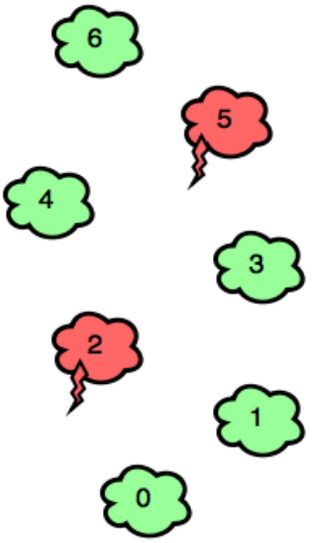
# Jumping on the Clouds

Emma is playing a new mobile game involving $n$ clouds numbered from $0$ to $n-1$. A player initially starts out on cloud $c_0$, and they must jump to cloud $c_{n-1}$. In each step, she can jump from any cloud $i$ to cloud $i+1$ or cloud $i+2$.

There are two types of clouds, *ordinary clouds* and *thunderclouds*. The game ends if Emma jumps onto a thundercloud, but if she reaches the last cloud (i.e., $c_{n-1}$), she wins the game!




Can you find the minimum number of jumps Emma must make to win the game? It is guaranteed that clouds $c_0$ and $c_{n-1}$ are ordinary-clouds and it is *always possible* to win the game.

**Input Format**

The first line contains an integer, $n$ (the total number of clouds).
The second line contains $n$ space-separated binary integers describing clouds $c_0, c_1, \ldots, c_{n-1}$.

- If $c_i = 0$, the $i^{th}$ cloud is an ordinary cloud.
- If $c_i = 1$, the $i^{th}$ cloud is a thundercloud.

**Constraints**

- $2 \leq n \leq 100$
- $c_i \in \{0, 1\}$
- $c_0 = c_{n-1} = 0$

**Output Format**

Print the minimum number of jumps needed to win the game.

**Sample Input 0**

```
7
0 0 1 0 0 1 0
```

**Sample Output 0**

```
4
```

**Sample Input 1**

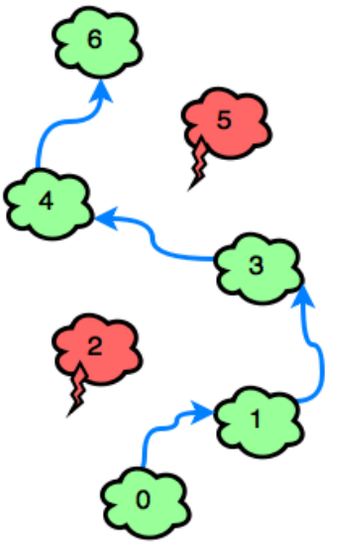
```
6
0 0 0 0 1 0
```

**Sample Output 1**

```
3
```

**Explanation**

*Sample Case 0:*
Because $c_2$ and $c_5$ in our input are both $1$, Emma must avoid $c_2$ and $c_5$. Bearing this in mind, she can win the game with a minimum of $4$ jumps:




*Sample Case 1:*
The only thundercloud to avoid is $c_4$. Emma can win the game in $3$ jumps: