IUBAT NCPC 2018 MOCK

Finished

THE CONTEST HAS ENDED.

A. Alien Right Angle

Score: 1

CPU: 1s
Memory: 512MB

As a math loving member of ACM (Alien Catastrophe Management) you are always interested about alien geometry and first thing you want to know is how the aliens measure angles (degree, radian or something else) and to be even more specific you want to know what would be measurement of a right angle (90° or $\pi/2$) in Alien angle measurement units. You have come to know from your secret service agents the value of internal angles of some regular n-gons (A regular polygon with n edges) has integer value in their angle measurement unit. From this information you have to find out the possible value of the right angle in their system.

Input

The first line of the input file contains a positive integer **T ($T \leq 5000$)** that denotes the total number of test cases. Each of the next **T** lines describes a single test case. Each line starts with a positive integer **t ($1 \leq t \leq 4$)** which denotes how many regular n-gons should be considered followed by t integers that denotes the number of sides in each of these regular polygons whose internal angles have integer values in alien unit. Number of sides is not less than 3 and never exceeds 10000.

Output

For each set of input, produce one line of output. This line contains an integer or a fraction which is the possible value of right angle measured in alien unit considering the given n-gons. As there is always more than one possible value for right angle, you should display the smallest possible one. If this value is a fraction then numerator and denominator should be separated by a '/' (Front slash) and numerator and denominator should be reduce to co-prime. Be aware of overflows.

Sample

Input	Output
2 4 6 8 10 12 3 3 5 7	30 105/2