Online problem

You are given a list of n nonnegative integers (n<=30). You begin in the leftmost slot, and your goal is to get to the rightmost slot. However, at each point in time, you can only move left, or right exactly the number of slots given by the number you are standing on. For example, if you were standing on a 3, you could move exactly three spots left or exactly three spots right. You cannot walk off the list. If you stand on a 0, it means you are stuck and you cannot move further.

Your goal is to find whether a path exists from source to destination using recursion.

2	1	3	1	4	1	0	1	1	0

Input: 1. integer n ; 5<=n<=30

2. n non-negative integers

Output: Yes/No

Sample input	**Corresponding output**
10 2 1 3 1 4 1 0 1 1 0	Yes
10 2 1 2 1 2 1 2 1 2 1	No
10 2 1 2 1 2 1 2 1 1 0	Yes
16 2 1 4 2 0 3 2 0 6 3 3 1 0 2 3 1	Yes
8 1 1 3 1 2 1 3 1	No