## INTELLECT LTD

Engineers working for Intellect Ltd. have proposed an innovative system to check the transfer of digital data. Only $n$-digit decimal numbers divisible by 11 are used during transfer. The system was implemented on a remote space station transferring data to Earth. Eventually, the mission control center received a message containing ( $n+1$ ) digits. The analysis indicated that the message had an extra spurious digit.

Write a program that will process the message and determine the number of ways to exclude a single digit so that the resulting number would be divisible by 11 .

## Limitations

$$
1 \leq \boldsymbol{n} \leq 100000
$$

## Input

The first line of the input file defines the message length $\boldsymbol{n}$.
The second line contains a decimal number having $\boldsymbol{n}+1$ digits representing the mes- sage with an extra digit.

## Output

The number of ways to exclude a single digit as described above.

## Example

| № | stdin |  |
| :---: | :--- | :--- |
| 1 | 3 | 2 |
|  | 1352 |  |
| 2 | 2 | 3 |
|  | 222 |  |

