o code

, cm
30
60
dbm
0
60
s = d
al.c.
ays /
Days
Days
ays
Da

start

enter;
bd, bm, by, cd, cm
, cg

$dbm = bm * 30$

$dby = by * 360$

$total.b.days = dbm + dby + bd$

$dcm = cm * 30$

$dcy = by * 360$

$total.c.days = dcm + dcy + cd$

$t\text{-}Days = total.c.days - total.b.days$

$Years = t\text{-}Days / 360$

$t\text{-}Days = t\text{-}Days \% 360$

$months = t\text{-}Days / 30$

$Days = t\text{-}Days \% 30$

Print Years, months, Days
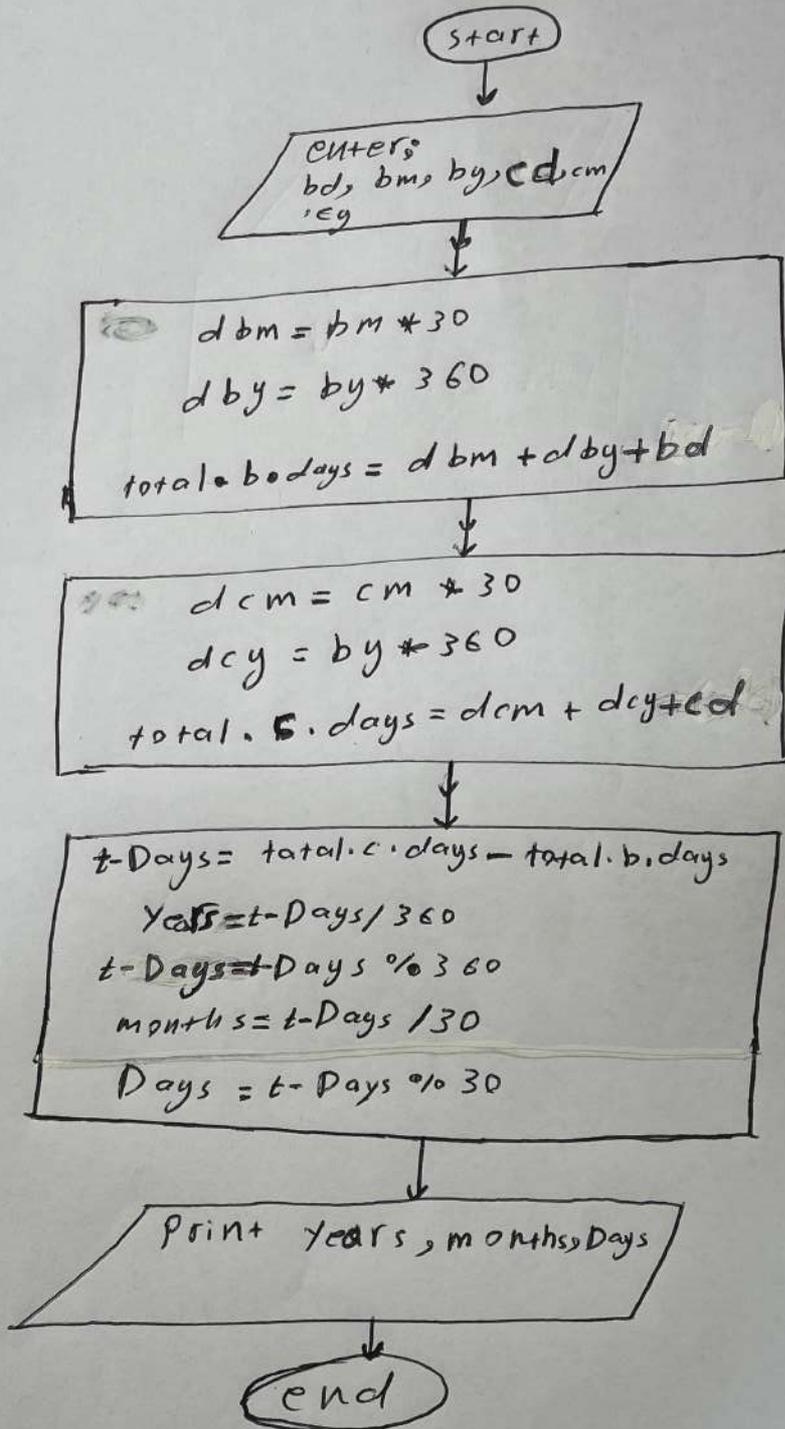
end

Pseudocode

5) Page 131:

