Wocs and Cows 1

Problem Statement:
Help, the wocs have invaded Farmer John's farm! Farmer John has N cows standing in a line. However, some cows have been replaced by the malicious wocs. Thankfully, Farmer John has a secret weapon to defend against the wocs: The Cowinator. In one shot, the Cowinator can convert any number consecutive wocs back into cows. However, firing a shot can be very expensive. Farmer John wants to know how many shots the Cowinator would need to convert all wocs back into cows, without hitting any of his precious cows.

Input Format:
Line 1: N
Line 2: N digits, each being either 0 or 1, with 1 representing a cow and 0 representing a woc

Example Input:
14
10001101001000

Flag Format:
mctf{w0cs_4nD_C0w5_1_[ANSWER]}
[ANSWER]: an integer representing the number of shots necessary

Example Flag:
mctf{w0cs_4nD_C0w5_1_4}

Answer Explanation:
Shot 1: 1000<u>1101001000</u> -> 11111101001000
Shot 2: 11111101001<u>000</u> -> 11111101001111
Shot 3: 111111<u>0</u>1001111 -> 11111111001111
Shot 4: 1111111<u>00</u>1111 -> 1111111111111