

BITF20M1010

Task # 2

```
integer num1, num2
```

```
print "please enter the first integer:"
```

```
input num1
```

```
print "please enter the second integer:"
```

```
input num2
```

```
if (num1 > num2)
```

```
{
```

```
    print "num1 is larger."
```

```
}
```

```
else
```

```
{
```

```
    if (num2 > num1)
```

```
{
```

```
        print "num2 is larger"
```

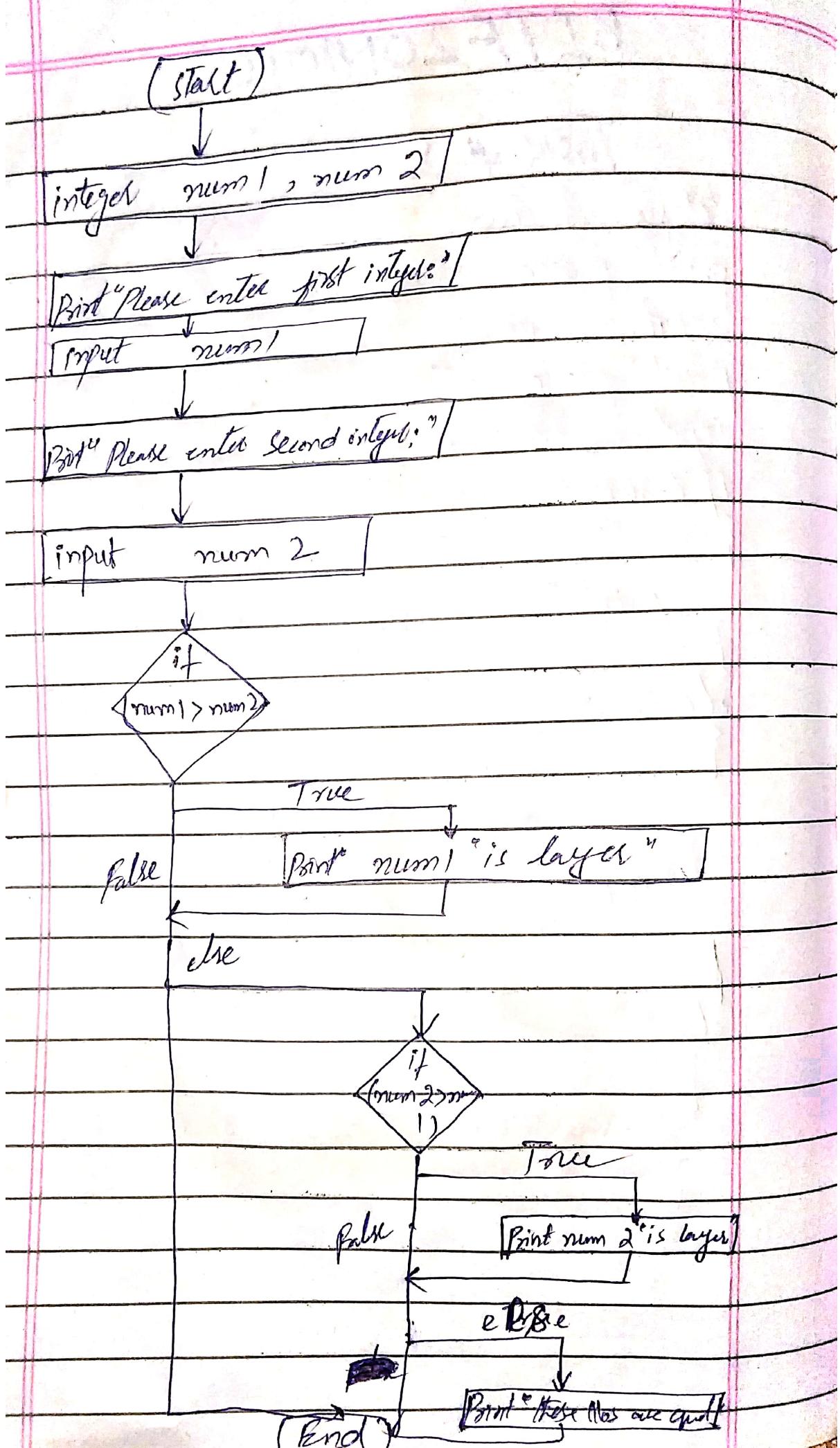
```
}
```

```
{
```

```
    print "These numbers are equal."
```

```
}
```

```
{
```



Task # 3

real radius 1, radius 2, area1, area2

print "please enter the radius of first circle:"

input radius 1

print "please enter the radius of second circle:"

input radius 2

area1 = 3.14 * radius 1 * radius 1

area2 = 3.14 * radius 2 * radius 2

if (area1 > area2)

{

 print "first circle has greater area"

}

else

{

 if (area2 > area1)

{

 print "second circle has greater area"

