

Lab 4 Prelab

Read through the Timing Considerations tutorial and answer the questions below. You are not required to use the lab machines; the purpose of this prelab is to get acquainted with some of the Timing features in Quartus II using Altera's DE-2 Board. However it may be helpful to you to run through the examples provided in the tutorials to make the lab exercises go more smoothly.

1. Why might a specified f_{max} (referring to clock frequency) not be achievable?
2. According to the tutorial, what is the first step in changing constraints on f_{max} ?
3. What does the term "slack" mean?