Objective

For your grandmother's 80th birthday, you are responsible for preparing the gift: a square wooden frame to paste a picture of the star of the evening.

Because your budget is tight, you decide to build the frames in your workshop. You decide to reuse old materials. You have a box full of thin planks of wood of the same thickness and width but of different lengths. Your grandmother won't blame you if the frames aren't all the same size, having said that - she insists that they're square.

You then decide to randomly take 4 boards in the box and cut them, if necessary, in order to build the largest square frame possible.

Note that when you cut a board, you keep the part you are interested in and you throw the second part into the box, you can no longer use it for this frame.

The objective is to determine how many centimetres you need to throw back into the box if you build the largest square frame possible.

Data format

Input

Rows *1* to *4*: an integer between 10 and *1,000* representing to the length of a wooden plank expressed in centimetres.

Output

An integer representing the number of centimetres of wood you throw into the cardboard if you build the largest square frame possible.