8 purple puddem using stroubline depths mounds bys. dy bys (suc, target): Ulated_states = [] visited. status. append (suc) our = [suc] whele our: y arr[o] = = target: ant = possible_mous (arr[s], visited state arr. pop(0) return false. possible - marce (state, visted - states): b = state index (-1) 4 - CJ (P) spensy us E+d of d. append ('d') b-3 en range (a): a oppend ("u") (6. E. O. m ton d ye a ablang (. c) not en C2,5,8]: d. append ('r') pas - maus = []

```
for mour end:
                pos-moves. append (gent state, mover, b))
         not in visited - states)
def gen (state, direction, blank-spot):
temp = state wpy()
         ef direction == 'd':
             a= temp [ Hank - spot + 3]
             temp . [ blank spot +3] = temp[ blank spot]
             temp C blank - spot ] = a
         dif derection = = 'u':
              a: temp[bluk.spot.3]
              temp[ blank spot - 3] = temp[ blank spot]
              temp [ blank - spot ] = a
         direction == 'L':
              a = temp[ blank- upst -1]
              temp[blank spot - [] = temp[blan-yout]
              temple un-spot] = a}
         dif direction = = 'r':
                a = temp[ blan-spot + 1]
               temp[ blue spot] = a
        return temp.
```