

```
def pour(jug1, jug2):
    max1, max2, fill = 5, 7, 4
    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(3, 5)
```

```
Warning (from warnings module):
  File "C:/Users/USER/AppData/Local/Programs/Python/Python39/water jug problem in python.py", line 8
    elif jug1 != 0 and jug2 is 0:
SyntaxWarning: "is" with a literal. Did you mean "=="?
>>>
= RESTART: C:/Users/USER/AppData/Local/Programs/Python/Python39/water jug problem in python.py
JUG1      JUG2
3          5
5          5
3          7
0          3
5          3
1          7
0          1
5          1
0          6
5          6
4          7
0          4
>>>
```