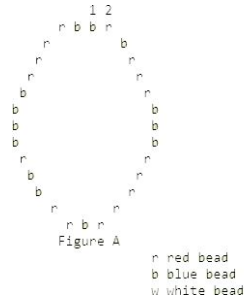
J4 // CCC Decorations

After getting his laptop upgrade, Anish wants to decorate his laptop with light up beads. By decorating his laptop with light up beads, he can distract the competition during the event; therefore, lowering other people's scores which in turn makes his score look better. It is truly a coder-eat-coder world.

Anish has a necklace with different light up beads. Some of these beads are red, others are blue, and the rest let you choose between red and green (white). In order to maximize the distraction power of his computer Anish needs to maximize the number of beads he has on his computer.

Suppose Anish is to break the necklace at some point, lay it out straight, and then collect beads of the same color from one end until you reach a bead of a different color, and do the same for the other end (which might not be of the same color as the beads collected before this).

Determine the point where the necklace should be broken so that the most number of beads can be collected.



For example, for the necklace in Figure A, 8 beads can be collected, with the breaking point either between bead 9 and bead 10 or else between bead 24 and bead 25.

Input Format

- Line 1: N ($3 \leq N \leq 350$), the number of beads
- Line 2: a string of N characters, each of which is r, b, or w

Output Format

A single line containing the maximum number of beads that can be collected from the supplied necklace.

Sample Input

29

wwwbbrwrbrbrrbrbrwrwwrbwrwrrb

Sample Output

11

Output Explanation

Split the necklace(wwwbbrwrbrbrrbrbrwrwwrbwrwrrb) like the following:

rbrwrwwrbwrwrr | bwwwbbrwrbrbrrb