Numerical Error

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

You are given a sequence of positive integers $A = (A_1, A_2, \ldots, A_N)$ of length N.

Determine whether there exist subsets $X, Y \subseteq \{1, 2, \ldots, N\}$ that satisfy all of the following conditions. If such subsets exist, output one example.

- $0 < |X| = |Y|$
- X and Y are different as sets
- Let $s_X = \sum_{x \in X} \frac{1}{A_x}$ and $s_Y = \sum_{y \in Y} \frac{1}{A_y}$. Then $|s_X - s_Y| \leq 10^{-5}$ holds.

Input

The input is given in the following format:

N
$A_1\ A_2\ \ldots\ A_N$

- All input values are integers.
- $2 \leq N \leq 1000$
- $1 \leq A_i \leq 10^5$

Output

If there do not exist subsets X, Y satisfying the conditions, output `No`.

If they exist, let $M = |X| = |Y|$. Let the elements of X in ascending order be $X_1, X_2, \ldots, X_M$, and the elements of Y in ascending order be $Y_1, Y_2, \ldots, Y_M$. Output in the following format:

Yes
M
$X_1\ X_2\ \ldots\ X_M$
$Y_1\ Y_2\ \ldots\ Y_M$

If multiple valid pairs X, Y exist, any one of them may be output.

Examples

standard input	standard output
10 31 41 59 26 53 58 97 93 23 84	Yes 5 1 2 5 7 9 1 2 3 4 6
7 2 3 5 7 11 13 17	No
8 123 456 789 314 159 265 271 828	Yes 4 2 4 5 7 1 2 3 6

Note

In the first example, $s_X = \dfrac{1}{31} + \dfrac{1}{59} = 0.04920721705\ldots$ and $s_Y = \dfrac{1}{26} + \dfrac{1}{93} = 0.04921422663\ldots$, hence $|s_X - s_Y| \leq 10^{-5}$ holds.