

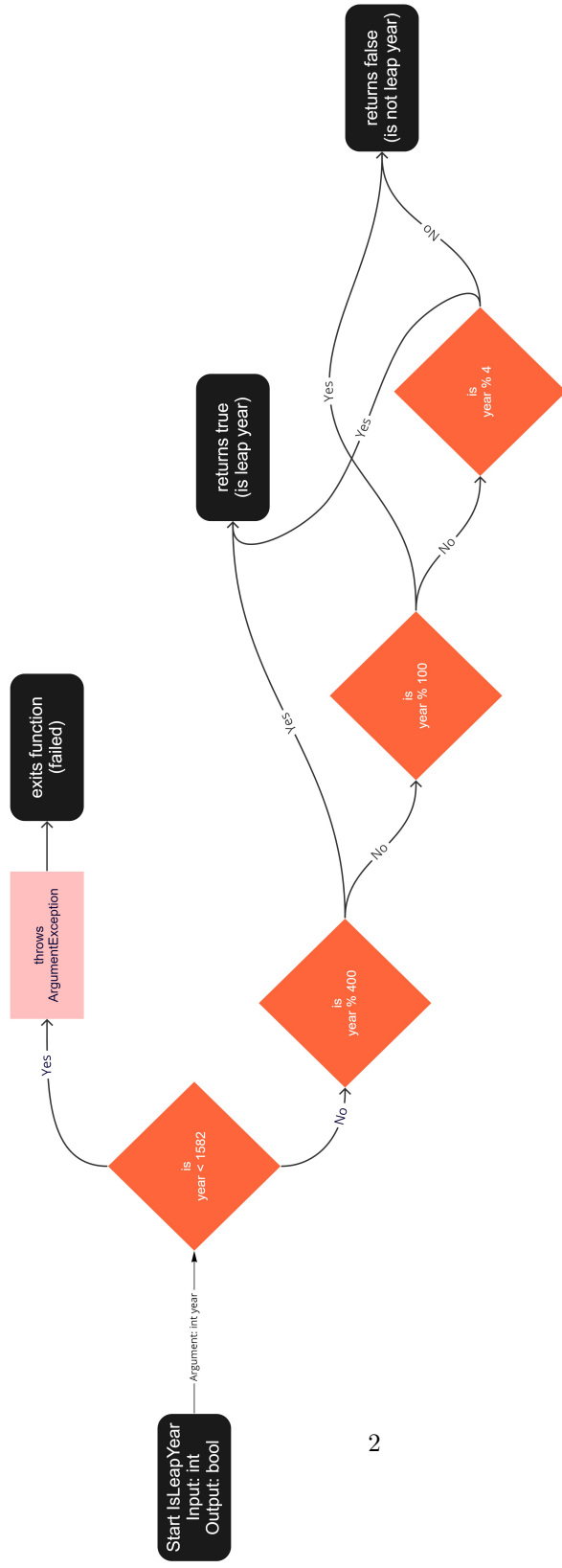
# BDSA - IsLeapYear function documentation

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## **1 IsLeapYear**

This pdf contains written and visual documentation of the function IsLeapYear.



*IsLeapYear(int year)* takes an int as argument and returns a bool, which represents whether the int given is a leap year or not. Firstly the function checks if the int given is equal to or larger than the year 1582. If this is not the case an `ArgumentException` is thrown and the function is quit.

If it is equal to or larger than 1582 it starts a series of if/else-statements to check if its a leap year. First if the year is divisible by 400 it returns true - it is a leap year. If not, then it checks if the year is divisible by 100, if yes it returns false - it is not a leap year. If not, then it checks if the year is divisible by 4, if yes it returns true - it is a leap year. If not, then the function returns false as it is not a leap year.