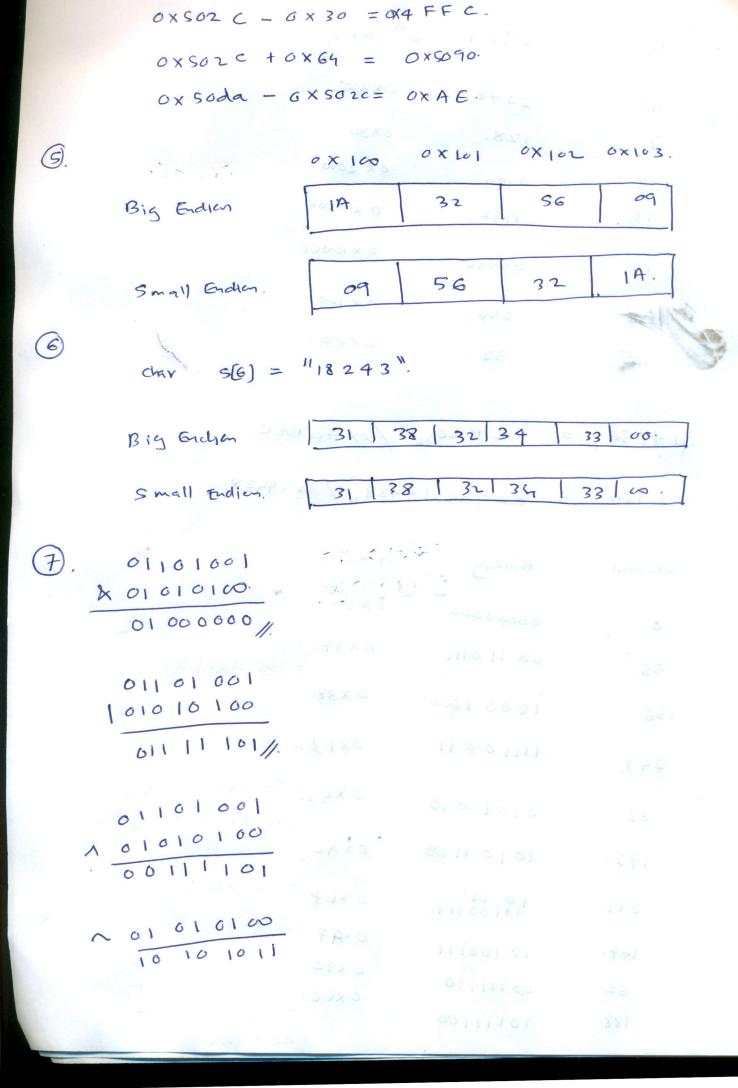
| ①. | n. | 2 1 (24) | 2" (Hexa). |
|----|----------|----------|-------------|
| | | | 5x0. = 19x0 |
| | η | 2048 | OX8CO. |
| | 7 ENX | 128. | 0×80. |
| | | | 0 x 2000. |
| | 13. | 8192. | |
| | 13. | 8192 | 0 x 2000 |
| | | 00530 | 6 × 10000 |
| | 16 | 69536. | |
| | | 4 5 0 5 | 0 × 100. |
| | 8 | 256. | 8 X (00 |
| | | | 0×20. |
| | . 5 | 32. | |

2.
$$314156_{10} = 4CB2C_{16}$$
 / $0 \times 4CB2C$.
 $82984_{10} = 114428_{16}$ / 0×14428 .

| 3. | Decimal | - Binary | 101010 | 1001010 |
|----|---------|------------|----------|--------------|
| | 0 | 0000 8000 | 0 × 00. | |
| | 55. | 60 11 6111 | 0 X 3 7 | 1001010 |
| | 136. | 1000 1600. | O x 88. | 00 P 01 0101 |
| | 243. | 11110011 | oxF3. | 101 11 110 |
| | 82. | 010120210 | 0 X S 2. | 10010110 |
| | 172. | 10101100 | OXAC | 10111100 |
| | 231 | 11100111. | o xet | C-131318 |
| | 167. | 10100111 | OXAT | 11010101 |
| | 62 | 00111110 | 0 x 3 C | |

10111100

188.



