2021 Digital IC Design Homework 1

2021 Digital IC Design Homework 1								
NAME	楊承翰							
Student ID NE6091124								
Simulation Result								
Functional		Gate-level			Gate-level			
simulation	none	simulation	nc	ne	simulation time	none		
# 492 data is correct # 493 data is correct # 495 data is correct # 495 data is correct # 495 data is correct # 497 data is correct # 499 data is correct # 499 data is correct # 590 data is correct # 501 data is correct # 502 data is correct # 503 data is correct # 503 data is correct # 503 data is correct # 505 data is correct # 506 data is correct # 508 data is correct # 508 data is correct # 510 data is correct # 510 data is correct # 510 data is correct # 511 data is correct # 512 data is correct # 513 data is correct # 514 data is correct # 515 data is correct # 516 data is correct # 517 data is correct # 518 data is correct # 519 data is correct # 510 data is correct				ne 45	490 data is correct 494 data is correct 495 data is correct 495 data is correct 495 data is correct 495 data is correct 496 data is correct 496 data is correct 590 data is correct	ly! 4/Desktop/DIC/hwl/file/postsim/RCA_tb.v line 45		
Synthesis Result								
Total logic elements				10				
Total memory bit				0				
Embedded multiplier 9-bit element				0				
Clock Width (Cycle)				10				
Flow Summary								
				Successful - Sat Apr 03 19:17:46 2021				
Quartus II 64-Bit Version			13	13.0.1 Build 232 06/12/2013 SP 1 SJ Web Edition				
Revision Name			R	RCA				
Top-level Entity Name			R	RCA				
Family				Cyclone II				
Device				EP2C70F896C8				
Timing Models				Final				
Total logic elements			10	10 / 68,416 (< 1 %)				
Total combinational functions			10	10 / 68,416 (< 1 %)				
Dedicated logic registers			0	0 / 68,416 (0 %)				
Total registers			0	0				
Total pins			14	14/622(2%)				
Total virtual pins			0	0				
Total memory bits				0 / 1,152,000 (0 %)				
Embedded Multiplier 9-bit elements				0 / 300 (0 %)				
Total PLLs			0	/4(0 %)			
Description of your design								

按照 pdf 的說明						
分別寫好 half-adder, full-adder, ripple-carry-adder						