

BELEGEXEMPLAR

Darf nicht entliehen werden!

ZUSE KG · BAD HERSFELD



Elektronische Rechenanlagen

Befehlsliste und Erläuterungen

zum Übersetzerprogramm

Z U S E Z 23

- o HEo+6A26 Start Kurve
- 1' HEo+5A26 Start Gerade
- 2' HEo+453A26 Anfang Start
- 3' Eo+723A26 Kurve Stop
- 4' Eo+464A26 Sonder Kommando
- 5' CHSo+1
- 6' HUK24o+o $\Rightarrow G \begin{matrix} 0 \Rightarrow G \\ -1 \Rightarrow G \end{matrix}$ Kurve
Gerade
- 7' NAK5+o
- 8' UK251+o Rad.
- 9' NAK254+o x
- 10' UK6+o
- 11' NAK252+o αx
- 12' Fo+425 $\frac{x}{\alpha x}$
- 13' CUAo+255 $128+\hat{x}$
- 14' CUSo+162 $162 - (128+\hat{x}) = 34+\hat{x}$
- 15' PPUK13+o
- 16' ZQQAko+o
- 17' NAK6+o
- 18' PPPQQRAko+o $\frac{x}{\alpha x} \cdot 16 \Rightarrow \bar{\xi}$
- 19' UK623o+22o $\Rightarrow \bar{\xi}, \bar{v}$
- 20' NAK255+o y
- 21' UK6+o
- 22' NAK253+o αy
- 23' Fo+425 $\frac{y}{\alpha y}$
- 24' CUAo+255 $128+\hat{y}$
- 25' CUSo+162 $162 - (128+\hat{y}) = 34+\hat{y}$
- 26' PPUK13+o
- 27' ZQQAko+o
- 28' NAK6+o
- 29' PPPQQRAko+o $\frac{y}{\alpha y} \cdot 16 \Rightarrow \bar{\eta}$

| | |
|------------------|---|
| 30' UK6220+223 | $\Rightarrow \eta_V$ |
| 31' CUAK230+3 | $V \Rightarrow a$ |
| 32' PPQNEo+52A26 | $V = 0 ?$ |
| 33' CSo+1 | |
| 34' PPQNEo+36A26 | $V = 1 ? \text{ Pktz.} = 1 ?$ |
| 35' Eo+54A26 | |
| 36' NLLRAKV221+0 | $\bar{\xi}_1$ |
| 37' SK220+0 | $-\bar{\xi}_0$ |
| 38' PPQQAkHo+0 | |
| 39' UK246+0 | $\Rightarrow \xi$ |
| 40' PPCNAK254+15 | $15 \Rightarrow V\xi$ |
| 41' QQCNsk254+15 | $-15 \Rightarrow V\xi$ |
| 42' QQNSK4+0 | |
| 43' UK3+0 | $\Rightarrow \xi $ |
| 44' HAK224+0 | $\bar{\eta}_1$ |
| 45' SK223+0 | $-\bar{\eta}_0$ |
| 46' UK247+0 | $\Rightarrow \eta$ |
| 47' PPCNAK255+15 | $15 \Rightarrow V\eta$ |
| 48' QQCNsk255+15 | $-15 \Rightarrow V\xi$ |
| 49' QQNSK4+0 | $ \eta $ |
| 50' PPQQYKE251+0 | $\xi = \eta = 0 ? \text{ RspG.}$ |
| 51' QL240+578A26 | $G = -1 ?$ |
| 52' CAK230+1 | $V + 1 \Rightarrow V$ |
| 53' KE251+0 | RspG |
| 54' NLLRAKV222+0 | $\bar{\xi}_2$ Kurve Prog. |
| 55' SK221+0 | $-\bar{\xi}_1$ |
| 56' PPQQAkHo+0 | |
| 57' UK254+0 | $\Rightarrow \xi_2 - \xi_1 \Rightarrow 254$ |
| 58' HAK225+0 | $\bar{\eta}_2$ |
| 59' SK224+0 | $-\bar{\eta}_1$ |

