

Introduction

The high school has a scrolling display that can advertise or display any message the administration wants to show. It is five pixels high, so the letters are drawn to fit in that space. The school newspaper has a webcam focused on the display and wants to translate the results into text so they can copy any important announcements.

Input

The input is a single banner string on 5 lines. It consists of letters, numbers and spaces. Each is 5 characters high and 3 characters wide. Letters and numbers are separated by 1 space. Words are separated by 5 spaces.

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Output

The program must print the ASCII string the banner represents.

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CODEWARS 2013 ROCKS
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Characters seen on the banner:

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For your convenience, the above characters can be found in the supplied file **BannerCharacters.txt**.

