Example 10:

Write an Algorithm to find the summation of positive (+ve) and negative (-ve) values for 100 numbers.

Solution:

1-Start

2- Let initial value of the summation equals to zero (Sp=0, Sn=0)

3- Let the initial value of the counter equals to zero (I=0)

4- Increase the value of the counter by one (I=I+1)

5-Read the value of X

6-Check that if X>0, then Sp=Sp+X

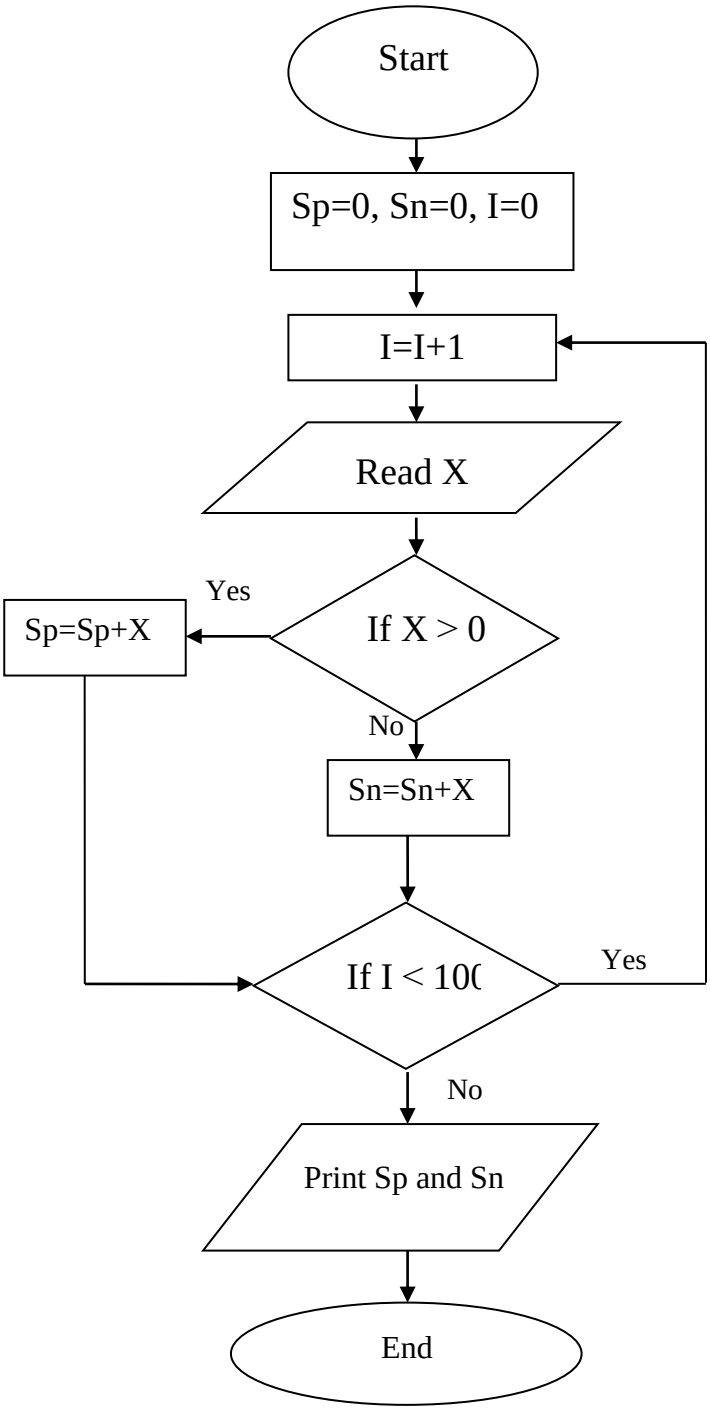
7- Check that if X<0, then Sn=Sn+X

8- Check that if I<100, then return to step 4

9-Print the value of Sp and Sn

10-End

The flowchart of example 10 is shown below:



Example 11:

Write an Algorithm to find the summation of the following series:

S=2+4+6+8+10……N terms.

Solution:

1- Start.

2- Read the value of N.

3-Let the initial value of the summation equals to zero(S=0).

4-Let the initial value of the counter equals to zero (I=0).

5-Increase the value of the counter by one (I=I+1).

6-S=S+2*I

7- If the counter (I) is less than N return to step 5.

8- Print the value of the summation (S).

9- End

The flowchart of example 11 is shown below: