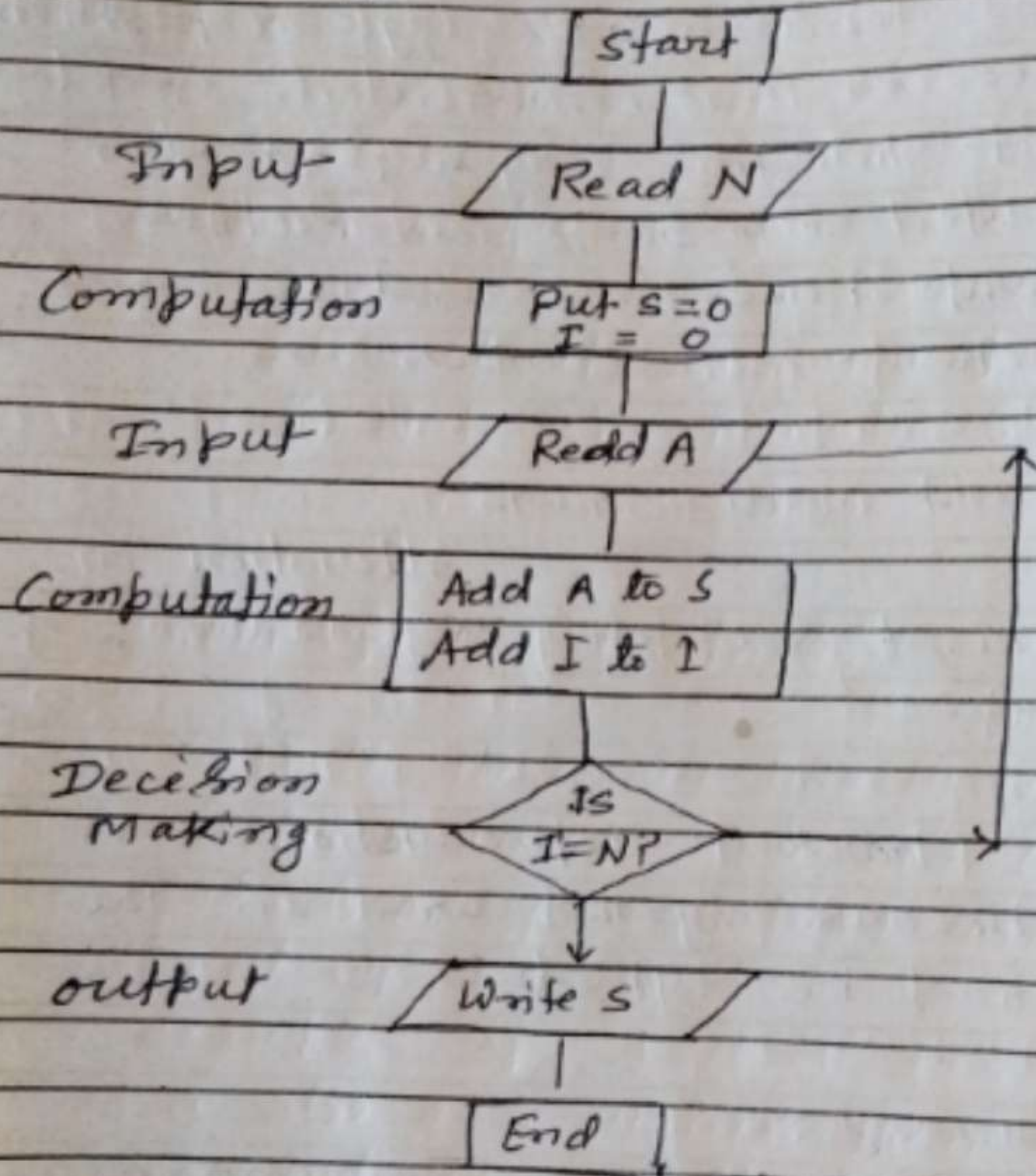


VKSU Example



1.) Design a flowchart to find the Sum of N given numbers.



