Taum and B'day

HackerRank

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

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.