

Experiment 5.1.1

Algorithm:

Step 1: Start

Step 2: Input an integer a (year)

Step 3: Check if $a \% 4 == 0$

Step 4: If true, print "Leap year"

Step 5: Otherwise, print "Not a leap year"

Step 6: Stop

Code:

```
a = int(input())

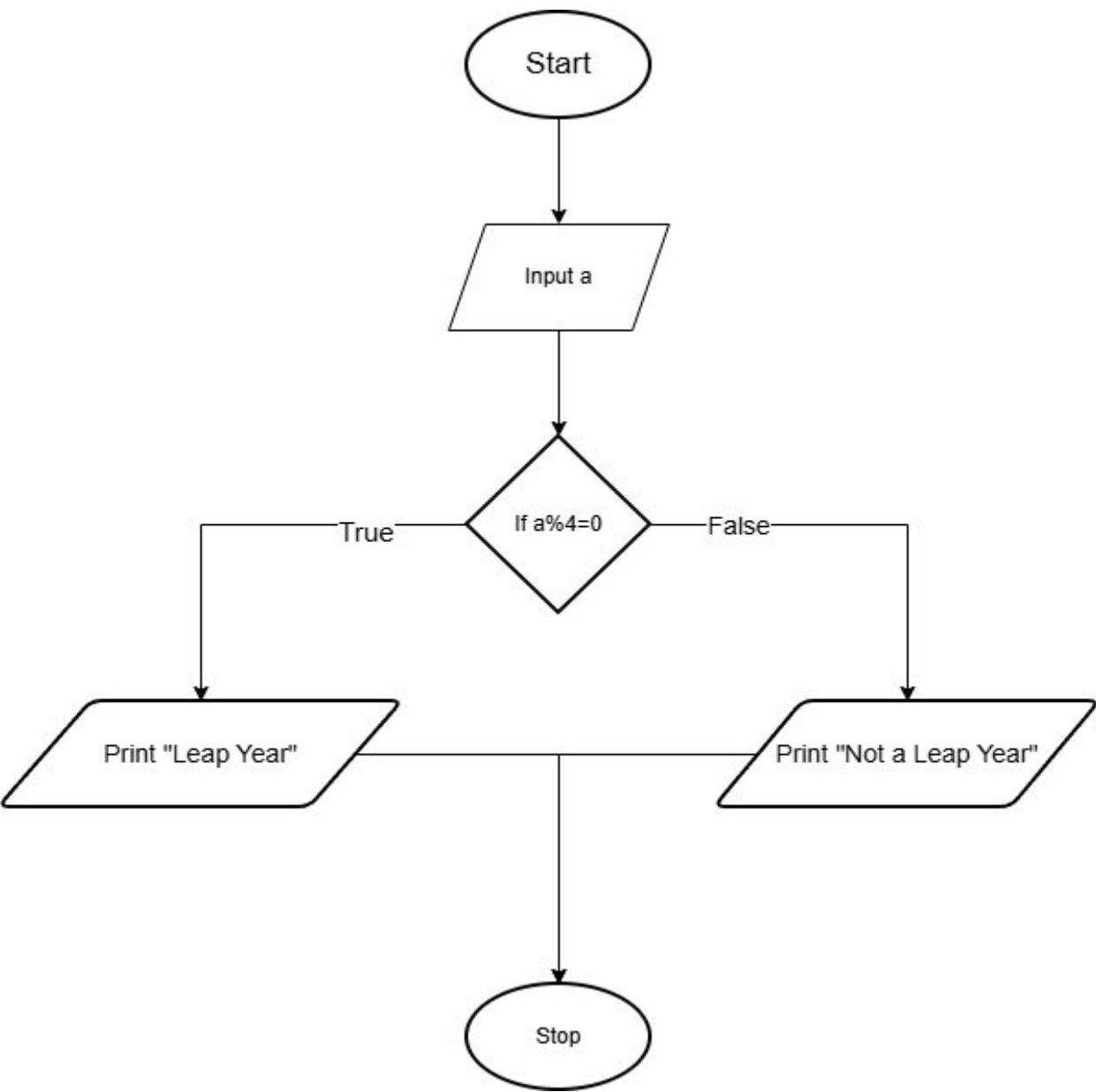
if a%4==0:

    print("Leap year")

else:

    print("Not a leap year")
```

FlowChart:



5.1.1. Leap Year Checker

81.55

Write a Python program that prompts the user to enter a year. The program should determine if the year is a leap year or not and print the appropriate message.

Input Format:

- A single line contains an integer representing the year.

Output Format:

- Print "Leap year" if it is a leap year. Otherwise, print "Not a leap year".

Sample Test Cases

Test case 1

2024

Leap year

Test case 2

2022

Not a leap year

leapYear.py

```
1 a = int(input())
2 if a%4==0:
3     print("Leap year")
4 else:
5     print("Not a leap year")
```

Average time

0.003 s

2.75 ms

Maximum time

0.003 s

3.00 ms

2 out of 2 shown test case(s) passed

2 out of 2 hidden test case(s) passed

Test case 1 3 ms

Debug

Expected output

Actual output

2024

2024

Leap year

Leap year

Test case 2 3 ms

Terminal

Test cases

< Prev

Reset

Submit