```
In [ ]: class State:
    def _init_(self, pai, rainhas, linha): #index linha da rainha
        self.pai = pai
         self.rainhas = rainhas
         self.linha = linha
def showState(s):
    print(f'{s.rainhas}')
def initialState():
    return State(None, [0, 0, 0, 0, 0, 0, 0], 0)
def goal(s):
    return
def valido(s):
    return True
def expand(s):
    ret = []
    for i in range(8):
         copia = State(s.pai, s.rainhas.copy(), s.linha)
        copia.rainhas[s.linha] = i
        filho = State(s, copia.rainhas, s.linha+1)
        if(valido(s)):
             ret.append(filho)
     return ret
def showPath(s):
    if(s == None):
         return
    showPath(s.pai)
    showState(s)
queue = []
def enqueue(s):
    queue.append(s)
def dequeue():
  return queue.pop(0)
s = initialState()
enqueue(s)
while(queue):
    s = dequeue()
    if(goal(s)):
         showPath(s)
        break
    children = expand(s)
    for child in children:
        enqueue(child)
```