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3.1)

6^{1296} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^{14} = 6^
                                                       2×1296 + 4×216+5×36+3×6+1×1
  6 = 36
6 = 6
6 = 1
                                                                     2592 + 864+180+18+1 = 3655
                                               3,2
                                                                                                                         16 16 16 16°
                                                                                                                                           7096 256 16 1
212 28 29 2°
 162:4096 28
162=256 2=4
16'= 16 2'= 2
16°= 1 2°= 1
                                                                                3.3 a) 4 = + 4 184 = 78
16 × 9 10' 4 × 18 6° 15 + 46
                                                                                                                    (4 \times 16') + (14 \times 16')

64 + 14 = 78
                                                                                                                                                                                                                                                                               × 13

18

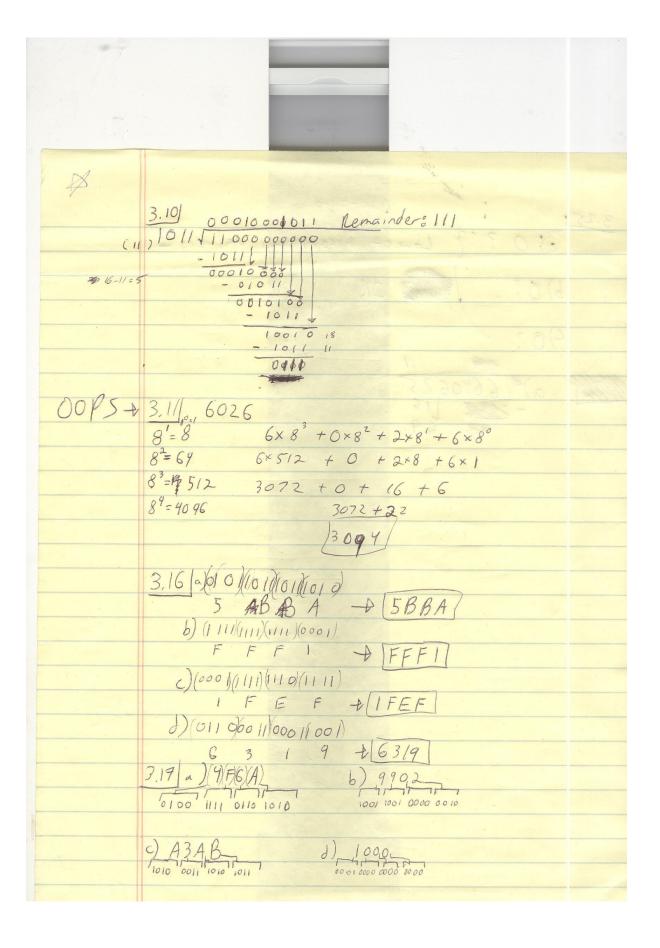
130

208
     +256
                                                                                  768
                                                                                                                                                                                                                                                                                                                                                      × 256
                                                                                 (3×163) + (13×162) + (7×16)+(0×60)
(3×4696) + (13×256)+(2×16)+(0×1)
                                                                                     12288 + 3328 + 112 +0 + 15,728
```

10 11 12, 13 14 15 16	
0 10 0 0 0 0 0 0 0 0	
0 0 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-
101123456789 4BC DEF 10	
2 0 2 4 6 8 A C E 10 12 14 16 18 14 1C LIE 20	1786363
3 0 3 6 9 C F 12 15 18 18 18 12 27 2+ 20 30	
4 0 4 8 0 10 14 18 10 20 29 28 20 30 34 38 30 40	13 13 13 13 13
= = = = = = = = = = = = = = = = = = = =	
5 0 3 4 11/11/10 20 20 12/11/10	
6 0 6 2 12 10 12 12 10 12 12 10 12	
7 0 7 E 15 1C 23 2A 31 38 3F 46 4D 54 58 62 69 70	
8 0 8 10 18 20 28 30 38 40 48 50 58 60 68 70 78 8 6	B. B. B. B. B.
9 0 9 12 18 24 20 36 35 48 51 54 67 66 75 75 87 90	= = = 0)
6 A 1 542 36 W = 510 K F 7 8 8 2 8 C 9 C A O	
5 10 10 10 10 10 10 0 0 0 0 0 0 0 0 0 0	12- 11:41
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
N O V IA FIMILITY OF THE STATE	
1 E 4 0 E 1 C 2 A 38 46 54 62 70 1 E 8 C 9 A 148 B 6 C4 1 P2 EO	
15 P 6 F 15 20 3 C 4B 51 69 78 8\$ 96 AS B 24 C3 D2 (E1 FO	
\$ 10 0 10 20 70 40 50 60 70 80 90 40 00 CO 00 E0 FO 100	Eshall
28 = 16 + A12 32 35 \(\frac{12}{31} \),	
2273	
36 2111 8 3249	
49 31	
	The State of

```
3.76)
                                  350C
                                 501 FV
                            t B8980
                               DFGEC
     a) 101101101
                        b) 1110111111
                         + 110111111
     10011011
                           110111110
     1000001000
 0) 11010011
                           1101
 + 10001010
   101011101
                                 7 + 1000
                       1600
 e) a) 0001/01/0/(1/01) +
   + (0000) (1001) (1011)
                        09 B
                       208 $ (0010) (0000) (1000)
   b) (0001) (1011) (1111) +
                       1BF
    (0001)(1011)(1111) +
                      1BF
                            1 (0011) (0111) (1110)
                       37E
```

```
3.8 c) (1100011) ->
                   03
                   8 A
                   150 - (0001)(0101)(1101)
    d) (1101)
       1010) +
       0111) -1
                           (2/3) - (0010) (0011)
3.9(a) 1/01
                    b) 11011
                      X 1011
    X 10.1
                         10110
   000101
 +010100
                    t 10 1 10000
t 10 $ 10000
 + 101000
  1000001
                     100101001
              000 1101100.900 Remainder 1. (I don't think you canharea fraction of abit,
3.10/a) con 110 /1/10/ 000/00/
             -0110
              0 1000
               0110
                00000
                 0110
                    0110
```



3.25(a) 1 10 16
16 7 69
6640625 161609
66906 Z3 × 16
18
3'989'3'7'50
t 6.6406 2 5 O
10.6250000 +10 = A
3,62500 × 16=
× 18
73,75000
10.00000 NO=A NA
b) ,3333
× 18
1,9998
+ 3.3330
5.3328, + 5
* ,3'32'8
1,9968
1 + 2328
5.3.48 -> 5
3148
+ 1 8 8 5 8 + 3 1 4 8 0
5,0338-25
,0338
× 16 + 2028 + 3380
.5408 +0

