

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 n stacks, 1 block in stack 1, 2 blocks in stack 2,, n blocks in stack n .

Step 1: Calculate the number of blocks from first stack to the last stack, that is the sum of sequence: $A[0], A[1], \dots, A[n-2], A[n-1]$. Assign the value to k .

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

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