ACOL 202: Discrete Mathematical Structures Lecture 1 (14th Jan) Course boliey 3 Quizzes (best 2/3)

Course peopage 3 Exams

Character once daily)

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Created with all of the property of the contents of Claim: For every non-negative integer n, (n2+n+41) is False. Consider n=41. 412+41+41 = 41 (41+1+1) You may also try to write this as a perfect square. $n^2 + n + 40 + 1 = n^2 + C[\frac{40}{12}] + 12 + Docerning of n = 40, this becomes <math>(40+1)^2$. Claim $\sqrt{2}$ is irrational.

By contradiction Suppose $\sqrt{2}$ is rational. $\sqrt{2} = \frac{p}{q}$ (in its simplest form/lowest terms

