1) a) Find the average of three numbers a,b & c.

→

```
      ( Start )
         │
         ▼
     / Read    /
    / a, b, c /
         │
         ▼
   ┌──────────┐
   │ Average =│
   │  a+b+c   │
   │  ─────   │
   │    3     │
   └──────────┘
         │
         ▼
    / Print   /
   / Average /
         │
         ▼
      ( End )
```
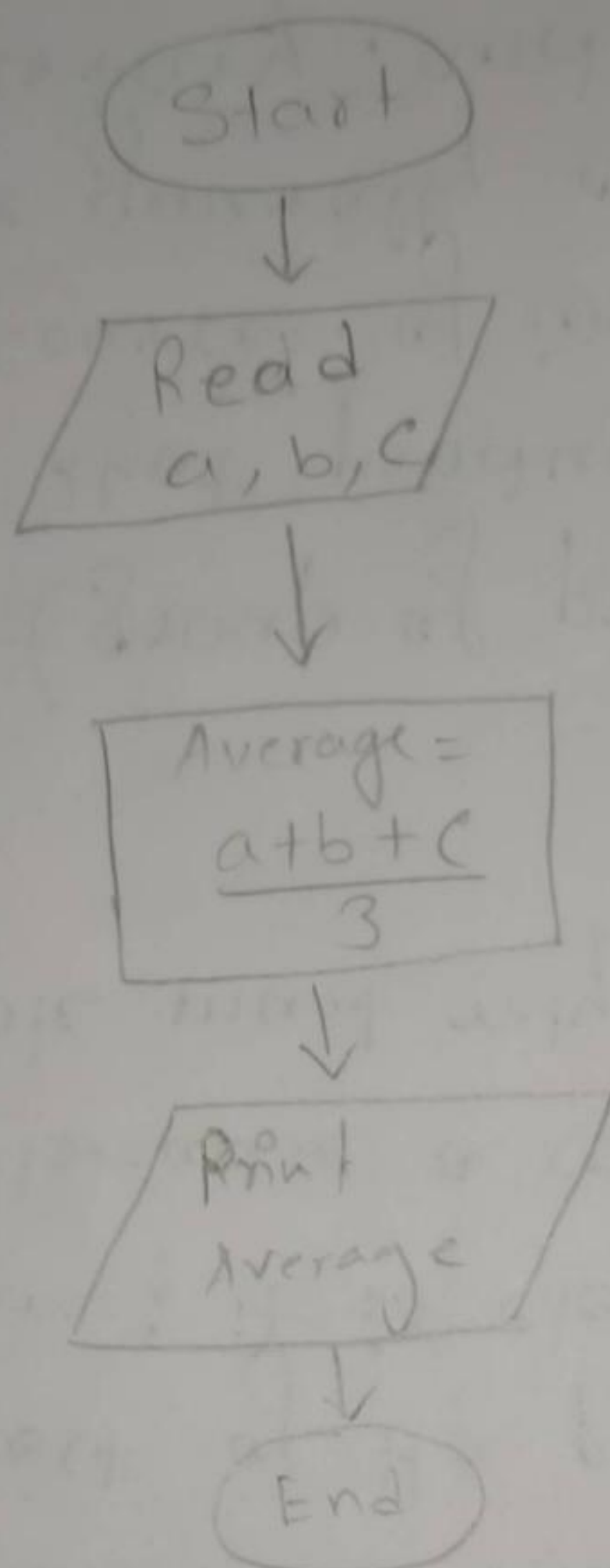
b) Find the area of a rectangle whose length and breadth is given.