}

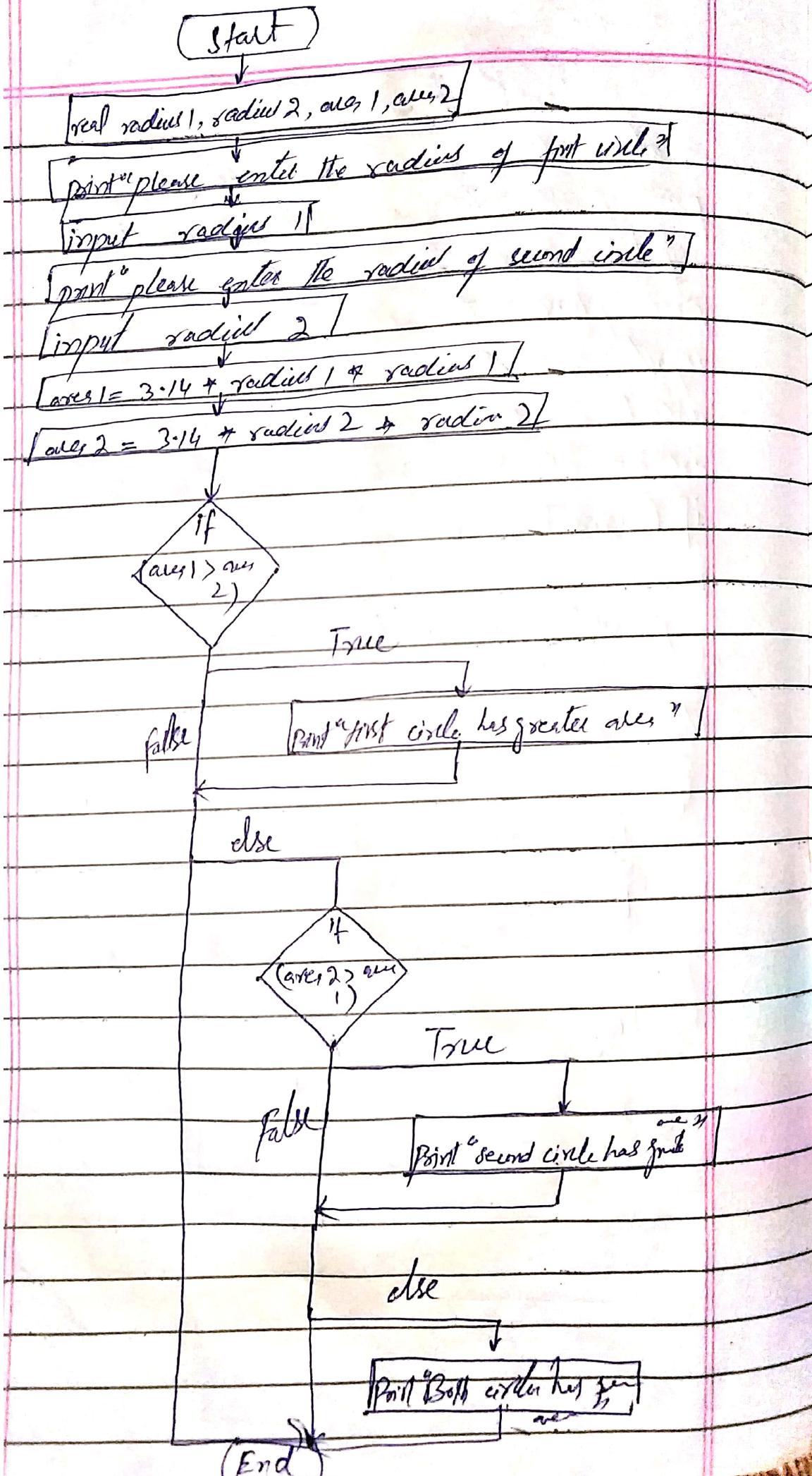
else

{

 print "Both circles have same area"

}

}



Task # 4

integer numBooks

print "please enter the number of books?"

input numBooks.

if (numBooks == 0)

{

 print "0 points earned"

}

else

{

 if (numBooks == 1)

{

 print "5 points earned"

}

else

{

 if (numBooks == 2)

{

 print "15 points earned"

