

3. Wedding Decoration

Michaela and Ivan have to buy decorations for their wedding hall. You need to buy balloons, ribbons, candles and flowers, the cost for each is as follows:

- balloons – 0,1 lv. per count
- flowers – 1.5 lv. per count
- candles – 0,5 lv. per count
- ribbons – 2 lv. per meter

They buy the goods until their budget is over or until they see it as enough.

Input

Several lines from the console:

- First line – the budget – real number
On the following lines:
 - 1) Good's type ("balloons", "flowers", "candles", "ribbon")
 - 2) Count – integer

Output

Two possible outputs:

- If you read the "stop" command:
 - Spend money: {money_spent}
 - Money left: {money_left}
- If they run out of money:
 - All money is spent!

At the end always print the purchased goods:

"Purchased decoration is {balloons_count} balloons, {ribbon_meters} m ribbon, {flowers_count} flowers and {candles_count} candles."

Examples

Input	Output	Hints	
30 flowers 10 balloons 20 candles 10 ribbon 8	All money is spent! Purchased decoration is 20 balloons, 8 m ribbon, 10 flowers and 10 candles.	The budget is 30 lv. Bought 10 flowers each 1.5 lv. = 15 lv. Bought 20 balloons each 0.10 lv. = 2 lv. Bought 10 candles each 0.50 lv. = 5 lv. Bought 8 meters of ribbon each 2 lv. = 16 лв. 16 > 3, then the budget is over and the program ends.	
Input	Output	Input	Output
365.50 flowers 15 balloons 10 candles 5 ribbon	Spend money: 52.00 Money left: 313.50 Purchased decoration is 25 balloons, 10 m ribbon, 15 flowers and 14 candles.	500 balloons 30 candles 20 flowers 100 ribbon	Spend money: 203.00 Money left: 297.00 Purchased decoration is 30 balloons, 20 m ribbon, 100 flowers and 20 candles.

6 ribbon 4 balloons 15 candles 9 stop		20 stop	
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