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2 – 3	White a phogram to implement DFS Water Jug Problem
	def water jug dfs Cx y, z):
	def water-jug-dfs (x, y, z): Stack = [(0,0)]
	visited = set ()
	while stack:
	a, b = Stack.pop()
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	if Ca, b) in visited:
Park To	Continue
	visited.add cca,b)
	if a == z o h b == z:
	print Cf "Solution found: {a3, {b3")
	netunn True
	Stack append ((x,b))
	Stack.append (Ca, y))
	Stack-append (60,6)
	stack append ((a,0))
	Stuck. append (Ca-min Ca, y-b), b + min (a, y-b))
	Stack append ((a +min(b,x-a),b-min(b,x-a)))

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50x 31x 200	Parul® University	NAAC OH	

Pg. No.:...20..... Date :....

point C"No solution possible "
return False

water-jug-dfs C4, 3, 2)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS PS C:\Users\karan\OneDrive\Desktop\New folder\python\Practical 3> python water_jug.py solution found: 4, 2
PS C:\Users\karan\OneDrive\Desktop\New folder\python\Practical 3> ...