Exp: 5 Water Jug Using DFS dy Solve Water ing problem (capacity- Jug1. capacity Jug2, desired - quantity); Stecks[] Heck. append (10,0) While Stock: current - State = steck - pop() it current_state [0] == desired_quatity on Current - State [,]== desired - queentity; Refuer avoient. State. nent. Status = generate Nent States (cumat-State Capacity-jugs, Capacity-jug 2) Stack. entend (hent-status) netwoon i no solution found? des generale Neut & Leters (statu, copicity-jug), Capacity-jug2): nent - Alaskus = [] nent - States opposed [(corpecity-jug1, capacity jug2)] neut_states. append [(State[o], Corpocity-jug2)) nent-States. append ((0, State[i])) nent. Status oppend ((StateToT, 0)) : +144351 Pour - amount : = min (State [0], capacityjug 2, State [7] nent_State. append Clstate [0] - pour-amount, state [1]

nent_State. suppend (18tate [0] - pour-amount, state (1)
Pour-amount;

nent_State.append (State [0]+ pour-amount;

Nent_State.append (State [0]+ pour-amount, state [1]
Pour_amount;

gretuern nent_States Solution = Solve - water jug problem (4,3,2) Print (Solution: ", solution) La la Marie To Fithery - Burishes FAT state + houses fi Through Burker = Fift] Hall there 12 Laseres and the about the state of Copi- things it the plants I don't went in , pri-etisquit at Leite storens file ilspi-phone E January Williams 19th- History J. Large williams divin ((= pri-things), [e] state[] Lungs. whis I have 1750 12, 022 tong Go. While - Liver The program was sweensfully executed and output is Verified. the the second of the second o