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 black gifts and $w$ white gifts.

- The cost of each black gift is $b c$ units.
- The cost of every white gift is $w c$ units.
- The cost to convert a black gift into white gift or vice versa is $z$ units.

Determine the minimum cost of Diksha's gifts.

## Example

$b=3$
$w=5$
$b c=3$
$w c=4$
$z=1$
He can buy a black gift for 3 and convert it to a white gift for 1 , making the total cost of each white gift 4 . That matches the cost of a white gift, so he can do that or just buy black gifts and white gifts. Either way, the overall cost is $3 * 3+5 * 4=29$.

## Function Description

Complete the function taumBday in the editor below. It should return the minimal cost of obtaining the desired gifts.
taumBday has the following parameter(s):

- int $b$ : the number of black gifts
- int w: the number of white gifts
- int bc: the cost of a black gift
- int wc: the cost of a white gift
- int $z$ : the cost to convert one color gift to the other color


## Returns

- int: the minimum cost to purchase the gifts


## Input Format

The first line will contain an integer $t$, the number of test cases.
The next $t$ pairs of lines are as follows:

- The first line contains the values of integers $b$ and $w$.
- The next line contains the values of integers $b c, w c$, and $z$.


## Constraints

$1 \leq t \leq 10$
$0 \leq b, w, b c, w c, z \leq 10^{9}$

## Output Format

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

## Sample Input

```
STDIN Function
------ ---------
5 t = 5
0 10 b = 10, w = 10
1 1 1 bc = 1, wc = 1, z = 1
b}=5,\textrm{w}=
bc = 2, wc = 3, z = 4
b = 3, w = 6
bc = 9, wc = 1, z = 1
b = 7, w = 7
bc = 4, wc = 2, z = 1
b = 3, w = 3
bc = 1, wc = 9, z = 2
```


## Sample Output

```
20
37
12
35
1 2
```


## Explanation

- Test Case \#01:

Since black gifts cost the same as white, there is no benefit to converting the gifts. Taum will have to buy each gift for 1 unit. The cost of buying all gifts will be: $b * b c+w * w c=10 * 1+10 * 1=20$.

- Test Case \#02:

Again, he cannot decrease the cost of black or white gifts by converting colors. $z$ is too high. He will buy gifts at their original prices, so the cost of buying all gifts will be:
$b * b c+w * w c=5 * 2+9 * 3=10+27=37$.

- Test Case \#03:

Since $b c>w c+z$, he will buy $b+w=3+6=9$ white gifts at their original price of $1 . b=3$ of the gifts must be black, and the cost per conversion, $z=1$. Total cost is $9 * 1+3 * 1=12$.

- Test Case \#04:

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

- Test Case \#05: He will buy black gifts at their original price, $b c=1$. For white gifts, he will first black gifts worth $b c=1$ unit and color them to white for $z=2$ units. The cost for white gifts is reduced to
$w c=b c+z=2+1=3$ units. The cost of buying all gifts will be: $3 * 1+3 * 3=3+9=12$.

