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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.

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Massachusetts Institute of Technology Department of Electrical Engineering and Computer Science 6.061/6.690 Introduction to Power Systems Problem Set 10 Solutions April 22, 2011 Chapter 9, Problems 2, 3 and 4 The equivalent circuit for this machine is shown in Figure 1.

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Electrical Power System Problems and Solutions Problem Description Duration Cause Effect Possible Solution Momentary Interruption Very short planned or accidental power loss 0.5 cycles to 3 sec Switching Operations attempting to isolate electrical problem and maintain power to your area Equipment trips off Programming is lost

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