

12-th Bulgarian National Olympiad in Informatics

May 3 and 6, 1996

Problem 6.

At a competition in Legoland the competitor must build a tower of high H ($1 \leq H \leq 2000$) using N ($1 \leq N \leq H$) legocubes, that he can put one of top of the other. Which sizes of legocubes the competitor should choose so that the total volume of the tower were minimal.

The **input** file INPUT6 . TXT consists of two rows with integers N and H , respectively.

Output file OUTPUT6 . TXT must consist of N rows, each containing an integer showing the size (length of the edge) of the corresponding legocube.

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

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