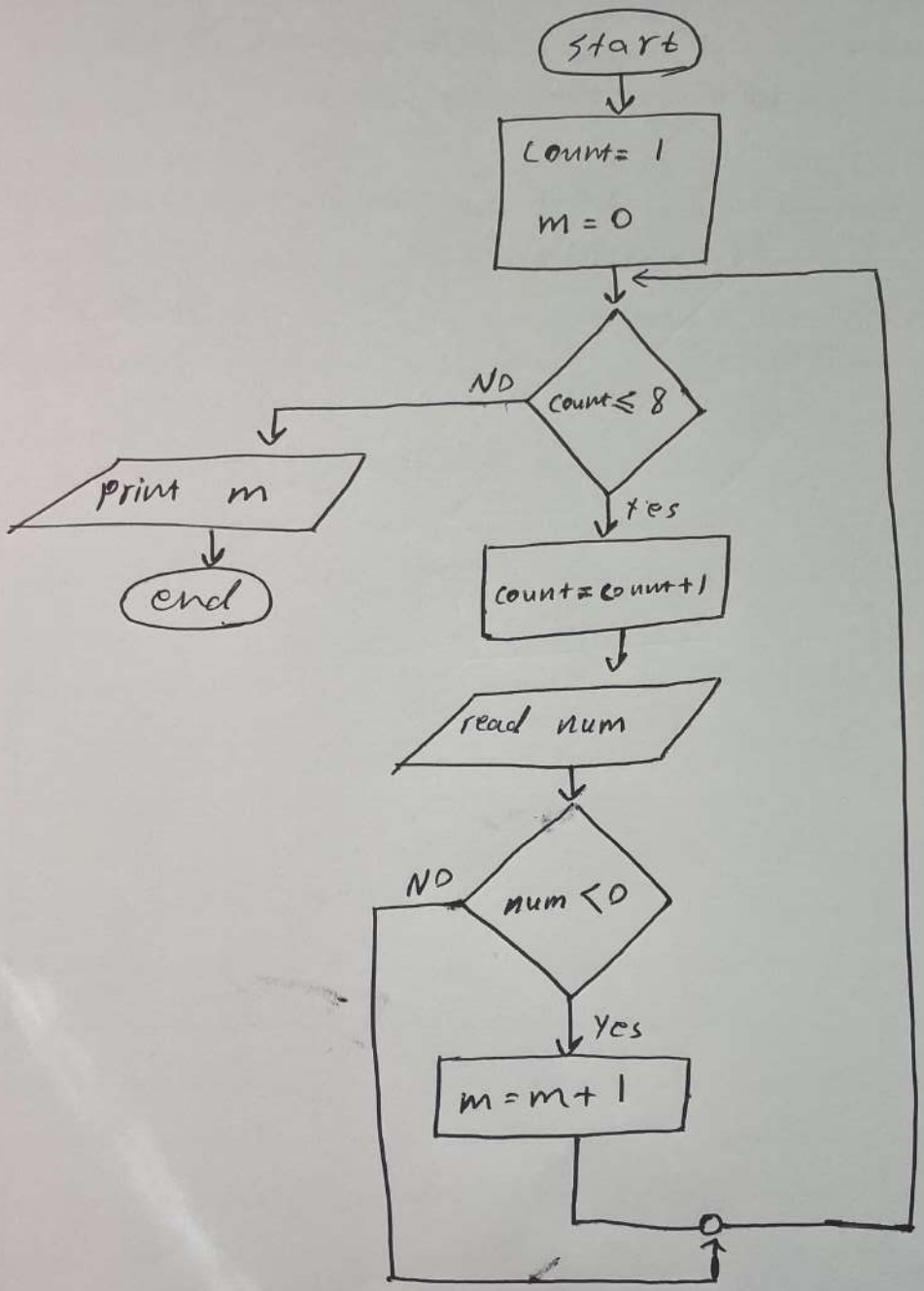
1) Page 139


start
count= 1
m = 0
count≤ 8
NO
Yes
print m
end
count=count+1
read num
num <0
NO
Yes
m = m+ 1

