

AND product



Problem Statement

You will be given two integers A and B . You are required to compute the bitwise AND amongst all natural numbers lying between A and B , both inclusive.

Input Format

First line of the input contains T , the number of testcases to follow.
Each testcase in a newline contains A and B separated by a single space.

Constraints

$$1 \leq T \leq 200$$
$$0 \leq A \leq B < 2^{32}$$

Output Format

Output one line per test case with the required bitwise AND.

Sample Input

```
3
12 15
2 3
8 13
```

Sample Output

```
12
2
8
```

Explanation

For the first testcase,

$$12 \& 13 \& 14 \& 15 = 12$$

For second testcase,

$$2 \& 3 = 2$$

For the third testcase,

$$8 \& 9 \& 10 \& 11 \& 12 \& 13 = 8$$