

Problem B: Border

Advanced Algorithms for Programming Contests

Restrictions

Time: 2 seconds

Memory: 512 MB

Problem description

To this day, there were only some independent city-states scattered across the vast plane of *Descartes*. But today, in an unprecedented gathering of all the states' rulers, they finally agreed that this had to change: As those traveling between the cities were increasingly often becoming subject to violent robberies, the rulers acknowledged that a new form of organization would be necessary to stop this.

So they decided to form a federation that centralizes – among other things – its defense efforts. Since their main objective was to patrol the area between them, they agreed that the federation should exercise control not only over all direct paths between pairs of city-states in it, but also over all the areas these paths enclose. Now they are discussing whether to create a physical wall along the external border, which would cost a lot but help them to clear their new-claimed territory from bandits. Can you help them to figure out if they can afford it?

Input

The input consists of

- one line containing N ($3 \leq N \leq 10^5$) – the number of city-states – and C ($1 \leq C \leq 10^4$) – the amount of gold necessary to build a border wall of length 1 (you can assume the cost of a wall to be proportional to its length)
- N lines describing the city-states, with each of them containing integers x , y and g ($-10^9 \leq x, y \leq 10^9$, $0 \leq g \leq 10^9$), with the first two being the coordinates of the respective city-state and the third one being the amount of gold it would be willing to spend on a border wall.

Output

If the amount all states combined are willing to spend on it suffices to build a border wall along the entire external border, output `Build that wall!`, otherwise output `Maybe don't!`.

Sample input and output

Input	Output
5 100 0 0 200 2 0 200 0 2 200 1 1 0 2 2 200	Build that wall!
3 1 0 0 0 1 0 0 1 1 0	Maybe don't!