CDW

The University of Florida holds a career development workshop where employers come to recruit interns and full time employees for computer science related jobs. Shawn wants to talk to as many companies as possible at CDW, but some companies have way longer lines than others so he asks you to help him out with this task. Given wait-times for companies, values of companies that Shawn assigns to companies, and the time limit for the event, tell Shawn the maximum value he can get out of CDW.

Input

The input begins with one positive integer **50 <= T <= 100** on a line by itself indicating the number of test cases to follow, the two positive integers **10 <= N <= 30** and **10 <= E <= 300**, the number of companies and the event time. The next N lines each contain two integers **10 <= V <= 50** and **10 <= C <= 300**, the value of a company and time in minutes Shawn will spend talking with the recruiter for that company.

Output

Output on a single line the maximum value that Shawn can obtain out of CDW.

Sample Input	**Sample Output**
2 5 100 40 15 30 20 35 22 33 23 10 10 5 10 40 15 30 20 35 22 33 23 10 10	148 10