

Problem F

The Ink Problem

Input : STDIN

Output : STDOUT

Yagami Light is the protagonist of a popular anime show named “Death Note”. In order to prove his ideals to the world, Yagami decided to eradicate every criminal that exists by using his death note (which is a book used to kill people). He plans to use N notes where each note consumes I ink. Initially, He has an ink limit of L. Help him find the maximum number of notes he can write.

IN	$1 \leq N \leq 100$ $1 \leq L \leq 200$ <b>N integers <math>I_0\ I_1\ I_2\ I_3 \dots I_{N-1}</math> ( <math>1 \leq I_j \leq 200</math> ).</b>
OUT	Print the maximum number of notes Yagami can write.

EX 1	INPUT	OUTPUT
	9 190 10 18 71 22 17 180 52 192 99	6

NOTE	<p>Note that the input method specified in the top of this paper is the standard input(stdin). Use these bits of code according to the programming language you are using to be able to read from the stdin.</p> <p>C++:</p> <pre>int myInteger; string myString; cin &gt;&gt; myInteger&gt;&gt; myString; // read an integer then a string</pre> <p>Java (use the following Scanner object):</p> <pre>Scanner sc = new Scanner(System.in); int myInteger = sc.nextInt(); // read an integer String myString = sc.next(); // read a string sc.close();</pre>
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