

Online Assignment on Pointers and Strings (A1)

Solve the problem below. You have **25 minutes**. After you are done, rename the file containing your source code as your student ID (so, if your student ID is 2005001, the name of your file should be **2005001.c**). Then submit that file to Moodle. Make sure you submit a file containing the source code.

Failure to not follow these instructions will result in penalties.

Problem 1.

Write a C program that takes two strings **a** and **b** as input. Your program verifies whether **a = b^k**, for **k ≥ 1**. Print “Yes” if **a = b^k** and “No” otherwise.

Input	Output
abcdabcdabcdabcd abcd	Yes
abcdabcdabcdabc abcd	No
aaaaaa aa	Yes
abczabcabc abc	No
abc abc	Yes

N.B.

- ★ You *can use* the library function *strlen()*.
- ★ You *can* assume that the provided input will *always* be valid.