

# Total Odd V2

There are two integers L and R, you'll have to count how many odd numbers are there within the range from L to R inclusive.

All of you know what is an odd number. An integer that is not divisible by 2 is called an odd number.

## Input

The first line will be a single integer **T** which denotes the testcases. Next T lines will contain **L** and **R**.

## Constraints

$$1 \leq T \leq 10$$

$$1 \leq L \leq R \leq 1000000000000000000$$

## Output

For each case, print the count of odd numbers from L to R inclusive.

## Example

### Input:

```
3
1 1
1 3
2 3
```

### Output:

```
1
2
1
```

[ Original Setter of this problem is Dhruba Mitra, RUET ]