Start

   Enter bd, bm, by, cd, cm, cy

   Calculate $dbm = bm * 30$

           $dby = by * 360$

           $total.b.days = dbm + dby + bd$

           $dcm = cm * 30$

           $dcy = by * 360$

           $total.c.days = dcm + dcy + cd$

           $t-Days = total.c.days - total.b.days$

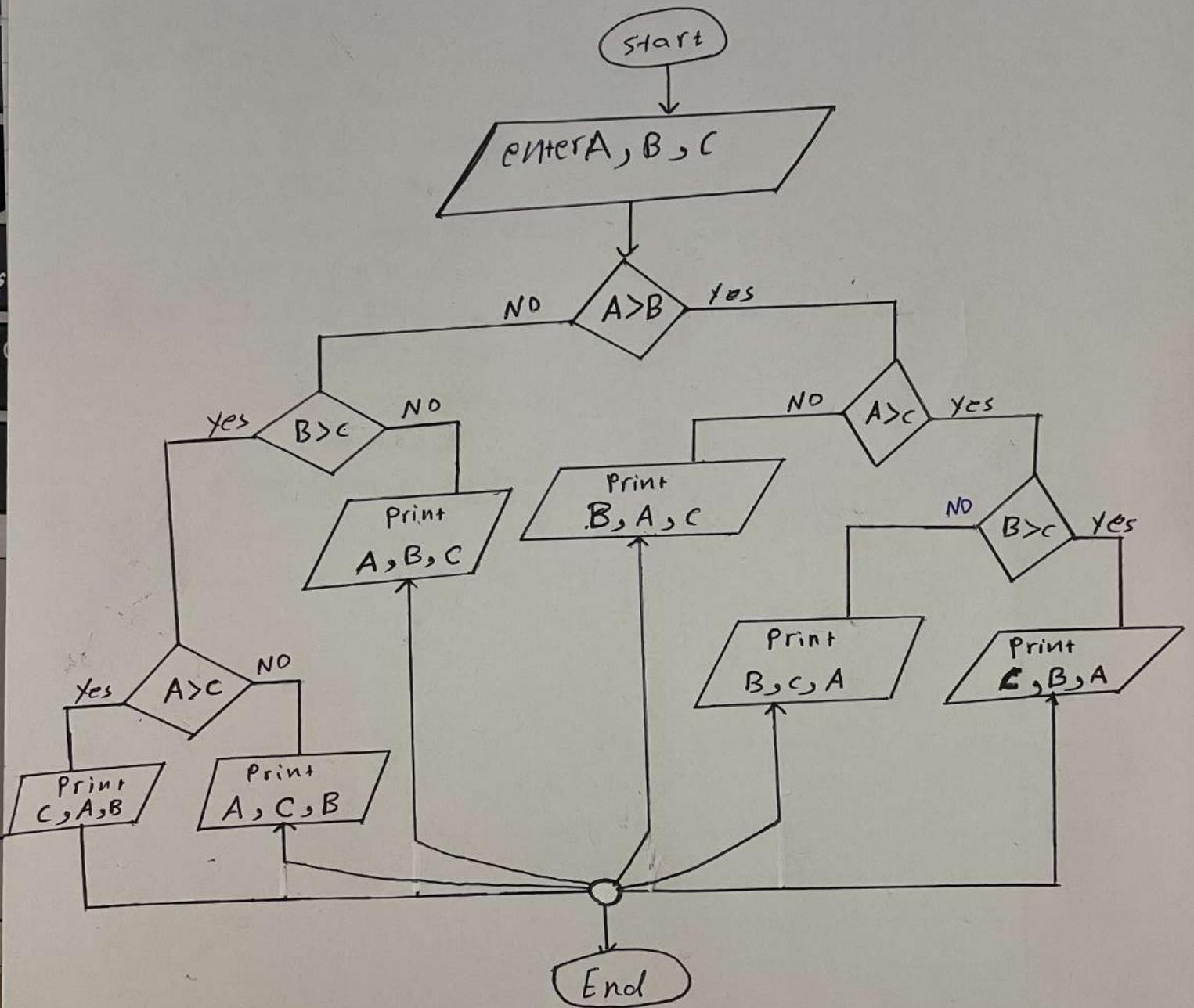 $Years = t-Days / 360$

           $t-Days = t-Days \% 360$

           $months = t-Days / 30$

           $Days = t-Days \% 30$

   Print Years / months / Days

END

6, Page 131:

```
                    ┌─────────┐
                    │  Start  │
                    └────┬────┘
                         │
                         ▼
              ┌────────────────────┐
             /  enterA , B , C    /
            └──────────┬──────────┘
                       │
                       ▼
          NO      ◇ A>B ◇      yes
       ┌──────────         ──────────┐
       │                              │
       ▼                              ▼
  yes ◇ B>C ◇ NO            NO ◇ A>C ◇ yes
  ┌────       ────┐       ┌───        ──────┐
  │                │       │                 │
  │                ▼       ▼                 ▼
  │          ┌─────────┐ ┌──────────┐  NO ◇ B>C ◇ yes
  │         / Print   / / Print    / ┌───        ───┐
  │        / A,B,C   / / .B,A,C   /  │               │
  │       └────┬────┘ └────┬─────┘   ▼               ▼
  │            │           │    ┌─────────┐    ┌─────────┐
  ▼            │           │   / Print   /    / Print   /
