Sum Maximization

Time limit: 0.5s **Memory limit:** 64M

You are given Q queries of the form:

- `N M` Find the maximum possible sum of the digits (in base 10) of a positive integer in the range $[N, M]$.

Input Specification

The first line will contain the integer Q $(1 \leq Q \leq 10^4)$.

The next Q lines will each contain the integers, N, M $(1 \leq N \leq M \leq 10^{15})$.

Output Specification

For each query, print the maximum possible sum of the digits (in base 10) of a positive integer in the range $[N, M]$.

Sample Input

```
2
1 100
1 9995
```

Sample Output

```
18
35
```

Explanation For Sample

For the second query, the sum of digits of 9989 is 35, which is the maximum value.