Day 65 coding Statement : New Tablet

Ajinkya decided to buy a new tablet. His budget is B, so he cannot buy a tablet whose price is greater than B. Other than that, he only has one criterion — the area of the tablet's screen should be as large as possible. Of course, the screen of a tablet is always a rectangle.

Ajinkya has visited some tablet shops and listed all of his options. In total, there are N available tablets, numbered 1 through N. For each valid i, the i-th tablet has width Wi, height Hi and price Pi.

Help Ajinkya choose a tablet which he should buy and find the area of such a tablet's screen, or determine that he cannot buy any tablet.

Input

The first line of the input contains a single integer T denoting the number of test cases. The description of T test cases follows.

The first line of each test case contains two space-separated integers N and B. N lines follow.

For each i (1≤i≤N), the i-th of these lines contains three space-separated integers Wi, Hi and Pi.

Output

For each test case, print a single line. If Ajinkya cannot buy any tablet, it should contain the string "no tablet" (without quotes).

Otherwise, it should contain a single integer — the maximum area of the screen of a tablet Ajinkya can buy.

Sample Input 1

3

3 6

3 4 4

5 5 7

5 2 5

2 6

3 6 8

5 4 9

1 10

5 5 10

Sample Output 1

12

no tablet

25

```java
import java.util.*;
import java.lang.*;
import java.io.*;

class Main {
    public static void main(String[] args) throws java.lang.Exception {
        Scanner scanner = new Scanner(System.in);
        int t = scanner.nextInt();
        while (t-- > 0) {
            int n = scanner.nextInt();
            int b = scanner.nextInt();
            int size = 0;
            for (int j = 0; j < n; j++) {
                int w = scanner.nextInt();
                int h = scanner.nextInt();
                int p = scanner.nextInt();
                if (p <= b) {
                    if (w * h > size) {
                        size = w * h;
                    }
                }
            }
            if (size != 0) {
                System.out.println(size);
            } else {
                System.out.println("no tablet");
            }
        }
    }
}
```