

PROGRAM-4 CRIPT ARITHMETIC PROBLEM

AIM :

To create a python program to solve cript arithmetic problem

PROGRAM :

```
import re

def solve(q):
    try:
        n = next(i for i in q if i.isalpha())
    except StopIteration:
        return q if eval(re.sub(r'(^|^[0-9])0+([1-9]+)', r'\1\2', q))
    else False
    else:
        for i in (str(i) for i in range(10) if str(i) not in q):
            r = solve(q.replace(n, str(i)))
            if r:
                return r
        return False

if __name__ == "__main__":
    query = "COUNT - COIN == SNUB"
    r = solve(query)
    print(r) if r else print("No solution found.")
```

OUTPUT :



```
>>> = RESTART: C:/Users/Welcome/Downloads/crypt-arithmetic.py
03185 - 0368 == 2817
>>>
```

RESULT :

The program was executed successfully.