

Problema săptămânii 339

Un triplet de numere naturale nenule (a, b, c) se numește *brazilian* dacă

$$a \mid bc + 1, \quad b \mid ac + 1, \quad c \mid ab + 1.$$

Determinați toate tripletele braziliene.

Problem of the week no. 339

A triple of positive integers (a, b, c) is *brazilian* if

$$a \mid bc + 1, \quad b \mid ac + 1, \quad c \mid ab + 1.$$

Determine all the brazilian triples.