Problem K. K

Time limit 2000 ms
Mem limit 1048576 kB

Problem Statement

We have 4 cards with an integer 1 written on it, 4 cards with 2, . . ., 4 cards with N, for a total of $4N$ cards.

Takahashi shuffled these cards, removed one of them, and gave you a pile of the remaining $4N - 1$ cards. The i-th card $(1 \leq i \leq 4N - 1)$ of the pile has an integer A_i written on it.

Find the integer written on the card removed by Takahashi.

Constraints

- $1 \leq N \leq 10^5$
- $1 \leq A_i \leq N \, (1 \leq i \leq 4N - 1)$
- For each $k \, (1 \leq k \leq N)$, there are at most 4 indices i such that $A_i = k$.
- All values in input are integers.

Input

Input is given from Standard Input in the following format:

N
$A_1 \ A_2 \ \ldots \ A_{4N-1}$

Output

Print the answer.

Sample 1

Input	Output
3 1 3 2 3 3 2 2 1 1 1 2	3

Takahashi removed a card with 3 written on it.

Sample 2

Input	Output
1 1 1 1	1

Sample 3

Input	Output
4 3 2 1 1 2 4 4 4 4 3 1 3 2 1 3	2