

J. Anti-Plagiarism

Time Limit: 3 seconds

Problem description

In this task, you are asked to build the first phase of a plagiarism detection software. In this phase, you have to check whether two paragraphs containing ASCII characters (except new line character) are copies of each other? Two paragraphs are considered copies of each other if they contain the same subtext that has length greater than 30% of the length of either original paragraph.

Input:

User uses standard input stream (stdin) to enter two paragraphs (newline character marks the end of each document).

Note that each paragraph has a maximum of 10000 characters.

Output:

The system display “plagiarism” or “no plagiarism”.

Example 1

Input	Output
Plagiarism is representing someone else's work as your own. In educational contexts, there are differing definitions of plagiarism depending on the institution. Plagiarism is considered a violation of academic integrity and a breach of journalistic ethics.	plagiarism
Plagiarism is representing someone else's work as your own, with or without their consent, by incorporating it into your work without full acknowledgement.	

Two above paragraphs are **plagiarism** because the second text has 155 characters and two paragraphs have a common sub string “Plagiarism is representing someone else's work as your own” with a length 58 characters (greater than 30% of 155).

Example 2

Input	Output
<p>Plagiarism is representing someone else's work as your own. In educational contexts, there are differing definitions of plagiarism depending on the institution. Plagiarism is considered a violation of academic integrity and a breach of journalistic ethics.</p> <p>Plagiarism is representing someone else's work as your own, with or without their consent, by incorporating it into your work without full acknowledgement. All published and unpublished material, whether in manuscript, printed or electronic form, is covered under this definition.</p>	no plagiarism

The above two paragraphs are not plagiarism because their longest common substring is "Plagiarism is representing someone else's work as your own" with length 58 characters, shorter than 30% of the length of each original texts (the first paragraph has 256, the second paragraph has 280 characters).