## Problem B. MST

Input file:
Output file:
Time limit:
Memory limit:
standard input
standard output
2 seconds
256 mebibytes

You are given an array $x_{1}, x_{2}, \ldots, x_{n}$.
Let's create an undirected graph on $n$ vertices, which is initially empty.
After that, for each pair $(u, v)$ such that $u<v$ let's add to the graph edge between vertices $u$ and $v$ with weight $x_{v}-x_{u}$.
Your goal is to find the weight of the minimum spanning tree in this graph.

## Input

The first line of input contains one integer $t(1 \leq t \leq 300000)$ : the number of test cases.
The first line of each test case contains one integer $n(1 \leq n \leq 300000)$ : the number of integers in the given array. The next line of each testcase contains $n$ space-separated integers $x_{1}, x_{2}, \ldots, x_{n}\left(-300000 \leq x_{i} \leq 300000\right)$ : the given array.
It is guaranteed that the sum of $n$ is at most 300000 .

## Output

For each test case one integer: the weight of the minimum spanning tree in the described graph.

## Example

|  |  | standard input |  | standard output |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 2 |  |  |  | 4 |  |
| 5 |  |  |  | -35 |  |
| 1 | 2 | 3 | 4 | 5 |  |
| 3 |  |  |  |  |  |
| 10 | 45 | 10 |  |  |  |

