```
Better approach:
 1004. Max Consecutive Ones III
                                                                        Solved
                                                                               2
                                                                                       public int longestOnes(int[] nums, int k) {
                                                                               3
                                                                                           int cnt=0 , maxl=0 , l=0 , r=0 , n=nums.length;
  4
 Given a binary array nums and an integer k, return the maximum number of consecutive 1's in
                                                                               5
                                                                                           while(r<n){
                                                                                                    if(nums[r]==0) cnt++;
 the array if you can flip at most k 0's.
                                                                               6
                                                                               7
                                                                                                    while(cnt>k){
                                                                                                        if(nums[1]==0) cnt--;
                                                                               8
                                                                               9
                                                                                                        1++;
 Example 1:
                                                                               10
                                                                               11
   Input: nums = [1,1,1,0,0,0,1,1,1,1,0], k = 2
                                                                               12
                                                                                               if(cnt<=k){
   Output: 6
                                                                                                    maxl=Math.max(maxl , r-l+1);
                                                                               13
   Explanation: [1,1,1,0,0,1,1,1,1,1,1]
                                                                               14
   Bolded numbers were flipped from 0 to 1. The longest subarray is
                                                                               15
                                                                                               r++;
   underlined.
                                                                               16
                                                                               17
                                                                                           return maxl;
 Example 2:
                                                                               18
                                                                               Approach of question:
   Input: nums = [0,0,1,1,0,0,1,1,1,0,1,1,0,0,0,1,1,1,1], k = 3
                                                                               Question is like ... find the length of longest subarray having the number of zero
   Output: 10
                                                                               is k ....
   Explanation: [0,0,1,1,1,1,1,1,1,1,1,1,0,0,0,1,1,1,1]
   Bolded numbers were flipped from 0 to 1. The longest subarray is
                                                                               Tc -o(n+n)
   underlined.
Optimal
                                                                               Brute force approach
2 🗸
        public int longestOnes(int[] nums, int k) {
                                                                               2
                                                                                       public int longestOnes(int[] nums, int k) {
3
            int cnt=0 , maxl=0 , l=0 , r=0 , n=nums.length;
                                                                                3
                                                                                           int max1=0;
4
                                                                               4
                                                                                           int cnt=0;
5 🗸
            while(r<n){
                                                                               5
                                                                                           for(int i=0;i<nums.length;i++){</pre>
                    if(nums[r]==0) cnt++;
6
                                                                                6
 7 ∨
                    if(cnt>k){
                                                                                7
                                                                                                for(int j=i;j<nums.length;j++){</pre>
8
                        if(nums[1]==0) cnt--;
                                                                                8
                                                                                                    if(nums[j]==0) cnt++;
9
                         1++;
                                                                                9
                                                                                                    if(cnt<=k)
10
                    }
                                                                               10
                                                                                                    maxl=Math.max(maxl , j-i+1);
11
                                                                               11
                                                                                                    else break;
12 🗸
                if(cnt<=k){</pre>
                                                                               12
L3
                    maxl=Math.max(maxl , r-l+1);
                                                                               13
                                                                                                cnt=0;
14
                                                                               14
15
                r++;
                                                                               15
                                                                                           return maxl;
16
17
                                                                               16
            return maxl;
                                                                               Tc -o(n2)
18
Tc -o(n)
```