

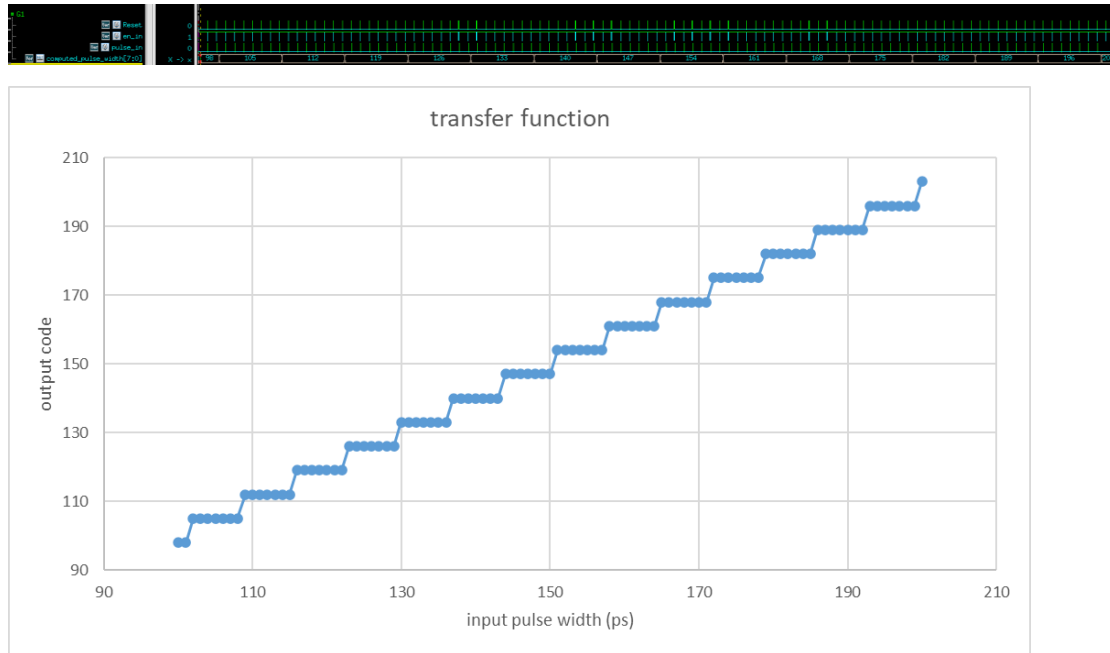
# Timing Circuit

## Homework 3

(d)

For transfer function, we test input pulse width in range [100, 200] with step=1ps.

As we can see in the transfer function, the time resolution of our design is **7 ps**.



(e)

Since we use cell-based design, we can't simulate how noise effect the output.

Therefore, we get 10 same results in this part.

Output code = 147

