Maximum area of rectangle:

rahul wants to draw four line segments on a sheet of paper. He wants the ii-th segment to have its length equal to ai (1=<i<=4). These segments can intersect with each other, and each segment should be either horizontal or vertical.

rahul wants to draw the segments in such a way that they enclose a rectangular space, and the area of that rectangular space should be maximum possible.

For example, if rahul wants to draw four segments with lengths  1,2,3,4 he can do it the following way:

third

1

2

First line seg second line seg

3

Fourth line seg

INPUT: FIRST LINE CONSISTS OF TESTCASES

Second line consists of 4 list of integers

OUTPUT: output a single integer of maximum area of rectangle

Sample case:

Input: 1

1 2 3 4

Output: 3