汉诺塔递归算法

def move(n,x,y,z):

if n==1:

print(x,'to',z)

return

move(n-1,x,z,y)

move(1,x,y,z)

move(n-1,y,x,z)

move(3,x=’a’,y=’b’,z=’c’)

“””

Move(2,x=’a’,y=z(‘c’),z=y(‘b’))==move(2,x=’a’,y=’c’,z=’b’)

Move(1,x=x(‘a’),y=z(‘b’),z=y(‘c’)==move(1,x=’a’,y=’b’,z=’c’)

Print(x,’to’,z) a to c

Move(1,x=x(‘a’),y=y(‘c’),z=z(‘b’))==move(1,x=’a’,y=’c’,z=’b’)

Print(x,’to’,z) a to b

Move(1,x=y(‘c’),y=x(‘a’),z=z(‘b’)==move(1,x=’c’,y=’a’,z=’b’)

Print(x, ‘to’,z) c to b

Move(1,x=’a’,y=’b’,z=’c’)

Print(x,’to’,z) a to c

Move(2,x=y(‘b’),y=x(‘a’),z=z(‘c’))==move(2,x=’b’,y=’a’,z=’c’)

` move(1,x=x(‘b’),y=z(‘c’),z=y(‘a’))==move(1,x=’b’,y=’c’,z=’a’)

Print(x,’to’,z) b to a

Move(1,x=x(‘b’),y=y(‘a’),z=z(‘c’))==move(1,x=’b’,y=’a’,z=’c’)

Print（x,’to’,z） b to c

Move(1,x=y(‘a’),y=x(‘b’),z=z(‘c’))==move(1,x=’a’,y=’b’,z=’c’)

Print (x,’to’,z) a to c

链接：<http://blog.csdn.net/hikobe8/article/details/50479669>