

Problem 1: Solve Spring 2012 Final Exam Problem 3, in which pipeline execution diagrams are requested for some superscalar systems.

See the Spring 2012 Final Exam solution at http://www.ece.lsu.edu/ee4720/2012/fe_sol.pdf.

Problem 2: Solve Spring 2012 Final Exam Problem 6 (d) and (e). (Just those two.) These questions concern the techniques of widening (superscalar designs) and deepening (more pipeline stages) our implementation to exploit more instruction-level parallelism.

See the Spring 2012 Final Exam solution at http://www.ece.lsu.edu/ee4720/2012/fe_sol.pdf.

Problem 3: Solve Spring 2012 Final Exam Problem 4, which asks for performance information about some branch predictors.

See the Spring 2012 Final Exam solution at http://www.ece.lsu.edu/ee4720/2012/fe_sol.pdf.