

Anniversary Gift!

In a n-count month you and your wife have an anniversary! You decided to buy a dress to her. You have to calculate did your savings will be enough for this gift. After every month from your month salary you will pay electricity and net, and save the remaining money for the gift. For input you need the price of the dress, months to the anniversary, electricity and net price. Every second month you have been rewarded with bonus 100\$ to the salary.

>Calculations:

- From your month salary took out bills and add remaining to your savings.
- Every second month add 100\$ to your month salary.

INPUT:

- Dress Price [double]
- Months Count [int]
- Electricity Price [double]
- Net Price [double]

OUTPUT:

- If collected money are enough, print:

"You bought that dress , your wife will be happy! Left money: {}\$"

and inside left money!

- If collected money are not enough, print:

"You have to buy something cheaper to your wife! Needed money: {}\$"

and inside needed money!

- Output sum is double floated!

Examples!

Example 1:

500
5
120
45
400
800
250
1000
444.44
You bought that dress. Your wife will be happy! Left money: 1769.44\$

Example 2:

2500
6
250
125
100
600
1500
234
551
675
You have to buy something cheaper to your wife! Needed money: 790.00\$

Example 3:

2555
3
500
250
500
900
230
You have to buy something cheaper to your wife! Needed money: 3075.00\$

Example 4:

5500
10
500
200
100
900
500
1344.41
514
550
670
800
991
561
You have to buy something cheaper to your wife! Needed money: 5069.59\$