**Assignment 4**

**2.7**

Abcdef12hex

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | 1 | 2 |
| 1010 | 1011 | 1100 | 1101 | 1110 | 1111 | 0001 | 0010 |

2147483648

+25687012

+134217728

+33554432

+16777216

+838868608

+4194304

+524288

+262144

+65536

+32768

+16384

+8192

+2048

+1024

+512

+256

+16

+2\_\_\_\_\_\_\_\_

2882400018

**2.9**

Array A is X6

F is X0

X9 = A[0] + 8

X10 = A[0] + 0

X9 = X10

F = X9 + X10

**2.16**

LDURS R3, [R12,#4]

7C2hex 0 4 12 3

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 7hex | Chex | 2hex | 0 | 4 | 12 | 3 |
| 3 bits | 4 bits | 4 bits | 5 bits | 6 bits | 5 bits | 5 bits |
| 111 | 1100 | 0010 | 00000 | 000100 | 01100 | 00011 |