3) 45	OF(8), @	- Polynomical	というか			*		
<b>⊕</b>	0	7	×	1)+×	×	T+ dx	X+x (x2+x+1)	17+X+7
0	0	7	×	V+X	2	X2+1	x x + x x	2 + X + 4
7	7	0	V+X	×	V+2×	×	X2+X+1	x5+x
×	×	V+X	0	_	X+X	x2+x+1	C, X	Vtzx
X+X	V+x	×	7	0	V+X+ZX	X5+X	V+2X	X2
~ ~	cl ×	V+2X	X+zX	XZXX	0	7	×	X+1
X+X	V+2×	cxx	x2+x+1	x5+x	7	0	V+X	×
x+x	×+2×	X2+X+A	×	X2+1	×	マナメ	0	Y
xx	X +x+1 X +x+1	X4X	V+2×	×	X+1	×	7	x+1 x 1 0
376	3), 80 - 1	GF(8), & - Polynomial	ios auf		17 +2	oduzie	7	
83	Ö	7	×	X+X	×	X2+1	X	x2+x+1
0	0	0	0	0	0	0	0	0
~	0	7	×	V+X	X	Vtex	×±××	V+X+X
×	0	×	4×	X+zX	x t	x tx+1	~	X+X
V+X	0	V+X	× +×	V+2×	7	×	XxxxX	ci X
, cx	0	cx	X + X	7	X+X+/	X+X	×	X+X
X+X	0	V+2×	r+x+x r+xx	×	V+X	x+X x2+x X	c'×	7
XX	O	×	_	x +x+1	×	c'×	X+X	)+××
x2+x+1	0	XZ+X+A	V + X	5 X+	×2 +×	~	XXX	×

-	Galois-Feld GF(8)-2 GP(8)-Dual																	
61	V (2		04	al	Name I													
111	111	011	101	400	011	010	001	000		111	000	111	011	100	011	007	101	0 7 0
740	110	111	00V	101	010	011	000	004		110	000	740	001	111	040	700	404	101
101	101	001	111	110	004	000	011	010	*	101	0000	101	111	011	100	110	100	000
000	100	101	110	111	000	007	010	011	edutie	100	000	100	101	007	111	100	010	011
770	011	010	000	000	111	110	101	1 00	x211 n	011	000	011	710	101	000	010	444	011
070	010	011	000	001	977	111	100 V	101	X3+	010	000	010	100	110	101	111	004	101
100 031	V00	0000	011	010	10V	V00	111	VVO	all ac	V00	000	100	040	011	100	401	110	111
64(8), 0 - 040l	0000	V 00	040	770	000	101	1 10	1111	GF(8, 0-Dual and x3+x2+1 reduzient	000	000	000	000	000	000	000	000	000
CF18	000	000	010	011	100	101	VVQ	VVV	GF(8	0	000	700	010	011	100	101	110	1111

```
Zwisdenvalnungen
       (x+1).(x2+1)=x3+x2+x+1
      x3+x2+x+1=1.(x3+x2+1)+x
   = 3(x+1) 0(x^2+1) = x
      (x^2+X)\cdot(x+1)=x^3+x^2+x^2+x=x^3+2x^2+x
      x3+22+x=1.(x3+x2+1)+x2+x+1
   => (x2+x) 0 (x+1) = x2+x+1
      (x2+x+1).(x+1) = x3+x2+x+x2+x+1=x3+2x2+2x+1
      x3+2x2+2x+1=1.(x3+x2+1)+x2+x
   =)(x2+x+1)(xx+1)=x2+x
     x2.x2=x4
     X^{4} = X \cdot (X_{u}^{3} + X_{u}^{2} + 1) + X_{u}^{3} + X_{u}^{3}
                                      x3+x=1.(x3+x2+1)+x2
  => X20X2 = X2+ X
    (x2+1). x2 = x4+x2
    x4+x2= x(x3+x2+1)+x3+x2+x
    x3+x2+x=1.(x3+x2+1)+x+1
 >> (x2+1)0x2=x+1
  (x2+x) · x2 = x4 +x2
   x4+x2=x(x3+x2+1)+x3+x2+x+1
x3+x2+x+1=1.(x3+x2+1)+x
 = > (x^2 + x) \circ x^2 = x
  (x2+x+1).x2 = x4+x3+x2
   x4+x3+x2=x(x3+x2+1)+x2+x
=> (x2+x+1)0x2=x4+x
  (x3+1).(x2+1)=x4+2x2+1
  \lambda^{4} + 2x^{2} + 1 = x(x^{3} + x^{2} + 1) + x^{3} + 2x^{2} + x + 1

x^{3} + 2x^{2} + x + 1 = 1 \cdot (x^{3} + x^{2} + 1) + x^{2} + x
=> (x2+1) 0(x2+1)=x2+x
```

```
Zwischenrechnungen 3
(x^2+x)\cdot(x^2+1)=x^4+x^3+x^2+x
x^{4} + x^{3} + x^{2} + x = x(x^{3} + x^{2} + 1) + x^{2}
= (x^2 + x) \circ (x^2 + 1) = x^2
(x^{2}+x+1)(x^{2}+1)=(x^{4}+x^{3}+x^{2}+x^{2}+x+1)
=(x^{4}+x^{3}+2x^{2}+x+1)
=(x^{4}+x^{3}+2x^{2}+x+1)
=(x^{4}+x^{3}+2x^{2}+x+1)
x^{4} + x^{3} + x + 1 = x(x^{3} + x^{2} + 1) + 1
= x^{4} + x^{3} + x + 1 = x(x^{3} + x^{2} + 1) + 1
(x^2+x)\cdot(x^2+x) = x^4+2x^3+x^2
                                                        2×3=0
x^{4} + x^{2} = x (x^{3} + x^{2} + 1) + x^{3} + x^{2} + x
x^{3} + x^{2} + x = 1(x^{3} + x^{2} + 1) + x + 1
(x^2+x) \cdot (x^2+x+1) = x^4+x^3+x^2+x^3+x^2+x
X3 = V(X3 + X3 + V) + X3 + V
=> (x2+x) 0 (x2+x+1) = x2+1
(x^2+x+1)\cdot(x^2+x+1)=x^4+x^3+x^2+x^3+x^2+x
= x4+2x3+3x2+ex+1
x4+x2+1=x(x3+x2+1)+x3+x2+x+1
x3+x2+x+1=1(x3+x2+1)+x
=> (x2+x+1) 0 (x2+x+1)=x
```