

Question #3:

goturbi (40 points)

Please read [important information](#) first.

Description

goturbi is the new delivery app of Xandar. They sell many items, they have a specific amount of stocks for each of them, and they give different options to the user.

You are expected to make the app for the Xandar government so that citizens can buy products or return them.

Inputs

You are given two lists filled with products and their stock amount information (consecutively). You are expected to execute the required operation given by the user, which can be buying, return, or exit. After you take the operation, you need to take the product name, and the amount of product requested in this order.

Operation	Possible Execution	Error Message
buying	The amount bought by the user is subtracted from that product's stock info	
buying	Print error message	We don't have this product anymore
buying	Print error message	"number_of_not_bought" items could not be bought
return	The amount of product returned by the user is added to that product's stock info	
return	Print error message	"number_of_unreturned" items could not be returned
return	Print error message	Stocks are full for "product_name"
exit	Finish the program	

Outputs

You are expected to execute the necessary operation on their accounts and print "old stock balance => new stock balance", or error message.

Constraints

$1 \leq \text{Number of Products} \leq 100$

$0 \leq \text{Stock Info of a Product} \leq 50$ (The government only has 50 stock spaces for each product)

Products' stock balances can go down to 0, but they cannot exceed 50.

You should check the validity of inputs coming from the user.

If the user enters invalid input, you should keep asking for a correct input until you get one.

After an operation ends, you should keep asking for a new operation, until the user enters "exit" as an operation.

All input strings will be entered in lowercase.

If the user wants to return an item but there is a limited stock space, you should add the returnable amount to stock, print the error message for the unreturnable amount to the user, then print the old and new stock balance information.

If the user wants to buy an item but there is limited stock, you should remove the available amount from stock, print the error message for the unavailable amount to the user, then print the old and new stock balance information.

Hint

The `index()` method returns the index of the specified element in the list.

'in' is used to test if a sequence (list, tuple, string, etc.) contains a value. It returns True if the value is present, else it returns False.

Examples

Input	Output
return toothpaste 15 return toothpaste 5 exit	32 => 47 2 items could not be returned 47 => 50
cat treat buying cat treat 5 buying cat treat 1 buying soap 2 exit	2 items could not be bought 3 => 0 We don't have this product anymore 27 => 25