$$(x+y)(x+z) = x+yz$$
 $(x+y)(x'+z) = xz+x'y$
 $(x+y)(x+y') = x$ $(x+y) = x$
 $(x+y)(x+z) = x$

```
654, +013, = 000, 3 base 1, over flow
      024 + 043 + 013 + 033 = 223 + > base 5, everflow
      程10
                 043
                 013
                 033
       024 6+043 6+013 6+033 6 = 2016 -> base 6, overflow
            0 43
            013
            033
.22
 222.22 10 = PE, 3851 16
                          3 1 2
5 2
(b), 3 2
                                  = 78. CF-5C (6 576
HTM L => 68 69 51 56 53 49
                                 HTML (15)36 -> F
Hex = 44 45 33 38 35 31
                          16
                                 =) 55 66 67 70 53 67 16

Hex

=) 37 42 43 4635 (5).76
                           192
                            32
                           (5), 12
                           16
                            1 Z
                                                [ 16
                                                  456
                           (1),9 Z
                                Odd
3,
       Bin 31/17/
                         Even
   Hx
        01001110
   4E
        0100 0011
   43
        01010100
   54
                           0
                   4
      0 0 0 0 0
   57
                                  1
                           0
       01000100
 D
   44
                   Z
                                  0
        01000101
                   3
 E 45
                                  D
    45
                   3
        01000101
                                  0
    45
        01000101
```

1 (2

$$\frac{181}{200}$$
 $\frac{181}{200}$
 $\frac{181}{200}$

$$F = \left[A'B' + (A'B' + A)' \right] (A'B' + A)'$$

$$= (A'B' + A)' = (A + B')' = A'B$$

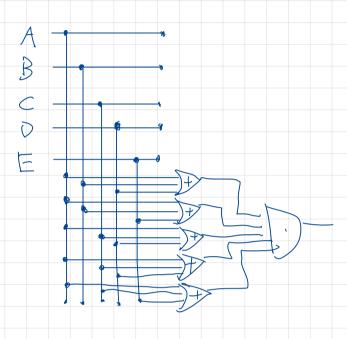
$$= X + X'$$

$$= X + X'Y$$

ATBCTDE

= A + (B+D)(B+E)(C+D)(C+E)

= (A+B+D) (A+B+E) (A+C+D) (A+C+E)



A'BC+FF+D'='= A'BC+F=(F+D)= (A'+E)(A'+D+F)(B+E) (B+D+F)(C+E) (C+D+F)

