

Problem C

In the year 3006, almost all of the programming contests are interplanetary and have to be competed in online. All these interplanetary online programming contests are well scheduled. A contest time is defined by two integers s and t . That means that the contest will begin sharply at time s and end before time t . So if a contest ends at 10 and another contest starts at 10. John can participate in both of them.

John is a young talent who is keen on programming contests. For any particular contest, he can pretty accurately estimate the probability that he will win that contest. Given a set of contests, he wants to determine the subset of non-conflicting contests that will maximize his expected number of wins.

You will be given a `String[]` contests. Each element of contests represents a single contest and is formatted as " s t p " (quotes for clarity only), where s , t , and p are all integers. Each contest starts at time s and ends before time t , and John estimates that there is a p percent probability of winning that contest. Return the maximal expected number of contests that John will win if he participates in the optimal subset of non-conflicting contests.

- contests will contain between 1 and 50 elements, inclusive.
- Each element of contests will be formatted as " s t p " (quotes for clarity only), where s , t , and p are all integers with no leading zeros.
- Each s will be between 1 and 1000000000, inclusive.
- Each t will be between 1 and 1000000000, inclusive.
- In each element of contests, s will be less than t .
- Each p will be between 1 and 100, inclusive.

See examples for input/output format.

C.IN

1

4

1 10 100

10 20 100

20 30 100

30 40 100

C.OUT

4.0