Name-Nimt Sayal USN-1BM18 (506). Al-Lab-Test () Pate - 13/11/20 Jugs Paoblem. search (start mode, jugs, god amont, chech-diet is-dyth): goal = []. accomplished = false q = collection. dque () 9. affendlyt (starting mode). while lon (g) 1 = 0: path = 9. popliff() chech_dict [get-midx& (fath (-1])] = True. if len (path) >= 2: feint (teamstion (path[-2] path[-1] jugs) path [-1] is isgoal (path, goal-amount); accomplished = True goal = path. break. ness many = mext-transitions (jugs, frath chapted) i in mest-mous: is is-diffith: g. affrend lift (i) elise q. alpend ()

if accomplished:

fruit ("The goal is admired") &

else

fint ("Problem cannot be solved");

Hating node > list of two integer > initeal state of jugs.

jugs > Volume of gugs.

goal amount > derived amount.

check - diet > a dieteorae storing ointed modes.