☰ Submission Detail

ID	#497732
Problem	Donut (https://ejudge.it.kmitl.ac.th/problem/2843)
Username	it60070183(นายธีรภัทร ไกรศรีสิริกุล) (https://ejudge.it.kmitl.ac.th/account/1506)
Language	Python
Correctness Score	100 Points
Bonus Score	900 Points
Quality	100% [How to improve your code]
Summary Score	1000 Points
Time	2017-10-05 13:30:59

➡] Details

Case 1 [#14875] :   [Passed]   0.02521400 sec.
Case 2 [#14892] :   [Passed]   0.02535100 sec.
Case 3 [#14895] :   [Passed]   0.02438100 sec.
Case 4 [#14896] :   [Passed]   0.02422900 sec.
Case 5 [#14897] :   [Passed]   0.02424800 sec.
Case 6 [#14898] :   [Passed]   0.02425500 sec.
Case 7 [#14899] :   [Passed]   0.04282100 sec.
Case 8 [#14906] :   [Passed]   0.04277700 sec.
Case 9 [#14907] :   [Passed]   0.04267400 sec.
Case 10 [#14908] : [Passed]   0.04299700 sec.

🖥 Code

Pointers=false&textReferences=false&showOnlyOutputs=false&py=3&rawInputLstJSON=%5B%5D&curInstr=0)

```python
"""
PSIT Midterm Examination (Rerun) - Donut
Teerapat Kraisrisirikul (60070183)
"""

def main():
    """ Main function """
    price, amount, free, demand = int(input()), int(input()), int(input()), int(
    demand_pack = demand//(amount+free) #Demanded packages of donut.
    demand %= (amount+free)              #Demanded extra donuts.

    #Calculating on extra donuts
    if demand < amount:
        #Demand is less than the promotion amount.
        pay = demand * price
        get = demand
    elif demand >= amount:
        #Demand reaches the promotion amount.
        pay = amount * price
        get = amount+free

    #Calculating on donut packages
    pay += demand_pack * amount * price
    get += demand_pack * (amount+free)

    #Output
    print(pay, get)

main()
```