

Aspect Ratio

Input file: **standard input**
Output file: **standard output**
Time limit: 0.5 seconds
Memory limit: 100 megabytes

Aspect ratio is the ratio between the width and height of a screen or display and it is expressed using two numbers separated by colon, for example, 16:9. Why is aspect ratio important is because we can have different resolution, yet we can have the similar ratio. If we have a 1920x1080 screen, then we are using the 16:9 aspect ratio. How about 4K (3840x2160)? Well, it is the same aspect ratio 16:9. Thus, this is why we want to have aspect ratio as we wanted to have a standard for the video or photo that we are trying to display to others.

Input

The first line contains the number of test cases. $1 \leq N \leq 5,000$

After the first line, every consecutive line contains the screen resolution, S , for example, 1920x1080, 3840x2160 and so on.

Note that the input value S_W (width of the resolution) and S_H (height of the resolution) will be less than 2^{64} .

Output

The aspect ratio for the given screen resolution.

Examples

standard input	standard output
2 1920x1080 423x423	16:9 1:1
5 1440x2560 2160x1440 1280x799 1200x1920 640x480	16:9 3:2 No 16:10 4:3

Note

The aspect ratio that is used in this question, 1:1, 3:2, 4:3, 16:9 and 16:10.

If the resolution is 1080x1920, the result will be 16:9 also.