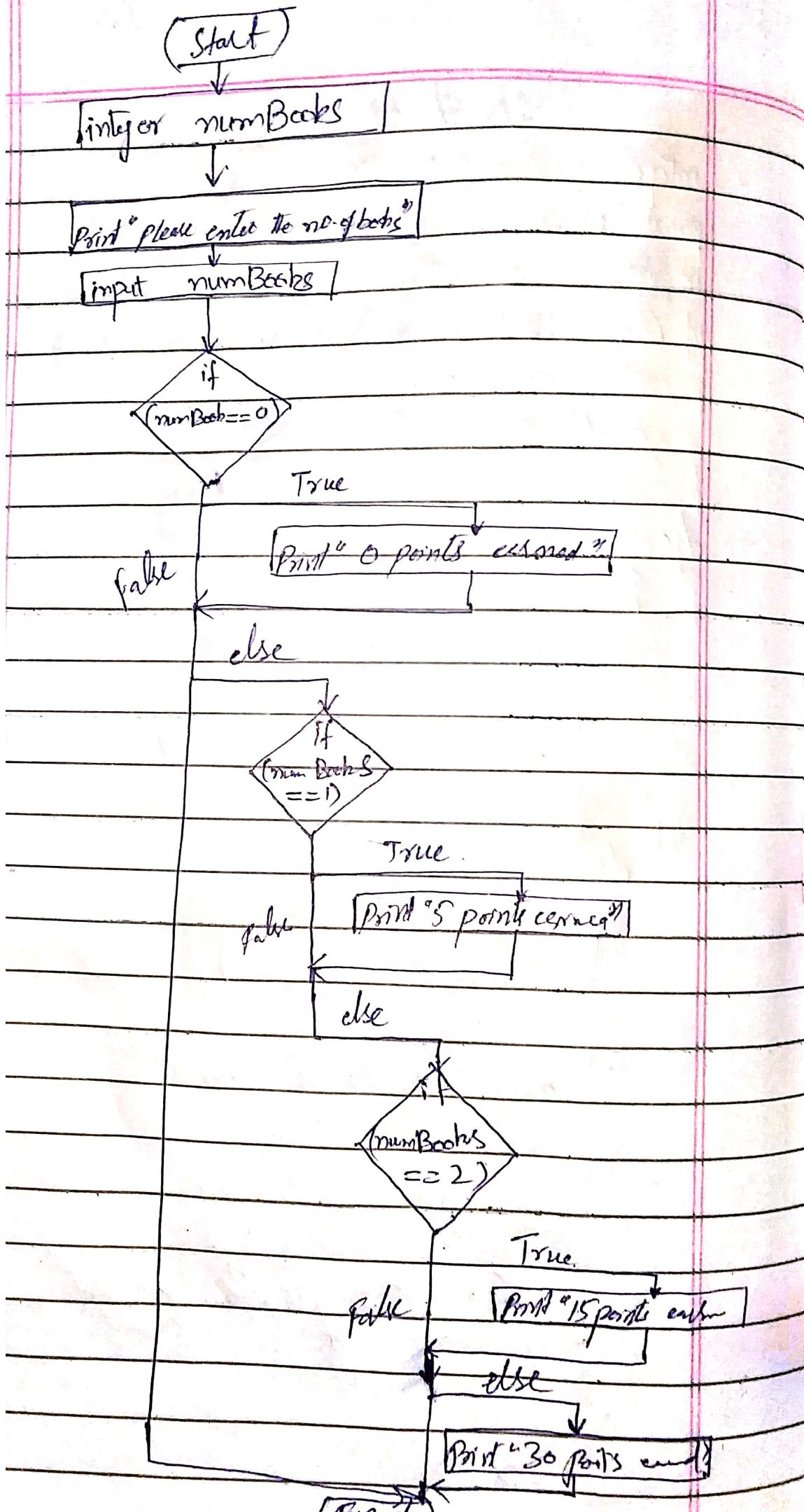
}

else

{

 print "30 points earned"

}



Task #5

integer num1, num2

print "please enter the first integer : "

input num1

print "please enter the second integer : "

input num2

if (num1 > num2)

{

 print "num 1 is largest"

