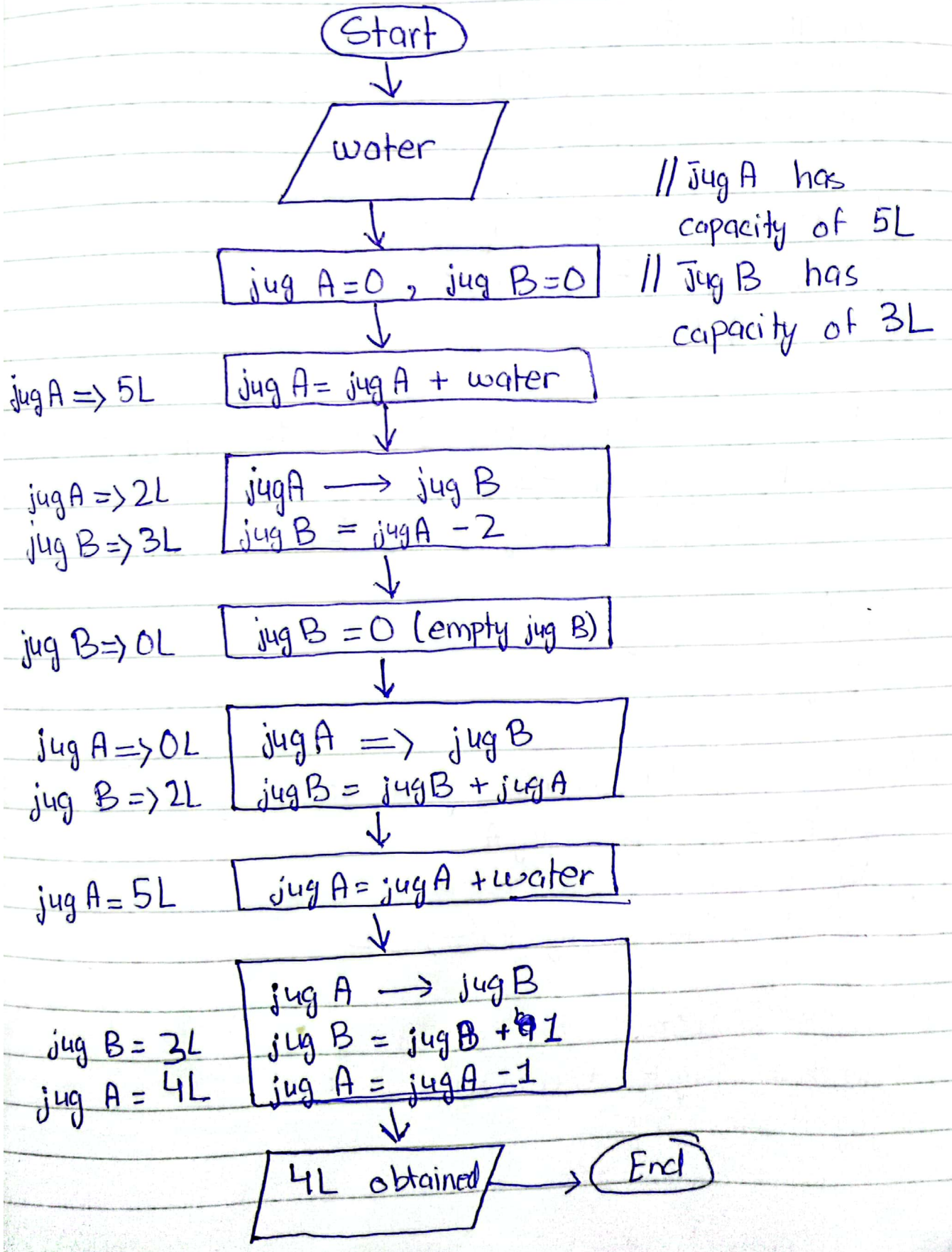
Problem 12: Defuse the bomb.



Pseudo code

- Start
- Input water.
  // initialisation , jug A => 5L , jug B => 3L
  jug A = 0 , jug B = 0

- // Add water to jug A
  jug A = jug A + water.
  // jug A => 5L

- // Transfer water from jug A to jug B.
  jug B = jug A - 2
  // jug A => 2L , jug B => 3L

- // Empty jug B
  jug B = 0

- // Transfer water from jug A to jug B
  jug B = jug B + jug A
  jug A = 0
  // jug A => 0L , jug B => 2L

- // Input water to jug A
  jug A = jug A + water
  // jug A => 5L

// jug A water transfer to jug B

jug A = jug A - 1

jug B = jug B + 1

// jug A = 4L , jug B = 3L

- Print "4L obtained".
- End

IPO

Input	Processing	Module Preference	Output
Water jug A jug B	• Input water • Calculate & determine method to obtain 4L	Read Calc	4L
	• Print "4L Obtained." • End.	Print	