

Three Strings

Given three strings, you have to find the minimum length of the string that contains all the three strings as substring.

Constraints:

Length of the given strings $\leq 10^5$

Time limit: 1 sec

Input Format:

Three lines containing the three given strings.

Output Format:

Length of the required string.

Example:

Input :

rsrfgrsr

sdtrsr

t

Output:

11