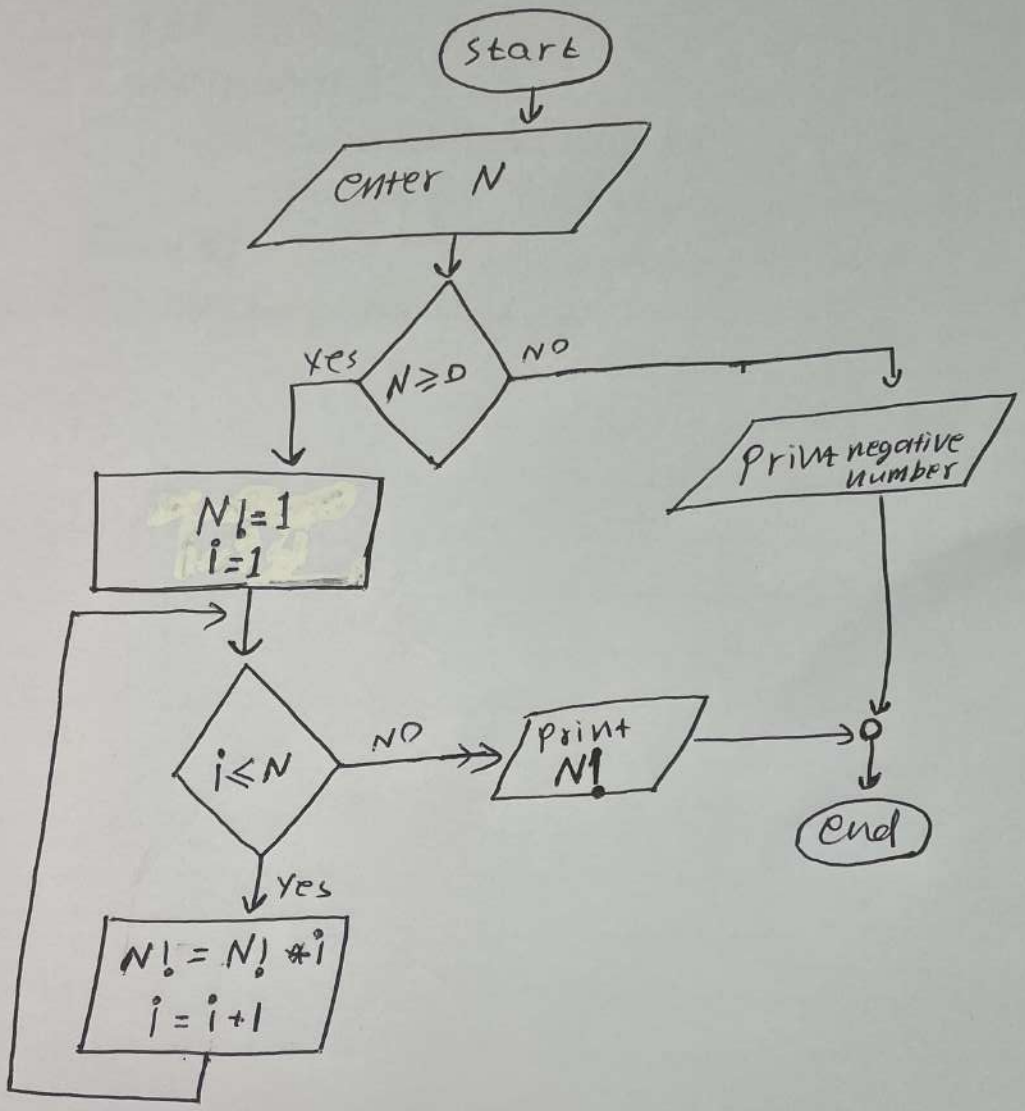
# Pseudocode

1) Page 139:

```
Start
    Set count = 1
    set m: 0
    While count ≤ 8
        calculate count = count + 1
        read num
        If num < 0 then
            calculate m = m + 1
    Print m
End
```

5) Page 139

5)