 yes ◇ A>C ◇ NO           │  / B,C,A   /    / C,B,A   /
 ┌───      ───┐           │ └────┬────┘     └────┬────┘
 │            │            │      │               │
 ▼            ▼            │      │               │
┌──────┐ ┌─────────┐       │      │               │
/Print / / Print  /        │      │               │
/C,A,B / / A,C,B  /         │      │               │
└──┬───┘ └────┬───┘         │      │               │
   │          │             │      │               │
   └──────────┴──────○──────┴──────┴───────────────┘
                     │
                     ▼
                ┌─────────┐
                │   End   │
                └─────────┘
```

Pseudocode

6) page 131:

```
Start
    Enter numbers A, B, C
    If A > B Then
        If A > c Then
            If B > c Then
            Print C, B, A
            Else Print B, C, A ,
        Else Print B, A, c
    Else If B > c Then
            If A > c Then
            Print C, A, B
            Else A, C, B
        Else Print A, B, C
End
```
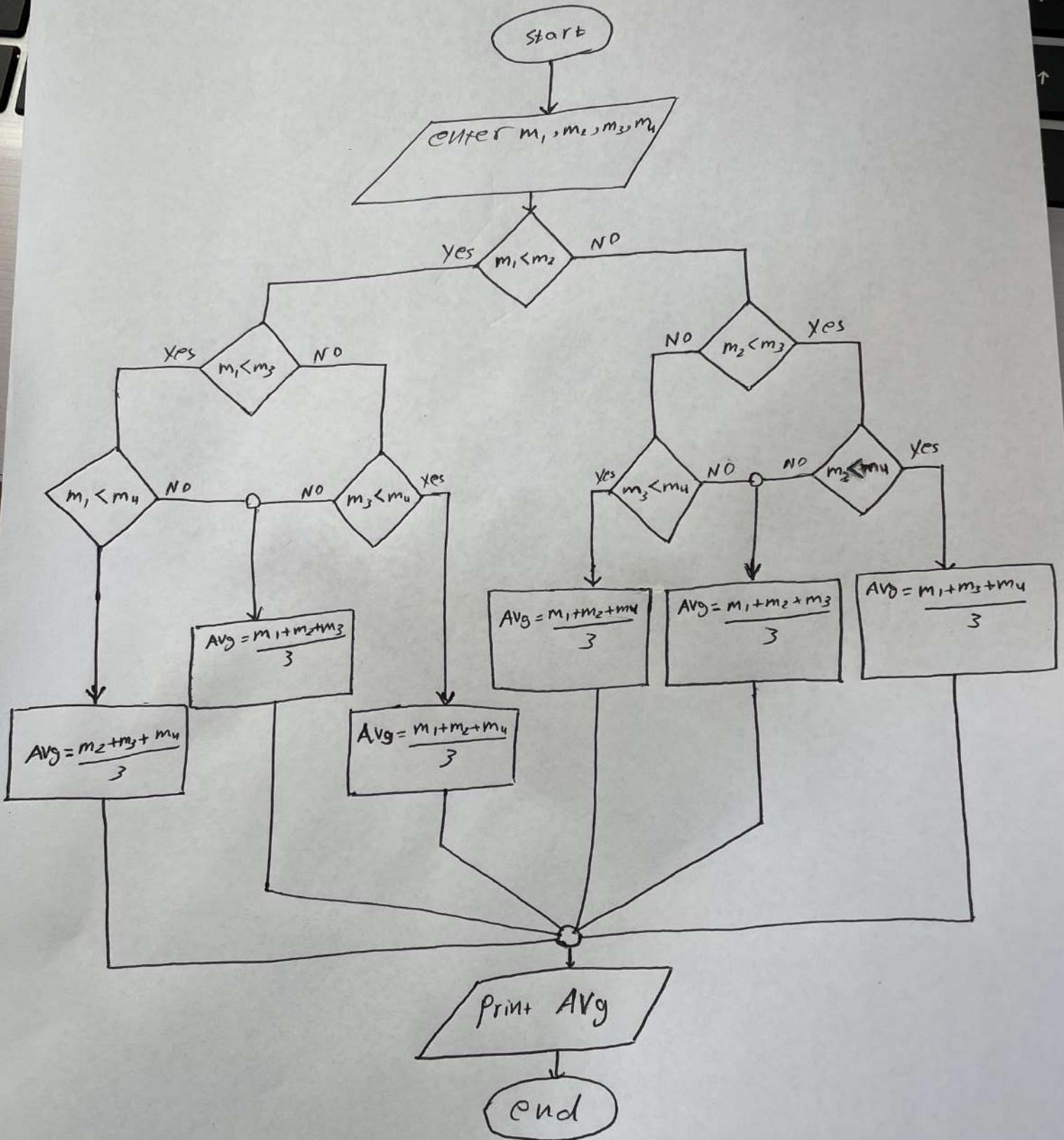
7) pag 131

```
        ( Start )
            |
            v
   / enter m₁, m₂, m₃, m₄ /
            |
            v
   yes   < m₁ < m₂ >   NO
   /                      \
  v                        v
< m₁ < m₃ >            < m₂ < m₃ >
 yes      NO          NO        yes
 /          \          /          \
v            v        v            v
< m₁ < m₄ >  < m₃ < m₄ >   < m₃ < m₄ >   < m₂ < m₄ >
 NO    NO      yes          yes    NO   NO    yes
```

