



Mosaic Decoration I

Time limit: 2500 ms
Memory limit: 256 MB

Zapray lives in a big mansion that has NV bathrooms. He wants to decorate the bathroom walls using mosaic tiles of two colors: black and pink. The i th bathroom needs B_iB^i black tiles and P_iP^i pink tiles. Mosaic tiles are sold in piles. Zapray can buy one pile of 1010 black tiles for $C_B C^B$ dollars, and one pile of 1010 pink tiles for $C_P C^P$ dollars. How much money does he need in total to decorate all the NV bathrooms?

Standard input

The input contains three integers N, C_B, C_P on the first line.

The next NV lines each have two integers. The i th line has B_iB^i and P_iP^i .

Standard output

Output a single integer, the amount of money in dollars that Zapray needs to decorate all his bathrooms.

Constraints and notes

- $2 \leq N \leq 100$
- $1 \leq C_B, C_P \leq 1,000$
- $1 \leq B_i, P_i \leq 1,000$

Input	Output	Explanation
<div> <div>357</div> <div>1010</div> <div>2030</div> <div>303</div> </div>	65	<p>There are 33 bathrooms to decorate. In total 6060 black tiles and 4343 pink tiles are needed.</p> <p>Zapray needs to purchase 66 piles of black tiles and 55 piles of pink tiles.</p> <p>The total cost is $6 \times 5 + 5 \times 7 = 65$ dollars.</p>