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Electrical-engineering and electronic-engineering students have frequently to resolve and simplify quite complex circuits in order to understand them or to obtain numerical results and a sound knowledge of

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basic circuit theory is therefore essential. The author is very much in favour of tutorials and the solving of problems as a method of education. Experience shows that many engineering students encounter difficulties when they first apply their theoretical knowledge to practical problems. Over a period of about twenty years the author has collected a large number of problems on electric circuits while giving lectures to students attending the first two post-intermediate years of University engineering courses. The purpose of this book is to present these problems (a total of 365) together with many solutions (some problems, with answers, given at the end of each Chapter, are left as student exercises) in the hope that they will prove of value to other teachers and students. Solutions are separated from the problems so that they will not be seen by accident. The answer is given at the end of each problem, however, for convenience. Parts of the book are based on the author's previous work *Electrical Engineering Problems with Solutions* which was published in 1954.

Annotation Companion book to *Electrical Engineering License Review*. Here the end-of-chapter problems have been repeated and detailed Step-by-Step solutions are provided. Also included is a sample exam (same as 35X below), with detailed step-by-step solutions. 100% Problems and Solutions.

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Excerpt from Electrical Problems for Engineering Students "Electrical Problems" has been written in the belief that there is a field and should be a demand for this class of textbook. In physical science generally, and especially in engineering, knowledge is of use only so far as we are able to calculate numerical results, and ability to obtain such results quickly and accurately is to be obtained only by extensive practice. Then, too, the ordinary mind arrives at a clear conception of general principles only by the way of concrete examples. To the average student mathematical formulæ are vague and uninviting until he has himself made practical application of them. For some years the students of electrical engineering in Tufts College have been largely exercised in the solution of numerical problems, and both the experience of the instructors and the testimony of the students themselves clearly indicate the value of such work in rendering clear and precise their views of electrical phenomena. Especially valuable in clarifying the students conceptions of physical relations are those problems whose answers appear in the form of curves, showing the effects of varying the quantities

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involved. Most of the problems in this book have already been presented to the electrical classes in Tufts College. Nevertheless, among so large a number it is probable that errors, especially in the answers, remain to be corrected. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

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