2021 Digital IC Design Homework 4

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| NAME | |  | | | | | | |
| Student ID | |  | | | | | | |
| **Simulation Result** | | | | | | | | |
| Functional simulation | Pass/  Fail | | Gate-level simulation | Pass/  Fail | | | Gate-level simulation time | simulation time (ns) |
| (your pre-sim result) | | | | | | (your post-sim result) | | |
| **Synthesis Result** | | | | | | | | |
| Total logic elements | | | | |  | | | |
| Total memory bit | | | | |  | | | |
| Embedded multiplier 9-bit element | | | | |  | | | |
| Clock width (Cycle) | | | | |  | | | |
| (your flow summary) | | | | | | | | |
| **Description of your design** | | | | | | | | |
|  | | | | | | | | |

*Scoring = (Total logic elements + total memory bit + 9\*embedded multiplier 9-bit element) (longest gate-level simulation time in ns)*