Movie Trip

Filename: trip

All year you've been trying to get an edge on the other competitors in COP4516. After several contests you realize that all of the questions have a movie theme. Familiarity always helps with problem solving so you decide that you are going to watch more movies, in the hopes that the questions in the Final Individual Exam are about some of the movies you watch! But, watching movies is lonely to do alone, so you want to bring some friends and family. Though watching these movies may give you an edge in the contest, it may be costly. You'd like to figure out how much it'll cost to go to the movies!

The Problem

Given the price of an adult ticket, a child ticket, the number of adult tickets to purchase and the number of child tickets to purchase, determine the total cost of the group going to the movies. Assume that both prices include tax.

The Input

The first line of the input contains a single positive integer, *n ($n \leq 100$),* representing the number of test cases in the input file. Each test case, representing a single trip to the movies, follows, one per line. On each of these lines will be four values, *a ($a \leq 20.00$), c ($c \leq 12.00$), t_a ($t_a \leq 100$),* and t_c *($t_c \leq 100$),* representing the price of an adult ticket in dollars, the price of a child ticket in dollars, the number of adult tickets bought and the number of child tickets bought, respectively, separated by spaces. The first two values on each line will always be positive values given to two decimal places and the last two values will both be non-negative integers.

The Output

For each test case, print out the price of the corresponding trip to the movies, to exactly two decimal places.

Sample Input

```
2
12.99 7.99 3 2
15.00 10.00 4 0
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Sample Output

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54.95
60.00
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