The Algorithm Design Canvas

Problem name: Subarray Sum Equals K



Constraints	જ
1. (nums: int[], k: int)> sub: int 2. Find all subarrays that sums to k 3. all numbers >= 0. 4. 1 <= nums.len <= 2*10^4 51000 <= nums[i] <= 1000 610^7 <= k <= 10^7	
Ideas	8
Bruteforce: Infeasible due to constrains For w= len For i=each item:	O(n!n^2)
For i=i; i <i+w< td=""><td>O(1)</td></i+w<>	O(1)
Smart: For i=each item sum += n[cur = i]	O(n^2)
while sum < k if (++cur < len) sum += n[cur]:	O(1)
Test Cases [1,1,1], 2> 2 [1,2,3], 3> 2	