

Digo plays with Numbers

Digo and his friend Sharry have completed their missions and were relaxing. Both of them love mathematics and love to play with numbers. They have a book in which several binary strings are written. Digo comes up with an idea of an interesting game. He asks Sharry to think of a number K , which is less than or equal to the length of the string N . Both players play alternately. In his turn, a person can remove any bit from the binary string. Digo removes such as to maximize the value of the leftover binary string while Sharry plays to minimize the string. This process continues till K binary digits are left. You have to tell those K binary digits left after the game is over.

It is given that Sharry always plays first.

Input Format:-

The first line consists of a single integer T , denoting the number of test cases.

$2 * T$ lines follow. For every test case, the first line consists of two integers N and K , denoting the initial length of the string and its length at the end of the game. The second line for the test case contains the initial binary string of length N .

Output Format:-

For each test case print the final string left after removal of characters.

Constraints:-

$$1 \leq T \leq 1000$$

$$1 \leq N \leq 1000$$

$$1 \leq K \leq N$$

Sample Input:

```
2
5 3
10010
4 2
1111
```

Sample Output:

```
010
11
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