

Nome: \_\_\_\_\_ I.D.: \_\_\_\_\_

Read the exam carefully.  
Multiple choice questions can have **multiple** correct answers.  
*Good Luck!*

## I Introduction

1. (0 pontos) Calculate the following Big-O notation  $3 \cdot \theta(n^2) + \theta(N)$ :

**Solução:**

$\theta(n^2)$

2. Answer the following group



Fig. 1: Python logo

- 2.1. Who developed Python (Fig. 1)?

**Solução:**

Guido van Rossum

- 2.2. (1 ponto) Which of the following programming languages are generally interpreted?

- A. Go
- B. Python**
- C. R**
- D. C++

## II Final Section

3. (3 pontos) The C language was designed at Bell Labs by Dennis Ritchie.
4. The Go language was developed at Google.