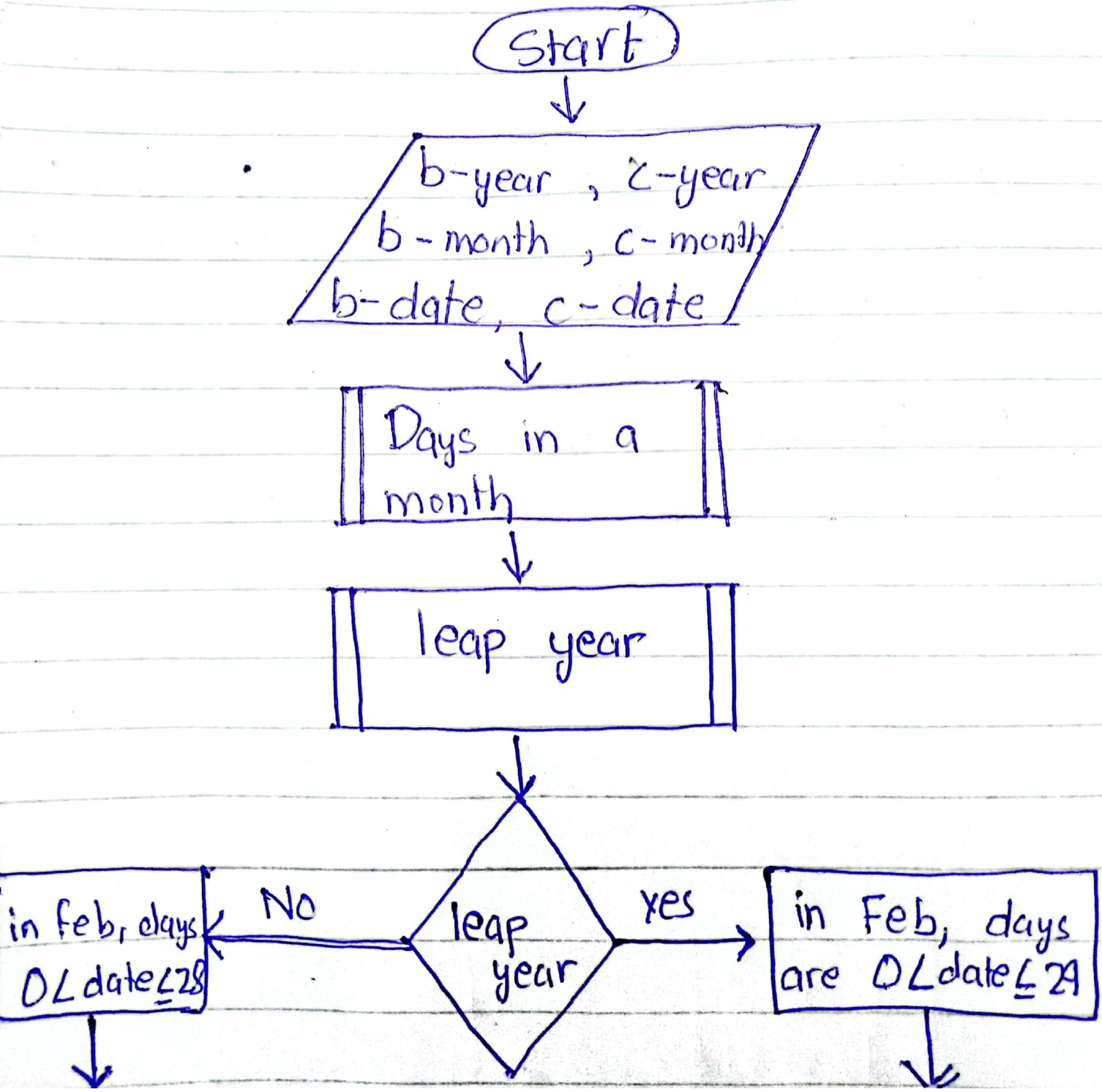
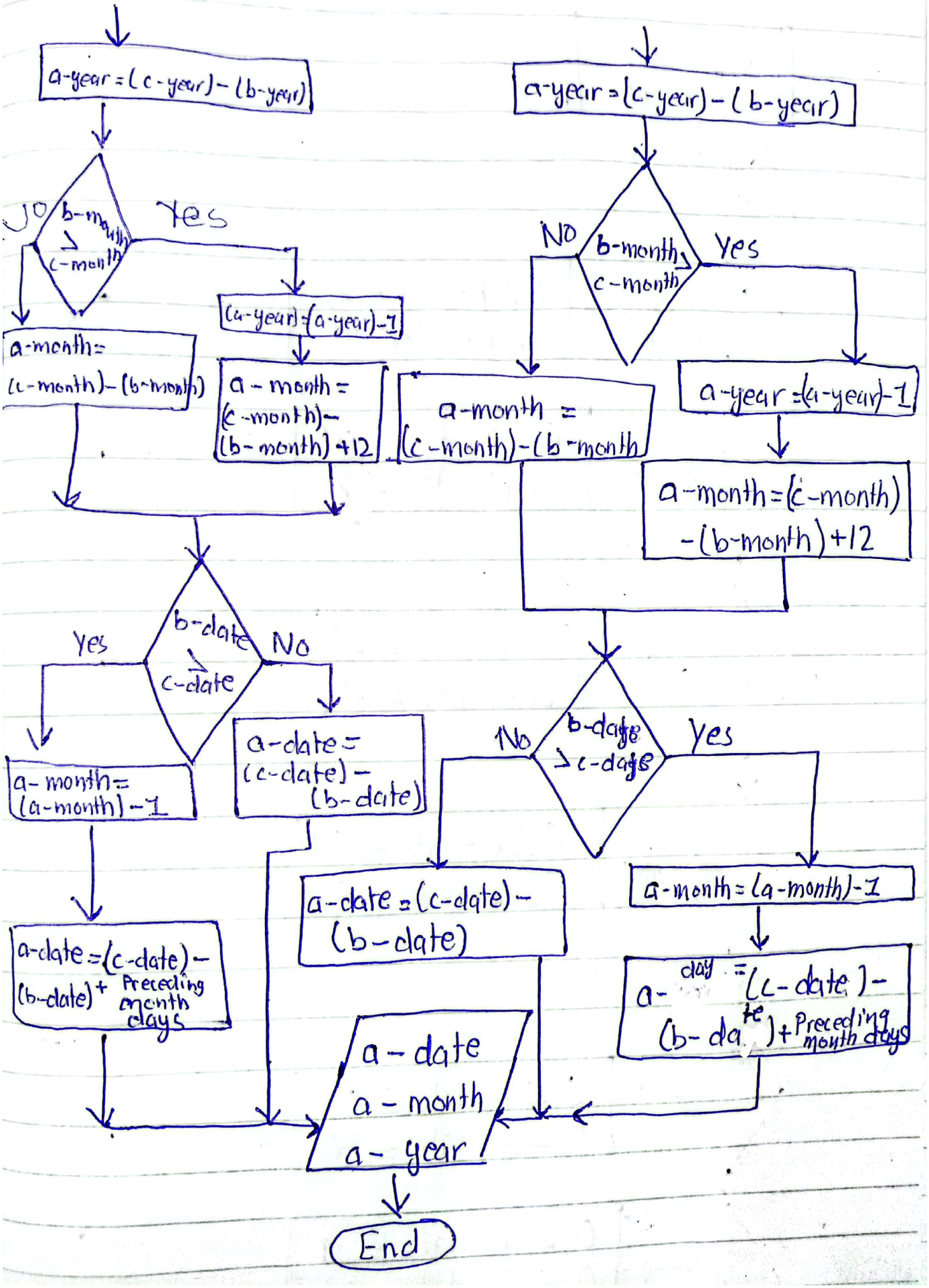
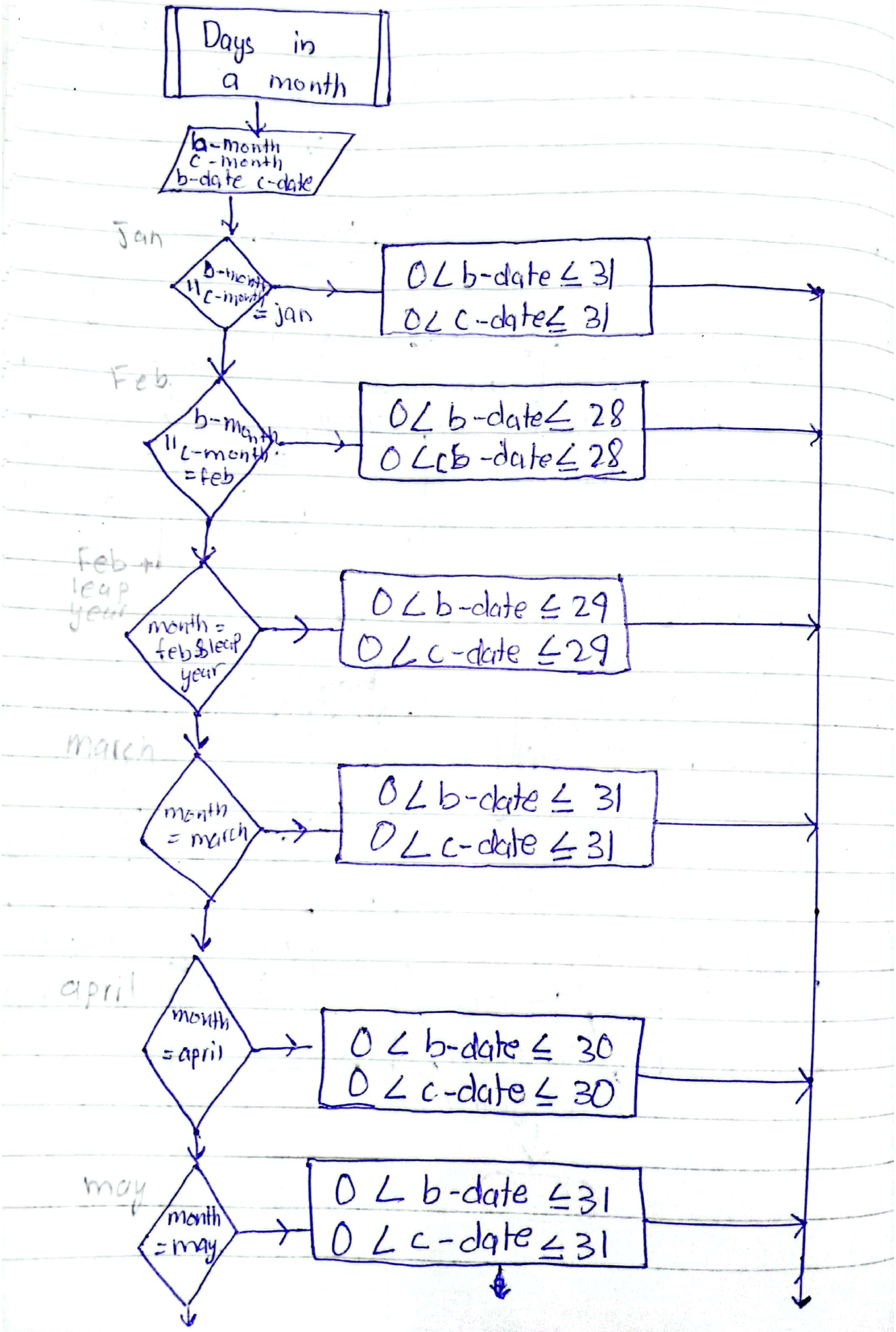
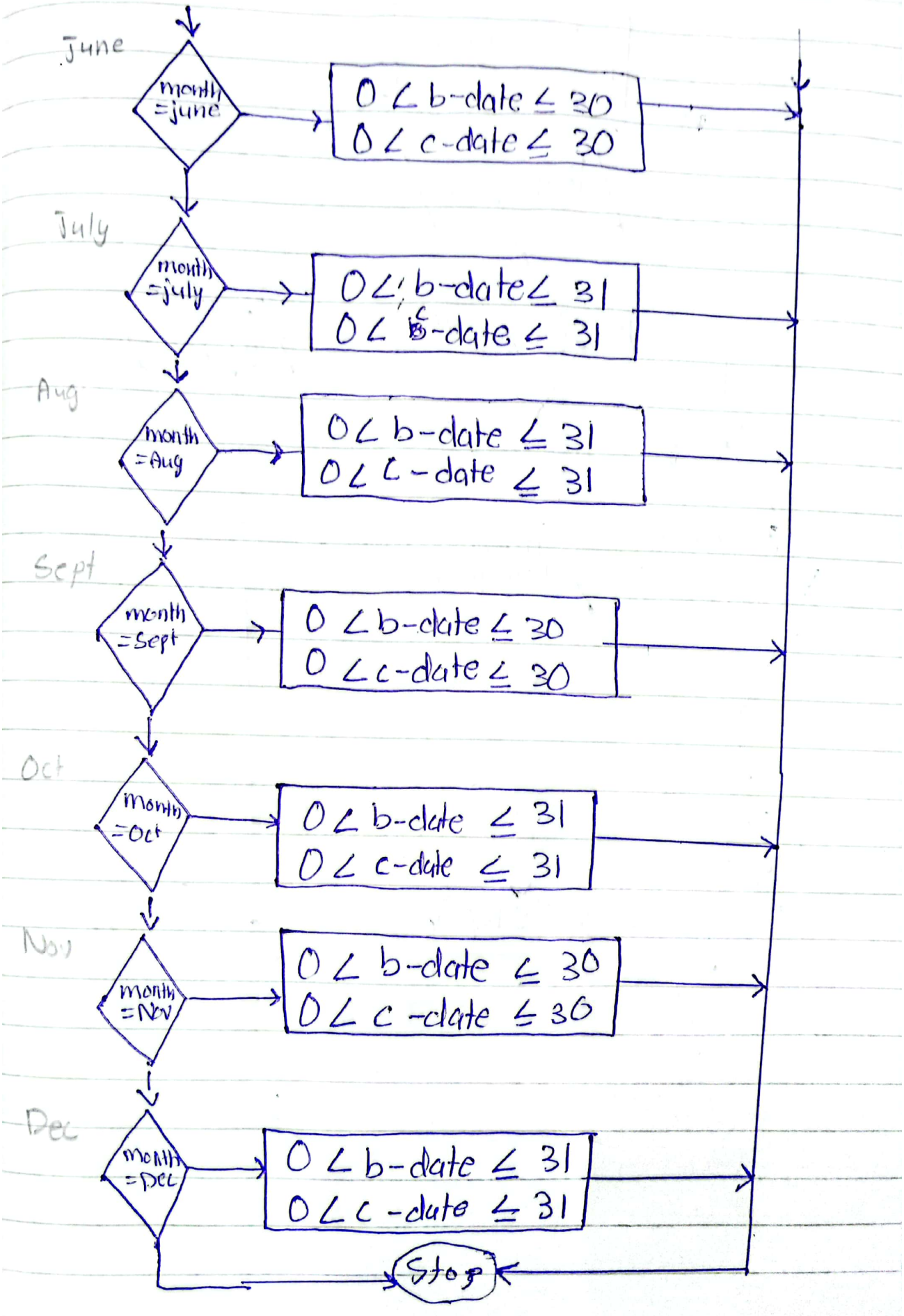
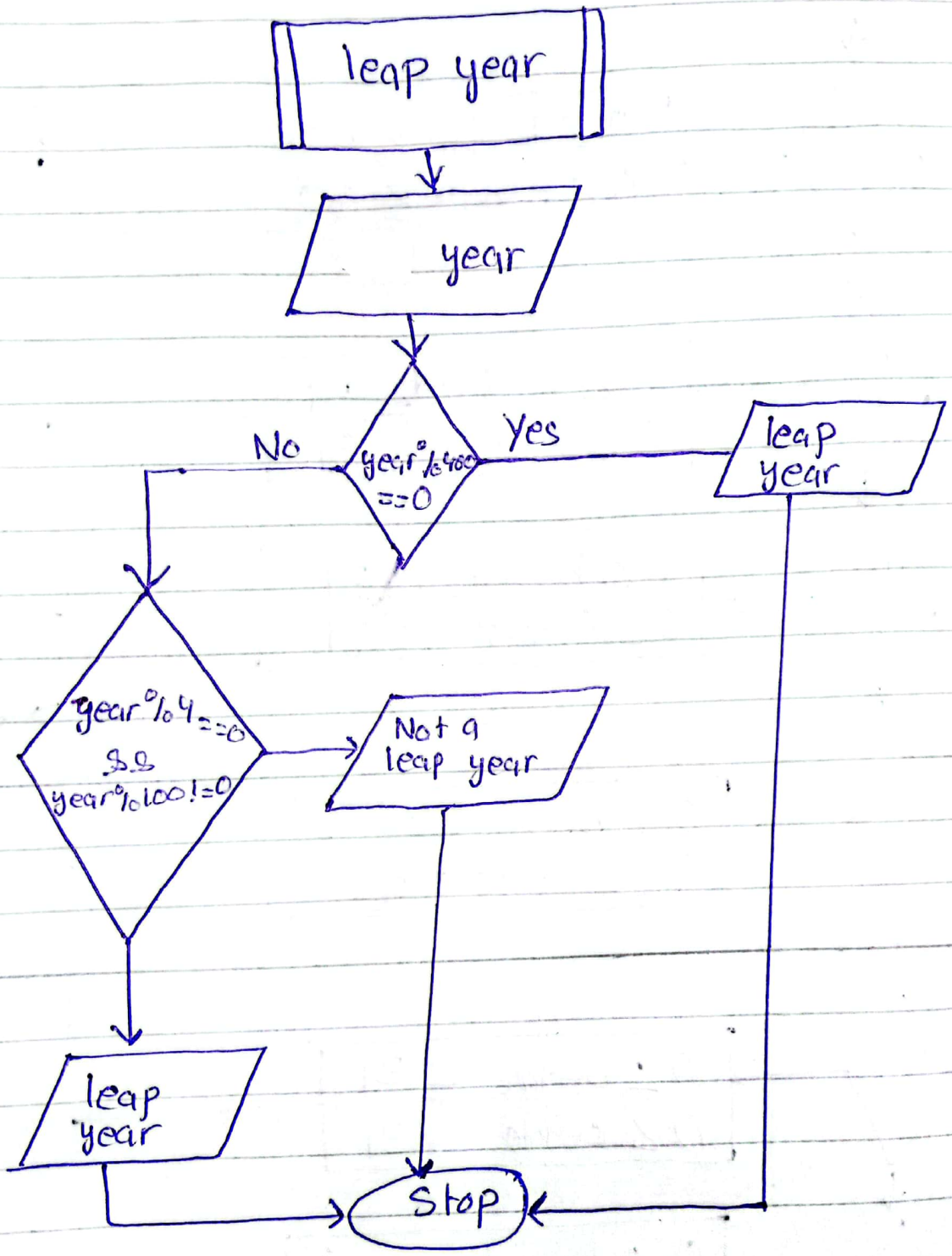
Problem 9: Exact Age











Pseudocode:

- Start
- // Input
  Enter b-year, b-month, b-date, c-year, c-month, c-date.

- check whether b-date and c-date are valid for the month

- //check whether it's leap year.
  if (leap year)
  in feb, 0 < date ≤ 29
  else
  0 < date ≤ 28

- //calculate age year
  a-year = (c-year) - (b-year)

- if (b_month > c-month)
  a-year -= (a-year) - 1
  a-month = (c-month) - (b-month) + 12
  else
  a-month = (c-month) - (b-month)

- if(b-date) > c-date)
  a-month -= (a-month) - 1
  a-date = (c-date) - (b-date) + (Preceding month days)
  else,
  a-date = (c-date) - (b-date)

- //Display age
  Print, "a-date, a-month, a-year".

- End.

IPO:

Input	Processing	Module Preference	Output
b-date b-month b-year c-date c-month c-year	• Input data • Calculate age-year • calculate whether leap year or not. • calculate age month • calculate age date • Display (D, M, Y) • End.	Read Calc Calc Calc Calc Print	(D, M, Y)