

Problem: ORANGES

Time Limit: 1.0 seconds

Memory Limit: 64 MB

Problem Description Jacob has been planting orange trees in his new orange garden. He has N different orange trees, with each orange tree i producing A_i oranges. It is guaranteed that each orange tree produces a different number of oranges. Every day has been fine and happy until one day, the government orders Jacob to give up his orange tree land! Oh no! Jacob, being very sentimental, has decided to keep two of his orange trees that produce the most oranges. Help Jacob find out which two orange trees he should keep.

Input Format The first line of input will contain one integer, N . The second line of input will contain N integers, with the i th integer representing A_i .

Output Format The output should contain two integers, the indices of the orange trees that Jacob should keep. Note that they should be in ascending order, meaning the first index must be lower than the second index.

Limits These are the bounds on the input.

Subtask	Score	Additional Bounds
1	17	$2 \leq N \leq 3,000, 1 \leq A_i \leq N$
2	33	$2 \leq N \leq 500,000, 1 \leq A_i \leq 10^9$
3	50	$2 \leq N \leq 500,000, 1 \leq A_i \leq 10^{18}$

Sample Input

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5
1 9 2 5 3
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Sample Output

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2 4
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