



February Mathematics Competition Problem

Show that it is not possible to find 2006 odd numbers a_1, \dots, a_{2006} that satisfy the equation

$$\frac{1}{a_1} + \frac{1}{a_2} + \dots + \frac{1}{a_{2006}} = 1$$

Solutions must be submitted to Dr. Raymond Viglione, in person at B-120C or via email: rviglion@kean.edu. Deadline for submissions: February 28. First prize: \$50, second prize: \$25. Submissions will be judged on correctness, clarity, and elegance.