The email address you signed up with has not been verified. You won't be ranked on the leaderboard until you verify your account.

Re-send the verification email

Security - functions

Authored by dheeraj on *May 03 2015*

Problem | Submissions | Leaderboard | Discussions

Problem Statement

Before we jump into the concepts of Security, let us familiarize ourselves with the mathematical background required for it.

A set X is a collection of elements. $X = \{1, 2, 3\}$ is one such example. A collection of integers is also a set.

Given two sets X and Y, we define a function f which maps every element in X to precisely 1 element in Y.

if $X = \{1, 2, 3\}$ and $Y = \{\alpha, \beta, \gamma, \delta\}$ a function f can be

$f(1) = \alpha$, $f(2) = \gamma$ and $f(3) = \delta$.

Let us define a function $f_1(x) = x_r$, such that $x \in X$ and $x_r \in Y$
where x_r is defined as the remainder of x when divided by 11.

Your task is to complete the function which takes the input x and **returns** x_r

Constraints

$1 \leq x \leq 1000$

Suggest Edits

598 hackers have submitted code

Share

Download PDF

Current Buffer (saved locally, editable) C++

```
/*
 * Complete the function below.
 */
int function(int x) {
```

```
5       return x % 11;
6   }
7
8
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code