=> 8 PUZZY PROGRAM %-

```
def olfs (svc, target, limit, Visited_states);
if svc == tauget;
      hetum whe
     if limit <= 0
        Vetur Falce
  visited states appeal (eve)
  adj = yossible mones (1vc, visiled - statu)
   for now in ordj:
          if of (more, tanget, lint -1, visited-states):
            return true
         Letur False
    def possible - mover (state, visited state):
    ind = date. mider (-1)
  d= []
  if ind +3 in vage (a):
      d. apped ('d')
       ib ind-3 in vage (9):
of appeal ('u')
     if a ind not in [0,3,6]:
of: appeal ('1)
    if ind not in [2,5,8]:
d: apped ('v')
```

```
Pol-moner = []
    to man in d:
      Pol - mones appeal (gen (state, mone, ind))

entire [man for mone in pol-mones if more not in visited_state]
olf gen (state, m, b):
          Kup = state . copy ()
       i) u= = 'd';
           a = lemp[b+3]
            Plup [b+3]: Peup [b]
             flup [b] = a
          elij m = 'n':
               a = lemp [b-3]
                llup [b-3] = llup [b]
           elib m = 2 L':
                 a = leup [b-1]
                 tap [b-] = tap [b]
                  leup [b] = a
                elif m == 'r':
                      a: leup [b+1]
                      tup [b+1] = temp b
                      lenp [6] = a
            lettun lenp
```

dy iddys (evc, taget, depth): violed\_ State () for; in range (1, depth +1): if alf (eve, tought, i, visited, elate):

Vetun Tvw Autum False.