You are given an integer N. Your task is to calculate three sums *S1*, *S2*, *S3*, such that:

* *S1* is the sum of first N positive integers
* *S2* is the sum of first N positive odd integers
* *S3* is the sum of first N positive even integers.

**Example:**

SuMsUmSuM(2) = [3, 4, 6]

The sums are:

* *S1* = 1 + 2 = 3
* *S2* = 1 + 3 = 4
* *S3* = 2 + 4 = 6
* **[input] integer N**
  + 0 ≤ N ≤ 10000
* **[output] array.integer**

<https://codefights.com/challenge/koPjwXBQkjkiJN5Cb>

static int[] SuMsUmSuM(int N)

{

int S1 = 0, S2 = 0, S3 = 0;

int num = 1;

for (int cont = 0; cont < N; cont++)

{

S1 += num;

num++;

}

num = 1;

for (int cont = 0; cont < N; cont++)

{

S2 += num;

num += 2;

}

num = 2;

for (int cont = 0; cont < N; cont++)

{

S3 += num;

num += 2;

}

return new int[] { S1, S2, S3 };

}