Problem #6: Solver

Problem Description

Write a program which will read in from a file named "C\SOLVER.DAT" (to be supplied by the judges) sets of possibly nonlinear equations to be solved. Each equation will be either of the form

\[ A=n \]

or

\[ A=B\times C \]

where \( A, B, \) and \( C \) are variables, \( n \) is a floating-point number, and \( \$ \) may be +, -, *, or /. The only variable names used will be capital letters \( A \) through \( I \). Each set of equations is followed by a blank line. Stop at end of file. Each equation starts in column 1 and contains no embedded blanks. Display all variables and their values.

Turn in a disk with either \( \text{\textbackslash SOLVER.C} \) or \( \text{\textbackslash SOLVER.PAS} \) on it.

Sample Input

(two sets of data in the file):

\[ A=B\times C \]
\[ B=2.5 \]
\[ A=10.0 \]

\[ A=B\times C \]
\[ B=2.5 \]
\[ C=3.0 \]
\[ A=10.0 \]

Sample Output:

\[ A=10.0 \]
\[ B=2.5 \]
\[ C=4.0 \]

NO SOLUTION