board = list(range(1, 10))  
win\_combs = [(1, 2, 3), (4, 5, 6,), (7, 8, 9), (1, 4, 7), (2, 5, 8), (3, 6, 9), (1, 5, 9), (3, 5, 7)]  
  
  
def draw\_board():  
 print("------------")  
 for i in range(3):  
 print("|", board[0 + i \* 3], "|", board[1 + i \* 3], "|", board[2 + i \* 3], "|")  
 print("------------")  
  
  
def take\_input(player\_token):  
 while True:  
 value = input("Куда ставим: " + player\_token)  
 if not (value in "123456789"):  
 print("Ошибочный ввод. Повторите!")  
 continue  
 value = int(value)  
 if str(board[value - 1]) in "XO":  
 print("Эта клетка уже занята")  
 continue  
 board[value - 1] = player\_token  
 break  
  
  
def who\_wins():  
 for each in win\_combs:  
 if (board[each[0] - 1]) == (board[each[1] - 1]) == (board[each[2] - 1]):  
 return board[each[1] - 1]  
 else:  
 return False  
  
def main():  
 counter = 0  
 while True:  
 draw\_board()  
 if counter % 2 == 0:  
 take\_input('X')  
 else:  
 take\_input('O')  
  
 if counter > 3:  
 winner = who\_wins()  
 if winner:  
 draw\_board()  
 print (winner, "Вы выигрли!")  
 break  
 counter += 1  
  
 if counter > 8:  
 draw\_board()  
 print ("Ничья!")  
 break  
  
main()