- 60' UK255+0 $\Rightarrow \eta_2 - \eta_1 \rightarrow 255$
- 61' PPQQYKE251+0 $\bar{\xi}_2 - \bar{\xi}_1 = \bar{\eta}_2 - \bar{\eta}_1 = 0 ?$
- 62' CNAK238+0 $0 \Rightarrow v$
- 63' CNAK231+0 $0 \Rightarrow K_1 K_2 K_3$
- 64' HAK221+0 $\bar{\xi}_1$
- 65' SK220+0 $-\bar{\xi}_0$
- 66' UK246+0 $\bar{\xi}_1 - \bar{\xi}_0$
- 67' HAK251+0 $\bar{\xi}_2 - \bar{\xi}_1$
- 68' PPQE246+75A26 } Sign \neq
- 69' PQQE246+75A26 }
- 70' HAK226+0 Vx
- 71' PPQEE0+74A26 $Vx = 0 ?$
- 72' PPQE246+75A26 } Sign $Vx \neq$ Sign $(\bar{\xi}_1 - \bar{\xi}_0) \neq (\bar{\xi}_2 - \bar{\xi}_1) ?$
- 73' PQQE246+75A26 }
- 74' CAK231+1 $1 \Rightarrow K_1$
- 75' HAK221+0 $\bar{\eta}_1$
- 76' SK223+0 $-\bar{\eta}_0$
- 77' UK248+0 $\Rightarrow \bar{\eta}_1 - \bar{\eta}_0$
- 78' HAK255+0 $\bar{\eta}_2 - \bar{\eta}_1$
- 79' PPQE248+86A26 } Sign \neq
- 80' PQQE248+86A26 }
- 81' HAK227+0 V_y
- 82' PPQEE0+85A26 $V_y = 0 ?$
- 83' PPQE248+86A26 } Sign $V_y \neq$ Sign $(\bar{\eta}_1 - \bar{\eta}_0) \neq (\bar{\eta}_2 - \bar{\eta}_1) ?$
- 84' PQQE248+86A26 }
- 85' CAK231+2 $1 \Rightarrow K_2$
- 86' HAK246+0 $\bar{\xi}_1 - \bar{\xi}_0$
- 87' QQNSK1+0 $|\bar{\xi}_1 - \bar{\xi}_0|$
- 88' UK6+0
- 89' HAK248+0 $\bar{\eta}_1 - \bar{\eta}_0$

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|-------------------|---|--|
| 90' QQMSK4+0 | $ \bar{\eta}_1 - \bar{\eta}_0 $ | |
| 91' SK6+0 | | |
| 92' QOCAK231+4 | $(\bar{\xi}_1 - \bar{\xi}_0) > \bar{\eta}_1 - \bar{\eta}_0 $? | $< 0 \quad 1 \Rightarrow \bar{\eta}_3$ $> 0 \quad 0 \Rightarrow \bar{\eta}_3$ |
| 93' CUAK231+3 | | |
| 94' ZPPQQE0+3 | $K_1 = K_2 = 0$? | Stop. Keine Monotonie |
| 95' CS0+3 | | |
| 96' PPQQE0+10A26 | $K_1 = K_2 = 1$ | Koordinaten in beiden Richtungen monoton ? |
| 97' CUAK231+1 | | |
| 98' PPQQE0+103A26 | $K_2 = 1 \quad K_1 = 0$? | |
| 99' ME0+104A26 | $K_2 = 0 \quad K_1 = 1$? | |
| 100' UK4+0 | 1 Bit des Akku = 1 ? | $\langle \cdot \rangle_1 = 1$? |
| 101' QQHE0+104A26 | | |
| 102' CUAK231+4 | $K_1 = 1 \quad K_2 = 1$? | |
| 103' CS0+4 | | |
| 104' UK233+0 | $K_3 = 1 \quad 0 \Rightarrow V$ | |
| 105' AK0+0 | $K_3 = 0 \quad -4 \Rightarrow V$ | |
| 106' UK2+0 | $V \Rightarrow 2$ | |
| 107' HAK246+0 | $\bar{\xi}_1 - \bar{\xi}_0$ | |
| 108' PUK244+0 | $\Rightarrow \xi_1$ | |
| 109' QUK242+0 | $\Rightarrow \eta_1$ | |
| 110' HAK248+0 | $\eta_1 - \eta_0$ | |
| 111' PUK242+0 | $\Rightarrow \eta_1$ | |
| 112' QUK244+0 | $\Rightarrow \xi_1$ | |
| 113' HAK222+0 | $\bar{\xi}_2$ | |
| 114' SK220+0 | $-\bar{\xi}_0$ | |
| 115' PUK245+0 | $\Rightarrow \xi_2$ | |
| 116' QUK243+0 | $\Rightarrow \eta_2$ | |
| 117' HAK225+0 | | |
| 118' SK223+0 | $\bar{\eta}_2 - \bar{\eta}_0$ | |
| 119' PUK243+0 | $\Rightarrow \eta_2$ | |

