from itertools import permutations

def solve():

letters = 'SENDMORY'

digits = range(10)

for perm in permutations(digits, len(letters)):

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

if s == 0 or m == 0: # No leading zeros

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

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

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

if send + more == money:

print(f"SEND: {send}, MORE: {more}, MONEY: {money}")

return

solve()

A screenshot of a computer

AI-generated content may be incorrect.