## 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。								
	num1 4 num2 4 num3 4 num4 4	Comparator2  B max  A min  Comparator2  Comparator2	num5 A A Compar	A min Comparator2 B max ator2 max A min Comparator2 B max		nFinder_ uum	4 median	