# Security Functions

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

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

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

If $X = \{1, 2, 3\}$ and $Y = \{\alpha, \beta, \gamma, \delta\}$, the function $f$ will return:

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

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

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

**Constraints**

$1 \leq x \leq 1000$