How far away from our friends?   X39719_en

Input

The input will be a sequence of friends with their distance and the mean speed, ending with a dot.

Output

The output of the program is the list of friends and the time it takes for the message to arrive to them, ordered from shortest to longest.

Sample input 1	Sample output 1

<pre>Peter 20 1
Jamie 6 3
Eli 20 4
Anna 30 3
.</pre>
	<pre>Jamie 2
	Eli 5
	Anna 10
	Peter 20</pre>

Problem information

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