

Safe Range
Input File: SafeRangeIn.txt

Breanne just purchased a new car. She is planning a trip and would like to know the car's "safe" range. That is, beginning with a full tank of gas how far can she travel *and* still have one gallon of gas left in the car's tank. Write a program to perform this calculation for her using the EPA's estimate of Breanne's car's average miles per gallon, and the actual capacity of the car's fuel tank.

Inputs

There will be one line of input that contains two numbers. The first will be the EPA's estimate of the car's average miles per gallon, and the second will be the capacity of the car's fuel tank in gallons.

Outputs

There will be one line of output containing the two input numbers followed by the car's range. The output line should be annotated *exactly* as shown below. If a numeric output is an integer, you may output it with or without a trailing zero (e.g., 570 or 570.0).

Sample inputs

28.5 21.0

Sample output

MPG = 28.5; Fuel capacity = 21.0; gallons; Range = 570.0