

# This is an example of "integer overflow" in CTF problems. We need to buy 900 flags in a quantity of 2147483647 (INT\_MAX) to rotate the balance of the transaction. Then we need to buy a large quantity of flags that meets the condition:

$(n * 900) - 2^{32} = \text{negative}$ , with  $(n * 900) > \text{INT\_MAX}$

# Because it will not decrease the value of our account, but it will increase due to the overflow Inputs:

```
2
1
2147483647
2
1
30000000
2
2
1
```

THE FLAG : picoCTF{m0n3y\_bag5\_65d67a74}

~Z4que