Maximum Consecutive Ones

Given an array A of Os and Is, we may change upto K values from O to I.

Return the length of the longest (contiguous)
subarray that contains only Is.

input: A = [1,1,1,0,0,0,0,1,1,1,0], K=2Output: 6 : explanation:[1110011111]

input: A = [0,0,1,1,0,0,1,1,0,0,1,1,0,0,0,1,1,1,1]K=3, output: 10, explanation: [00111111111110001111]

Idea : * Longest subarray & For First atmost K zeroes & * For each A[j], try to find the longest subassay * If A[i] A[j] has zeroes <= K, we continue to increment j. * If A[i] has zeroes > K, we continue i (as well as j).

Dry run eg K=2, 11000 z=0, i=0, ans=0, j=0 ton step-1 j=0, $arr[0]==0 \times and z \times \times x$ simple ans = max (0, 0-0+1)

ans = 1 Step-2 j=1, arre[1]==0 X and 0>2 X ans = max(1, 1-0+1) = max(1,2) = 2Step-3 j=2, aver [2]==0 v and 1>2 x ans = max (2, 2-0+1) = max(2,3) = 3Step-4 j=3, ave [3] == 0 v and 2>2 x ans = max(3, 3-0+1) = max(3, 4) = 4Step-5 y=4, are[4]==0 v and 372v arr[0]==0X; itt; are[i]== 0 x; i++; arr [2]==0 =; It - 80 2=2 ans = max(4, 4-3+1) ans=4