Z 431 PaneerLove

Problem	Submissions	Leaderboard	Discussions

Chappu is addicted to Paneer! Nikau wants to keep her happy for n days. In order to be happy in i-th day, she needs to eat exactly $a[i]$ kilograms of Paneer.

There is a big shop uptown and Nikau wants to buy Paneer for her from there. In i-th day, they sell Paneer for p_i dollars per kilogram.

Nikau knows all numbers $a_1,...,a_n$ and $p_1,...,p_n$. In each day, he can buy arbitrary amount of Paneer, also he can keep some Paneer he has for the future.

Nikau is a little tired from cooking Paneer, so he asked for your help. Help him to minimize the total money he spends to keep Chappu happy for n days.

Input Format

The first line of input contains integer n ($1<=n<=10^5$), the number of days.

In the next n lines, i-th line contains two integers a_i and p_i ($1<=a_i, p_i<=100$), the amount of Paneer Chappu needs and the cost of Paneer in that day.

Constraints

$1 <= n <= 10^5$

Output Format

Print the minimum money needed to keep Chappu happy for n days, in one line.

Sample Input 0

```
3
1 3
2 2
3 1
```

Sample Output 0

```
10
```

f t in

Contest ends in 3 days

Submissions: 368
Max Score: 50
Difficulty: Easy

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More

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```
1  #include <cmath>
2  #include <cstdio>
3  #include <vector>
4  #include <iostream>
```

```cpp
5  #include <algorithm>
6  using namespace std;
7
8
9  int main() {
10     /* Enter your code here. Read input from STDIN. Print output to STDOUT */
11     return 0;
12 }
13
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code