| Al Lab text-1 tramod Diy |
|--|
| AM: - you are gruen two gugs: a4-ta 13/11/2020 D |
| leter One and a 3-letre One. Moether hous |
| any niqueurong marker On 97 How lan you |
| get exactly 2 reters of water Auto 4 leter. |
| Jug? Implement this Weling Dept Fill Search |
| |
| Purpost collections |
| del mount): |
| starting-node = [[0,0]] |
| Juge = get - Jugs () |
| goal-amount = get-goal (Jugs) |
| chulc-det =() |
| ?1-depthi=true 1) am? |
| Search (Start-node, Juge, goal-amount, |
| eherte-dêct, le deptte) |
| |
| det vert-transéteon (Juge, path, cluk-dut): |
| Degult = [-] |
| neat noder = [] |
| node=[] Deamodrof |
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- ON LANDE OF a-max= Pugs [o] b-max = pugi[i] a = puth (-J[o] b=path [-1][1] node. append (a-max) node. append (b) Pt not ben-there (node, check-diet): next-noder. append (node) node = [] mode appoind (a) node. appoind (b_max) Pb not been-there (node, cherk-dut): nest-nodes. appond (node) node = []. nocle. append (men (a+b),) node. append (b-(node[o]-a)) ib not been-there (node, cluk-dut): next_nodes. append (node) node =[] unde. append (o) node, append (b) Hearing sof

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Pf not been these Chode, chik-dict): went-woder. append (wode) TUDE HOLLS node -[] riode. append (a) wode, append (o) Pb hot been there (node, chek-dect): nest-roder. append (rode) det Search (Starting-woole, Jugh, goal-amount, check dect, indepth): Pb Ps-depth: point (" Implimiting DFS") polut (" hylementing BES") 9001 = [] eurrylehed = Fake. 9 = collections, degne () of. appendleft (Starting-wool) while leng (9) =0: patt = q. poplet() · cluk-dut [get-Pudex (patter L-1)) = Tous Pb length (puth) >=2: December - prent (toanestion (path [-], path [-]

All the state of t Tuge), patter-1]) ? + 'Pegoal (path, goal amount): TT JAM anomplehed = Tene (r) hnogen about goal = path break nent move = nent-trametron, (juge, path, chek-day for Pin neut-move: Pt re-depth: q. appendleft (?) q.append (?) It awary behed: prent ("the goal ex actived") & postit patt ("Pioblem Cannot be Solved") Carlo Laday ... (Day posts 12) Williams . F. Carlo Cherry Thousand The sold of the same Damod of.
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