

Excel Wizard (100 points)

Introduction

In Excel, all columns are labelled with uppercase letters. After Z, the column name adds a new letter. (So the first 26 columns are A-Z, the next 26 are AA-AZ, etc.) For any given column index, we would like to know the Excel-style name for that column.

Input Specifications

You will be given a single integer $1 \leq N \leq 2^{16}$ to be converted into Excel Column Notation.

Output Specifications

You will output a string representing the Excel Column Notation

Sample Input/Output

Input

34

Output

AH

Explanation

The 34th Excel Column is AH.