

Laboratory practice No. 2: Big O Notation

Juan Sebastián Pérez Salazar
Universidad Eafit
Medellín, Colombia
jsperezs@eafit.edu.co

Yhoan Alejandro Guzmán García
Universidad Eafit
Medellín, Colombia
yaguzmang@eafit.edu.co

3) Practice for final project defense presentation

- 1.
- 2.
- 3.

4) Practice for midterms

1. C) $O(n + m)$
2. D) $O(m \times n)$
3. B) $O(\text{ancho})$
4. B) $O(n^3)$
5. D) $O(n^2)$
6. A) $T(n) = T(n - 1) + C$
7. 7.1 $T(n) = T(n - 1) + C$
7.2 $O(n)$
8. B) The mystery function(n) executes $O(n \cdot \text{raiz}(n))$
9. D) It executes more than $n \times m$ steps
10. C) It executes less than $n \cdot \log(n)$ steps
11. C) It executes $T(n) = T(n - 1) + T(n - 2) + C$ steps
12. B) $O(m \cdot \text{raiz}(n))$
13. A) $O(n^3)$

5) Recommended reading (optional)

- a) Title
- b) Main ideas
- c) Concept map

6) Team work and gradual progress (optional)

- a) Meeting minutes
- b) History of changes of the code

PROFESSOR MAURICIO TORO BERMÚDEZ
Phone: (+57) (4) 261 95 00 Ext. 9473. Office: 19 - 627
E-mail: mtorobe@eafit.edu.co

	UNIVERSIDAD EAFIT SCHOOL OF ENGINEERING DEPARTMENT OF INFORMATICS AND SYSTEMS	Code: ST245
		Data Structures 1

c) History of changes of the report