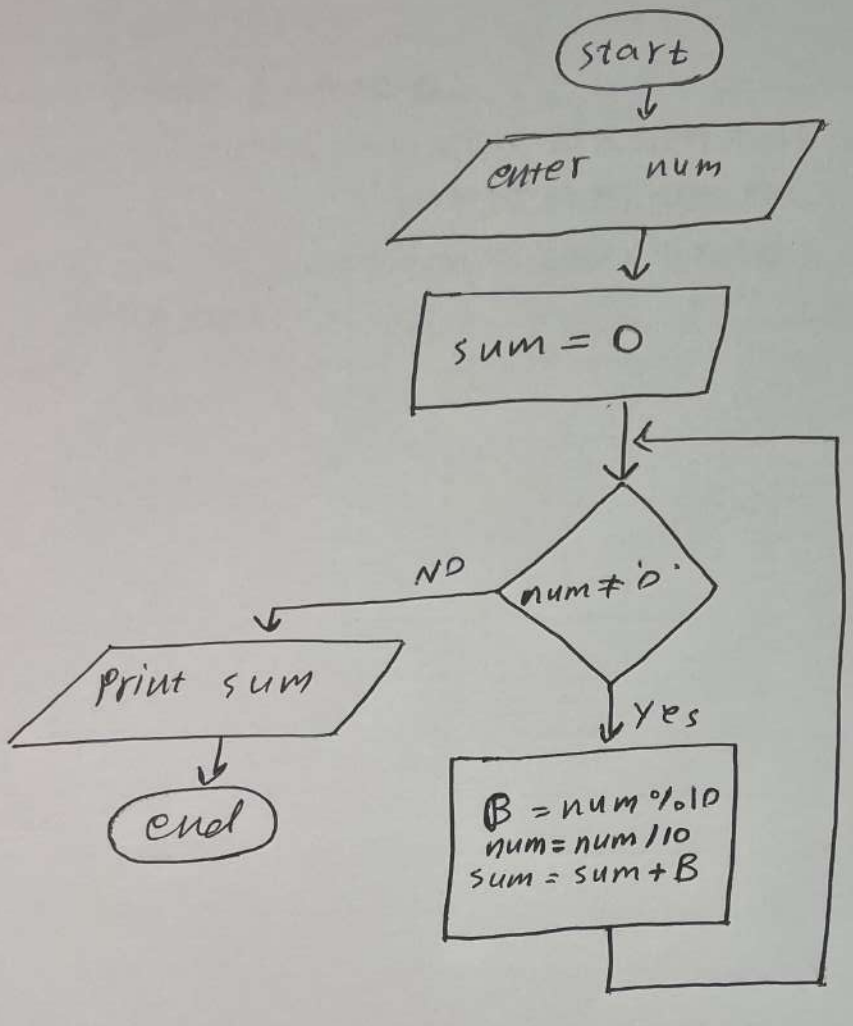

Start
Enter N
N≥0
Yes
NO
Print negative number
N!=1
i=1
i≤N
NO
Print N!
End
Yes
N! = N! *i
i = i+1

# Pseudocode

5) Page 139:

```
Start
    Enter N
    If N ≥ 0 then
            Set N! = 1
            Set i = 1
            while i ≤ N
                    calculate N! = N! * i
                    calculate i = i + 1
            Print N!
    Else Print negative number
End
```

