The Missing Numbers

Principles of Programming Languages Project

Rules

- Not Mandatory

- You will get a grade between 0 and 2

- Deadline: May 20th, 2016 at 23.59

- No group working

- The grade will be taken into account for 1 year

The Missing Numbers

Given a data structure containing non-negative numbers

return the missing numbers between the minimum and maximum values

```
missing([6, 1, 3], X).

X = 2 ; X = 4 ; X = 5
```

Exercise

Write the `missing/2` function for the following data structures:

· **List**

```
missing([1, 5, 3], X).
```

· **Nested Lists:**

```
missing([1, [5, [7, 0], 6], 3], X).
```

· **Terms:**

```
missing(p(f(0, 5, 1), k(8, f(7,3), h(6)), 5), X).
```

```
X = 2 ; X = 4
```

Happy Coding

Send your implementation file to:

giovanni.quattrocchi@polimi.it