	(Carticology		2,+68.	Exp. No :3
* Moule the state (* Y) or whisted * Moule the state (* Y) or whisted	the state of water in the stand If the amount of water in the said If either is found on Y= trough then If the state of y los been visited byten	3. Enqueue the initial state The both jugs are expended. BES loop: BES loop:	Matter Jug peroble of using python Code Algorithm: Sugart a set visited to keep track Step - Cascate a set visited to keep track	Air. DES - Depth Fisch Second [Water Jug]

step 5 - by the squeue is exhausted and the toeget been reshould be story to the sequence of the sequence of the sequence of the sequence of the solution is solution. The salution (a, b, toesget) The solution (b, o) The solution (b, o) The solution of the sequence of the solution of the solution. The solution (a, b, toesget) The solution of the sequence of the solution of the solution. The solution (a, b, toesget)	are for find of the form
--	--------------------------

continue path opposed (futo), usi) refutoj usij) =1	1000	jug 2 = int (input ("Enter the capacity of jug?" tought = int (input ("Enter the tought amount! point (" path from initial state to solution solution (jug!, jug 2 forget)
if u[o] = tronget or u[i] = tranget is solvable = true if u[o] := tranget: if u[i] ! = o	yeneo 8	Enter the openity of jug: 4 Enter the openity of jug: 3
path append ([a[o],o]). for i in wange (sI): point ("("path [i][o], "i", path [i][i]) break	alon in d	Path prominitial state to solution as (0,0) (1,3) (0,3) (3,3)
q. append ([u[i],b]) q. append ((u[i],a)] you ap in suary (maxe (a,b+1):	to god).	Lug (30) den treus als products Con 1 hours in hours at at person
2 = u[0] + ap d: u[i] = ap if (==0 and d >=0): q. append ([c) d]	of	shop the ser of der set
g append (Earos) g append (Eo 15) if not resolution not possible") if name into intain "Enton the capacity g ug 1 = into ("Enton the capacity g jug 1")		mosult Thus the jug perogram of