6) Page 139

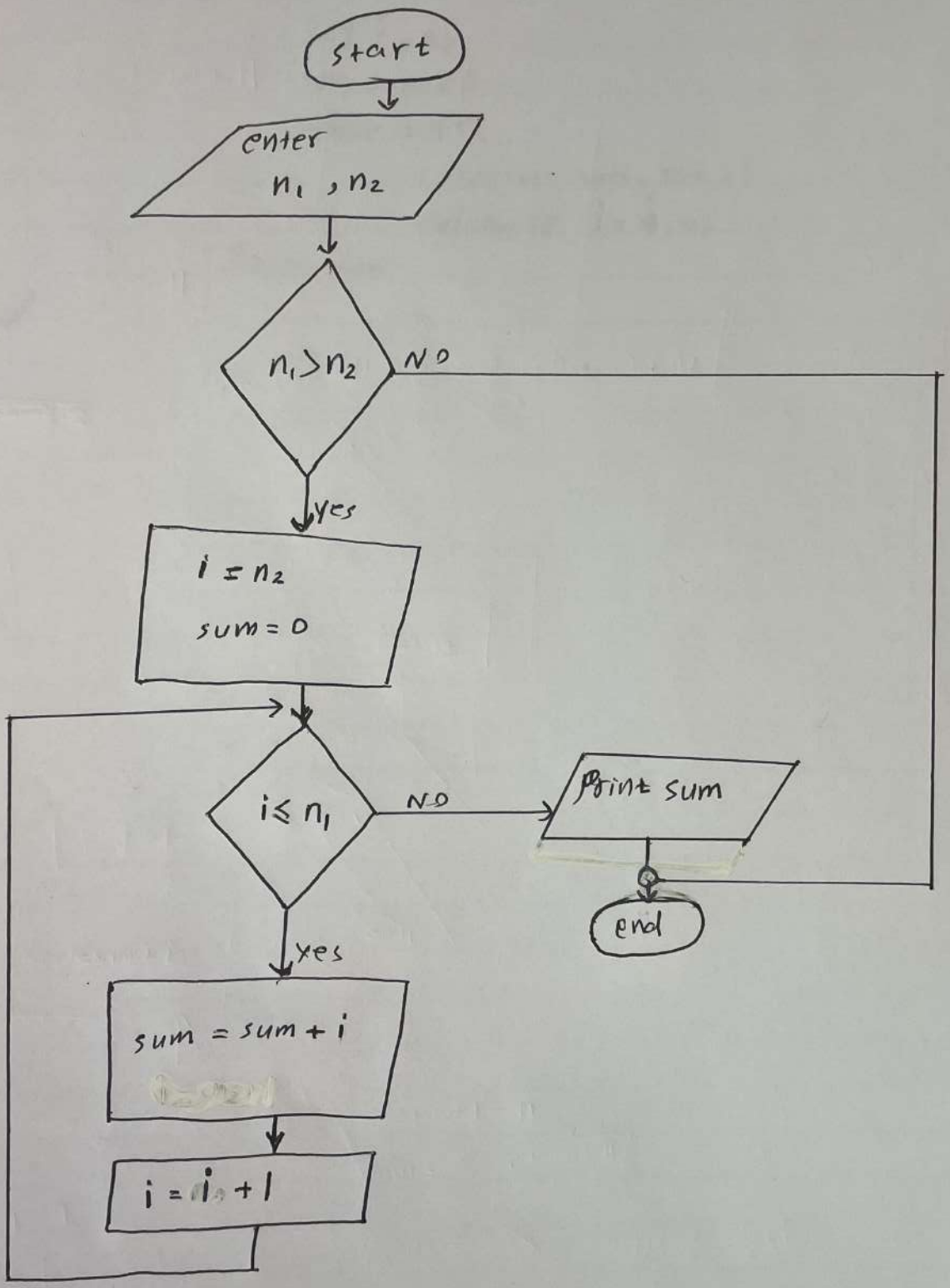

start
enter num
sum = 0
num ≠ '0'
NO
Yes
Print sum
end
B = num % 10
num = num / 10
sum = sum + B

Pseudocode

6) Page 139:

```
Start
    Enter num
    Set Sum = 0
    While num ≠ 0
        Calculate B = num % 10
        Calculate num = num // 10
        calculate sum = sum + B
    Print sum
End
```

