Nick Harris

CPE 301

9/22/19

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; Harrin2\_Assign1B.asm

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; Replace with your application code

start:

lds r20, 0x02

lds r21, 0x00

ldi r22, 5

ldi r23, 255

ldi r24, 5

L1: cp r22, r23

brne D1

D1: cp r22, r24

brne D2

st X, r22

sts 0x300, X+

adiw r24, 5

inc r22

jmp L1

D2: st X, r22

sts 0x500, X+

inc r22

jmp L1