

Problem 12: Die Hard 3: Defuse the bomb... Quick!

IPO

Input	Process	Output
Bottle 1 = 5 liters Bottle 2 = 3 liters	<ol style="list-style-type: none">1. Fill the bottle 1 and pour bottle 1 (3 liters) in bottle 2 (5 liters)2. Fill the bottle 1 and pour bottle 1 (3 liters) in bottle 2 (5 liters)3. A liter of water will will remain in the bottle 14. Empty the bottle 25. Pour the remaining water (1 liter) of bottle 3 in bottle 26. Fill the bottle 1 and pour bottle 1 (3 liters) in bottle 2 (5 liters)7. Now the the bottle 2 has exactly 4 liters of water	4 liters of water from a 3 and 5 liters bottle

PSEUDOCODE

Start

// Input

Bottle 1 = 5 liters

Bottle 2 = 3 liters

// Process

1. Fill the bottle 1 and pour bottle 1 (3 liters) in bottle 2 (5 liters)
2. Fill the bottle 1 and pour bottle 1 (3 liters) in bottle 2 (5 liters)
3. A liter of water will will remain in the bottle 1
4. Empty the bottle 2
5. Pour the remaining water (1 liter) of bottle 3 in bottle 2
6. Fill the bottle 1 and pour bottle 1 (3 liters) in bottle 2 (5 liters)
7. Now the the bottle 2 has exactly 4 liters of water

// Output

Print "Hurray! You have Successfully defused the bomb by solving the water problem "

End