CMPE-250 Laboratory Exercise 9 Serial I/O Driver

By submitting this report, I attest that its contents are wholly my individual writing about this exercise and that they reflect the submitted code. I further acknowledge that permitted collaboration for this exercise consists only of discussions of concepts with course staff and fellow students; however, other than code provided by the instructor for this exercise, all code was developed by me.

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Lab Section 2

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Lecture Section 01

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Status: In=0x1FFFE103 Out=0x1FFFE103 Num=04 Type a queue command (D, E, H, P, S):d In=0x1FFFE103 Out=0x1FFFE100 Num=03 Type a queue command (D, E, H, P, S):d e: In=0x1FFFE103 Out=0x1FFFE101 Num=02 Type a queue command (D,E,H,P,S):d e: In=0x1FFFE103 Out=0x1FFFE102 Num=01 Type a queue command (D, E, H, P, S):d e: In=0x1FFFE103 Out=0x1FFFE103 Num=00 Type a queue command (D,E,H,P,S):d Failure: In=0x1FFFE103 Out=0x1FFFE103 Num=00 Type a queue command (D,E,H,P,S):d Failure: In=0x1FFFE103 Out=0x1FFFE103 Num=00 Type a queue command (D, E, H, P, S): Type a queue command (D,E,H,P,S):e Character to enqueue:a Success: In=0x1FFFE101 Out=0x1FFFE100 Num=01 Type a queue command (D,E,H,P,S):e Character to enqueue:a Success: In=0x1FFFE102 Out=0x1FFFE100 Num=02 Type a queue command (D, E, H, P, S):e Character to enqueue:a Success: In=0x1FFFE103 Out=0x1FFFE100 Num=03 Type a queue command (D,E,H,P,S):e Character to enqueue:a Success: In=0x1FFFE100 Out=0x1FFFE100 Num=04 Type a queue command (D,E,H,P,S):p >a a a a < Type a queue command (D, E, H, P, S):d a: In=0x1FFFE100 Out=0x1FFFE101 Num=03 Type a queue command (D,E,H,P,S):d a: In=0x1FFFE100 Out=0x1FFFE102 Type a queue command (D, E, H, P, S):p Type a queue command (D, E, H, P, S):h d (dequeue), e (enqueue), h (help), p (print), s (status) Type a queue command (D,E,H,P,S):s Status: In=0x1FFFE100 Out=0x1FFFE102 Num=02 Type a queue command (D,E,H,P,S):

Memory Ranges:

Executable Code: Start- 0x00000410 End-0x00001478 UART0 ISR Code: Start-0x00000775 End-0x00000833 Constants in ROM: Start- 0x000001fc End-0x00000022c

RAM: Start- 0x1fffe100 End-0x1fffe278