Algorithm: We just need to check whether the sum of number of each stack of blocks is greater than the number of blocks to build a simplest strictly increasing stacks, that is the number of blocks in a stack is the same as the sequence number of the stack, i.e., for stacks, 1 block in stack 1, 2 blocks in stack 2, ……, blocks in stack n.

Step 1: Calculate the number of blocks from first stack to the last stack, that is the sum of sequence:. Assign the value to .

Step 2: Calculate the sum of sequence: 1, 2, 3……, n-1, n. Assign the value to .

Step 3: Compare with . If , it is possible to make sizes of stacks strictly increasing. Otherwise, it is impossible.