Z Series

Hanifa was studying functional mathematics. While studying, she got introduced to a Z-series. The Z-series is defined as follows : Z[i] = Z[i-1] + Z[i-2] + 1. For example, {2,3,6,10} is a Z series. Hanifa is given few numbers. Her task is find out the Z-series, with maximum size, out of the given numbers. If there are multiple Z-series with maximum size, print the Z-series with smallest number. Help poor Hanifa out!

Input Format

The first line contains N - (the number of elements) Second line contains an array of N elements.

Constraints

1 <= N <= 1000

1 <= A[i] <= 1000, for each i (1 <= i <= N)

Output Format

Print the Z-series with maximum size, in a single line, separated by space.

Sample Input 0

```
7
2 3 4 5 6 7 10
```

Sample Output 0

```
2 3 6 10
```

Explanation 0

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The possible Z-series of size 3 are :
    2 3 6
    2 4 7
    2 7 10
    3 6 10
    4 5 10
The possible Z-series of size 4 are :
    2 3 6 10
Since it is the only Z-series of the longest size, we print it as the output.
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Sample Input 1

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4
1 2 5 9
```

Sample Output 1

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No Zseries
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