

```
fa,5,1,d) = acd + abc + bed + abd
              = 0000 +0100 + 0110 +0111 + 0x0 + 1110 + 1001 + 1016
              = 5m(0,4,6,7,14,9,11)
    f1,2,3,5,8,10,12,13,15 = 0
    9,=0001 ... 0000 = () f(1,0) = 0 () 1
    g== ∞10 ... 0000 = 0 f(z,0) = 0 €1 = 1
    93=0011... 0010 ... 0001... 0000= ( ) f(3,7,1,0)
                            = Of(4,0) = 101=0
    95 =0101...0100...0001...000 = ()f(5,4,10)
    96 =0110 ... 0100 ... 0010 . 0000 = @ f(6, 4, 2, 0)
                                                  Of (7.6,5,4,3,2,1,0)
    97 = 0111 - 0110 - 0101 . 0011 . 0100 . 0010 . 0001. 0000
    $8 = 1000 · 000 = @f(8,0)
   99=1001.1000.0001.0000= ( f(9,8,1,0)
 910 = 1010·100 0010.0000 = @ f(i0,8,2,0)
   1 = 1011.1010.1001.0011.1000.0001.0000 = F
0 g, z = 1(00, 1000, 0100, 0000 = (1) f(12, 8, 4)
913 = 1101.1100.1001.0101.1000.0100.0001.0000 =(4)
0 9,4 = 1110.1100.1010.010.000.010.0010.0000=
       1111 - 1110 - 1101 - 1011 - 1011 - 1100 - 1010 - 0110 - 1001 - 0101
             · 0011 · 0100 · 1000 · 0010 · 0001 · 0000
             -OfC15,14,13,11,7,12,10,6,9,5,3,4,8,2,4,0)
      g values: 0, 1, 2, 3, 6, 8, W, 11, 13, 15
           = 0000, 0001, 0010, 0011, 0110, 1000, 1010, 1011, 1101, 1111
   > F=go⊕gid⊕gzC⊕g3cd⊕g6bC⊕g6a⊕g10ac

⊕g11 acd⊕g3 abd⊕g150bcd
```

G
$$f = \overline{a} \overline{c} d + \overline{a} b c + b c d + \overline{a} \overline{b} d$$
 $g = \overline{a} + \overline{d}$
 $f/\overline{a} = \{ \overline{c} \overline{d}, b c \}$
 $f/\overline{a} = \{ \overline{a} \overline{c}, b c \}$
 $f/g = (f/\overline{a}) \cap (f/\overline{d})$

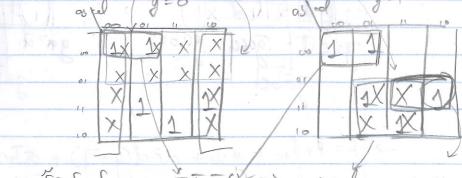
$$= \{ \overline{cd}, bc \} \cap \{ \overline{ac}, bc \} = \{ bc \}$$

$$f = g(f/g) + r \implies r = f - g(f/g)$$

$$= \{ \overline{cd}, bc \} \cap \{ \overline{ac}, bc \} = \{ bc \}$$

@ f= a = d + a > c + b = d + a = d

6 = a + d , G = ad



F=ab+acd+acd+abc+abd fa={b, cd, ēd} f/5={ac, ād} fg=(f/a)n(f/5)={b,cd,cd}n ac, ad} = 57=0 F is not disible by 6, so r= F $\Rightarrow F = g(f(g) + V)$ F = (a + b)(f) + V , v = ab + aed + aid + aifor ab + acd + acd + abc + a 5 d for = g & & = g & + g & = ga+gb + gab gard gabe $\rightarrow F = F + f_{oc} = g \cdot b + \alpha \overline{cd}(g + \overline{g}) + \overline{\alpha} \overline{bd}(g + \overline{g}) + \alpha \overline{cd}(g + \overline{g})$ quotiend

quotiend = (a+b) b + acd +abd+ acd +abc emander.

