From Tom O’Neil:

Find the minimum value of the quantity

\[(r - 1)^2 + \left(\frac{s}{r} - 1\right)^2 + \left(\frac{t}{s} - 1\right)^2 + \left(\frac{4}{t} - 1\right)^2\]

where \(r, s, t\) are real numbers such that \(1 \leq r \leq s \leq t \leq 4\).

Solutions should be submitted to Morgan Sherman:

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Email: sherman1 -AT- calpoly.edu
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before the due date above. Those with correct and complete solutions will have their names listed on the puzzle’s web site (see below) as well as in next week’s email announcement. Anybody is welcome to make a submission.

http://www.calpoly.edu/~sherman1/puzzleoftheweek