2022 Digital IC Design Final Project

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	Functiona	l Simulation I	Result of LZ	77 Encoder		
Testing Pattern 0	Pass	Testing Pattern 1	Pass	Testing Pattern 2	Pass	
# cycle 1d052, ex # cycle 1d075, ex # cycle 1d076, ex # cycle 1d000, ex # cycle 1d007, ex # cycle 1d110, ex # cycle 1d136, ex # cycle 1d13c, ex #		(00,00,2) >> Pass (11,01,a) >> Pass (13,01,8) >> Pass (13,01,5) >> Pass (15,01,5) >> Pass (17,01,4) >> Pass (19,02,7) >> Pass (00,02,0) >> Pass (00,00,\$) >> Pass		b_Encoder.sv(285)		
	Functiona	ıl Simulation 1	Result of LZ	77 Decoder		
Testing	Pass	Testing	Pass	Testing	Pass	
Pattern 0		Pattern 1		Pattern 2	1 400	
# cycle 02002, # cycle 02003, # cycle 02004, #	lation finished,	>> Pass >> Pass hed, ALL PASS	en out C HW/final_proje	ect/file/tb_Decoder oder	r.sv(376)	
_	0	uality of Inter	nolated Resi	ılts		
Testing	19.47	Testing	23.00	Testing		
Pattern 0		Pattern 1		Pattern 2	22.67	
		Description o	f your design	1		
先從測資將	Odd part 讀入	並直接寫入R	esult Image N	Memory,再來行	上 是一邊一	

先從測資將 Odd part 讀入並直接寫入 Result Image Memory,再來從最左邊一次從 Odd part 讀上下共 6 個值存入暫存器來計算 Even part(邊緣讀兩個就直接算),每移動一個單位,這六個暫存器就會向左平移,所以讀好六個值後,之後每次要讀兩個做平移,再利用 3 個 assign 來計算三個 min 值,再從那六個暫存器找最小位置的兩個出來除 2。

Scoring = Pattern 0 PSNR + Pattern 1 PSNR + Pattern 2 PSNR The higher, the better.