

### C. Nested Segments

time limit per test: 1 second

memory limit per test: 1024 megabytes

input: standard input

output: standard output

Given an array of  $2n$  numbers, each number from 1 to  $n$  in it occurs exactly twice. We say that the segment  $y$  is nested inside the segment  $x$  if both occurrences of the number  $y$  are between the occurrences of the number  $x$ . Find for each segment  $i$  how many segments that are nested inside it.

#### Input

The first line contains the number  $n$  ( $1 \leq n \leq 10^5$ ), the second line contains  $2n$  numbers. It is guaranteed that every number from 1 to  $n$  occurs exactly twice.

#### Output

Print  $n$  numbers, the  $i$ -th number is equal to the number of segments nested inside the segment  $i$ .

#### Example

input	Copy
5 5 1 2 2 3 1 3 4 5 4	
output	Copy
1 0 0 0 3	

→ Submit?

Language:

GNU G++20 13.2 (64 bit, win

Choose file:

Choose File

No file chosen

Submit