**Objective**

You have a large collection of old video games and you are wondering which period they cover. To do so, you need to determine what is the longest period between two release dates of your games.

**Data**

Input

Row *1*: an integer **N** representing the number of games in your collection.

Rows *2* to **N**+1: an integer representing the release year of a given game.

Output

An integer representing the largest difference (expressed in number of years) between two release years of games in your collection.

You can download sample input and output data files to work locally by clicking on the link at the bottom of the French version of the question



Téléchargez des fichiers d'exemple ainsi qu'un modèle de code pour travailler localement.