8) Page 140

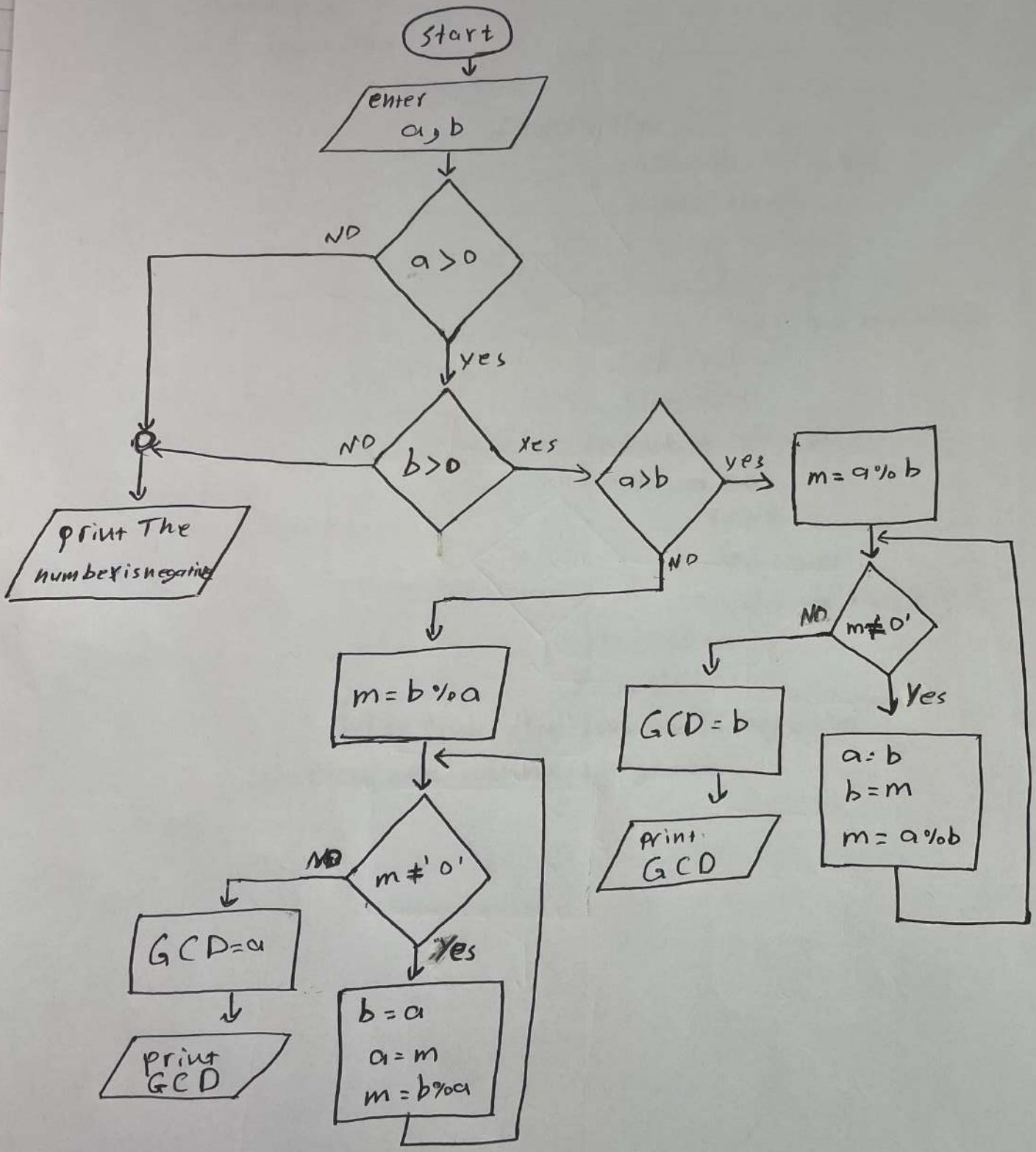

start
enter
$n_1$ , $n_2$
$n_1 > n_2$
NO
yes
$i = n_2$
sum = 0
$i \leq n_1$
NO
print sum
end
yes
sum = sum + i
i = i + 1

Pseudocode

8) Pagelvos

Start
Enter $n_1, n_2$
If $n_1 > n_2$ then
set $i = n_2$
see sum = 0
while $i \leq n_1$
calculate sum = sum + i
calculate $i = i + 1$
Print sum
End

