



02:51:30 HRS MIN SEC

Shopee Code League 2022 - Qualification Round

LIVE INVITE ONLY ACCESS

Mar 19, 2022, 03:00 PM WITA - Mar 19, 2022, 06:00 PM WITA

INSTRUCTIONS PROBLEMS SUBMISSIONS LEADERBOARD ANALYTICS JUDGE

← Problems / Money Transfer

Money Transfer

Max. score: 100

SeaMoney has a feature to transfer money between users. Let's imagine a simple scenario.

N usernames—consisting of lowercase Latin characters—each starts with a balance b. Amongst them, T transactions happened, where user u_a transfers x amount of money to u_b . If x is larger than the u_a 's balance when the transaction happens, the transaction is automatically rejected.

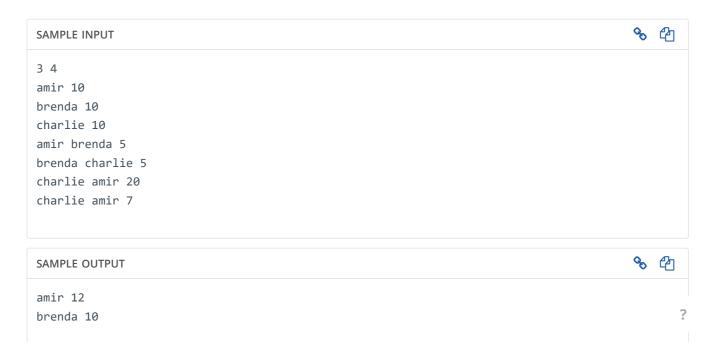
Output the final balance of each user.

Input

The first line contains two numbers N and T $(1 \le N, T \le 1000)$. Each of the next N following lines contain username u_i $(1 \le |u_i| \le 10)$ and integer b_i $(1 \le b_i \le 10^9)$, denoting the balance of user u_i . Following that are T lines, each containing two usernames u_a and u_b $(u_a \ne u_b)$ followed by an integer x $(1 \le x \le 10^9)$, denoting the amount of money transferred from u_a to u_b .

Output

Output the balance of all users in alphabetical order.



Explanation

NA

Time Limit: 1.0 sec(s) for each input file.

Memory Limit: 256 MB

Source Limit: 1024 KB

Marking Scheme: Score is assigned when all the testcases pass.

Allowed Languages: Bash, C, C++, C++14, C++17, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, Java 14, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, Python 3, Python 3.8, Racket, Ruby, Rust, Scala, Swift-4.1, Swift, TypeScript, Visual Basic

CODE EDITOR

```
C (gcc 10.3)
                                                       Save
 1
 2
     // Sample code to perform I/O:
 3
     #include <stdio.h>
 4
 5
     int main(){
 6
         int num;
 7
          scanf("%d", &num);
                                                         // Reading input from STDIN
                                                 // Writing output to STDOUT
 8
          printf("Input number is %d.\n", num);
 9
     }
10
     // Warning: Printing unwanted or ill-formatted data to output will cause the test
11
     cases to fail
12
13
14
     // Write your code here
15
```

1:1 · · · · · · · · · de



Test against custom input ▼

Compile & Test code

Submit code

" Tip: You can submit any number of times you want. Your best submission is considered for computing total score.

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