

Proposed solution to problem 66, Junior Problems, vol.6 issue 2

Let x, y, z be real numbers in the interval $[\frac{1}{2}, 2]$. Find the maximum and minimum possible values of the function

$$f(x, y, z) = \frac{x}{yz + 1} + \frac{y}{zx + 1} + \frac{z}{xy + 1}$$