9) Page 110

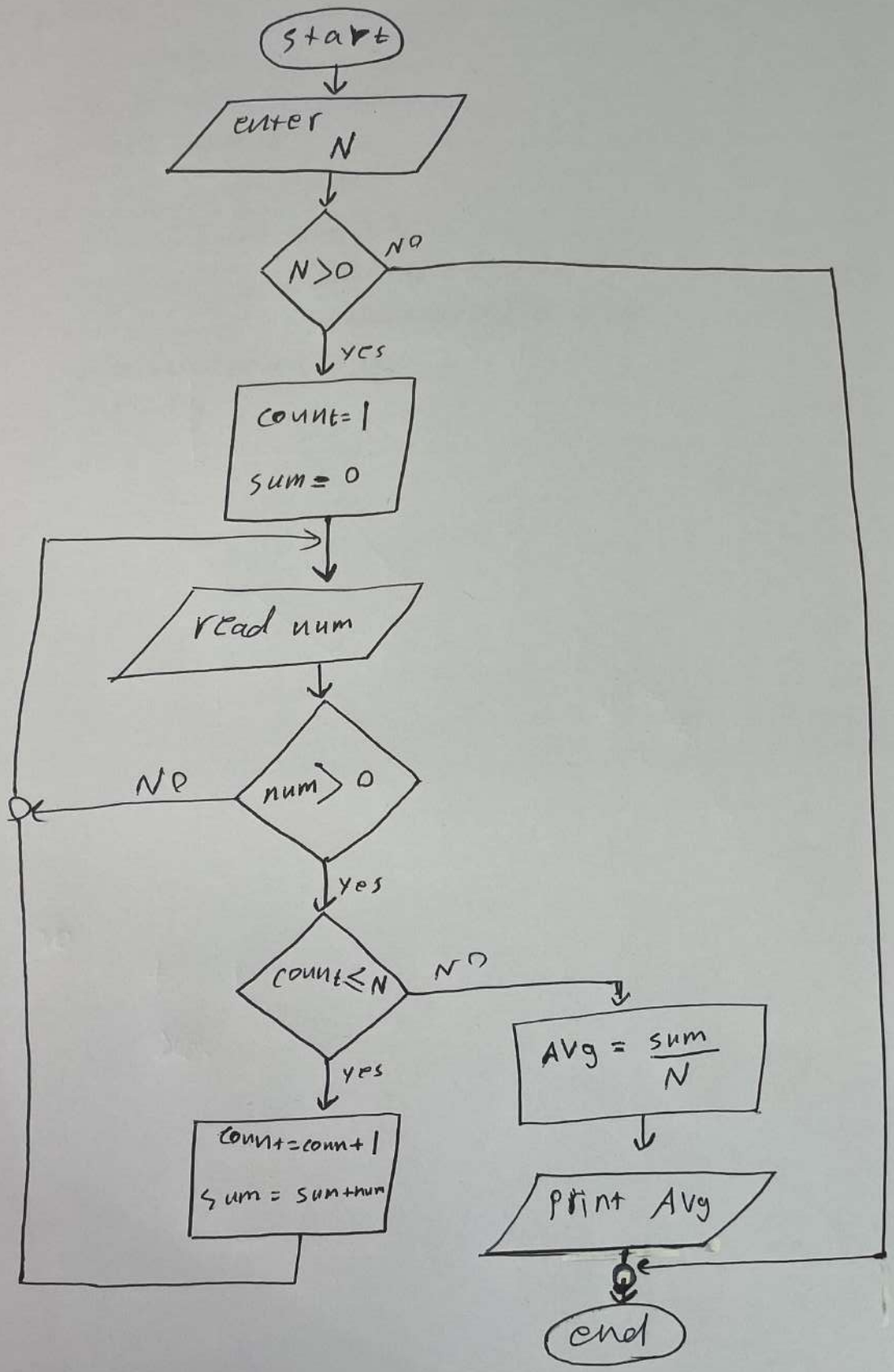

Start
enter a, b
a > 0
NO
yes
b > 0
NO
yes
print The number is negative
a > b
yes
NO
m = a % b
m = b % a
m ≠ 0
NO
Yes
GCD = b
print GCD
a = b
b = m
m = a % b
m ≠ 0
NO
Yes
GCD = a
print GCD
b = a
a = m
m = b % a

# Pseudocode

9) Page 108

```
Start
    Enter a,b
    If a>0 Then
        If b>0 Then
            If a>b Then
                calculate m = a%b
                while m≠0
                    set a=b
                    set b=m
                    calculate m = a%b
                set GCD = b
                Print GCD
            Else calculate m = b%a
                while m≠0
                    set b=a
                    set a=m
                    calculate m = b%a
                set GCD = a
                Print GCD
        Else Print the number is negative.
    Else Print the number is negative.
End
```

