2023 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								
#Stage 1 : Maximum selection with 4-input MMS # #Stage 1 : Pass!								
Stage 2								
#Stage 2 : Minimum selection with 4-input MMS #Stage 2 : Pass!								
#	Sta		ximum sel	ection with	n 8-input M	MS		
Stage 4								
#	Sta		nimum se	lection wit	th 8-input	MMS		
Description of your design								
number3)	的最大值	,之後再對	野那2個1	·取得(numl reg 再比大/ number1), (r	小,較大的	傳給 max	。同理,	

之後對那2個 reg 再比大小,小的再傳給 min。最後看 select 是0或1,0的

話 result = max , 1 的話 result = min。

MMS_8num 則是呼叫兩次 MMS_4num,最後再對兩個 MMS_4num 的 result 比大小。若 select 為 0, result = max, 若 select 為 1, result = min。