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

36

3 4 4

557

525

26

```
368
549
1 10
5510
Sample Output 1
12
no tablet
25
Program:
package com.talentbattle.codingchallenge;
import java.util.Scanner;
public class NewTablet {
       public static void main(String[] args) {
             // TODO Auto-generated method stub
             Scanner scan = new Scanner(System.in);
             //input of test cases
             int t = scan.nextInt();
             while(t-->0)
                    //input of the <a href="avilable">avilable</a> tablets and budget.
                    int n = scan.nextInt();
                    int b = scan.nextInt();
                    int size = 0;
                    for(int j=0;j<n;j++)</pre>
                           //get the info. of tablet(width, height and price).
                           int w = scan.nextInt();
                           int h = scan.nextInt();
                           int p = scan.nextInt();
                           //if price less than or equal to budget continue.
                           if(p<= b)
                           {
                                  //calculate the size of the tablet.
```

```
if(w*h>size)
                                  {
                                         size=w*h;
                                  }
                           }
                    }
                    //if the size of tablet is greater than 0 print the size of
tablet.
                    if(size != 0)
                    {
                           System.out.println(size);
                    }
                    else
                    {
                           System.out.println("No tablet");
                    }
             }
      }
}
```

