.co

3) Practice for final project defense presentation

3.1 The bee algorithm was made with hash tables, this helped the time complexity efficiently, this complexity is O(1) to find the bees or any requirement.
3.4 O(log n)
3.5 n is the array length

4) Practice for midterms

4.1

- B
- D

4.2

1 nearest common ancestor
2 O(n)
3 to an AVL

4.3

1 return true
2 complexity: O(m+n)

4.4

- C
- A
- D
- C

4.5

- p != null
- toInsert > p

4.7

- a
- 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

4.7.3 d

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