## Problem F. Sum of Numbers

| Input file: | standard input |
| :--- | :--- |
| Output file: | standard output |
| Time limit: | 1 second |
| Memory limit: | 1024 megabytes |

Given $n$ digits from ' 1 ' to ' 9 ', you can add $k$ ' + ' to turn it into an expression, find the minimum value of the expression.

## Input

There are multiple test cases.
The first line of the input contains one integer $T\left(1 \leq T \leq 2 \times 10^{4}\right)$ - the number of test cases.
For each test case,
The first line contains two integers $n\left(2 \leq n \leq 2 \times 10^{5}\right)$ and $k(1 \leq k \leq 6, k<n)$ - the number of digits and the number of ' + '.
The second line contains a string of length $n$, which consists of digits from ' 1 ' to ' 9 '.
The sum of $n$ over all test cases does not exceed $2 \times 10^{5}$.

## Output

For each test case, output the answer in one line.

## Example

|  | standard input | standard output |
| :--- | :--- | :--- |
| 2 | 9696 |  |
| 81 | 6 |  |
| 45455151 |  |  |
| 21 |  |  |
| 42 |  |  |

