Question #3:

BasBin (40 points)

Please read <u>important information</u> first.

Description

BasBin is the new transportation card of Xandar. They have different transportation options like metro, marmaray, and metrobus. The price of transportation depends on the type of transportation. The price table is given below.

You are expected to make a kiosk app for the Xandar government that citizens can deposit money on their cards and use on transportation.

Type of Transportation	Price
Marmaray	2.42
Metrobus	7
Metro	3.74

Inputs

You are given two lists filled with citizen IDs and their BasBin account information (balance, consecutively). You are expected to execute the required operation given by the user, which can be transport, deposit, or exit. After you take the operation, you need to take the citizenship ID, type of transportation, and the amount of money that is deposited in this order.

Operation	Possible Execution	Error Message
deposit	Money is added to the account	
deposit	Print error message	You exceeded the maximum allowed deposit amount
transport	Money is taken from the account	
transport	Print error message	Your account is blocked
transport	Print error message	Inadequate balance
exit	Finish the program	

Outputs

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

Constraints

1 ≤ Number of Citizens ≤ 100

-100 ≤ Account Balance

Max. Deposit Amount = 100

Citizens' account balances can go down to -100, but after they reach -100, their accounts are blocked, and can't use transportation.

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.

You should only wait for the transportation type input if the user selected 'transport' as operation.

You should only wait for the amount of money input if the user selected 'deposit' as operation.

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
transport 550019289 metro 32 deposit 908568514 32 exit	11.56 => 7.82 -57.53 => -25.53
transport 556197161 metro deposit 393498080 200 exit	Inadequate balance You exceeded the maximum allowed deposit amount