print("\_" \* 5, "Игра Крестики-нолики", "\_" \* 5)

val = list(range(1,10))

def draw\_cells(val):

print("\_" \* 13)

for i in range(3):

print("|", val[0+i\*3], "|", val[1+i\*3], "|", val[2+i\*3], "|")

print("\_" \* 13)

def take\_input(player\_token):

valid = False

while not valid:

player\_answer = input("Choose your block" + player\_token+"? ")

try:

player\_answer = int(player\_answer)

except:

print("Invalid input. Are you sure you entered a number?")

continue

if player\_answer >= 1 and player\_answer <= 9:

if(str(val[player\_answer-1]) not in "XO"):

val[player\_answer-1] = player\_token

valid = True

else:

print("This cell is already taken")

else:

print("Введите число от 1 до 9.")

def check\_win(val):

win\_coord = ((0,1,2), (3,4,5), (6,7,8), (0,3,6), (1,4,7), (2,5,8), (0,4,8), (2,4,6))

for each in win\_coord:

if val[each[0]] == val[each[1]] == val[each[2]]:

return val[each[0]]

return False

def main(val):

counter = 0

win = False

while not win:

draw\_cells(val)

if counter % 2 == 0:

take\_input("x")

else:

take\_input("o")

counter += 1

if counter > 4:

tmp = check\_win(val)

if tmp:

print("Player", tmp, "win!")

win = True

break

if counter == 9:

print("Dead heat!")

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draw\_cells(val)

main(val)

input("Press Enter to quit!")