

```
1 import itertools
2
3 def solve():
4     letters = "SENDMOREY"
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

```
SEND = 9567  
MORE = 1085  
MONEY = 10652
```

Code Execution Successful