## K12-OE Numbers

Rishi loves numbers and number patterns very much. He is interested in finding OE numbers in a range $[a, b]$. An OE number is a number whose sum of even digits $[0,2,4,6,8]$ is greater than sum of odd digits $[1,3,5,7,9]$. Help him to count how many OE numbers are in range $[a, b]\{a$ and b inclusive \}

## Example:

- 4563: $O=5+3=8, E=4+6=10, E>O$, so 4563 is an $O E$ number
$-1233, O=1+3+3=7, E=2, \quad E<O$, so 1233 is not an $O E$ number
- $10, O=1, \quad E=0 \quad E<O$, so 10 is not an $O E$ number


## Input

The first line of the input file contains $\mathbf{T}$ which denotes the number of Test cases. The next $\mathbf{T}$ lines contains two space separated integers $\mathbf{a}$ and $\mathbf{b}$.
$1<=\mathbf{a}<=\mathbf{b}<=10^{\wedge} 8$
T <= 35 .

## Output

Print the number of OE numbers in range $[\mathbf{a}, \mathbf{b}]$ \{one number per line\}

## Example

## Input:

3
11
210
1100000000

## Output:

## 0

4
38379932

