```
Given an array of integers, reverse the given array in place using an index and loop rather than a built in function
Example
arr - (1, 3, 2, 4, 5)
Return the array (5, 4, 2, 3, 1) which is the reverse of the input array.
Function Description
Complete the function reverseArray in the editor below
reverseArray has the following parameter(s):
int arrini: an array of integers
Return
int[n]: the array in reverse order
Constraints
1 s n s 100
0 < ort[i] \le 100
Input Format For Custom Testing
The first line contains an integer, is, the number of elements in un-
Each line i of the n subsequent lines (where 0 \le i \le n) contains an integer, an(i).
Sample Case 0
Sample Input For Custom Testing
Sample Output
5
Explanation
The input array is [1, 3, 2, 4, 5], so the reverse of the input array is [5, 4, 2, 3, 1].
Sample Case 1
Sample Input For Custom Testing
17
10
21
45
Sample Output
45
21
10
17
Explanation
The input array is [17, 10, 21, 45], so the reverse of the input array is [45, 21, 10, 17].
Answer: (penalty regime: 0 %)
  Reset answer
            Complete the 'reverseArray' function below.

    The function is expected to return an INTEGER ARRAY.
    The function accepts INTEGER ARRAY are as parameter.

    8 . /
         * to return the integer array from the function, you should:
                 - Store the size of the array to be returned in the result count variable - Allocate the array statically or dynamically
   10
   11
   12
         * For example,
* ist* return integer array using static allocation(int* result count) (
   13
   14 .
   15
   16
   17
                 static int a[5] - {1, 2, 3, 4, 5}}
   18
   19
                 return as
         . 1
   20
   23
```

* Int* return_integer_array_using_dynamic_allocation(int* result_count) {

22 -

Sample Case 0

Sample Input For Custom Testing

```
STDIN Function
```

```
4 - lengths[] size n = 4
3 -- lengths[] = [3, 5, 4, 3]
5
4
3
9 -- minLengths= 9
```

Sample Output

Possible

Explanation

The uncut rod is 3 + 5 + 4 + 3 = 15 units long. Cut the rod into lengths of 3 + 5 + 4 = 12 and 3. Then cut the 12 unit piece into lengths 3 and 5 + 4 - 9. The remaining segment is 5 + 4 - 9 units and that is long enough to make the final cut.

Sample Case 1

Sample Input For Custom Testing

```
STDIN Function
```

```
3 - lengths[] size n = 3
5 - lengths[] = [5, 6, 2]
6
2
12 - minLength- 12
```

Sample Output

Impossible

Explanation

The uncut rod is 5 + 6 + 2 = 73 units long. After making either cut, the rod will be too short to make the second cut.

Answer: (penalty regime: 0 %)

Reset answer

```
1 Fincludecstring.ho
    wincludecardlib.ho
  3 - char* cutThemAll(int lengths_count, long *lengths, long mintength) (
         int cuttableCount-0;
          for(int i-H;ic-lengths_count;i++) (
 5.
              if(lengths[i] -minLength) [
 6.
                   cuttableCount++;
 8
10
         char "result-mallor(%0 * sizeof(char));
if(cuttableCount — lengths_count) {
11
12 -
          strcpy(result, "Impossible");
}else if(cuttableCounti-lengths_count) {
13
14 +
               stropy(result, "Possible");
15
16
17
         return result;
19
```

```
return a:
       * 7
30
33
34
     int * reverseArray(int arr_count, int *arr, int *result_count) (
35.
           int "reversed-malloc(arr_count = sizeof(int));
for(int i-0;!carr_count;!++) {
    reversed[i]-arr[arr_count-1-i];
37
38
19
41
           return reversed;
43
44
      1
44
```

An automated cutting machine is used to cut rods into segments. The cutting machine can only hold a rod of minlength or more, and it can only make one cut at a time. Given the array lengths representing the desired lengths of each segment, determine if it is possible to make the necessary cuts using this machine. The rod is marked into lengths already, in the order given.

Example

```
n = 3

lengths = [4, 3, 2]

mintength = 7
```

The rod is initially sam(lengths) = A + 3 + 2 = 9 units long. First cut off the segment of length A + 3 = 7 leaving a rod 9 - 7 = 2. Then check that the length 7 rod can be cut into segments of lengths 4 and 3. Since 7 is greater than or equal to minLength = 7, the final cut can be made. Return "Possible".

Example

```
n - 3

lengths = fd, 2, 37

minLength = 7
```

The rod is initially sum(lengths) = 4 + 2 + 3 = 9 units long. In this case, the initial cut can be of length 4 or 4 + 2 = 6. Regardless of the length of the first cut, the remaining piece will be shorter than minlength. Because n = 1 = 2 cuts cannot be made, the answer is "Impossible".

Function Description

Complete the function cutThemAll in the editor below.

```
cutThemAll has the following parameter(s):
int lengths(n): the lengths of the segments, in order
```

int minLength: the minimum length the machine can accept

Returns

string: "Possible" if all n-1 cuts can be made. Otherwise, return the string "Impossible".

Constraints

```
2 < n < 10^5
```

- $1 \le lengths[i] \le 10^9$
- The sum of the elements of lengths equals the uncut rod length.