

```
1 import itertools
2
3 def solve():
4     letters = "SENDMORY"
5     digits = "0123456789"
6
7     for perm in itertools.permutations(digits, len(letters)):
8         s = dict(zip(letters, perm))
9         if s['S']=='0' or s['M']=='0':
10             continue
11
12         send = int(s['S']+s['E']+s['N']+s['D'])
13         more = int(s['M']+s['O']+s['R']+s['E'])
14         money = int(s['M']+s['O']+s['N']+s['E']+s['Y'])
15
16         if send + more == money:
17             print("SEND =", send)
18             print("MORE =", more)
19             print("MONEY =", money)
20             return
21
22 solve()
23
```

Output

0 0

4 0

0 3

4 3

1 3

3 0

1 0

3 3

0 1

4 2

Reached target!

=== Code Execution Successful ===