H: Perfect Shuffle

A Perfect Shuffle of a deck of cards is executed by dividing the deck exactly in half, and then alternating cards from the two halves, starting with the top half.

Given a deck of cards, perform a Perfect Shuffle. If there is an odd number of cards, give the top half split one more card than the bottom half.

**Input**

There will be several test cases in the input. Each test case will begin with a line with a single integer \( n \) \((1 \leq n \leq 1,000)\), indicating the number of cards. On each of the next \( n \) lines will be a string from 1 to 80 characters in length, which is the name of a card. It will contain only capital letters and dashes. Within a test case, all card names will be unique. Input will end with a line with a single 0.

**Output**

For each test case, output \( n \) lines, consisting of the deck after a perfect shuffle. Output no extra spaces. Do not print a blank line between answers.

<table>
<thead>
<tr>
<th>Sample Input</th>
<th>Sample Output</th>
</tr>
</thead>
</table>
| 4
ACE
KING
QUEEN
JACK | ACE
QUEEN
KING
JACK
SKIP
DRAW-TWO
REVERSE
WILD
WILD-DRAW-FOUR |
| 5
SKIP
DRAW-TWO
REVERSE
WILD
WILD-DRAW-FOUR | 0 |