Jacob Levine

ELC 411

HW4

9/24/17

2.

1. F1D3B597

2. FFDFBF9F

3. E0C0A08

4. 01030507

5. 0000980

6. 01234567

7. F0F0F0F0

8. EFCDAB88

4. MUL {r4,} r3, r2

ADD {r4,} r4, r3

SUB{r1,} r4,r1

6. MUL {r2,} r0, r0

MUL {r2,} r2, r0

MUL {r2,} r2, #3

MUL {r3,} r0, r0

MUL{r3,} r3, #7

MUL{r0,} r0, #10

SUB{r1,} r2, r3

ADD{r1,} r1, r0

SUB{r1,}, r1, #11

10.

AND {r1,} r0, #oxff000000

LSR r1, #24

AND {r2,} r0, #oxff000000

LSR r2, #8

AND {r3,} r0, #oxff000000

LSL r3, #8

LSL r0, #24

AND{r0,} r0, r1

AND{r0,} r0, r2

AND{r0,} r0, r3

1.

A. 79CDA3FD0AEB2C1A, 1A2CEB0DFDA3CD79

B. r0 is unchanged, r1 is 79CDA3FD

r1 gets the original r0 (0DEB2C1A), r0 is now 79CDA3FD

r1 and r0 are both 79CDA3FD

3.

|  |  |
| --- | --- |
| 0x20008015 | 12 |
| 0x20008014 | 34 |
| 0x20008013 | 56 |
| 0x20008012 | 78 |
| 0x20008011 | 12 |
| 0x20008010 | 34 |
| 0x20008009 | 56 |
| 0x20008008 | 78 |
| 0x20008007 | 00 |
| 0x20008006 | 00 |
| 0x20008005 | 00 |
| 0x20008004 | 00 |
| 0x20008003 | 12 |
| 0x20008002 | 34 |
| 0x20008001 | 56 |
| 0x20008000 | 78 |

5.

1. 0x80000043

2. 0x800032C3

3. 0x000000C3

4. 0x0000B2C3