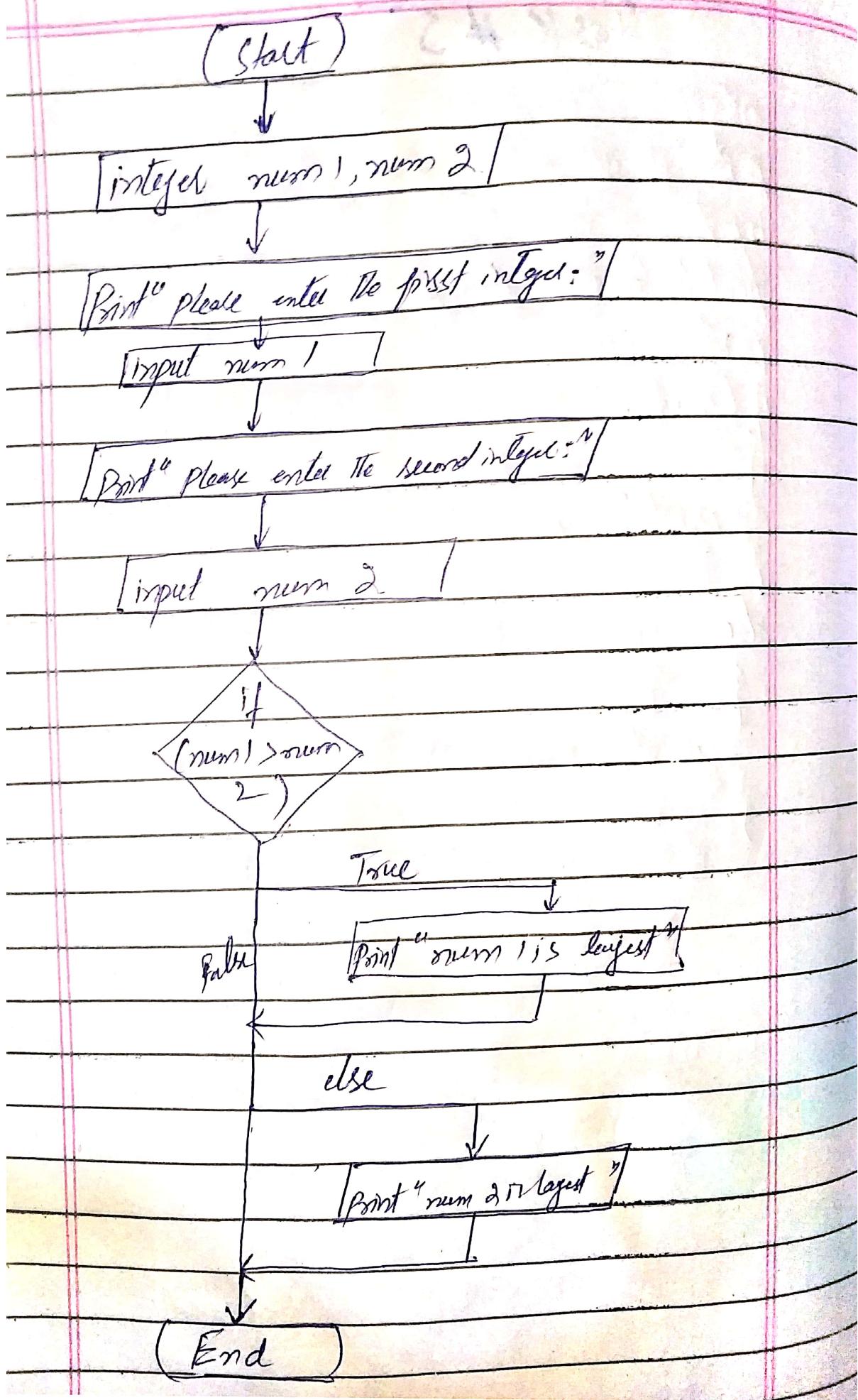
}

else

{

 print "num 2 is largest"

}



TASK # 6

integer num

print "please enter an integer number:"

input num

if (num % 2 == 0)

{

 print "The integer is even"

