

Discrete

EE1205 : Signals and Systems
Indian Institute of Technology Hyderabad

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I. QUESTION 11.9.5 (18)

If a and b are the roots of $x^2 - 3x + p = 0$ and c, d are roots of $x^2 - 12x + q = 0$ where a, b, c, d form a G.P. Prove that $(q + p) : (q - p) = 17:15$.