

Momo's Magic Cheque

問題描述：

Princess Momo got a magic cheque. There are N digits(1~9) on the cheque. Princess Momo needs to find the K_{th} smallest number and then she can withdraw the money!

For example, there are 4 digits on the cheque: 1355. And we need to find the 4th smallest number which is 3155. There are total 12 different arrangements of this 4 digits: 1355, 1535, 1553, 3155, 3515,...

輸入說明：

Input begins with an integer $T(1 \leq T \leq 2000)$, the number of test case. Each test case would be in the following format.

Line 1 : two integer number $N, K(1 \leq N, K \leq 1000)$

Line 2 : N digits number. Digit set: {1~9}.

輸出說明：

Each test case outputs one line, which is the K_{th} smallest number that princess Momo can withdraw. If the K_{th} smallest number doesn't exist, then output "Fake cheque!" instead.

範例：

Sample Input:	Sample Output:
3	Fake cheque!
2 100	3515
34	123967854
4 5	
5513	
9 666	
123498765	