→

```
    ( Start )
       │
       ▼
   / Read   /
  / Length /
       │
       ▼
   / Read    /
  / Breadth /
       │
       ▼
  ┌────────────────────────┐
  │ Area = length × breadth│
  └────────────────────────┘
       │
       ▼
   / Print /
  / Area  /
```
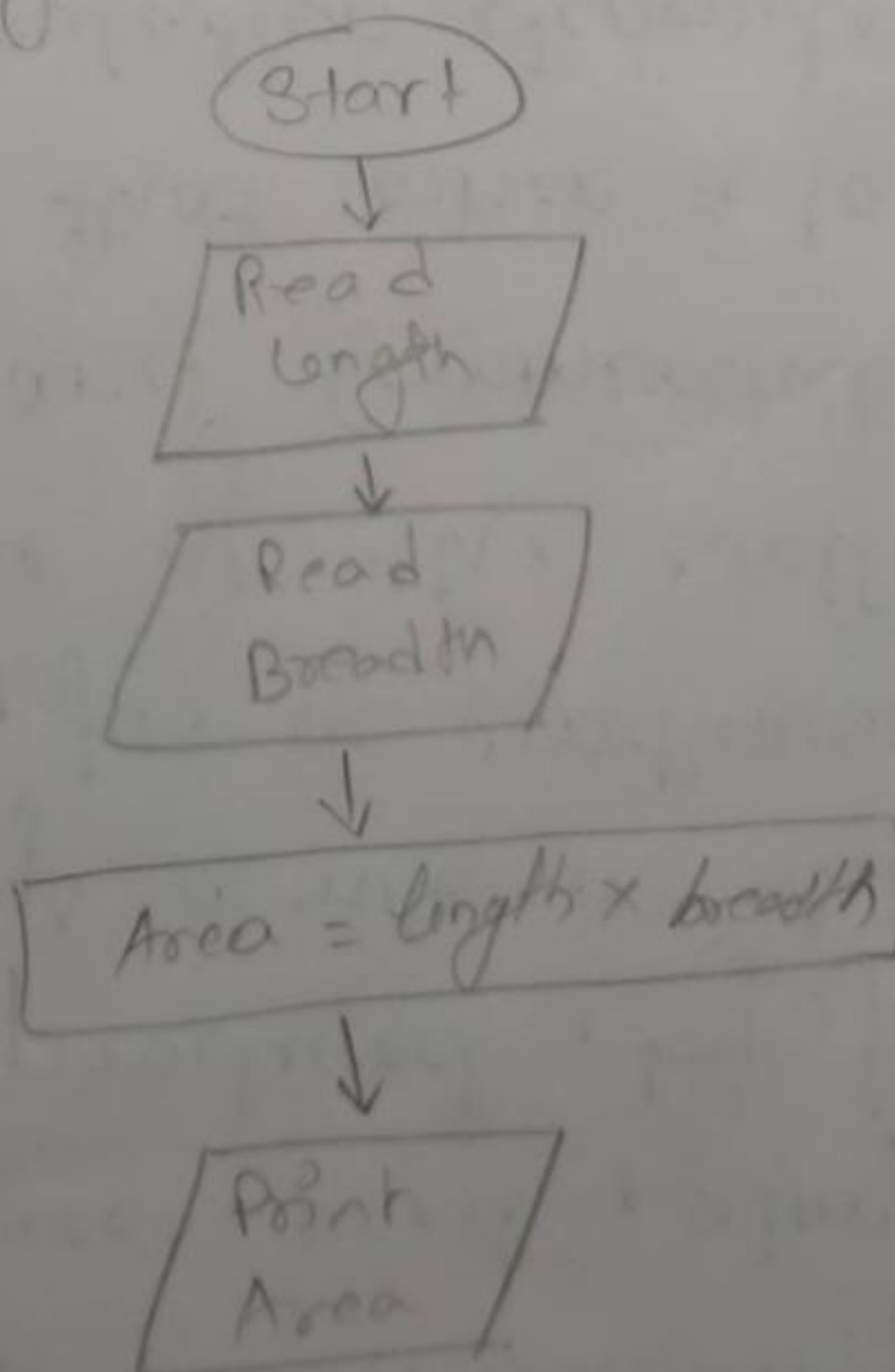
② (a) Read age of a person. If age less than 60 then Print "Not a senior citizen" else print "Senior Citizen"

→

```
        ( Start )
            |
            v
      / Read age /
            |
