2020 Digital IC Design Hom

| 2020 Digital IC Design Homework 3: Approximate Average | | | | | | |
|---|-----------|-----------------------|---|------------------------|----------------------------|--------|
| NAME | 方嘉祥 | | | | | |
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| Simulation Result | | | | | | |
| Functional simulation | Pass | Gate-level simulation | P | ass | Gate-level simulation time | 240480 |
| # | | | | | | |
| Total logic elements | | | | 2,246 / 68,416 (3 %) | | |
| Total memory bit | | | | 0 / 1,152,000 (0 %) | | |
| Embedded multiplier 9-bit element | | | | 0/300(0%) | | |
| Flow Status | | | | | | |
| Description of your design | | | | | | |
| 我使用 reg 儲存之前八次的輸入 X ,加上本次輸入的 X ,計算出 Y 值, Y 值 的計算我放在 combination 的部分,另外存每筆輸入 X 與平均的差值。 | | | | | | |

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