Question :   Water Jug Problem.

Jug1 = 04

Jug2 = 03

Aim = 02

⇒   def   waterJug dfs (amt 1, amt 2):

   if (amt 1 == aim   and amt 2 == 0) or
      (amt 2 == aim   and amt 1 == 0):

   print (amt 1, amt 2)

      if vis [(amt 1, amt 2)] = True

   return (waterjugdfs(0, amt 2) or   water jugdfs (amt 1, 0) or

      water jugdfs (jug 1, amt 2) or water jug dfs (amt 1, jug2) or

   water jug dfs (amt 1 + min (amt 2, (jug 1 - amt 1)),

   amt 2 - min (amt 2, (jug 1 - amt 1))) or

   water jug dfs (amt 1 - min (amt 1, (jug2 - amt))

   amt 2 + min (amt 1, (jug 2 - amt 2))))

⟹ else

return False

print (" Steps: ")

water jug dfs (0,0)