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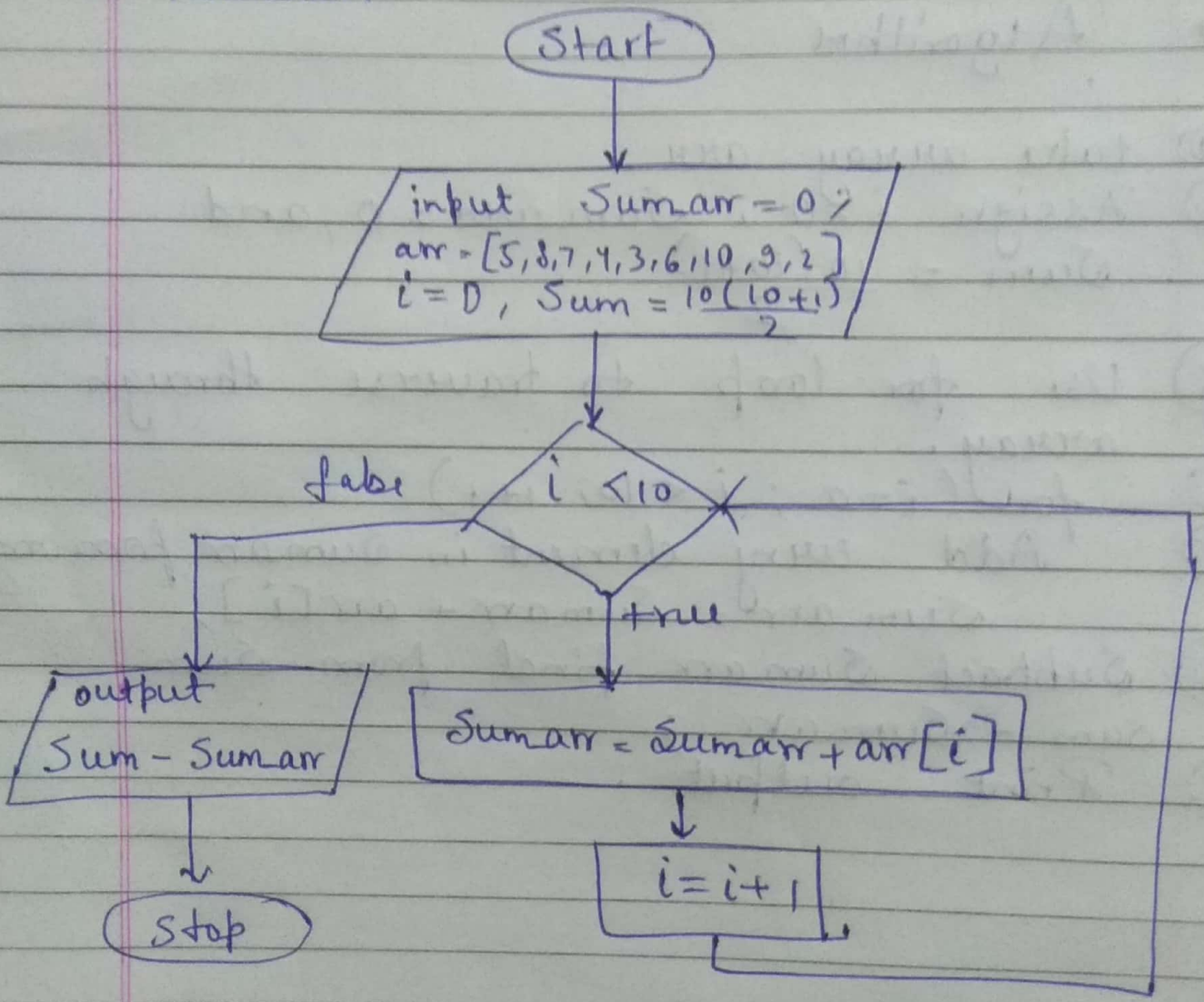
Q: Given array [5,8,7,4,3,6,10,9,2] find missing number.

→ Flowchart



→ Pseudocode

① take input array.
② Use $\frac{n(n+1)}{2}$ to calculate sum of 10 numbers and assign as Sum
③ Use for loop from 0 to 9.
④ Keep adding every element and assign as Sumarr.

(5) Subtract Sumarr from Sum.
(6) Output is number which you got.

→ Algorithm

(1) take array arr.
(2) Assign i=0, Sum_arr = 0, and Sum = $\frac{10(10+1)}{2}$.
(3) Use for loop to traverse through array.
(4) for(i=0; i<10; i++)
(5) Add every element in Sumarr from array
Sum_arr = Sumarr + arr[i];
(6) Subtract Sum_arr final from Sum.
sum - Sum_arr;
(7) Print output.