

# **Destravando Prova 01**

## **prática AEDS II**



# Prova Prática



- Não consideram tanto o seu raciocínio como falam
- 2 questões (50min cada)
- Sem consulta a internet
- Arquivo sem o “package”

A screenshot of a Java code editor window. The title bar shows the file name "LevelOrderTreeTraversal\_1466.java". The code content is as follows:

```
1 package beecrowd.nvl_7_graph;  
2  
3 import java.util.LinkedList;  
4 import java.util.Queue;  
5 import java.util.Scanner;  
6  
7 class Nodle{  
8     private Nodle left, right;  
9     private int number;  
10  
11     public Nodle(){  
12         left = right = null;  
13     }  
14 }
```

Two red arrows originate from the text "sem o 'package'" in the list above. One arrow points to the line "package beecrowd.nvl\_7\_graph;" and the other points to the class name "Nodle" in the "class Nodle{" declaration.

# Como estudar para as práticas ?



Provas antigas



# Como procurar questões?

HOME PROFILE NEWS OPPORTUNITIES ACADEMIC CONTESTS PROBLEMS SUBMISSIONS RANKS SIGN OUT



TOP 20

Prof.MozarSilva  
xTecná  
WesleyDias  
kirito-kun  
UITS\_Bangladeshi\_...  
feodory  
MayconAlves  
gduarte  
eldsmonteiro  
Nazmul\_Hasan\_Nihal  
GabrielPortela  
rdorneles  
pollicarpo  
EsraelSousa-IFCE\_...  
youtube.comFelipe...  
lfvtrivelatto  
drangelp  
ljoaquim0  
GersonVinicius  
EduardoTheodoro

3/11/24, 11:01 PM



## CATEGORIES

SELECT ONE OF THE 9 BIG CATEGORIES OF PROBLEMS TO BEGIN SOLVING.

1

### BEGINNER

Basic problems for anyone who has just started to program...

336 PROBLEMS

2

### AD-HOC

Simulation Problems, Dates, Games and general Ad-Hoc...

849 PROBLEMS

3

### STRINGS

Palindromes, Frequency, Ad-Hoc, LCS, String Manipulation...

148 PROBLEMS

4

### DATA STRUCTURES AND LIBRARIES

Queue, Stack, Sort, Map, Set...

179 PROBLEMS

5

### MATHEMATICS

Number Theory, Prime Numbers, Combinatorics, BigInteger...

269 PROBLEMS

6

### PARADIGMS

Dynamic Programming, Binary Search, Greedy, Backtracking ...

215 PROBLEMS

7

### GRAPH

Flood Fill, MST, SSSP, DAG, Maximum Flow, Tree...

277 PROBLEMS

8

### COMPUTATIONAL GEOMETRY

Points and Lines, Polygon...

83 PROBLEMS

9

### SQL

Query Languages: Select, Insert, Update, Create

50 PROBLEMS



### LIST ALL

All the problems of the website in one place.

2406 PROBLEMS



### AUTHORS

All available problems grouped by author.

342 AUTHORS



### ORIGINS

All available problems grouped by contests or events.

215 ORIGINS

Prova 01

Prova 02

Prova 03

# O que fazer quando estiver “garrado” ?

<https://github.com/fermariano/AEDS2/tree/main/beecrowd>

**Monitores**

GPT

<https://github.com/thomneuenschwander/Algorithms-problems>


Java ou C

<https://judge.beecrowd.com/en/problems/view/2174>





# Pomekon Collection

By Gabriel Duarte, UNIFESO  Brazil

**Timelimit: 1**

Since it was officially released Pomekon in Brazil, Dabriel is trying to realize his biggest dream: Being a Master Pomekon. His goal is to conquer the 151 Pomekons available. He managed to capture many monsters, but in his city appear many repeated Pomekons, causing he to capture several times the same Pomekon.

Seeing that his bag is pretty full, Dabriel asked you to do a computer program to inform him how many Pomekons are missing to complete the collection.

## Input

The first line of the test case consists of an integer **N** ( $1 \leq N \leq 10^3$ ), representing the amount of Pomekons that Dabriel already captured.

The next **N** lines consists of a string **S** ( $1 \leq |S| \leq 10^3$ ) representing the name of each Pomekon. The name of each Pomekon consists only of uppercase and lowercase letters.

## Output

You should print: "Falta(m) **X** pomekon(s).", where **X** is the amount Pomekons not captured.

**Input Samples****Output Samples**

7

Charmander

Caterpie

Pidgeot

Rattata

Zubat

Zubat

Zubat

Falta(m) 146 pomekon(s).

8

Zubat

Zubat

Zubat

Zubat

Zubat

Zubat

Zubat

Zubat

Falta(m) 150 pomekon(s).



# Ajuda

Zubat	Venomoth	Zubat	Psyduck	Zubat	Psyduck
-------	----------	-------	---------	-------	---------



Zubat	Venomoth	Psyduck
-------	----------	---------

# Ajuda

array

Zubat	Venomoth	Psyduck
-------	----------	---------

```
Const numFound = array.length( );
```

```
print("Falta(m) " + 151 - numFound + "pokemon(s) \n");
```

# Para Casa

<https://judge.beecrowd.com/en/problems/view/1238>

<https://judge.beecrowd.com/en/problems/view/3358>