## Tabs

## Description

In many text editors, one or more consecutive lines can be selected. When they are selected, pressing the tab key will insert $a$ tab at the beginning of each of the lines.

Given the desired indentation levels (i.e. number of leading tabs) of lines in a file, what is the fewest number of times the tab key must be pressed to reach that indentation level. The file begins without any indendation.

For example, if
for $x$ in $[1,2,3]$ :
for y in $[1,2,3]$ :
$z+=x$ * $y$
print $z$
should be indented

```
for x in [1, 2, 3]:
for y in [1, 2, 3]:
    z+=x * y
```

print $z$
then the answer is 2 . The second, third, and fourth lines can be indented together. The third line is indented again, separately.

## Input

The first line is the number of lines of text, $0<\mathrm{N}<=5000$.
The next N lines are integers from 0 to 80 . These are the degree of indentation for each line.

## Output

The minimum number of tab key presses required to perform the indentation.

## Input

4
0
1
2
1

## Output

2

