

***Input Format----**

First line of the input file contains a single integer T , the number of test cases.
Every test case starts with a line containing the integer N .
The next line contains N space separated integers where the i -th integer is $S[i]$.

***Output Format-----**

For each test case, output a single line containing the minimum difference that is possible.

***Constraints**

$$1 \leq T \leq 10$$

$$2 \leq N \leq 5000$$

$$1 \leq S[i] \leq 1000000000$$