A pangram is a sentence that contains all the alphabet letters. For instance, The quick brown dog jumps over the lazy fox and the catalan sentence Jove xef, porti whisky amb quinze glacons d’hidrogen are pangrams.

Write a program that prints if determined sentences are pangrams or are not.

Input

Input is a sequence of sentence, each one ended with a dot. Each sentence is formed by letters (uppercase or lowercase), spaces and commas.

Output

For each sentence of the input, print “YES” or “NO” in a line indicating if is a pangram. We consider that letters are characters between ‘a’ and ‘z’ and between ‘A’ and ‘Z’, no mattering if they are uppercase or lowercase letters.

Sample input | Sample output
--- | ---
The quick brown dog jumps over the lazy fox | YES
the quick brown dog jumps OVER the lazy fox . | YES
Jove xef, porti whisky amb dotze glacons d’hidrogen. | NO

Problem information

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