# 八皇后問題

board = [-1] \* 8

def printboard(result):

for v in result:

length = len(result)

print('□ '\*v + '■ ' + '□ '\* (length-v-1))

print('\n')

def is\_valid(board, row, col):

for r in range(row):

if col == board[r] or abs(row - r) == abs(col - board[r]):

return False

continue

return True

def eightQueen(board, row):

if row >= len(board):

printboard(board)

return True

for col in range(len(board)):

if is\_valid(board, row, col):

board[row] = col

if eightQueen(board, row+1):

pass

#return True

return False

eightQueen(board, 0)

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