

Problem 4-4

- (a) Removal of snubber does not change the simulation time. However, in many simulations, it can lead to very large increase in the execution times. For example, at light loads (make $R_{LOAD} = 10.0 \Omega$) where the inductor current becomes discontinuous, there is a very large increase in the execution time.
- (b) Convergence problems at $10 \mu s$.
- (c) With the suggested changes, even the case with a discontinuous inductor current (and the R-C Snubber removed) executes normally.
- (d) convergence problems at $10 \mu s$.