11) page 140

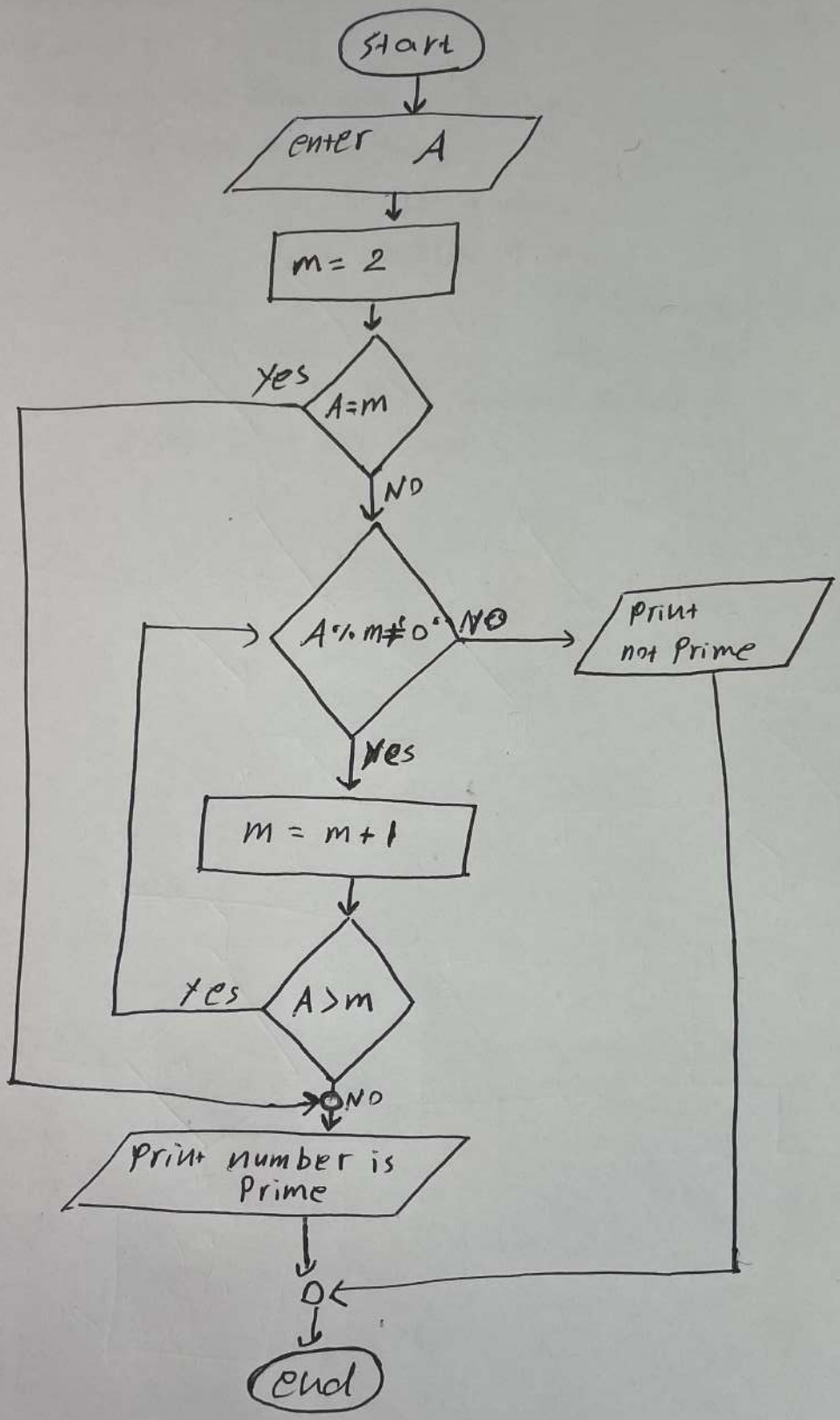

start
enter N
N>0
NO
yes
count=1
sum=0
read num
NO
num>0
yes
count≤N
NO
yes
count=count+1
sum=sum+num
AVg = sum / N
print AVg
end

Pseudo code

11) Page 140

```
Start
    Enter N
    IF N>0 then
            Set count=1
            set sum =0
            while count ≤ N
                    read num
                    If num >0
                        calculate count= count +1
                        calculate sum= sum +num
            Calculate Avg = sum/N
            Print Avg
End
```

13) Page 140


Start
enter A
m = 2
yes
A=m
NO
A % m ≠ 0
NO
Print not Prime
Yes
m = m + 1
yes
A > m
NO
Print number is Prime
End

Pseudocode

13) Page 140

```
Start
    Enter A
    set m=2
    IF A=m Then Print number is Prime
    Else IF A % m ≠ 0 Then
                set m=m+1
                while A>m
                    If A % m ≠ 0 Then
                    set m=m+1
                Print number is Prime
            Else Print not Prime.
End
```