

Problem 12e

IPO Chart.

Input	Processing	Output
5L jug, 3L jug To defuse a bomb	<p>Start -</p> <p>Fill the 3L jug with water pour this 3L jug into 5L -</p> <p>Again fill the 3L jug with water pour this 3L jug into 5L but 1L water remains in 3L jug because the capacity of 5L jug was full.</p> <p>Empty 5L jug and and pour 1L water from 3L jug into 5L jug</p> <p>Again fill 3L jug and pour into 5L jug</p> <p>Note in 5L jug is we have 4 litres water which is required.</p>	4L water in 5L jug.

Step 1: Start.

Step 2: Read and declare variables 3L, 5L jug.

Step 3: Fill the 3L jug ~~into~~ with water and pour this 3L jug into 5L jug.

Step 4: Again fill the 3L jug with water - pour this 3L jug

into 5L jug but 1L water remains in 3L jug.

Step 5: Empty 5L jug and pour 1L water from 3L to 5L.

Step 6: Again fill 3L jug and pour into 5L jug.

Step 7: 4L water present in 5L jug.

Step 8: End.

Flowchart

