

COE 405, Term 021

Design & Modeling of Digital Systems

HW# 3

Due date: Saturday, Nov. 2, 2002

Q.1. 4.2

Q.2. 4.6

Q.3. 4.14

Q.4. We can use a signal assignment with inertial delay to remove pulses that are smaller than a certain width. Using only signal assignments and using signal y as the source, generate signal x such that this new signal is a delayed copy of y (delayed by w ns) unless there are pulses on y that are greater than w ns. Pulses longer than w ns are trimmed and do not appear on x .