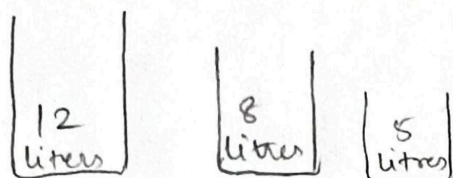3. solve waterjug problem using the following Input and output

Solution

Given : (12,0,0)

Goal state : (6,6,0)

① → | 4 L | | 8 L | | 0L | → pour from 12 into 8L

② → | 4L | | 3L | | 5L | → pour from 8 into 5L

③ → | 9L | | 3L | | 0L | → pour from 5 into 12L

④ → | 9L | | 0L | | 3L | → pour from 8 into 5L

⑤ → | 1L | | 8L | | 3L | → pour from 12 into 8L

⑥ → | 1L | | 6L | | 5L | → pour from 8 into 5L

⑦ → | 6L | | 6L | | 0L | → pour from 5 into 12L

The final solution is (6,6,0)