09047000 8-puzzle problem pseudocode: def dfs (sec, target, livit, wisted-states):

if 89c = target return true. if limit < =0 visited_states.append (SRC)
adj° = possible_moves (sRC, visited-states) for mone in adj:

if des (mone, target, limit-1, misited_state):

setum true. gehum Falge & James possible-moves (state, visited-states): ind = state index(-1) d = [] | Tough = [1 - d] ans if ind +3 in range (9):

d.append ('d')

if ind-3 in range (9):

d.append ('u')

if ind not in [0,3,6]:

d.append ('l')

if ind not in [2,5,8]:

d.append ('r') pos -moves =[]

papergri

for more in d: pos-moves. append (gen(state, move, ind)

Return [mone for mone in pos-moves if mon no in visted-statis]

def gen (3 tate, m, b):

53 mono

temp = state.copy()

if m = = 'd':

a = temp[b+3] temp[b+3] = temp[b] temp[b] = a elif m == (u)

a = temp[b-3] temp[b-3] = temp[b] temp[b] = a.

elif m == 12°

a = temp[6-1] temp [b-1] = temp[b] temp [b]= a elif m = (n)

a = temp[b+1]

temp[b+1] = temp[b]

temp[b] = a

geturn temp

def iodfs (sac, target, depth):

wisited-states = []