Problem 2: Borderline

A typical spreadsheet has rows and columns. The rows are labeled numerically and the columns are labeled with capital letters of the alphabet, so the first column is labeled A, the second B and so on. When we run out of letters, another letter is introduced. So, for example, the 27th column is denoted by AA, the 28th by AB and so on. Letters are "incremented" and extra letters are added as needed.

Write a program which converts alphabetic column labels into the equivalent column numbers. Your input will be a file consisting of alphabetic strings representing column labels (one per line). You may assume that all input files are formatted correctly.

Sample input #1 (available as file "test2a.dat"):

A B AA AB

Sample output #1:

A = 1B = 2AA = 27AB = 28

Sample input #2 (available as file "test2b.dat"):

Z R ZA

Sample output #2:

Z = 26 R = 18 ZA = 677 Sample input #3 (available as file "test2c.dat"):

JH ZZZ FF

Sample output #3:

JH = 268 ZZZ = 18278 FF = 162