

SOLUTIONS OF THE PROBLEMS AND RIDERS

PROPOSED

IN THE SENATE-HOUSE EXAMINATION

FOR 1854.

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BY  
THE MODERATORS AND EXAMINERS.

WITH AN APPENDIX  
CONTAINING THE EXAMINATION PAPERS IN FULL.

"It is good to vary and intermingle asking of questions with telling of opinions."  
BACON.

Cambridge:  
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1854.

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## P R E F A C E.

THE Moderators and Examiners have been induced to publish the present volume, mainly on the following account.

The value of a problem frequently depends in great measure upon its illustrating clearly some general principle or exemplifying some analytical process; and thus a solution, which is as it were forced out, and which misses the method designed, is worth little in point of the instruction it affords.

It is hardly possible for any but the framers of the questions to produce a complete series of solutions, shewing the method which they wished the student to pursue.

In the present instance the writers have availed themselves of their opportunities of inspecting the answers returned by the candidates for honours, and have appended to their own solutions some of the more striking of those which were submitted to them.

*Cambridge, Oct. 1854.*