8 Puzzle IPS:

def iddfs (src, target, depth):

visited_states = []

for i in range(1, depth +1):

if dts (src, target, i, visited-states);

return true

return False

dfs (src, target, limit, visited-states):

if src = = target:

return True

if limit <= 0:

return False

visited_states.append(src)

adj = possible_moves(src, visited_states)

for Omove in adj:

if des (move, target, limit-1, visited-states

return True

return False