$$Avg = \frac{m_1 + m_2 + m_3}{3}$$

$$Avg = \frac{m_1 + m_2 + m_4}{3}$$

$$Avg = \frac{m_2 + m_3 + m_4}{3}$$

$$Avg = \frac{m_1 + m_2 + m_4}{3}$$

$$Avg = \frac{m_1 + m_2 + m_3}{3}$$

$$Avg = \frac{m_1 + m_3 + m_4}{3}$$

/ Print Avg /

(end)

Pseudocode

7) page 131

Start

    Enter m_1, m_2, m_3, m_4

    If $m_1 < m_2$ Then

        If $m_1 < m_3$ Then

            If $m_1 < m_4$ Then

            Calculate $Avg = (m_2 + m_3 + m_4)/3$

            Else Calculate $Avg = (m_1 + m_2 + m_3)/3$

        Else If $m_3 < m_4$ Then

            calculate $Avg = (m_1 + m_2 + m_4)/3$

            Else calculate $Avg = (m_1 + m_2 + m_3)/3$

    Else If $m_2 < m_3$ Then

        If $m_2 < m_4$ Then

        calculate $Avg = (m_1 + m_3 + m_4)/3$
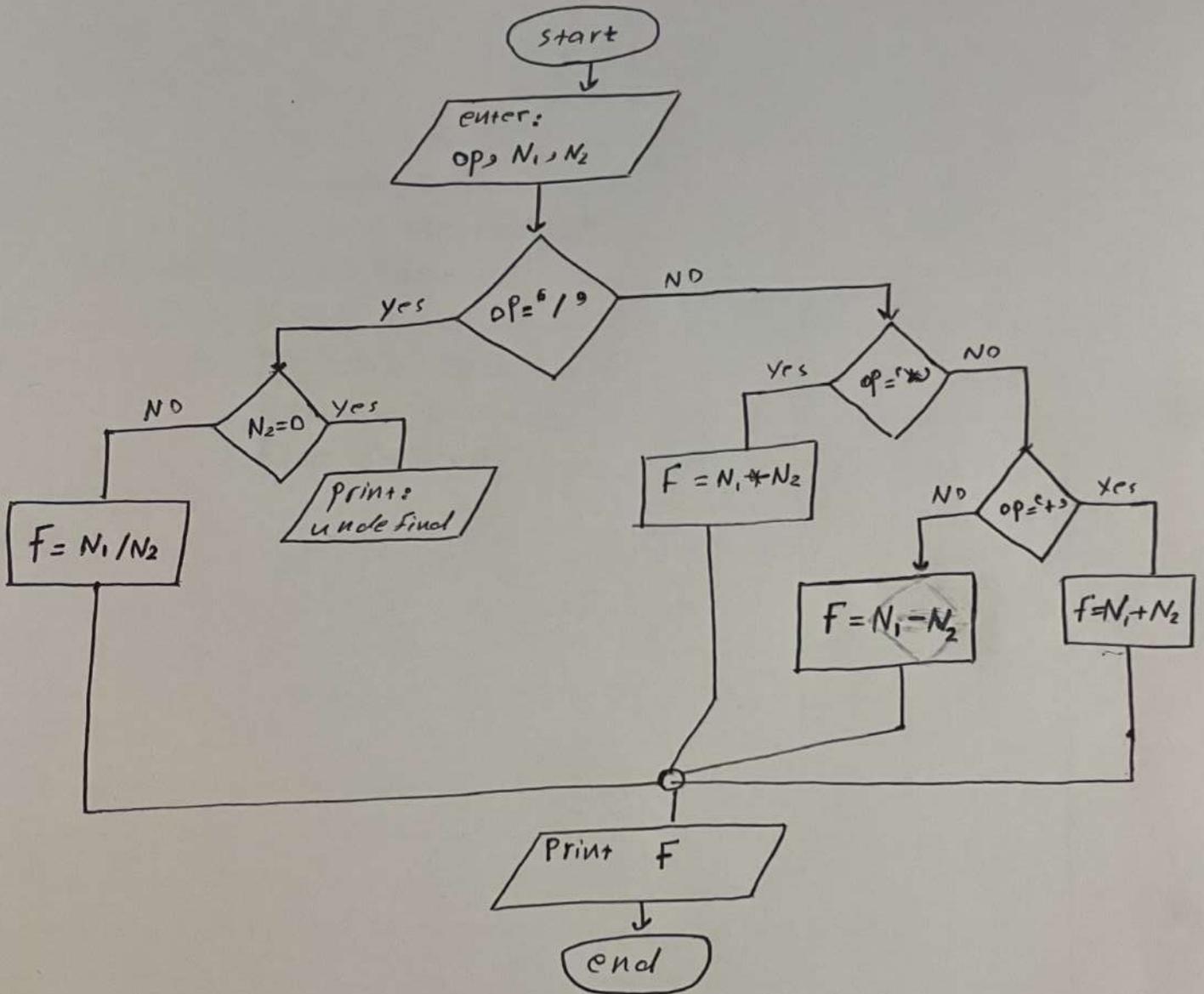
        Else calutate $Avg = (m_1 + m_2 + m_3)/3$

    Else If $m_3 < m_4$ Then

        calculate $Avg = (m_1 + m_2 + m_4)/3$

        Else calculate $Avg = (m_1 + m_2 + m_3)/3$

End

9) Page 132

```
                    ( start )
                        |
                        v
                 / enter:        /
                / op, N₁, N₂   /
                        |
                        v
      yes           / op="/"? \         NO
   +------------<   \         / >------------------+
   |                  \       /                    |
   |                   \     /                      v
   v                                        yes / op="*" \  NO
 / N₂=0 \ yes                             +-----<  \       / >----+
 \      /-----+                           |         \     /       |
  \    /      |                           v                       v
   | NO       v                    +-----------+         NO / op="+" \ yes
   |        / print:  /            | F = N₁*N₂ |         +---<  \       / >---+
   |       / undefind/             +-----------+         |       \     /      |
   v                                      |              v                    |
+-----------+                             |      +-----------+        +-----------+
| F= N₁/N₂  |                             |      | F = N₁-N₂ |        | f=N₁+N₂   |
+-----------+                             |      +-----------+        +-----------+
   |                                      |              |                    |
   |                                      v              |                    |
   +--------------------------------->( O )<-------------+--------------------+
                                          |
                                          v
                                   / Print  F /
                                          |
                                          v
                                      ( end )
```

Pseudocode.

9) Page 131

Start

   Enter op, N_1, N_2

   If OP = '/' Then

      If N_2 = 0 Then

      Print undefined

      Else calculate $F = N_1 / N_2$

   Else If OP = '*' Then

      calculate $F = N_1 * N_2$

      Else If OP = '+' Then

         calculate $F = N_1 + N_2$

         Else $F = N_1 - N_2$

   Print F

END