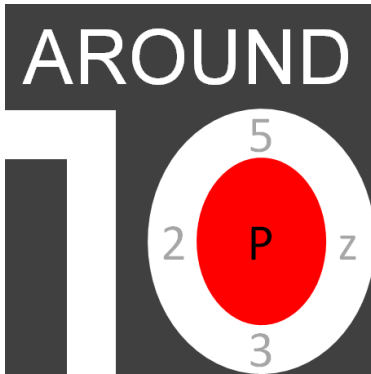


# Around ten

Each position of a rectangular grid is either filled with a letter or a digit. Your task is to discover the hidden word that can be found by traversing the grid from left to right, and from top to bottom and only retaining the letters that are protected. We say that a letter is protected if the digits above, below, left and right of the letter add up to ten. Surrounding letters are ignored while computing the sum. Note that according to this definition, letters on the edge and in the corners of the grid can also be protected.



## Input

The first line of the input contains a number  $\$t \in \mathbb{N}_0\$$  that indicates the number of rows of the rectangular grid. This is followed by another  $\$t\$$  lines, each containing the same number of characters. Each character either is a lowercase letter, an uppercase letter or a digit. All these letters form the grid into which a secret word was hidden.

## Output

The word that is hidden into the grid.

## Example

### Input:

48

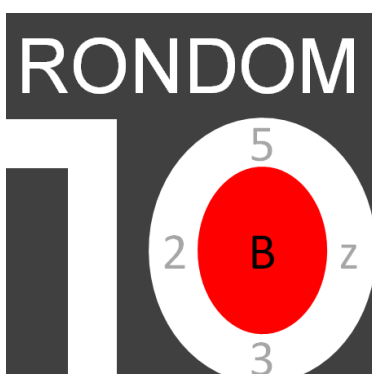
```
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```

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## Output:

exTENSions

We geven je een rechthoekig rooster waarin op elke positie een letter of een cijfer staat. Je vindt op basis van dit rooster een verborgen woord door het rooster van links naar rechts en van boven naar onder te doorlopen, en alle beschermde letters die je daarbij tegenkomt achter elkaar te zetten. Een letter is beschermd als de som van de cijfers die boven, onder, links en rechts van de letter staan samen som tien hebben. Omliggende letters worden genegeerd bij het berekenen van deze som. Merk op dat volgens deze definitie letters op de rand van het rooster dus evengoed beschermd kunnen zijn.



Invoer

De eerste regel van de invoer bevat een getal  $\$t \in \mathbb{N}_0\$$  dat het aantal rijen van het rechthoekig rooster aangeeft. Daarna volgen  $\$t\$$  regels die telkens een vast aantal karakters bevatten. Deze karakters kunnen zowel hoofdletters, kleine letters en cijfers zijn. Alle deze karakters vormen samen een rooster waarin een woord verborgen zit dat kan samengesteld worden uit de beschermde letters.

## Uitvoer

Het woord dat in het rooster verborgen zit.

## Voorbeeld

Invoer:

48

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**Uitvoer:**

exTENSions