

## Problem of the Week Problem C Positively Perfect Prime Products

A *prime* number is any number that has exactly two positive integer factors, 1 and the number itself. A *composite* number has more than two positive integer factors. The number 1 is neither prime nor composite.

Four distinct prime numbers have a product of d10: a three-digit number with hundreds digit d. Determine all possible values of the sum of these four prime numbers.





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