## Faro Shuffle

A faro shuffle of a deck of playing cards is a shuffle in which the deck is **split exactly in half** and then the cards in the two halves are **perfectly interwoven**, such that the **original bottom card is still on the bottom and the original top card is still on top**.

For example, faro shuffling the list

**['ace', 'two', 'three', 'four', 'five', 'six']** once, gives **['ace', 'four', 'two', 'five', 'three', 'six']**

Write a program that receives a **single string** (cards separated by **space**) and on the **second line** receives a **number** of faro **shuffles** that have to be made. Print the **state of the deck after the shuffle.**

***Note*: The length of the deck of cards will always be an even number**

### Example

|  |  |
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| **Input** | **Output** |
| a b c d e f g h  5 | ['a', 'c', 'e', 'g', 'b', 'd', 'f', 'h'] |
| one two three four  3 | ['one', 'three', 'two', 'four'] |