**Goodland Electricity**

**problem:**



**solution:**

#include <cmath>

#include <cstdio>

#include <vector>

#include <iostream>

#include <algorithm>

using namespace std;

bool a[100001];

bool b[100001];

void fun() {

int n,k;

long long cnt = 0;

cin >> n >> k;

for(int i=0;i<n;i++) {

cin >> a[i];

b[i] = false;

}

int j;

for(int i=0;i<n;i++) {

if(b[i]) continue;

j = min(i+k-1,n-1);

for(;j>=0 && j>i-k;j--) {

if(a[j]) {

cnt++;

int r = max(0,j-k);

for(;(r<(j+k)) && (r<n);r++) {

b[r] = true;

}

break;

}

}

if(!b[i]) {

cout << -1 << endl;

return;

}

}

cout << cnt << endl;

}

int main() {

fun();

return 0;

}