Flowchart- for finding Sum of N Numbers

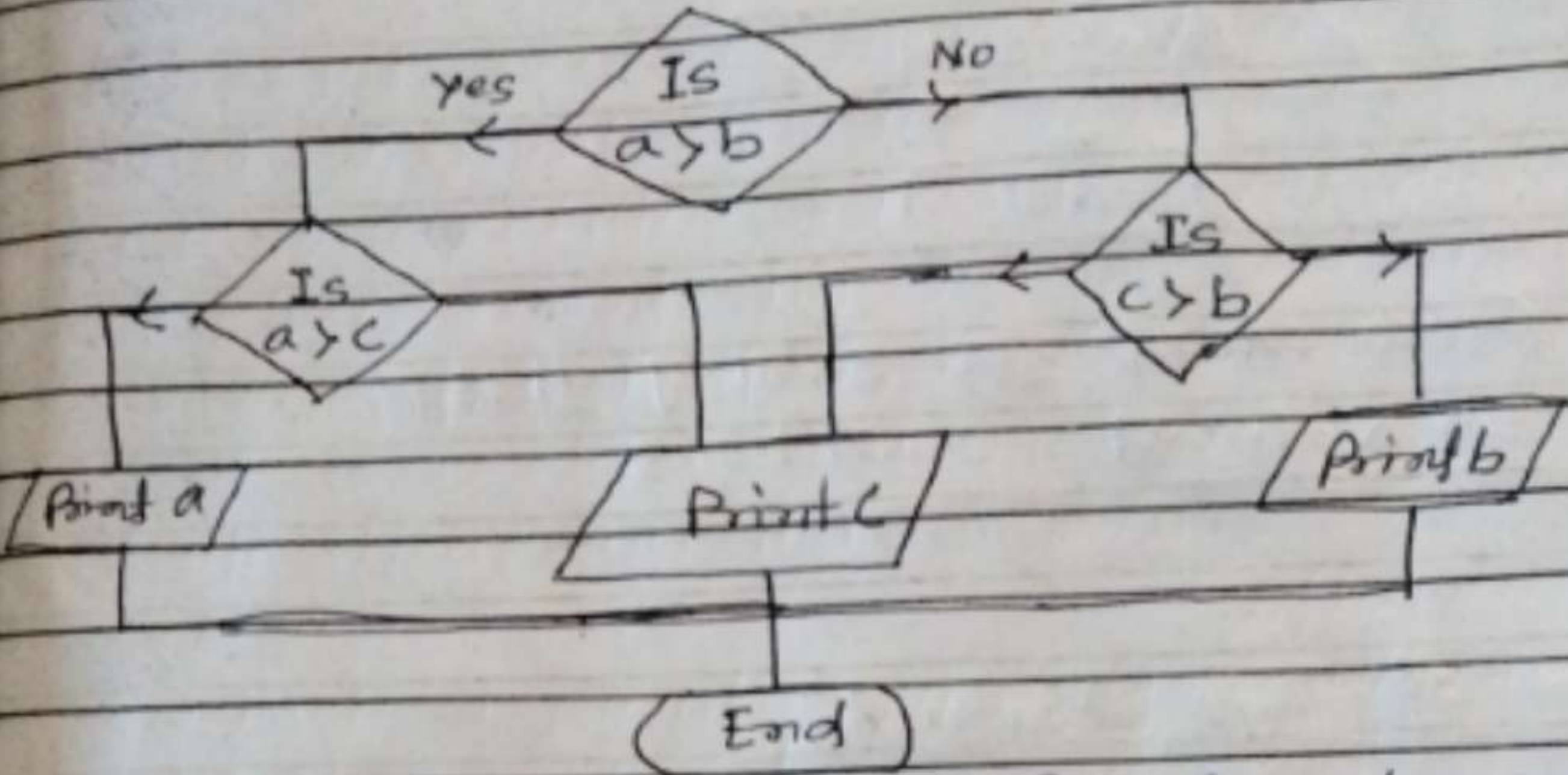
2.) Design a flowchart to choose the largest of Three distinct numbers,

