

# Taum and B'day

## Problem Statement

Taum is planning to celebrate the birthday of his friend, Diksha. There are two types of gifts that Diksha wants from Taum: one is black and the other is white. To make her happy, Taum has to buy  $B$  number of black gifts and  $W$  number of white gifts.

- The cost of each black gift is  $X$  units.
- The cost of every white gift is  $Y$  units.
- The cost of converting each black gift into white gift or vice versa is  $Z$  units.

Help Taum by deducing the minimum amount he needs to spend on Diksha's gifts.

## Input Format

The first line will contain an integer  $T$  which will be the number of test cases. There will be  $T$  pairs of lines. The first line of each test case will contain the values of integers  $B$  and  $W$ . Another line of each test case will contain the values of integers  $X$ ,  $Y$ , and  $Z$ .

## Constraints

$1 \leq T \leq 10$   
 $0 \leq X, Y, Z, B, W \leq 10^9$

## Output Format

$T$  lines, each containing an integer: the minimum amount of units Taum needs to spend on gifts.

## Sample Input

```
5
10 10
1 1 1
5 9
2 3 4
3 6
9 1 1
7 7
4 2 1
3 3
1 9 2
```

## Sample Output

```
20
37
12
35
12
```

## Explanation

- *Sample Case #01:*  
There is no benefit to converting the white gifts into black or the black gifts into white, so Taum will have to buy each gift for  $1$  unit. So cost of buying all gifts will be:  $10*1 + 10*1 = 20$ .
- *Sample Case #02:*

Again, we can't decrease the cost of black or white gifts by converting colors. We will buy gifts at their original price. So cost of buying all gifts will be:  $5*2 + 9*3 = 10+27 = 37\$$ .

- *Sample Case #03:*

We will buy white gifts at their original price,  $1\$$ . For black gifts, we will first buy white one and color them to black, so that their cost will be reduced to  $1+1=2\$$ . So cost of buying all gifts will be:  $3*2 + 6*1 = 12\$$ .

- *Sample Case #04:*

Similarly, we will buy white gifts at their original price,  $2\$$ . For black gifts, we will first buy white one and color them to black, so that their cost will be reduced to  $2+1=3\$$ . So cost of buying all gifts will be:  $7*3 + 7*2 = 35\$$ .

- *Sample Case #05:* We will buy black gifts at their original price,  $1\$$ . For white gifts, we will first black gifts worth  $1\$$  unit and color them to white with another  $2\$$  units, so cost for white gifts is reduced to  $3\$$  units. So cost of buying all gifts will be:  $3*1 + 3*3 = 3+9 = 12\$$ .