```
board = 1 1 ' , 2 '', 3 : '
             H: 1 , 5: 1 , 6: 1 ,
              7: ( ), 8: ( ), 9: ( )}
det print-board (board):
        print(boardED+'1'+ board [2]+'1'+ board[])
        print (1-t-t-')
         bi, ut (poorg CD+ 11, + poorg [2] + c1,4 poorg [2)
         print( '-+-+-')
          print ( board (z) +'1' + board (s) +'1'+ board (s))
           bring ()
 det space-free (pos):
         return board [poi) == ( '
  det check-win ():
         win-conditions=[ (1,27),(4,5,6),(7,8,9),
                           (1,4,7), (2,5,8), (3,6,9),
                           (1,5,9), (3,5,7)]
         for a, b, c:n win-conditions:
              if board Ea] == board[b] = board[s] and board[e]!= ():
                    return Frue
               return Falce
 det check-draw():
           roburn all(space) = 1 , for space ( n poard value(1))
  de injert - 1 etter (1 otter, position):
          if space-free (position):
                  board Epolition = letter
                   print - board (board)
```

```
1 (Mich drawl)
              print (draw!)
        elil check. win ()
               print (+ 14 loller + wint!)
         rdurn
   print ( polition taken, please pick a different polition)
   bolition = in/ (input ( Enter new bolition: ))
    insert - letter (letter, position)
player = (0)
pot = 1X,
 get blader-mone();
       polition = int (input ('Enter position to 0 (1-9): 1)
        insert - letter (player, position)
 det (omp-morec);
       best-5000 = - 1000
        Pelt more = 0
         forkey in board keys():
              if board (key) == 1 :
                    board [ key = 604
                      Score = minimase (board, False)
                      poond [Iray] = 10, 1.
                      it scrove > best_8crove:
                             best-score = scoore
                              be It- more = key
          "ment-lettler (bot, belt_more
del minimum (board, il-maximizing):
        ", + check-win():
             rdun 1:1+ :1-maximixing else-1
         ; f (helk-draw():
              o mulos
         if : (-maximizing:
               beit - 5000 = -1000
                for boy in board (coys):
```

board [key] = bot
George = minimore (board, Falle)
board Elegy = ' '
post - 21006 = max (11006) Post = (1006)
redurn best score
0/56 ;
\$ ps(1+2 core = 1000
for key'n board. (ceys ():
; + board[Leey] == 11:
board [key] = player
score = minimos (baard, Prue)
poorg Exal = 1
belt-score = min (vore, best-score)
return best-score
while not check-wind and not ohede-drawes:
dayor mover)
Outpul
X
Enter bosition to: o (1-d):1
OXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
Enter position for 0 (1-9): 2
Enter position for 1 (1-9) 53
0/0/0
X X O wins \