Problem A

You need to find the index (0-based) of a given key in an array.

Input:
First line: n, a number. (1<=n<=10^5)
Next n lines: an integer v (-2147483648<=v <=2147483647)
Next line: m, a number (1<=m<=10^5), the number of keys.
Next m lines: an integer q (-2147483648<= q <=2147483647), the key to be searched for.

Output:
m lines, each containing the index of the keys. If element is not found print -1.

Sample Case:

Input	Output
5 -3 -4 2 6 7 3 -4 6 1	1 3 -1

Problem B

Input:
First line: n, a number (1<=n<=10).

Output:
Each line will contain a list of space-separated digits where,

- The list contains n digits.
- The digits in the list are 0-4 (inclusive)
- The odd indexed digit in the list is an odd digit
- The even indexed digit in the list is an even digit

The lists will be printed in sorted order. Example: {0, 1, 0} before {0, 1, 2}.

Sample Case:

Input	Output
2	0 1 0 3 2 1 2 3 4 1 4 3
3	0 1 0 0 1 2 0 1 4 0 3 0 0 3 2 0 3 4 2 1 0 2 1 2 2 1 4 2 3 0 2 3 2 2 3 4 4 1 0 4 1 2 4 1 4 4 3 0 4 3 2 4 3 4