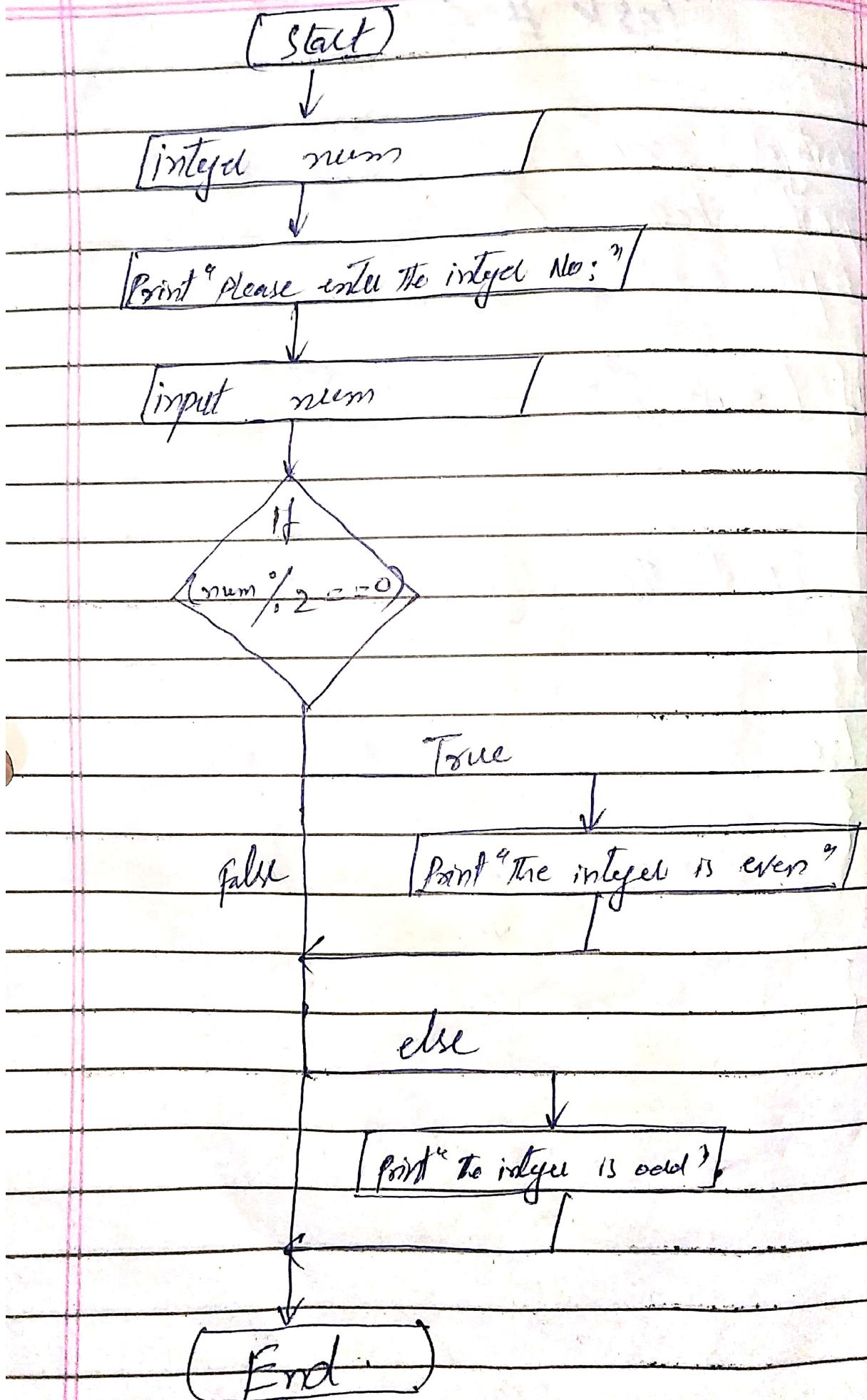
}

else

{

 print "The integer is odd"

}



Task # 9

integer obtainedMarks

point "please enter the marks."

input obtainedMarks

if (obtainedMarks < 0 || obtainedMarks > 100)

{
 point "invalid"

}

else

{

 if (obtainedMarks > 0 && obtainedMarks <= 100)

 if (obtainedMarks > 50)

{

 point "pass"

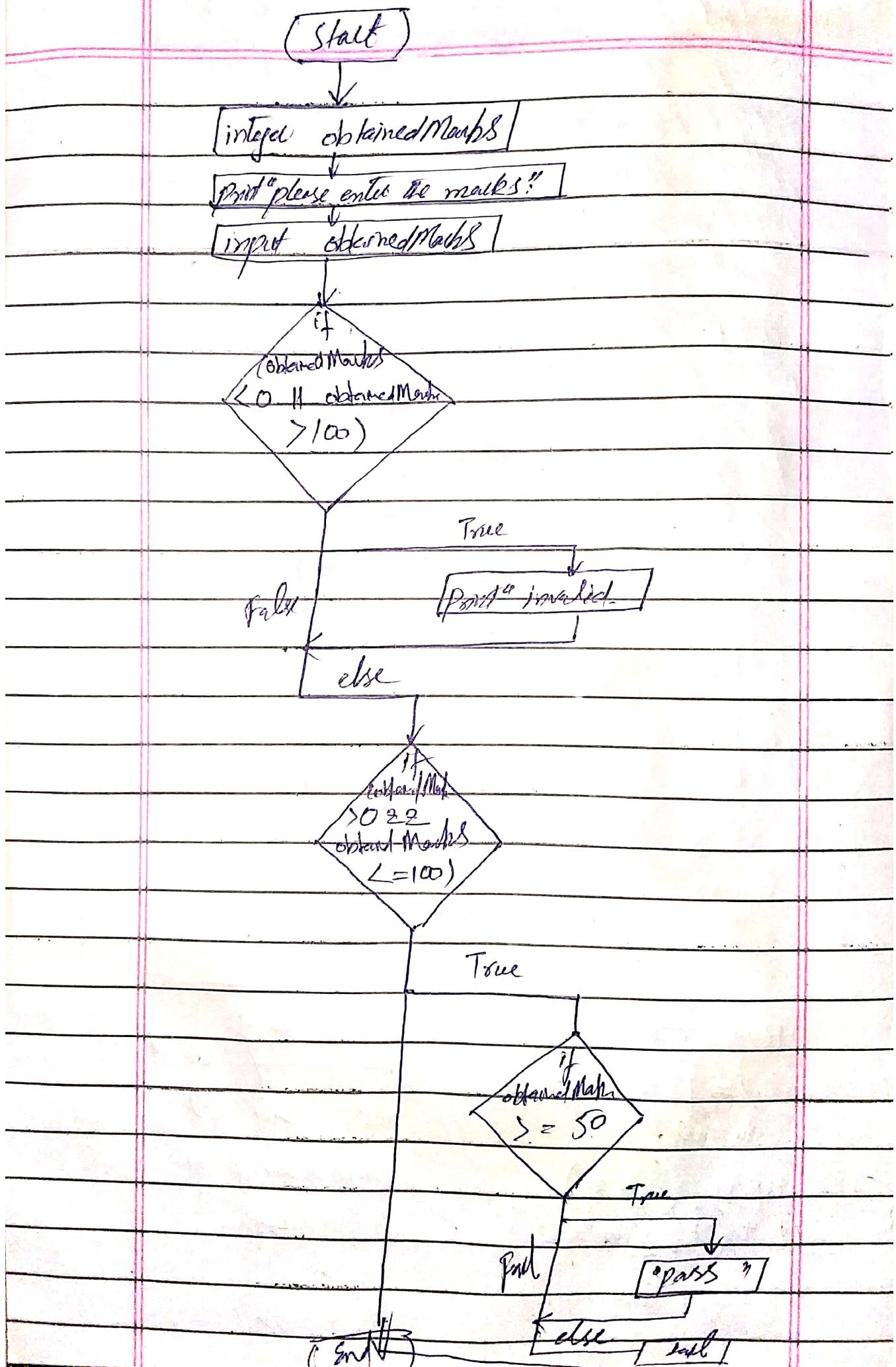
}

 else

{

 point "fail"

