

Problem 6 (due Monday, November 23)

Let $f(x)$ be a polynomial with real coefficients such that $f(x) - 2f'(x) + f''(x) > 0$ for all x . Prove that $f(x) > 0$ for all x .

Only one solution was received, from Yuqiao Huang. His solution is close to our solution, which is contained in the following link [Solution](#)

From:

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<http://www2.math.binghamton.edu/p/pow/problem6f20>

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