VKSU



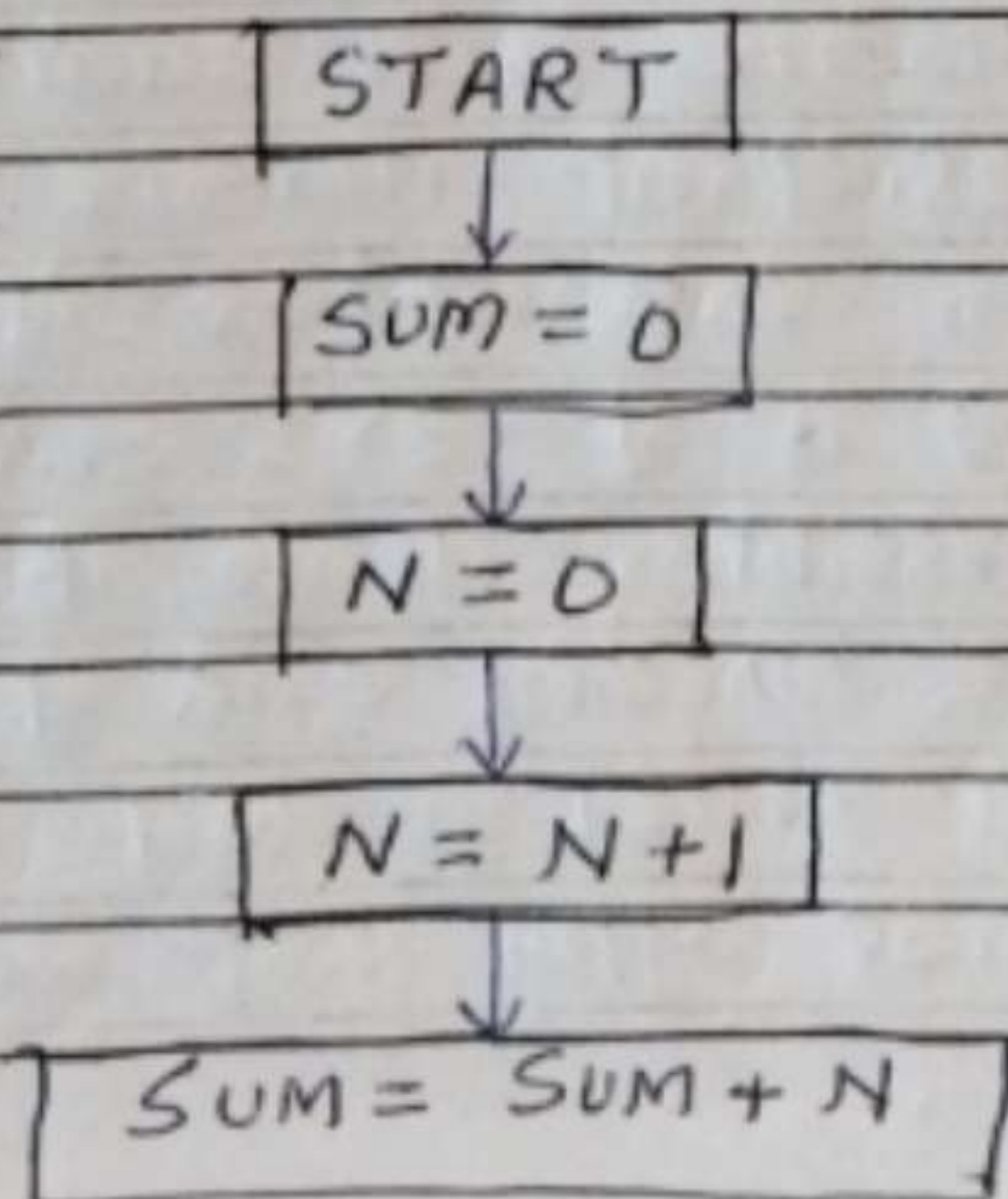
Start

Read Value of a, b, c

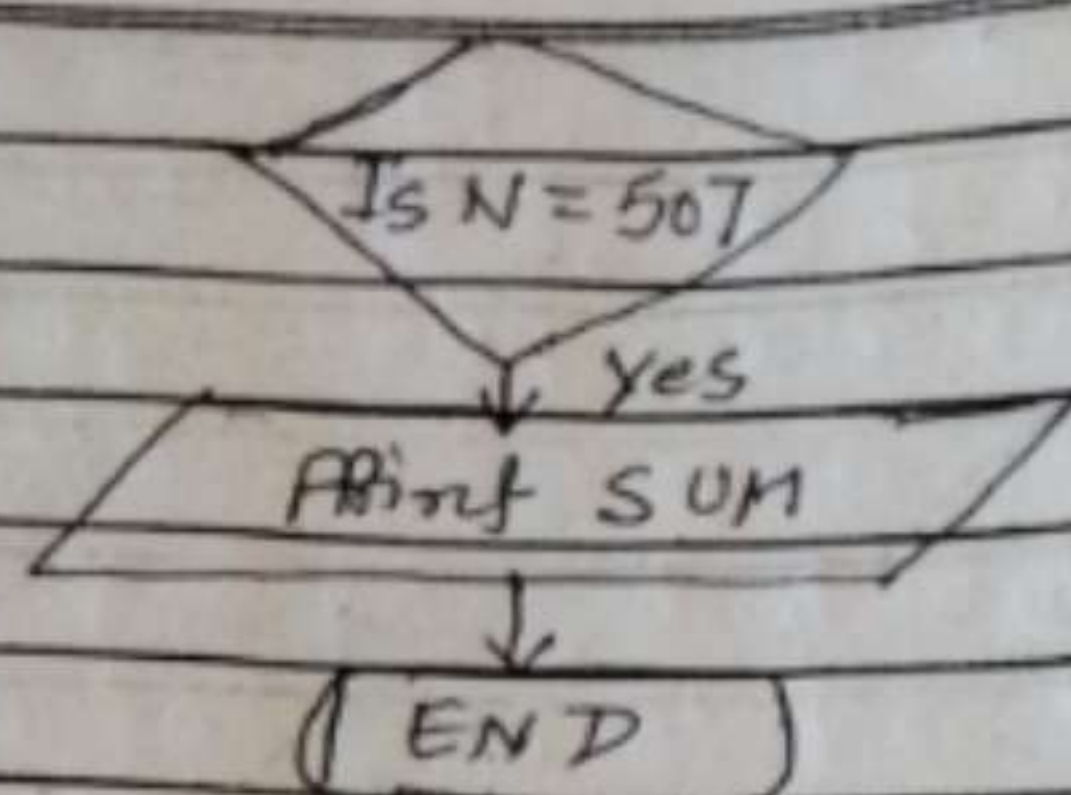


Flowchart for Finding Largest of Three Numbers

Ex Design a flowchart to draw a flowchart to find The Sum of first 50 natural Nos.



VKSU



Flow chart for Sum of first
50 Natural Numbers

Sum of Two Matrices

Suppose there are two matrices A and B . These matrices are of same order $m \times n$ (to be read as m by n matrix). Then their addition is defined by $A + B$.

For example, if A is a 2×3 matrix and B is also a 2×3 matrix then addition is possible and the resultant matrix will be of order 2×3 . In case matrix is of 2×3 order and matrix B is of 3×2 order then addition is not possible. Hence it is important to check whether each of the matrices are of same order or not before adding any matrices after that we need to proceed further.

VKSU Algorithm

(Matrix Addition Algorithm)

Let A and B are two matrix arrays of order $m \times n$, and C is another matrix array to store the addition result.
 i, j are counters.

Step 1: Start

Step 2: Read: m and n

Step 3: Read: Take inputs for matrix

$A[1:m, 1:n]$ and matrix $B[1:m, 1:n]$

Step 4: Repeat for $i := 1$ to m by 1:

Repeat for $j := 1$ to n by 1:

$C[i, j] := A[i, j] + B[i, j]$

[End of inner for loop]

[End of outer for loop]

Step 5: Print: matrix C

Step 6: Exit.