}



Task # 2

```
integer num 1, num 2
print "please enter the first integer:"
input num 1
print "please enter the second integer:"
input num 2
if (num 1 > num 2)
{
    print "num 1 is larger"
}
else if (num 2 > num 1)
{
    print "num 2 is larger"
}
else
{
    print "These numbers are equal"
```

TASK # 3

real radius 1, radius 2, area 1, area 2

print "please enter the radius of first circle?"

input radius 1

print "please enter the radius of second circle?"

input radius 2

area 1 = $3.14 * \text{radius 1} * \text{radius 1}$

area 2 = $3.14 * \text{radius 2} * \text{radius 2}$

if (area 1 > area 2)

{
 print "first circle has greater area"
}

else if (area 2 > area 1)

{
 print "second circle has greater area"
}

else

{
 print "both circles have same area"
}

Task #4

integer numBooks

print "please enter the number of books:"

input numBooks

if (numBooks == 0)

{

} print "0 point earned"

else if (numBooks == 1)

{

} print "5 points earned"

else if (numBooks == 2)

{

} print "15 points earned"

else

{

} print "30 points earned"

}

Task # 9

```
integer obtainedMarks
print "please enter your marks : "
input obtainedMarks
if (obtainedMarks < 0 || obtainedMarks > 100)
{
    print " invalid"
}
else if (obtainedMarks < 50 )
{
    print " fail"
}
else
{
    print " pass"
```

Task # 11

integer num1, num2, num3

print "please enter the first integer:"

input num1

print "please enter the second integer:"

input num2

print "please enter the third integer:"

input num3

if (num1 > num2 && num1 > num3)

{

 print "the largest integer is" num1

}

else if (num2 > num1 && num2 > num3)

{

 print "the largest integer is" num2

}

else

{

 print "the largest integer is" num3

}

Task #12

input length 1, length 2, length 3

print "please enter the first length of triangle;"

input length 1

print "please enter the second length of triangle;"

input length 2

print "please enter the third length of triangle;"

input length 3

if (length 1 + length 1 + length 2 + length 2 == length 3 + length 3)

{ print "Triangle is right triangle"

} else if (length 1 + length 1 + length 3 + length 3 == length 2 + length 2)

{ print "Triangle is right triangle"

} else if (length 2 + length 2 + length 3 + length 3 == length 1 + length 1)

{ print "Triangle is right triangle"

} else

{

{ print "Triangle is not right triangle"

}

Start

intyer length1, length2, length3

Print "please enter the first length of triangle:"

input length 1

Print "Please enter the second length of triangle"

input length 2

Print "Please enter the third length of triangle"

input length 3

If

(length1 * length1
+ length2 * length2 == length3 * length3)

True

Print

"triangle is right triangle"

else

if

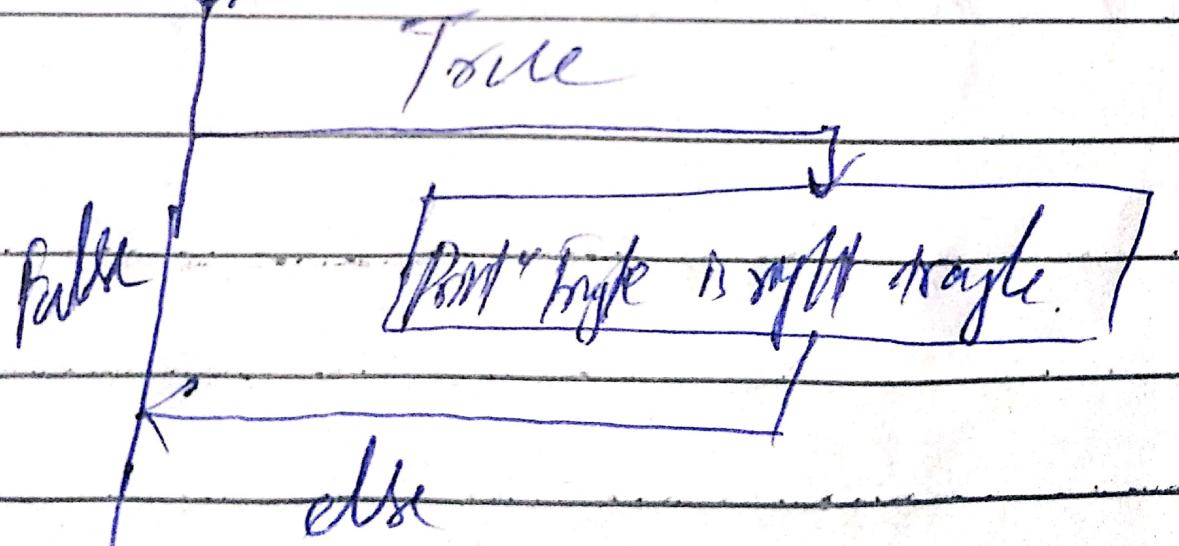
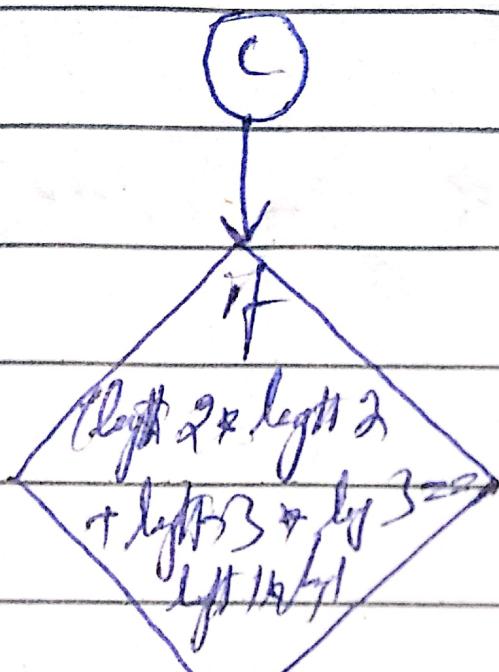
(length1 * length1
+ length3 * length3 == length2 * length2)

