

## 5800 Repeating Characters

For this problem, you will write a program that takes a string of characters,  $S$ , and creates a new string of characters,  $T$ , with each character repeated  $R$  times. That is,  $R$  copies of the first character of  $S$ , followed by  $R$  copies of the second character of  $S$ , and so on. Valid characters for  $S$  are the *QR Code* “*alphanumeric*” characters:

0123456789ABCDEFGHIJKLMNOPQRSTUVWXYZ\$%\*+-./:

### Input

The first line of input contains a single integer  $P$ , ( $1 \leq P \leq 1000$ ), which is the number of data sets that follow. Each data set is a single line of input consisting of the data set number  $N$ , followed by a space, followed by the repeat count  $R$ , ( $1 \leq R \leq 8$ ), followed by a space, followed by the string  $S$ . The length of string  $S$  will always be at least one and no more than 20 characters. All the characters will be from the set of characters shown above.

### Output

For each data set there is one line of output. It contains the data set number,  $N$ , followed by a single space which is then followed by the new string  $T$ , which is made of each character in  $S$  repeated  $R$  times.

### Sample Input

```
2
1 3 ABC
2 5 /HTP
```

### Sample Output

```
1 AAABBBCCC
2 /////HHHHHTTTTTPPPPP
```