

A **content streaming platform** is developing a **security mechanism** to **periodically transform** encrypted messages for enhanced protection. The system applies the following operations to a **message string (message)** during each interval:

Transformation Process:

1. **Remove the first k characters** from the string message.
2. **Append any k characters** to the **end of the string**.
 - The appended characters can be different from the removed characters.
 - **Both steps must be performed at every interval.**

Objective:

Find the **minimum number of intervals** required for the string message to **return to its original form**.

Input:

- A **string message** (consisting only of lowercase English letters).
- An **integer k**, where $1 \leq k \leq \text{message.length}$.

Output:

- An **integer** representing the **minimum number of intervals** required for the message to return to its original form.

Constraints:

1. $1 \leq \text{message.length} \leq 50$
2. $1 \leq k \leq \text{message.length}$