```
Question 1
                     Given an array of integers, reverse the given array in place using an index and loop rather than a built-in function.
Correct
                     Example
 Marked out of
1.00
                     arr = [1, 3, 2, 4, 5]
                     Return the array [5, 4, 2, 3, 1] which is the reverse of the input array.
₹ Flag question
                     Function Description
                     Complete the function reverseArray in the editor below.
                     reverseArray has the following parameter(s):
                     int arr[n]: an array of integers
                     int[n]: the array in reverse order
                     Constraints
                     1 ≤ n ≤ 100
                     0 < arr[i] \leq 100
                     Input Format For Custom Testing
                     The first line contains an integer, n, the number of elements in arr.
                     Each line i of the n subsequent lines (where 0 \le i < n) contains an integer, arr[i].
                     Sample Case 0
                     Sample Input For Custom Testing
                     2
                     Sample Output
                                                                                                                                                               Activate Windows
```

```
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

4

17

10

21

45

Sample Output

45

21

10

17

10

17

18

Explanation

The input array is [17, 10, 21, 45], so the reverse of the input array is [45, 21, 10, 17].
```

The input array is [17, 10, 21, 45], so the reverse of the

```
Reset answer
```

Answer: (penalty regime: 0 %)

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```
*result count = 5;
16
17
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                  static int a[5] = {1, 2, 3, 4, 5};
                  return a:
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        *
int* return_integer_array_using_dynamic_allocation(int* result_count) {
* *result_count = 5;
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27
                  int *a = malloc(5 * sizeof(int));
                  for (int i = 0; i < 5; i++) {
*(a + i) = i + 1;
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                  }
                  return a:
        * }
        */
int* reverseArray(int arr_count, int *arr, int *result_count) {
             reversearray(int arr_count, int
result_count-arr_count;
for(int i=0;i:arr_count/2;i++){
   int temp=arr[i];
   arr[i]=arr[arr_count-i-1];
   arr[arr_count-i-1]=temp;
}
              return arr;
45
```

1	Test	Expected	Got	
~	int arr[] = {1, 3, 2, 4, 5};	5	5	~
	int result_count;	4	4	
	<pre>int* result = reverseArray(5, arr, &result_count);</pre>	2	2	
	for (int i = 0; i < result_count; i++)	3	3	
	printf("%d\n", *(result + i));	1	1	
	d all tests! ✓			

Question 2
Correct
Marked out of 1.00
F Flag question

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]minLength = 7

The rod is initially sum(lengths) = 4 + 3 + 2 = 9 units long. First cut off the segment of length 4 + 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 = [4, 2, 3]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 "lmpossible".

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

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string

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

Constraints

- $2 \le n \le 10^5$
- $1 \le t \le 10^9$
- 1 ≤ lengths[i] ≤ 10⁹
- · The sum of the elements of lengths equals the uncut rod length.

Input Format For Custom Testing

The first line contains an integer, n_i the number of elements in *lengths*.

Each line i of the n subsequent lines (where $0 \le i < n$) contains an integer, lengths[i].

The next line contains an integer, minLength, the minimum length accepted by the machine.

Sample Case 0

Sample Input For Custom Testing

```
STDIN Function

4 → lengths[] size n = 4

3 → lengths[] = [3, 5, 4, 3]

5

4
```

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9 → minLength= 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

4 → lengths[] = [5, 6, 2]

5 → lengths[] = [7, 6, 2]

6 ← 2

12 → minLength = 12
```

Sample Output

Impossible

Explanation

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The uncut rod is 5 + 6 + 2 = 13 units long. After making either cut, the rod will be too short to make the second cut.

	Test	Expected	Got	
~	long lengths[] = {3, 5, 4, 3}; printf("%s", cutThemAll(4, lengths, 9))	Possible	Possible	~
~	<pre>long lengths[] = {5, 6, 2}; printf("%s", cutThemAll(3, lengths, 12))</pre>		Impossible	~
			1111000001	