            v
         / IS \        True
        < age > 60 >--------+
         \    /             |
     false   |              |
        |    |              |
        |                   |
        v                   v
  / Print      /      / Print        /
  / "Not a senior/    / Senior Citizen/
  / citizen    /      /              /
        |                   |
        +------> ( END ) <---+
```
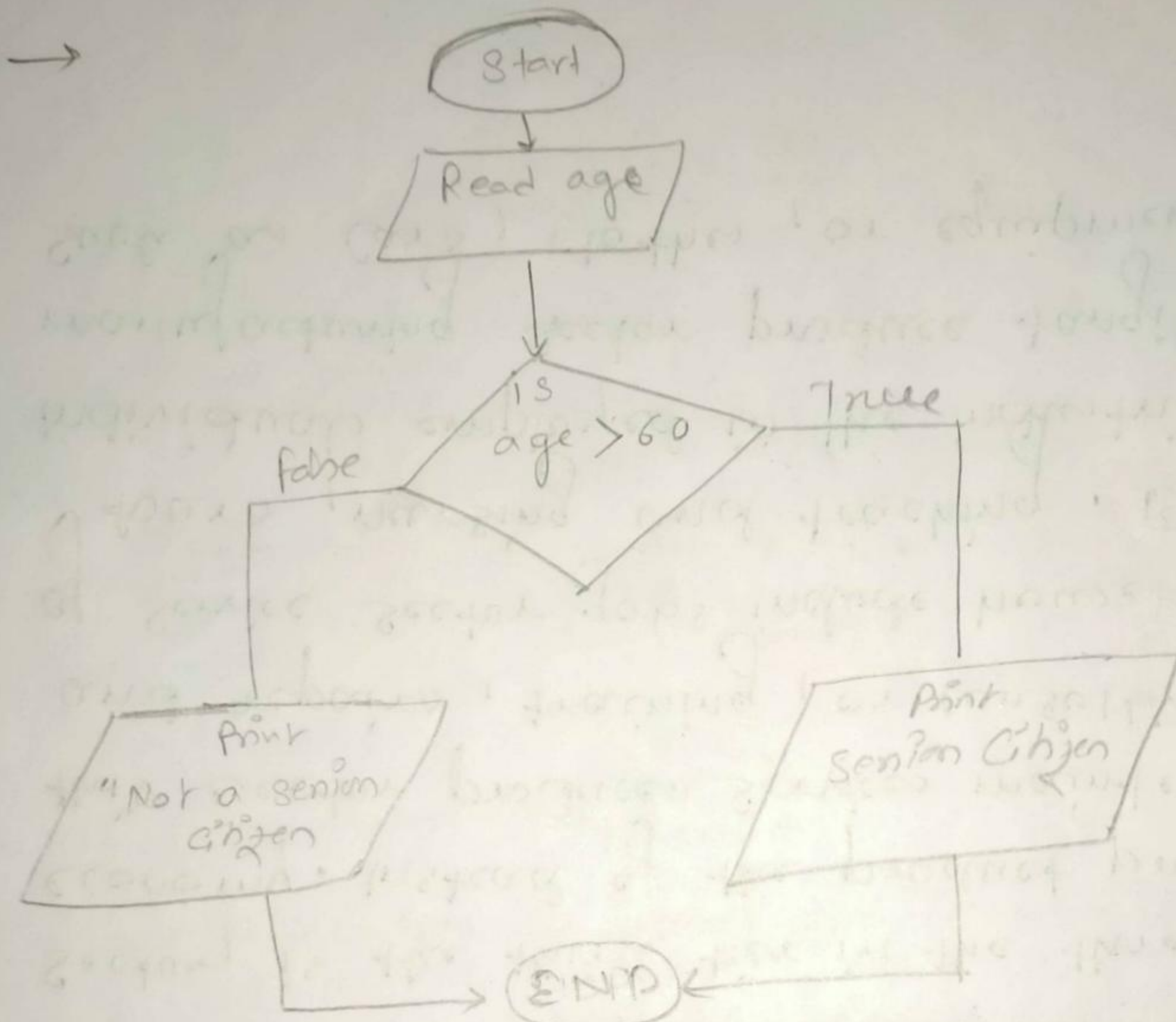
(b) Read two numbers and print maximum between them.