0x502 C + 0x8 = 0x5034,

4

```
Blue | Red. = 001 | 100 = 101 (mgenta)
   Magenta & Cyan = 101 & 011 = 001 (Blue).
   Crean 1 Wmte = 0100 1111 =
                                   101 (magnita)
    ~0×38 =~ 11 1000 = 00 0111 = 0× 07/
        or = ~ 0011 1000 = 1100 0111 = 0x c7/
    ~6x00 = ~ 6000 0000 = 1111 1111
    0xFA & 0x12 = 1111 1010 4 0001 0010 = 0001 0010.
     0×93 0×95 = 16010011 | 10016101 = 10010001
                                 = 0x91/1.
    X x 1002.
(10)
     x & 1000 00 11 X & 10.
        10000
   (X 1 ~OXFF), or. (X 1 FF FF FF OO)
     (X 1 GXFF)/
     (X & ~OXFF) / CI (X & FF FF FF CO) /1.
```

1-6 1111

| | X | X < | C3. | n > | フィ | 27 | 72. |
|----------------------|-----------|-----------|----------------|-----------|-------|-------------------------|------|
| lex | BM | BM | Hex | Bin | He> | Br | Hex |
| OXFO OXOF OXCC | 1111 0000 | 0111 1000 | 0x8 0. 0x78 | 0011 0011 | | 1111 1100 1111 00 11 | OXFC |
| 0 X55. | 0101 0101 | 10101000 | OXA8. | 000 10101 | 0X15. | 0001 0101 | OXIS |

| × | | 11 1111 = - 0000 05 | المراج مرا |
|------|---------|---------------------------|-----------------|
| Hex | Binary. | B2U4 (X) | 132T4(X), |
| A do | 1010. | 23+21=10. | -23+21=-6 |
| 0 | 0000 | =0 | = 0 |
| 3 | 0011 | $2^{1}+2^{2}=3$ $2^{3}=8$ | $-2^3 = -8.$ |
| C | 1100 | 23+22=12. | -23+22 = -4. |
| F | 1111 | 23+22+21+2=15. | -23+22 n/ti =-1 |

| (19). | | T2U4 (x) | |
|-------|-----|-------------|-------------|
| | -8. | 1000 => 8. | X \ VOXEE) |
| | -6. | 1010 > 10. | |
| | -4. | 1900 =) 12. | MAXXVX |
| | 71 | 1711315X X | (X & VCKEE) |
| | 0 | 0000 =) 0 | |
| | 3 | 1011 =) 3 | |

| (13) | * | U274 (X) |
|------|-----|-------------|
| | 0 | 000020. |
| 1 | 7 | 0111 => 7. |
| | 8 | 1000 => -8. |
| | 9 | 1001 => -7 |
| | 14 | 1110 =>-2. |
| | 15. | 1111 => -1 |

| | Decima) | Itx | Binary. |
|----|---------|----------------|--|
| x | 15 214. | 0x386 E | 001110110110 |
| ix | 15214 | 0 x0000386 E | 0000 0000 0000 0000 0 DIII 0 11 0 11 0 1 |
| 7 | -15214 | ex c492 | 11000 100 100 100 10. |
| iy | -15214. | OXFFFF CA92 | 1111 1111 1111 1100 0100 1001 0010. |
| | | 3 ₀ | 22 2016 |

| lex | | | igned | | |
|---------|---------|----------|-----------|----------|---------|
| origund | Runcard | Original | Truncated | Original | Truncak |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 3 | 3 | 3 | 3 | 0 |
| 8 | 0 | 8 | 0 | -6 | 2 |
| A | 2 | lo | 2 | | -1 |
| F | 7 | 15 | 7 | 1 -1 | -1. |

(6). Can have more than one correct anwser, give full marks far any correct anwser.

int lower-bits (mtz ,mtn)?

int mask;

mask = -1 >> (32-n);

return (x & mask);