Project Euler #8: Largest product in a series

This problem is a programming version of Problem 8 from projecteuler.net

Find the greatest product of K consecutive digits in the N digit number.

Input Format

First line contains T that denotes the number of test cases.
First line of each test case will contain two integers N & K.
Second line of each test case will contain a N digit integer.

Constraints

- $1 \leqslant T \leqslant 100$
- $1 \leqslant K \leqslant 7$
- $K \leqslant N \leqslant 1000$

Output Format

Print the required answer for each test case.

Sample Input 0

```
2
10 5
3675356291
10 5
2709360626
```

Sample Output 0

```
3150
0
```

Explanation 0

- For 3675356291 and selecting $K = 5$ consequetive digits, we have 36753, 67535, 75356, 53562, 35629 and 56291. Where $6 \times 7 \times 5 \times 3 \times 5$ gives maximum product as 3150
- For 2709360626, 0 lies in all selection of 5 consequetive digits hence maximum product remains 0