```
def solve_cryptarithmetic():
        letters = 'SENDMORY'
        digits = range(10)
 6
        for perm in permutations(digits, len(letters)):
8
            mapping = dict(zip(letters, perm))
10
            if mapping['S'] == 0 or mapping['M'] == 0:
11
                continue
13
            SEND = 1000*mapping['S'] + 100*mapping['E'] + 10*mapping['N'] + mapping['D']
14
            MORE = 1000*mapping['M'] + 100*mapping['0'] + 10*mapping['R'] + mapping['E']
15
            MONEY = 10000*mapping['M'] + 1000*mapping['0'] + 100*mapping['N'] + 10*mapping['E'] + mapping['Y']
16
17
            if SEND + MORE == MONEY:
18
                print("Solution Found:")
19
                print(f"SEND = {SEND}")
20
                print(f"MORE = {MORE}")
                print(f"MONEY = {MONEY}")
                print(f"Mapping: {mapping}")
23
                return
24
25
        print("No solution found.")
26
    solve cryptarithmetic()
00
```

from itertools import permutations

Mapping: {'S': 9, 'E': 5, 'N': 6, 'D': 7, 'M': 1, 'O': 0, 'R': 8, 'Y': 2}

```
>>> %Run -c $EDITOR CONTENT
  Solution Found:
  SEND = 9567
```

MORE = 1085MONEY = 10652

>>>