EXP-4 CRIPT ARITHMETIC PROBLEM

PROGRAM

from itertools import permutations

def cryptarithm():

letters ='SENDMORY'

for p in permutations(range(10),8):

s,e,n,d,m,o,r,y =p

if s==0 or m==0:

continue

send = s\*1000+e\*100+n\*10+d

more = m\*1000+o\*100+r\*10+e

money = m\*10000+o\*1000+n\*100+e\*10+y

if send+more ==money:

print(f"SEND = {send}")

print(f"MORE = {more}")

print(f"MONEY = {money}")

return

cryptarithm()

OUTPUT

