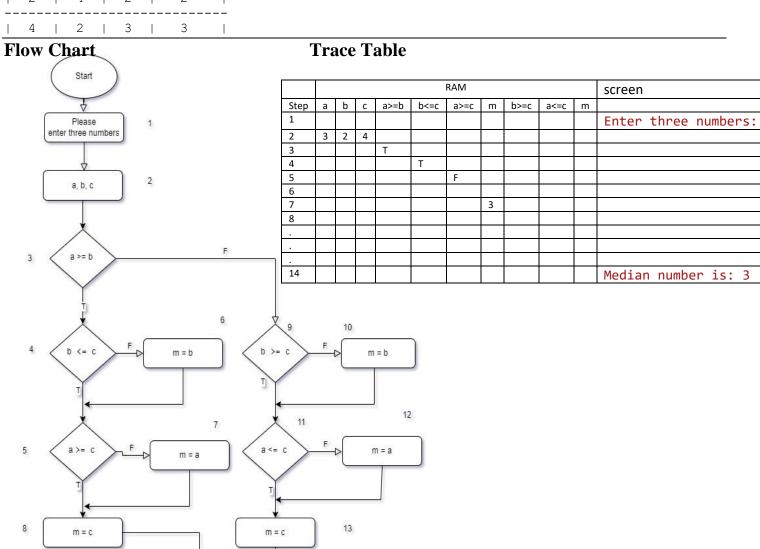
Question: Find the median value of three numbers by comparing any two numbers. (flowchart, trace table)

Here is a flowchart that describes the process of finding the median value of three numbers without using AND or OR operation in our logic:

- Step 1: Please enter three numbers
- Step 2: Assign the number to the variable a, b and c
- Step 3: Compare a and b, if a is greater than or equal to b, move to step 4, otherwise move to step 7
- Step 4: Compare b and c, if b is less than or equal to c, move to step 5, otherwise move to step 6
- Step 5: Compare a and c, if a is greater than or equal to c, assign c to m, otherwise assign a to m
- Step 6: Assign b to m
- Step 7: Compare b and c, if b is greater than or equal to c c, move to step 8, otherwise move to step 9
- Step 8: Compare a and c, if a is less than or equal to c c, assign c to m, otherwise assign a to m
- Step 9: Assign b to m
- Step 10: Print the median value m

Test Cases

	a 	_	b		С		median	
1	3	ı	2	ı	4		3	I
	2	1	4		2		2	
			2				3	



14

"Median number is: ", m

End

Python Program:

```
def main()->None:
   #/* Step 1: Read three numbers */
    a, b, c = input("Enter three numbers: ").split()
   #/* Step 2: Find the median number */
    if (a >= b):
        if (b <= c):
            if a>= c:
                m = c
            else:
                m = a
        else:
            m = b
    else:
        if (b >= c):
            if a <= c:
                m = c
            else:
                m = a
        else:
            m = b
   #/* Step 2: Print the median number */
    print("Median number is: ", m)
if __name__ == "__main__":
    main()
```

Screenshot

