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Wids Blot 11
Aufgabe 1. RSA
p = 5 q = 7 \Rightarrow n = p \cdot q = 35 f(n) = (5-1)(7-1) = 24
 sei e = 11 ggi (e, 90n) = ggt (11,24)=1
 24=2.11+2 1=11-5.2
 11=5.2+1 =11-5.(24-2.11)
             =11.11 - 5.34
  2=2.1+0
              >> d=11
Probe e. 0 = 121 = 1 mod 24 V
Öffentlicher Felliessel (35, 11)
 Privater solliersel (35, 11)
Versdelisselung für NESSA
Beredung beispiel für Buthstolbe E: m=5
Buchstabe m | z=m1 modzs | m= z1 modzs
               14
                           14
       14
  N
               10
  6
        5
       19
               24
                           19
                           19
        19
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Luds Blow	HAA				
Aufgabe:	2 a			(1	
X1 X2 X3	$X_1 \rightarrow X_2$	X3€>X1	7(X36>X1)	((X, >> - Xz) /	$(x_3 \leftarrow > x_4))$
000	1	1	0	0	
001	1	0	1	1	
010	1	1	0	0	
011	1	0	1	1	
100	1	0	Л	1	
101	1	1	0	0	
110	0	0	1	6	
1111	0	1	0		
DNF:	9= (7) DNF	x, 1 7 x 2 1	$(x_3) V(\forall x_1 \wedge$	$(x_2 \wedge x_3) \vee (x_4 \wedge x_3)$	$(7x_2 \wedge 7x_3)$
Aulaxle	26			buit Et	rouge KNF-Algori Hums
Aufgabe Y = (X	26)	×2) /	$(X_3 \longleftrightarrow X$	(1) Huit Et	
Aufgabe Y = (X	26)	×2) /	$(X_3 \longleftrightarrow X$	(1) Huit Et	Rouge KNF-Algori Hums
Aufgabe $Y = (X)$ $= (X)$	26) 1 -> ": 1 V " X2	×2) ^ (($(X_3 \longleftrightarrow X_4) \land$	buit Et	Rouge KNF-Algori Hums
Aufgabe $ y = (x) $ $ = (x) $	$\begin{array}{c} 25) \\ 1 \longrightarrow 7 \\ 1 \vee 7 \times 2 \\ 1 \vee 7 \times 2 \end{array}$	×2) \\) \\ \(\)	$\begin{cases} (X_3 \longleftrightarrow X_4) \land \\ (X_3 \lor X_4) \land \\ (X_3 \lor X_4) \lor \\ (X_4 \lor X_4$	(1) (1) (1) (1)	Rouge KNF-Algori Hums
Aufgabe $ y = (x) $ $ = (x) $ $ = (x) $	$\begin{array}{c} 25) \\ 1 \longrightarrow 7 \\ 1 \vee 7 \times 2 \\ 1 \vee 7 \times 2 \\ 1 \vee 7 \times 2 \end{array}$	(x_2) \wedge (x_3) \wedge (x_3)	$\begin{cases} (X_3 \longleftrightarrow X_1) \\ X_3 \lor X_1) \\ X_3 \lor X_1) \lor \\ (X_3 \lor X_1) \lor (X_1 \lor X_2) \lor (X_2 \lor X_1) \lor (X_3 \lor X_2) \lor (X_1 \lor X_2) \lor (X_2 \lor X_2) \lor (X_2 \lor X_2) \lor (X_1 \lor X_2) \lor (X_2 \lor X_2) \lor (X_2 \lor X_2) \lor (X_1 \lor X_2) $	$(7x_1 \vee x_3))$ $(7x_1 \vee x_3))$	Reuge KNF-Algin Hums Stante (1+2)
Aufgabe $ y = (x) $ $ = (x) $ $ = (x) $ $ = (x) $	$\begin{array}{c} 25) \\ 1 \longrightarrow 7 \\ 1 \vee 7 \times_2 \\ 1 \vee 7 \times_2 \\ 1 \vee 7 \times_2 \end{array}$	$\times 2$) \wedge) \wedge \uparrow (\uparrow \uparrow \uparrow (\uparrow \uparrow \uparrow (\uparrow \uparrow \uparrow \uparrow (\uparrow \uparrow \uparrow \uparrow \uparrow (\uparrow	$\begin{array}{c} (X_{3} \longleftrightarrow X_{4}) \land \\ (X_{3} \lor X_{4}) \land \\ (X_{3} \lor X_{4}) \lor \\ (X_{4} \land (X_{3}) \land (X_{4}) \land $	$(7x_1 \vee x_3))$ $(7x_1 \vee x_3))$ $(7x_1 \vee x_3))$ $(x_1 \wedge 7x_3)$	Rouge KNF-Algoriflums Stante (1+2)
Aufgabe $ y = (x) $ $ = (x) $ $ = (x) $ $ = (x) $	$\begin{array}{cccc} 25) & & & & & \\ & & & & & & \\ & & & & & & \\ & & & & $	(x_3) (x_3) (x_3) (x_3) (x_3) (x_3)	$\begin{array}{c} (X_{3} \longleftrightarrow X_{4}) \land \\ (X_{3} \lor X_{4}) \land \\ (X_{3} \lor X_{4}) \lor \\ (X_{3} \lor X_{4}) \lor \\ (X_{4} \land^{7} X_{3}) \land \\ (X_{4}) \land (X_{3} \lor X_{4}) & \\ (X_{5} \lor X_{5}) & \\ (X_{$	Full Ext. (1) $(x_1 \vee x_3) $ $(x_1 \vee x_4 \vee x_4) $	Slante (9+2) X3)) L(2x, Vx3))

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