You're given two integer a and b (b is larger thana).

Return the sum of odd numbers between them.

**Example**  
For a = 3 and b = 5 the output should be 0.  
For a = 3006 and b = 4090 the output should be1923016.

**Note**  
If you don't want to read the text below, maybe your code won't pass time and memory limits. ;)

* **[input] integer a**
  + The first integer, -1 < a < 1e8.
* **[input] integer b**
  + The second integer, 0 < b < 1e8 + 1.
* **[output] integer**
  + Return the answer modulo 10000007.

<https://codefights.com/challenge/SDXZE9pgudAGqTrbh>

int sumofoddnumbers(int a, int b) {

long long int sum = 0;

for(int i = a+1; i < b; i++){

if(i % 2 != 0){

sum += i;

}

}

return sum % 10000007;

}