

Lab3 Evaluation

You are working in a software company. In this company, you get paid 50\$ per task. Each day, you are given some tasks. Each task has a starting time and duration. Your need to determine the maximum amount of money you can earn on that day.

Input

The input consists of a single integer N ($1 \leq N \leq 10^5$), the number of tasks, followed by N lines representing the tasks. Each task is represented by two integers S_i ($0 \leq S_i \leq 24$) and D_i ($0 \leq D_i \leq 24$) the start and duration of the task, respectively.

Output

Output a single integer k , maximum amount of money (in \$) you can earn on that day.

Sample Input/Output:

Sample Input 1	Sample Output 1
6 1 2 2 3 3 4 4 2 6 2 7 2	150\$
Sample Input 2	Sample Output 2
5 1 3 2 3 6 1 4 4 3 3	100\$

Sample Input 3	Sample Output 3
7 0 4 3 1 1 4 9 1 6 3 2 1 1 1	250\$