

Subsequence String

Input file: standard input
Output file: standard output
Time limit: 1 second
Memory limit: 256 megabytes

Given String S . Determine if there is a **Subsequence** in S that is **equal to** “hello“ or **not**.

Note: A **subsequence** is a sequence that can be derived from another sequence by deleting some elements without changing the order of the remaining elements.

For example: The list of all **subsequence** for the word "apple" would be "a "ap "al "ae "app "apl "ape "ale "appl "appe "aple "apple "p "pp "pl "pe "ppl "ppe "ple "pple "l "le "e".

Input

Only one line contains a string S ($5 \leq |S| \leq 10^4$) where $|S|$ is the length of the string and it consists of **lowercase** English letters.

Output

Print “**YES**” if there exists an **Subsequence** equal to “hello“ otherwise, print “**NO**”.

Examples

standard input	standard output
ahhelllllloou	YES
hlelo	NO