

Atten-hut

Jojo is a senior army officer. Every morning, he will call members of every squadron to stand in the field in a sorted order based on their squadron number. A list is sorted if $A_i \leq A_j$ and $i \leq j$. Given the list of squadron numbers of every soldier standing in the field, help Jojo find out how many distinct squadrons are there.

Format Input

A line with integer N followed by another line of N numbers denoting the value of A_i .

Format Output

A single line of integer denoting the number of distinct squadrons.

Constraints

- $1 \le N \le 10^5$
- $1 \le A_i \le 10^9$

Sample Input 1

5 1 1 3 5 6

Sample Output 1

4

Sample Input 2

4 1 1 1 1

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Sample Output 2

1

Sample Input 3

7

5 15 46 56 61 73 100

Sample Output 3

7

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Jojo adalah seorang panglima TNI. Setiap pagi, dia akan memanggil semua prajurit dari setiap kelompok untuk berbaris terurut sesuai dengan nomor kelompok mereka. Suatu barisan dapat dikatakan terurut jika $A_i \leq A_j$ dan $i \leq j$. Diberikan nomor-nomor kelompok prajurit tersebut, bantulah Jojo menentukan berapa kelompok prajurit berbeda yang hadir.

Format Input

Satu baris berisi bilangan bulat N diikuti oleh satu baris berisi N angka yang menyatakan nilai dari A_i .

Format Output

Satu baris berisi bilangan yang menyatakan jumlah kelompok berbeda.

Constraints

- $1 \le N \le 10^5$
- $1 \le A_i \le 10^9$

Sample Input 1

5 1 1 3 5 6

Sample Output 1

4

Sample Input 2

4 1 1 1 1

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Sample Output 2

1

Sample Input 3

7

5 15 46 56 61 73 100

Sample Output 3

7

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