| | | |
|-------------------|---|--|
| 120' QUK245+o | $\Rightarrow \xi_2$ | |
| 121' NAK243+o | η_2 | |
| 122' SK242+o | $-\eta_1$ | |
| 123' UK240+o | $\rightarrow 240$ | |
| 124' NAK242+o | η_1 | |
| 125' PQLLKEo+8182 | (20 Bits) | |
| 126' UK6+o | | |
| 127' NAK244+o | ξ_1 | |
| 128' Fo+424 | $\eta_1 = \Delta_1$ | |
| 129' PQLLKEo+8189 | ξ_1 26 Bits | |
| 130' UK250+o | $\rightarrow 250$ | |
| 131' NAK240+o | $\eta_2 - \eta_1$ | |
| 132' PQLLKEo+8182 | (20 Bits) | |
| 133' UK6+o | | |
| 134' NAK245+o | | |
| 135' SK244+o | $\xi_2 - \xi_1$ | |
| 136' Fo+424 | | |
| 137' PQLLKEo+8189 | $\frac{\eta_2 - \eta_1}{\xi_2 - \xi_1}$ 26 Bits | |
| 138' SK250+o | | $(\frac{\eta_2 - \eta_1}{\xi_2 - \xi_1} - \Delta_1)$ |
| 139' UK6+o | | |
| 140' NAK245+o | ξ_2 | |
| 141' Fo+424 | $\Rightarrow \Delta_2$ 26 Bits | |
| 142' UK247+o | $\Delta_2 \rightarrow 247$ | |
| 143' CHA0+1 | $\epsilon = 1 \text{ Sign } (\xi_1)$ | |
| 144' PE244+146A26 | | |
| 145' CHS0+1 | | |
| 146' SK244+o | $\epsilon - \xi_1$ | |
| 147' UK6+o | | |
| 148' NAK247+o | Δ_2 | |
| 149' Fo+361 | $(\epsilon - \xi_1) \Delta_2$ | |

| | |
|--------------------|---|
| 150' AK250+0 | $\Delta_1 + (\epsilon - \xi_1) \Delta_2$ |
| 151' PE244+153A26 | |
| 152' HSK4+0 | |
| 153' UK239+0 | $\epsilon \Delta_1 + (\epsilon - \xi_1) \Delta_2 \Rightarrow \Delta^1 \eta \rightarrow 239$ |
| 154' HAK247+0 | Δ_2 |
| 155' LLPAK0+0 | $2 \Delta_2$ |
| 156' HUK240+0 | $\Rightarrow \Delta^2 \eta$ |
| 157' HUK241+0 | $0 \Rightarrow \Delta^3 \eta \rightarrow 241$ |
| 158' HAK247+0 | Δ_2 |
| 159' UK6+0 | |
| 160' HAK244+0 | ξ_1 |
| 161' Fo+361 | $\xi_1 \Delta_2$ |
| 162' HSK4+0 | $-\xi_1 \Delta_2$ |
| 163' AK250+0 | $\Delta_1 - \xi_1 \Delta_2 \Rightarrow \eta'_0 \quad 26 \text{ Bits}$ |
| 164' CHAK13+20 | |
| 165' PPPQQRAK0+0 | 6 Bits |
| 166' HUK233+0 | $\Rightarrow \eta'_0 \rightarrow 233$ |
| 167' QNE228+233A26 | statt = - 1 ? |
| 168' HAK239+0 | V |
| 169' UK2+0 | |
| 170' PHAK227+0 | $V_y \quad (6 \text{ Bits})$ |
| 171' QHAK226+0 | $V_x \quad (6 \text{ Bits})$ |
| 172' PQLLKE0+8189 | 12 (Bits) |
| 173' UK6+0 | |
| 174' PHAK226+0 | $V_x \quad (6 \text{ Bits})$ |
| 175' QHAK227+0 | $V_y \quad (6 \text{ Bits})$ |
| 176' Fo+424 | $V = 0 \left(\frac{V_y}{V_x} \right) \quad V = -1 \left(\frac{V_x}{V_y} \right)$ |
| 177' UK234+0 | $\Rightarrow \eta'_A \rightarrow 234 \quad (6 \text{ Bits})$ |
| 178' HAK233+0 | η'_0 |
| 179' Fo+361 | $\eta'_0 \cdot \eta'_A \quad (12 \text{ Bits})$ |

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|------|---------------------------|---|
| 180' | CHAK13+6 | |
| 181' | PPQQRRAK ₀₊₀ | 6 (Bits) |
| 182' | CA ₀₊₆₁ | $1 \mp \eta'_0 \eta'_1$ |
| 183' | UK3+0 | |
| 184' | HAK234+0 | |
| 185' | SK233+0 | $\eta'_1 - \eta'_0$ (6 Bits) |
| 186' | LLAK ₀₊₀ | |
| 187' | LLAK ₀₊₀ | 16 ($\eta'_1 - \eta'_0$) (10 Bits) |
| 188' | UK6+0 | |
| 189' | HAK3+0 | $(1 + \eta'_1 \eta'_2)$ 6 Bits |
| 190' | F ