

G1 – Dedupe

Redundancy in this world is pointless. Let's get rid of all redundancy. For example AAABB is redundant. Why not just use AB? Given a string, remove all consecutive letters that are the same.

Input

Each data set is a single string. The length of the string is less than 100. Each string only contains uppercase alphabetical letters.

Output

Print the deduped string.

Example

Input:	Output:
ABBBBAACC	ABAC
Input:	Output:
AAAAA	A
Input:	Output:
ABC	ABC