CODEFORCES
Sponsored by TON

| 🇬🇧 🇷🇺

Ahmed_Essam_Yassin | Logout

HOME   TOP   CATALOG   CONTESTS   GYM   PROBLEMSET   GROUPS   RATING   EDU   API   CALENDAR   HELP

PROBLEMS   SUBMIT CODE   MY SUBMISSIONS   STATUS   STANDINGS   CUSTOM INVOCATION

B. Sharapova And Her Pocket Money

time limit per test: 2 seconds

memory limit per test: 64 megabytes

input: standard input

output: standard output

Sharapova has a pocket money which there are D dollars inside initially. Every day, she does one of the following operations.

-> Put X dollars inside the pocket money

-> Take Y dollars from the pocket money

In the second operation. If there isn't enough money to take, she won't take any thing.

Given what operation she will do in the N next days and D (The initial amount of money). You are asked to answer with the final amount of money in the pocket after the the N days.

Input
In the first line, You are given N and D (1 <= N <= 10^5), (0 <= D <= 10^5). N is the number of days and D the initial amount of money.

In the next N line you are given which operation she will do in the following format.

-> "+ X" if she will do the first operation. (0 <= X <= 10^5)

-> "- Y" if she will do the second operation. (0 <= Y <= 10^5)

Output
In a single line, print the final amount of money inside the pocket money.

Examples

input	Copy
3 5 + 2 - 5 - 2	

output	Copy
0	

input	Copy
2 0 + 2 + 4	

output	Copy
6	