Practice (/) BETA

Sudo Placement [1.1] (/contest/sudo-placement-11/)

Hello vish_14 (https://auth.geeksforgeeks.org/user/vish_14/practice/)

PROBLEMS (HTTPS://PRACTICE.GEEKSFORGEEKS.ORG/CONTEST/SUDO-PLACEMENT-11/PROBLEMS/) | SUBMISSIONS (HTTPS://PRACTICE.GEEKSFORGEEKS.ORG/CONTEST/SUDO-PLACEMENT-11/SUBMISSIONS/) | LEADERBOARD (HTTPS://PRACTICE.GEEKSFORGEEKS.ORG/CONTEST/SUDO-PLACEMENT-11/LEADERBOARDS/) | SUMMARY (HTTPS://PRACTICE.GEEKSFORGEEKS.ORG/CONTEST/SUDO-PLACEMENT-11/SUMMARY/)

SP - Palindrome Family (https://practice.geeksforgeeks.org/contest-problem/sp-palindrome-family/0/)

SP - Special Subsequences (https://practice.geeksforgeeks.org/contest-problem/sp-trip-k-lets/0/)

SP - Range Queries (https://practice.geeksforgeeks.org/contest-problem/sp-range-queries/0/)

Your Total Score:

0

SP - Range Queries

Submissions: 723 Accuracy: 1.66% Max. Score: 50

Given **Q** queries, with each query consisting of two integers **L** and **R** (**L** may or may not be less than **R**), the task is to find the total numbers between **L** and **R** (Both inclusive), having atmost three set bits in their binary representation.

Input : The first line of input contains number of testcases T. The 1st line of each testcase, contains a single integer Q denoting the number of queries**.** Each of the next Q lines, contain two space separated integers L and R denoting the range for that query.

Output : For each query you need to print the total numbers between L and R having at most 3 set bits in their binary representation.

Constraints :
$1 <= T <= 5$
$1 <= Q <= 10^5$
$0 <= L, R <= 10^{18}$

Example :
Input :
1
1
3 7
Output :
5

Explanation :
All numbers between 3 and 7 have less than or equal to 3 set bits.

My submissions (/problem_submissions.php?pid=3509&isSolved=ALL&lang=ALL&user=Self)

Theme Light | C++ (g++ 5.4)

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```
#include<iostream>
using namespace std;
int main()
 {
    //code
    return 0;
}
```

Test against custom input

```
Submissions are closed for this Contest problem.
```