```
Name : Robit Kudache
       USN 8 1 BM 8 CSO 83
      program 4: Maze.
     def astan-search (map, stant, end);
       Obin = []
                      closed = []
           Start-node = Node (Start, none)
            goal-node = Node (end, none)
           open. append (start-node)
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cohile len (open) >0:
                         open sort ()
                      content-node = open. pop(0)
         closed append (contrent-node)
      if convent-node != Startnode:
             pash append (content-node position)
               convent-node = convent-node porent
                    return path [:: - 1]
         (x,y) = convent-node position
       neighbowns = [((x-1), y)), (x+1, y), (x, y-1)
                             (x, y +1)]
       Lor next in neighbowns:
                             map-value = map. get ( nept)
                     if ( map-raise = = '#'):
                    continue
                  neighbown = Node (next, convent-node)
                    it (neighbown in closed):
         continue
      if (add_to-open (open_neighbowr) == true).
                              open-append (neighbor)
               retwin
                                      None.
                                                      01
```