Chopping Trees
Input File: chopping.txt

You, a lumberjack, are cutting down a small forest. However, the sun is going down, and you must return home once dark falls. Using the rules given below concerning the chopping time, determine the amount of time it takes for you to cut down your small forest (this amount of time will always be an integer; no rounding necessary).

There are three main components of tree-chopping time in this problem:

1. The amount of time it takes to make one swing (between 1-20 seconds)
2. The number of swings to cut down a tree (between 1-20 swings)
3. The clean up time for each chopped tree (between 1-20 seconds)

Given the number of trees in your small forest (between 1 and 250) and values for the three components above, find the amount of time it takes to completely chop down and clean up the small forest.

Input:

The first line contains an integer N. Each of the following N lines will each contain four space-separated integers, the first being the amount of time it takes to make one swing, the second being the number of swings to cut down a tree, the third being the clean up time for each chopped tree, and the fourth being the number of trees in the forest.

Output:

You will output the amount of time, in seconds, it takes for you to cut down your small forest for each test case. Your result should be a non-rounded integer.

Example Input:

```
3
8 3 2 15
13 14 5 130
3 7 9 76
```

Example Output:

```
390
24310
2280
```