

ACT Test Outline

Math

 60 Minutes



60 Questions

Preparing for Higher Mathematics (57%-60%)

Integrating Essential Skills (40%-43%)

English

 45 Minutes



75 Questions

Production of Writing (29%-32%)

Knowledge of Language (15%-17%)

Conventions of Standard English (52%-55%)

Reading

 35 Minutes



40 Questions

Key Ideas and Details (52%-60%)

Craft and Structure (25%-30%)

Integration of Knowledge and Ideas (13%-23%)

Science

 35 Minutes



40 Questions

Interpretation of Data (40%-50%)

Scientific Investigation (20%-30%)

Evaluation of Models, Inferences,
and Experimental Results (25%-35%)

Writing

 40 Minutes



1 Essay

Act Practice This Week

David Kirk

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web in computing a linear feedback shift register lfsr is a shift register whose input bit is a linear function of its previous state the most commonly used linear function of single bits is exclusive or xor thus an lfsr is most often a shift register whose input bit is driven by the xor of some bits of the overall shift register value

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web feb 17 2013 the berlekamp massey algorithm is an iterative algorithm that solves the following problem given a sequence s0 s1 s2 s0 s1 s2 of elements of a field find the shortest linear feedback shift register lfsr that generates this sequence here lfsr is a linear array of n n elements with initial value