Kempt Kale

Input file:	`standard input`
Output file:	`standard output`
Time limit:	2 seconds
Memory limit:	1024 megabytes

Mr. Nežmah has started a kale farm. He wants to grow a total of n pieces of kale in the following $2n$ days. On the i-th day, Nežmah can:

- plant a piece of kale with tastiness a_i,
- harvest a piece of kale.

Of course, every time Nežmah decides to harvest a piece of kale, there must exist at least one piece that was planted on a prior day and hasn't been harvested yet.

The total tastiness is equal to the sum of the tastiness of all kale Nežmah harvests. Help Nežmah devise a plan to maximize the total tastiness!

Input

The first line contains a single integer t ($1 \le t \le 2 \cdot 10^4$) — the number of test cases.

The first line of each test case contains a single integer n ($1 \le n \le 2 \cdot 10^5$).

The second line of each test case contains the array a ($1 \le a_i \le 10^9$).

It's guaranteed that the sum of n over all test cases does not exceed $2 \cdot 10^5$.

Output

For each test case, output n numbers, the days Nežmah should plant kale. If there are multiple solutions, you can output any of them.

Example

standard input	standard output
3 1 4 3 3 1 2 4 9 6 3 2 5 100 100 200	1 1 3 4 1 3

Note

In the 1st test case, the maximum tastiness is 4.

In the 2nd test case, the maximum tastiness is $1 + 4 + 9 = 14$.

In the 3rd test case, the maximum tastiness is $5 + 100 = 105$. Note that 1, 2 would be accepted as well, as it gives the same sum.