**Problem #1**

**Leap year**

In the Gregorian calendar, years that are multiples of 4 are leap years. However, exception to this rule occurs on the century year. A century year is a multiple of 100. Such a year is deemed as leap year only if it is a multiple of 400. Write a program that takes a year as input and outputs "Leap year" if the year is a leap year. Otherwise, it should output "Not a leap year". **You cannot use if-else or switch statements for this task**. (Hint: Use the *ternary operator* (?:))

|  |  |
| --- | --- |
| **Sample Input(s)** | **Corresponding Output(s)** |
| 1900  2000  1904  2004  2015 | Not a leap year  Leap year  Leap year  Leap year  Not a leap year |

**Problem #2**

**Max and Min**

In this problem, you are given 4 integers. You need to output the minimum and the maximum of these integers.

See the following example:

|  |  |
| --- | --- |
| **Sample Input(s)** | **Corresponding Output(s)** |
| 10 20 30 40  17 85 52 12 | Min: 10 Max: 40  Min: 12 Max: 85 |