

## Laboratory practice No. 2: Brute Force

**Juan Felipe Londoño**  
Universidad Eafit  
Medellín, Colombia  
Jflondonog@eafit.edu.co

**Juan Pablo Giraldo Restrepo**  
Universidad Eafit  
Medellín, Colombia  
jpgiraldor@eafit.edu.co

### 3) Practice for final project defense presentation

1. Other techniques exist such as backtracking, greedy algorithm, multithreaded search and others.
- 2.

Queens	
4	1
5	1
6	1
7	1
8	2
9	5
10	17
11	98
12	499
13	3353
14	2329
15	205336
16	1259397
17 and above	More than 50 minutes
N	$O(N^N)$

3.

### 4) Practice for midterms

1.
  - $Actual > maximo$
  - $N^2$
2.
  - $Return(arr, k+1)$
  - $O(n!)$
- 3.

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

- *Return i*
- *Return n*
- *O(n\*m)*

**4.**

- *Temp/10*
- *b*

**5) Recommended reading (optional)**

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

**6) Team work and gradual progress (optional)**

- a)** 30
- b)** History of changes of the code
- c)** History of changes of the report