AND product

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
```