Flowchart for Armstrong number:

Main

Armstrong number:-
ex:- 153=[1*1*1]+[5*5*5]+[3*3*3]

Integer n

Integer sum

Integer num

Integer original

Integer a

Integer x

Output "enter the number of digits in your number"

Input x

Output "enter the number"

Input n

sum = 0

num = n

original = num

num>0 — True

False

a = num MOD 10

sum = sum+(a^x)

num = num/10

sum=original

False — Output "sorry " & ToString (original) & " is not an Armstrong number"
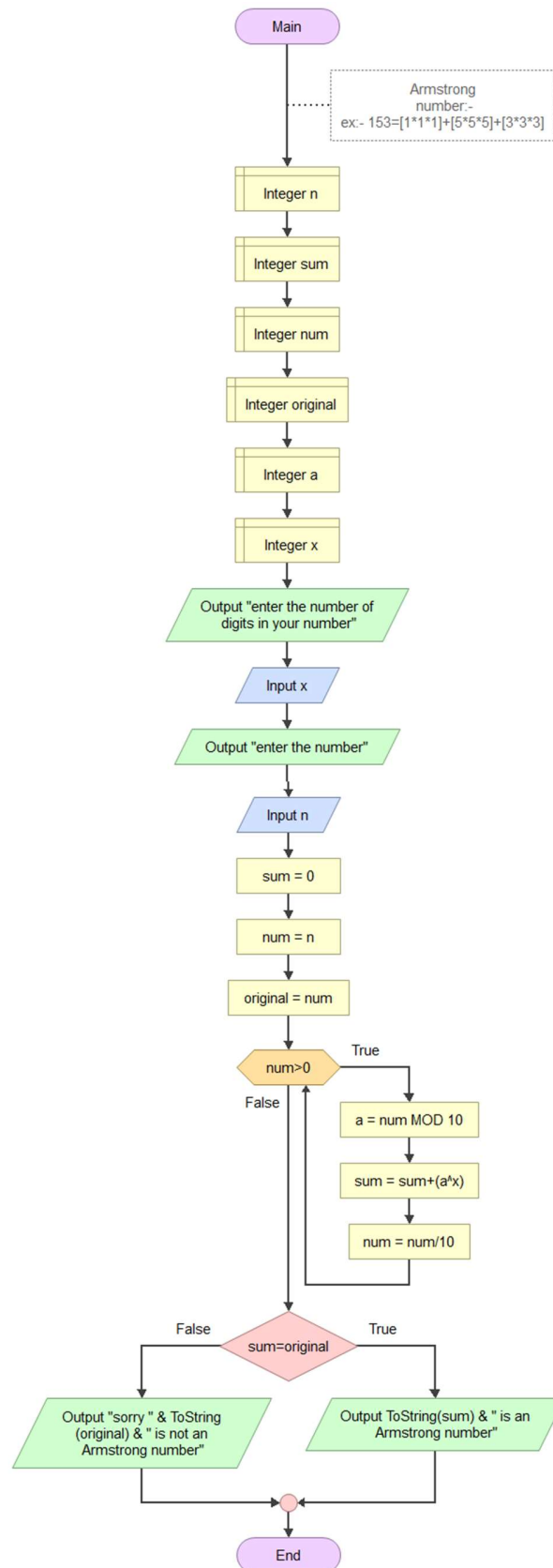
True — Output ToString(sum) & " is an Armstrong number"

End

Pseudo code for Armstrong number:

- Read = n
- Read integer x
- Check=n
- Sum=0
- While n>=0
  Sum=sum+(a^x)
  n=n divided by 10
  n=n/10
- End while
- If sum =check
  Print(num, "is an Armstrong number")
  Else
  Print(num, "is not an Armstrong number")