

BDSA Assignment week 01

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1 The Leap Year Algorithm

The algorithm takes a user input and makes three compares, to determine if the given year is a leap year. The first check is to determine if the year is after 1582. The second check to see if the year is divisible by 100. If this check fails, the algorithm will return whether the year is divisible by 4. The third check ensures that the year is divisible by 400 - if this is the case, it is a leap year.

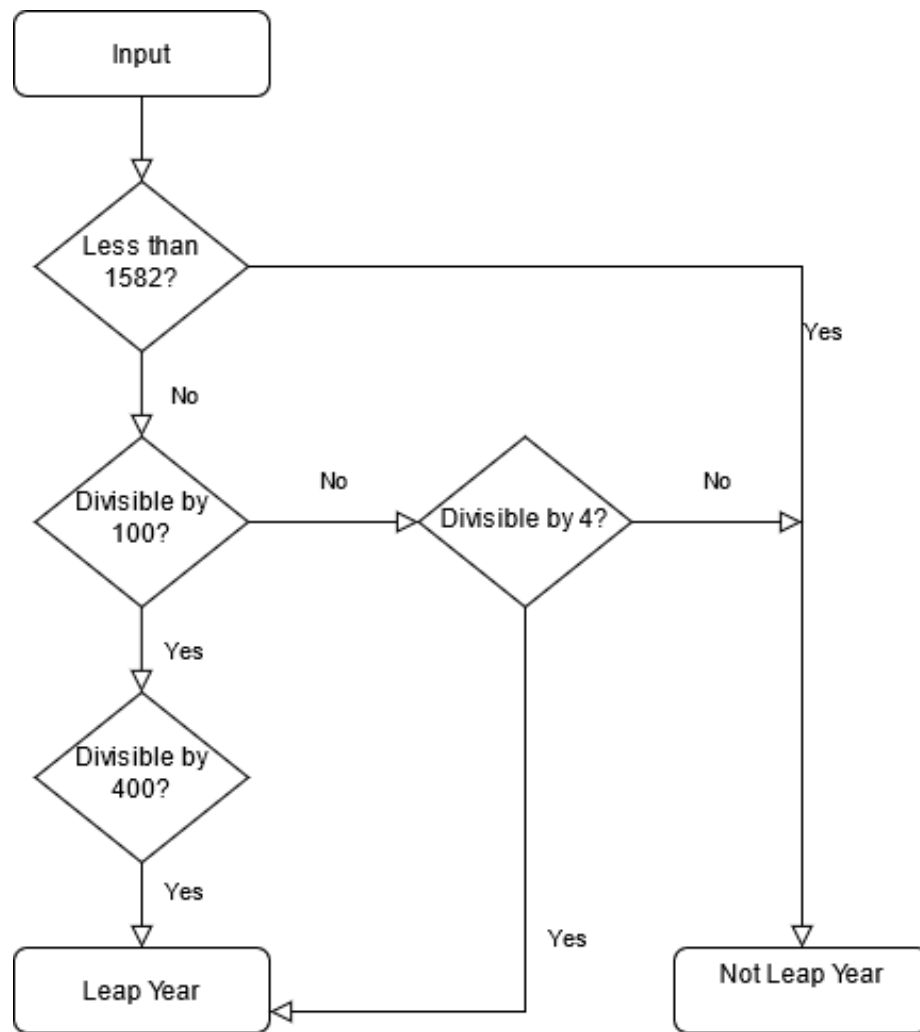


Figure 1: A visualization of the algorithm. Made using www.app.diagrams.net