

Program:

```
def pour(jug1, jug2):  
    max1, max2, fill = 3, 4, 2 #Change maximum capacity and final capacity  
    print("%d\t%d" % (jug1, jug2))  
    if jug2 is fill:  
        return  
    elif jug2 is max2:  
        pour(0, jug1)  
    elif jug1 != 0 and jug2 is 0:  
        pour(0, jug1)  
    elif jug1 is fill:  
        pour(jug1, 0)  
    elif jug1 < max1:  
        pour(max1, jug2)  
    elif jug1 < (max2-jug2):  
        pour(0, (jug1+jug2))  
    else:  
        pour(jug1-(max2-jug2), (max2-jug2)+jug2)  
  
print("JUG1\tJUG2")  
pour(0, 0)
```

Output:

Waterjars

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Code

Draft Session (33m)

HDDCPURAM

```
elif jug2 is max2:
    pour(0, jug1)
elif jug1 != 0 and jug2 is 0:
    pour(0, jug1)
elif jug1 is full:
    pour(jug1, 0)
elif jug1 < max1:
    pour(max1, jug2)
elif jug1 < (max2-jug2):
    pour(0, (jug1+jug2))
else:
    pour(jug1-(max2-jug2), (max2-jug2)+jug2)

print("JUG1\tJUG2")
pour(0, 0)
```

JUG1	JUG2
0	0
3	0
0	3
3	3
2	4
0	2

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