Problem: Interval Independent

time limit: 2 seconds

Weighted activity selection problem = independent set for weighted interval graphs.

Given a set of weighted intervals, find a maximum weight independent subset. Two intervals are considered independent if they overlap at most one point.

Format:

The first line is the number of test cases. The first line of each test case is n, n<=100000, and each of the following n lines is the data of an interval. Each interval is given by it left-end, right-end and its weight in this order. The coordinates are at most 10^8, and the weights are at most 100.

測試:

2

4

1 2 50

3 5 20

6 19 100

2 100 200

5

0 30 5

10 20 3

20 50 7

21 40 6

40 50 4

Output

250

13