True

Print

"triangle is right triangle"

else



Point triangle is not right triangle.

Q. No. 1

integer number, sum

Point " please enter the number : "

input number

sum = 0

number = 1

while (number < upperlimit)

{

if (number % 2 == 0)

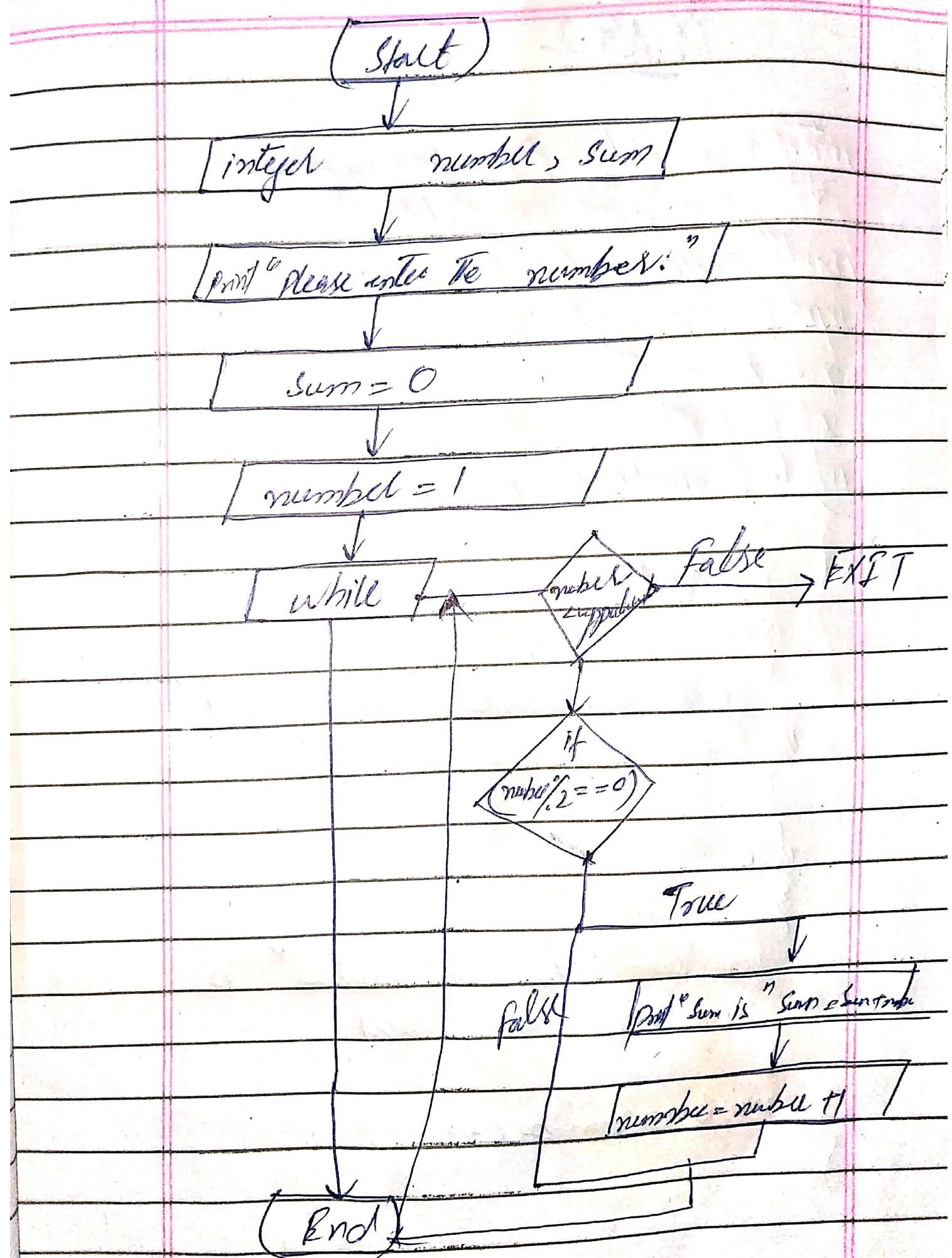
{

point " Sum is " sum = sum + number

}

number = number + 1

}



A. No. 2

integer upperLimit, number, sum,
sumEven, sumOdd.

