

Half of the half

Given a sequence of $2 \cdot k$ characters, please print every second character from the first half of the sequence. Start printing with the first character.

Input

In the first line of input you are given the positive integer t ($1 \leq t \leq 100$) - the number of test cases. In the each of the next t lines, you are given a sequence of $2 \cdot k$ ($1 \leq k \leq 100$) characters.

Output

For each of the test cases please please print every second character from the first half of a given sequence (the first character should appear).

Example

Input:

```
4
your
progress
is
noticeable
```

Output:

```
y
po
i
ntc
```