

RDS-Prüfbit Rechner (V1)

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Input: **D4** **F1**

Ergebnis
 Prüfbits-Gruppe-A: **28F**
 Prüfbits-Gruppe-B: **3EB**
 Prüfbits-Gruppe-C: **31B**
 Prüfbits-Gruppe-D: **3C7**

1101010011110001

1	0	1	0	1	0	0	1	1	1	0	0	0	1	
-Bit-15	-Bit-14	-Bit-13	-Bit-12	-Bit-11	-Bit-10	-Bit-9	-Bit-8	-Bit-7	-Bit-6	-Bit-5	-Bit-4	-Bit-3	-Bit-2	-Bit-1

16 x Datenbit schieben und behandeln		
CRC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1
CRC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1	3
CRC	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 1	6
CRC	0 0 0 0 0 0 0 0 0 0 0 0 1 1 0 1	D
CRC	0 0 0 0 0 0 0 0 0 0 0 1 1 0 0 1	1A
CRC	0 0 0 0 0 0 0 0 1 1 0 1 0 1 0 1	35
CRC	0 0 0 0 0 0 1 1 0 1 0 1 0 1 0 1	6A
CRC	0 0 0 0 1 1 0 1 0 1 0 1 0 1 0 0	D4
CRC	0 0 0 1 1 0 1 0 1 0 1 0 1 0 0 1	1A9
CRC	0 1 1 0 1 0 1 0 1 0 0 0 1 1	353
CRC	1 1 0 1 0 1 0 1 0 0 0 1 1 1	6A7
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 1 0 0 0 1 1 1 1 1 1 0	31E
Bit 10 gesetzt?	0 1 1 0 0 0 1 1 1 1 1 1 0	31E
CRC	1 1 0 0 0 1 1 1 1 1 0 1	63D
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 1 1 0 0 0 0 1 0 0 1 0	384
Bit 10 gesetzt?	0 1 1 1 0 0 0 0 1 0 0 1 0	384
CRC	1 1 1 0 0 0 0 1 0 0 0 0	708
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 0 1 0 1 1 0 0 0 0 1	2B1
Bit 10 gesetzt?	0 1 0 1 0 1 1 0 0 0 0 1	2B1
CRC	1 0 1 0 1 1 0 0 0 0 1 0	562
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 0 0 1 1 0 1 1 0 1 0 1 1	DB
Bit 10 gesetzt?	0 0 0 1 1 0 1 1 0 1 1 0 1 1	DB
CRC	0 0 1 1 0 1 1 0 1 1 0 1 1 0	1B6
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	1 0 0 0 0 0 0 0 1 1 1 1 1	40F
Bit 10 gesetzt?	0 0 1 1 0 1 1 0 1 1 0 1 1 0	1B6
CRC	0 1 1 0 1 1 0 1 1 0 1 1 0 1	36D
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	1 1 0 1 1 0 1 1 0 1 0 1 0 0	6D4
Bit 10 gesetzt?	0 1 1 0 1 1 0 1 1 0 1 1 0 1	36D
CRC	0 1 1 0 1 1 0 1 1 0 1 1 0 1	36D
10 x CRC-Bit schieben und behandeln		
CRC	0 1 1 0 1 1 0 1 1 0 1 1 0 1	36D
CRC	1 1 0 1 1 0 1 1 0 1 1 0 1 0	6DA
Polynom (x5B9)	1 0 1 1 0 1 1 0 1 1 1 0 0 0 1	5B9
XOR	0 1 1 0 1 1 0 0 0 0 1 1 1	363
Bit 10 gesetzt?	0 1 1 0 1 1 0 0 0 0 1 1 1	363
CRC	1 1 0 1 1 0 0 0 0 1 1 0	6C6
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 1 0 1 1 1 1 1 1 1 1 1	37F
Bit 10 gesetzt?	0 1 1 0 1 1 1 1 1 1 1 1 1	37F
CRC	1 1 0 1 1 1 1 1 1 1 1 0	6FE
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 1 0 1 0 0 0 0 1 1 1 1	347
Bit 10 gesetzt?	0 1 1 0 1 0 0 0 0 1 1 1 1	347
CRC	1 1 0 1 0 0 0 0 1 1 1 0	68E
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 1 0 0 1 1 0 1 1 0 1 1	337
Bit 10 gesetzt?	0 1 1 0 0 1 1 0 1 1 1 1 1	337
CRC	1 1 0 0 0 1 1 0 1 1 1 0	66E
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 1 1 1 1 0 1 0 1 0 1 1 1	3D7
Bit 10 gesetzt?	0 1 1 1 1 1 0 1 0 1 1 1 1	3D7
CRC	1 1 1 1 0 1 0 1 1 1 0	7AE
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 0 0 0 0 0 1 0 1 1 1 1	217
Bit 10 gesetzt?	0 1 0 0 0 0 0 1 0 1 1 1 1	217
CRC	1 0 0 0 0 1 0 1 1 1 0	42E
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 0 1 1 0 0 1 0 1 1 1 1 1	197
Bit 10 gesetzt?	0 0 1 1 0 0 1 0 1 1 1 1 1	197
CRC	0 1 1 0 0 1 0 1 1 1 0	32E
Polynom (x5B9)	1 0 1 1 0 1 1 1 0 0 0 1	5B9
XOR	1 1 0 1 0 0 1 0 0 1 1 1 1	697
Bit 10 gesetzt?	0 1 1 0 0 1 0 1 1 1 1 1 0	32E
CRC	1 1 0 0 1 0 1 1 1 0 0	65C
Polynom (x5B9)	1 0 1 1 0 1 1 1 1 0 0 0 1	5B9
XOR	0 1 1 1 1 1 1 0 0 1 0 1 0 1	3E5
Bit 10 gesetzt?	0 1 1 1 1 1 1 0 0 1 0 1 0 1	3E5
CRC	1 1 1 1 0 1 0 1 1 0 1 0	7CA
Polynom (x5B9)	1 0 1 1 0 1 1 0 1 1 0 0 0 1	5B9
XOR	0 1 0 0 1 1 1 0 0 0 1 1 1	273
Bit 10 gesetzt?	0 1 0 0 1 1 1 0 0 0 1 1 1	273
CRC	0 1 0 0 1 1 1 0 0 0 1 1	273
CRC - GRUPPE - A		
CRC	1 0 0 1 1 1 0 0 1 1	273
Gruppe-A	0 0 1 1 1 1 1 1 0 0	FC
Ergebnis-CRC	1 0 1 0 0 0 1 1 1 1	28F
CRC - GRUPPE - B		
CRC	1 0 0 1 1 1 0 0 1 1	273
Gruppe-B	0 1 1 0 0 1 1 0 0 0	198
Ergebnis-CRC	1 1 1 1 1 0 0 1 1 1	3EB
CRC - GRUPPE - C		
CRC	1 0 0 1 1 1 0 0 1 1	273
Gruppe-C	0 1 0 1 1 0 1 0 0 0	168
Ergebnis-CRC	1 1 0 0 0 1 1 0 1 1	31B
CRC - GRUPPE - D		
CRC	1 0 0 1 1 1 0 0 1 1	273
Gruppe-D	0 1 1 0 1 1 0 1 0 0	1B4
Ergebnis-CRC	1 1 1 1 0 0 0 1 1 1	3C7