→

```
        ( start )
            |
            v
       / Read   /
       / n1, n2 /
            |
            v
    True  / IS  \   false
    +----< n1>n2 >----+
    |      \    /      |
    |                  |
    v                  v
/ Print /          / Print /
/  n1   /          /  n2   /
    |                  |
    +----> ( END ) <---+
```
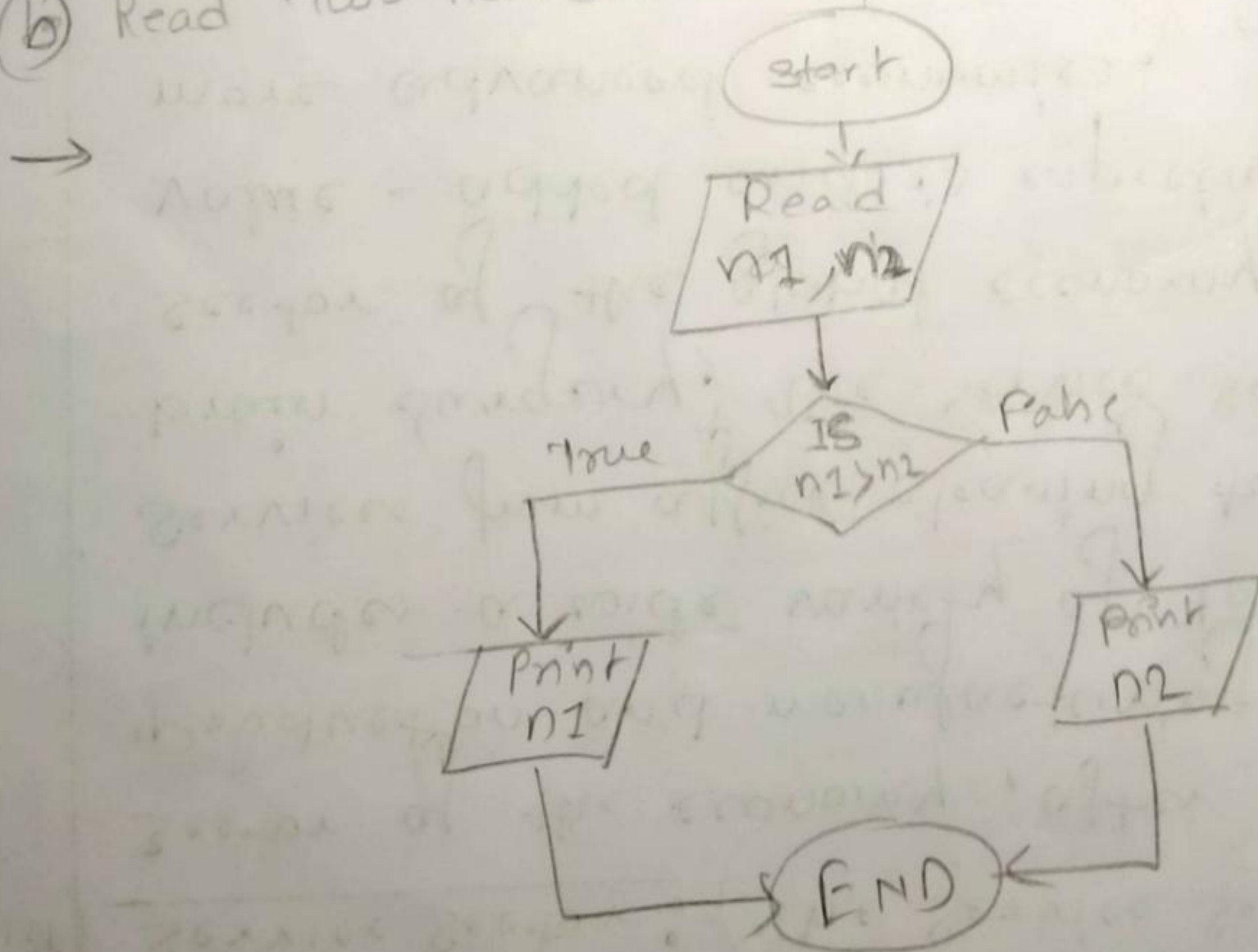
(c) Read 3 numbers and Print smallest among 3 nos.

→

```
            ┌─────────┐
            │  Start  │
            └────┬────┘
                 ↓
            ╱─────────╲
           ╱   Read    ╲
          ╱   a, b, c   ╲
           ╲           ╱
            ╲─────────╱
                 ↓
      NO    ◇─────────◇    Yes
     ←──────┤   if    ├──────→
            │  a < b  │
            ◇─────────◇

    ◇─────────◇            ◇─────────◇
    │   if    │    NO   N  │   if    │  Yes
    │  b < c  ├──→  ←──────┤  a < c  ├──────→
    ◇─────────◇            ◇─────────◇

  ╱────────╲      ╱────────╲         ╱────────╲
 ╱  Print   ╲    ╱  Print   ╲       ╱  Print   ╲
╱     b      ╲  ╱     C      ╲     ╱     A      ╲
 ╲──────────╱    ╲──────────╱       ╲──────────╱

              ┌─────────┐
              │   END   │
              └─────────┘
```
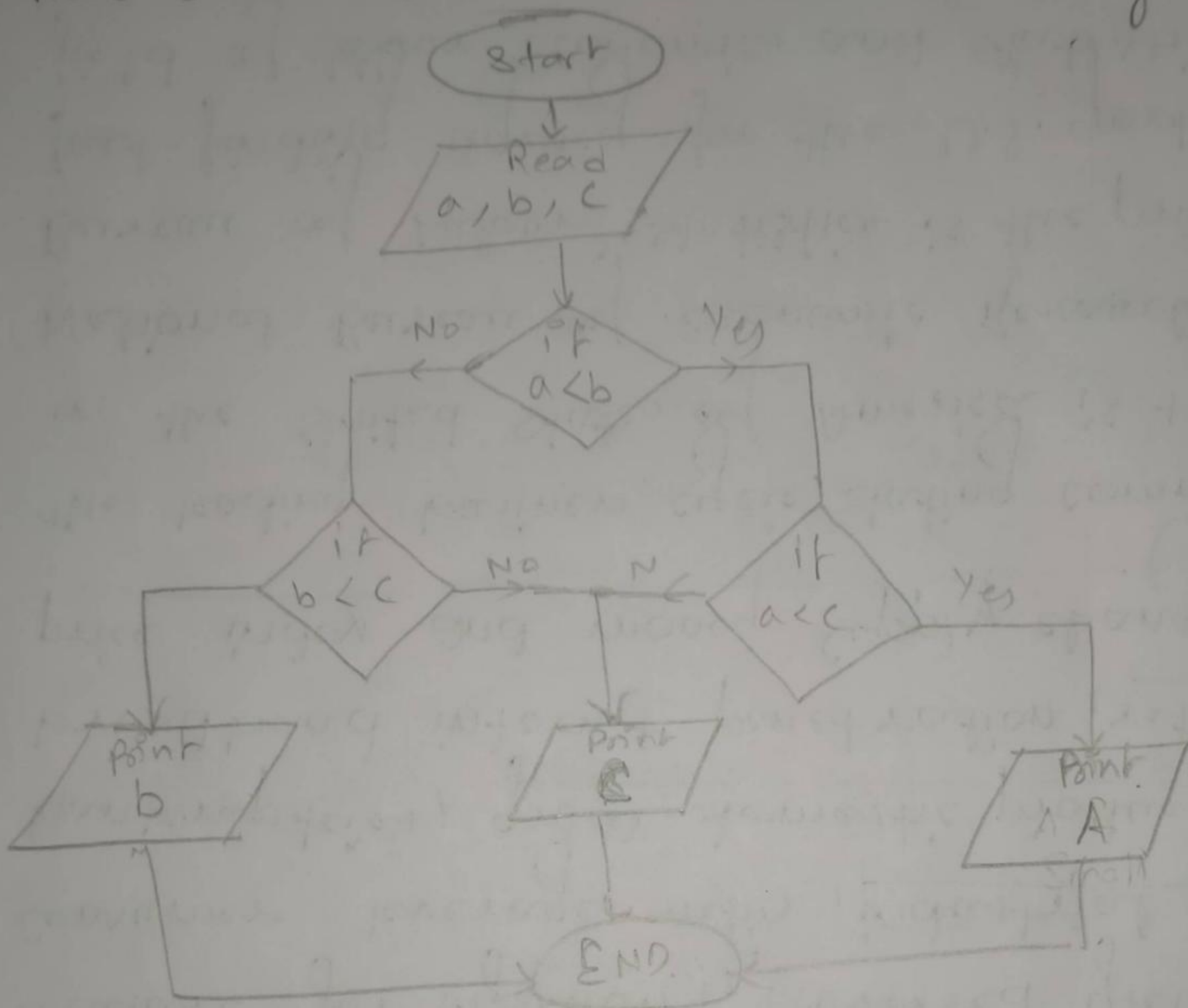
(d) Read a number in inches and convert it to meters

→

```
            ┌─────────┐
            │  Start  │
            └────┬────┘
                 ↓
        ╱──────────────────╲
       ╱       Read          ╲
      ╱    num in inches       ╲
       ╲                      ╱
        ╲────────────────────╱
                 ↓
     ┌────────────────────────┐
     │  meter = num × 0.0254   │
     └────────────┬───────────┘
                  ↓
        ╱──────────────╲
       ╱     Print       ╲
      ╱      meter         ╲
       ╲                  ╱
        ╲────────────────╱
                 ↓
            ┌─────────┐
            │   END   │
            └─────────┘
```

(e) Print 2,4,6,8,10

```
        ( Start )
            |
            v
      +-----------+
      |    Set    |
      |   a = 2   |
      +-----------+
            |
            v
     /----------------/
    / Cnsole average /<------------+
   /----------------/              |
            |                      |
            v                      |
      +-----------+                |
      |  a = a+2  |                |
      +-----------+                |
            |                      |
            v                      |
          / is \       No          |
         <  a>=10  >----------------+
          \     /
            |
           Yes
            |
            v
         ( Stop )
```