

Car Rental Optimization

Timelimit: 1 sec

Problem description

There are reservation for renting cars. Each reservation entails a time interval, in which a car has to be available. Since these intervals overlap, the agency needs more than one car. We assume that the car is available again exactly at the end of a rental period.

Your task is to compute the minimum number of cars needed to service all reservations.

Input

A number n ($n \leq 10^6$) followed by n lines of reservation intervals that consist of the start and end time point of the reservation. A time point is respresented in the format YYYY-MM-DD-hh-mm.

Output

A single number – the minimum number of cars needed.

Sample input/output

Input	Output
5 2022-05-01-14:30 2022-05-02-10:00 2022-05-01-20:00 2022-05-02-20:00 2022-05-01-12:00 2022-05-01-13:00 2022-05-01-11:00 2022-05-01-12:00 2022-05-03-10:00 2022-05-03-20:00	2