





You've seen how software for spreadsheets label their columns, right? They start with, A, B, C... up to X, Y, Z and move on to AA, AB, AC... then BA, BB, BC... until ZZ. Follow AAA, AAB... until ZZZ and so on. Your task is to find out how a given number would be written in this "spreadsheet" form.

## Input

From the first line of the input file <code>excel.in</code> the column number is entered. It is a whole positive number with value at most  $10^{18}\,$ .

## Output

In the output file excel.out print the the answer.

Time limit: 0.1 seconds Memory limit: 256 MB

## **Example**

Input (excel.in)	Output (excel.out)
1	A
2	В
26	Z
27	AA
676	YZ
86635700466847208	WORLDENDSOON