Bilibili's Railgun

問題描述：

Bilibili(Misaka Mikoto) is a level 5 electro master in academy city. The most famous ability of Bilibili is "railgun". In any day, when Bilibili fires a railgun, she would need 1 unit of electric energy. When Bilibili fire another railgun, she needs additional 2 units of electric energy. So the first railgun costs 1 unit energy, the second railgun costs 3 units energy, the third costs 5 units energy…

A lot of events happen in academy city, each event i would last a period of time $[s_i, e_i]$. Bilibili can fire a railgun in this period of time to defeat the boss. Bilibili wants to use electric energy as less as possible and solve all the event. Can you tell Bilibili the minimum electric energy she would use?

輸入說明：

Input begins with an integer *T(1<=T<=100)*, the number of test case. Each test case would be in the following format.

Line 1 : N : one integers, the number of events. (1<=N<=1000).

Line 2 : s_1 e_1 : two integers, the start time and end time of event 1.

…

Line 2+N-1 : s_N e_N : the start time and end time of event N.

($1<=s_i, e_i<=100$)

輸出說明：

Each test case outputs one line. Output the minimum energy that Bilibili would use.

範例：

Sample Input:	**Sample Output:**

4 3 1 3 1 3 1 3 3 2 3 1 2 1 2 5 2 3 1 2 1 2 3 3 3 3 6 2 3 1 2 1 2 3 3 3 3 2 3	3 3 9 12