

You receive 2 strings. The input strings consist only uppercase letters.

You task is to find lexicographically minimal string made of those 2 strings. You can take a letter from input string only when it is in the beginning of the string. After you use letter – it is deleted from input string. You need to use all letters.

Example: You received 2 strings: @”ACA” and @”BCF”. The process of making result string is in the table

String1	String2	result
ACA	BCF	
CA	BCF	A
CA	CF	AB
A	CF	ABC
A	CF	ABCA
	F	ABCAC
		ABCACF