##C415582: MAJOR ELECTRICAL ENGINEERING

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which performs feasible unit commitment algorithm An problem large-scale energy system is presented. The unit of commitment solution method consists of creating a priority list full-load average production cost of generation units, ofthe dynamic programing technique and then an algorithm needed to minimize the total production cost is calculated in a relative forward approach. After the unit commitment solutions straight been found. the economic loaddispatch is calculated. have Results ofthe final unit commitment solutions of large-scale system show great deal of the total production cost energy \mathbf{a} base case Newton Rapson fast decouple load flow reduction over basic economic load dispatch solutions. Several examples and orresults ofthe computer program (written in TURBO PASCAL and for use on microcomputer) are given at the end of this thesis.