
Problem A. BUGGAKAY COAKAMAKAKAPUTER

Input file: **standard input**
Output file: **standard output**
Time limit: 1 second
Memory limit: 256 megabytes

Aka has just bought a computer with only 200dhs, but there is a problem with that computer. The computer add a filler word **AKA** to every message, email or whatever you want to send.

All words that can be obtained from **AKA** by adding **KA** several times to the end of it are also considered to be fillers. For example, the words **AKA**, **AKAKAKA** are fillers, but the words **KA**, **AK**, **AKAK**, **AKAKAK** and **AKKA** are not fillers.

The fillers have maximal size, for example, for **AKAKAA** we can't consider **AKA** a filler and **KAA** as a normal phrase. We should consider **AKAKA** as a filler here.

Aka will send you a message from that computer, and you need to delete every filler from the message.

Input

First line will contain T the number of test cases.

Each test case contains 2 lines:

First one will contain n , the length of the message.

Second one will contain the message m , consisting of uppercase English letters.

Output

Each test case print the message without fillers, if the message is empty print "EMPTY".

Example

standard input	standard output
3	EMPTY
3	HELLO
AKA	HEY
18	
HEAKALAKAKAKALAKAO	
18	
AKAHAKAEAKAAKAYAKA	