Bilkent University
Department of Mathematics

Problem Of The Month

Term: September 2012

Find the maximal possible value of the real number T such that for all positive real numbers a, b, c satisfying $abc = 1$ we have

$$\frac{a+b}{ab+a+b} + \frac{b+c}{bc+b+c} + \frac{c+a}{ca+c+a} \geq T$$