print "please enter the upperlimit:"
input upperlimit.

number = 1

sum = 0

while (number <= upperlimit)
{

{ if (number % 2 == 0)

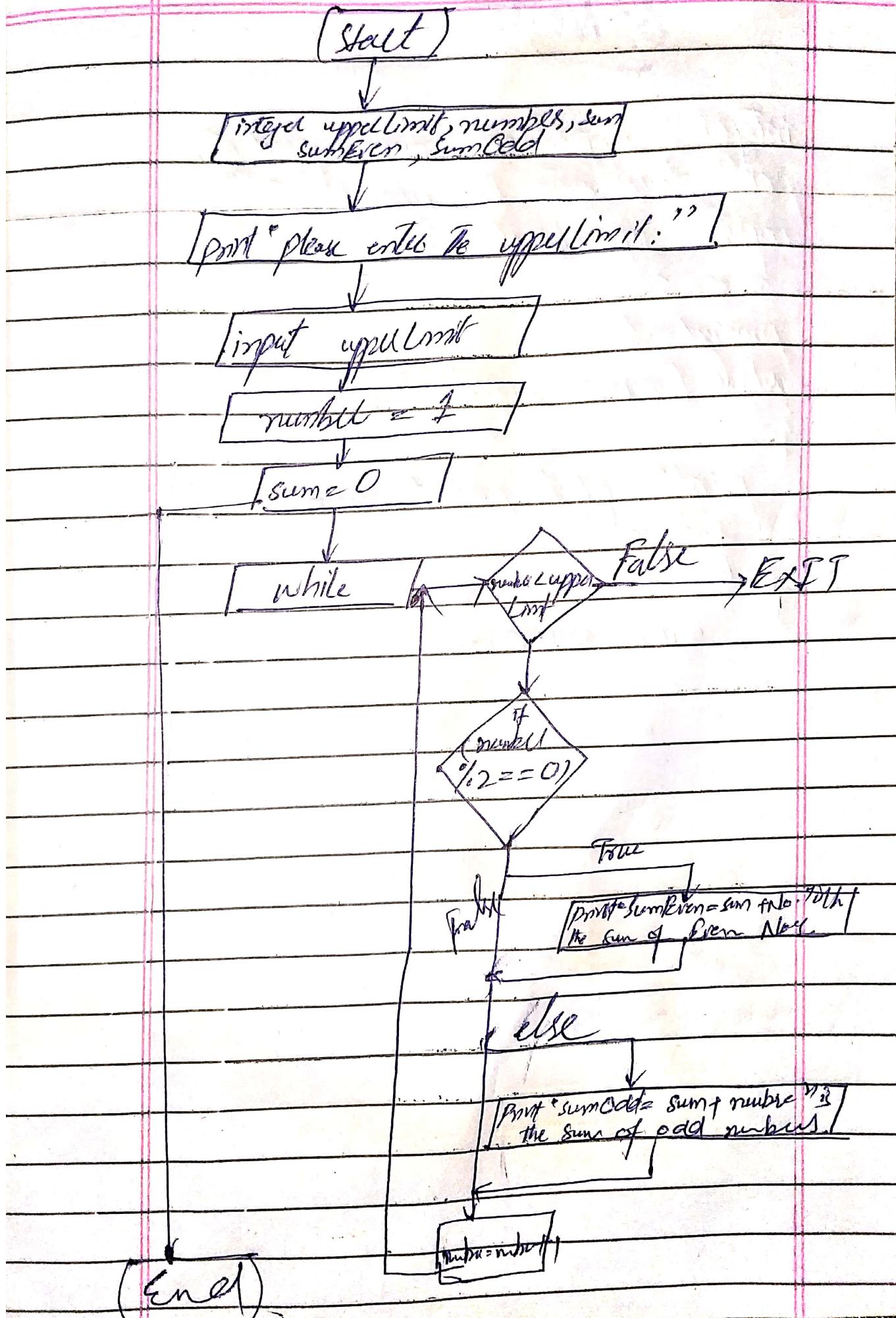
print "sumEven = sum + number"
is the sum of even numbers?

{ else
{

print "sumOdd = sum + number" is

the sum of odd numbers?

{ number = number + 1
}



Q.No.3.

integer upperlimit, num, product.

print "please enter the upperlimit: "

input upperlimit

num = 2

product = 1

while (num < upperlimit)

{
 print "product = product + num is the
 factorial"
}

num = num - 1

t)

int, num, product

Let the upperint: "

upperint

e

1

