

12-th Bulgarian National Olympiad in Informatics

May 3 and 6, 1996

Problem 1.

A competitor in the Olympiad in Informatics has made his estimation about how long time (in seconds) he needs to solve each one of the given problems. His goal is to choose several problems, so that he could get the maximal number of points not exceeding the total allowed time to work, that could not be greater than 4 hours.

The first row of the **input** file INPUT1 . TXT contains a positive number for the total time to work. Each one of the next rows contains two integers, separated by a single space. Their meanings are the estimated time and the maximum of points given for the each subsequent problem. The number of rows in the file cannot exceed 1996.

Output file OUTPUT1 . TXT must contain an integer for the greatest possible total score of points.

Source: Matematika i informatika, journal published by Bulgarian Ministry of Education, n. 4, 1996, pp. 53-54.

© The text is translated from Bulgarian by [Emil Kelevedzhiev](#).

[Return](#) to the Home Page of Bulgarian Mathematics and Informatics Competitions.

/P>

Retrieved from <http://www.math.bas.bg/bcmi/noi96.html>.