2025 Digital IC Design Homework 1

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Functional Simulation Result							
Stage 1	Pass	Stage 2	Pass	Stage 3	Pass	Stage 4	Pass

Stage 1

------------- Stage1: Comparator2 Pass ! -------------

Stage 2

------------- Stage2: MedianFinder_3num Pass ! -------------

Stage 3

------------- Stage3: MedianFinder_5num Pass ! -------------

Stage 4

------------- Stage4: MedianFinder_7num Pass ! -------------

Description of your design

我的思路非常簡單，既然一定要用到 Comparators，我就先用七個 Comparators 來把前六個數最大和最小的值篩掉，這樣一定不會篩掉七個數的中位數。最後用 MedianFinder_5num 把中間五個值的中位數找出來。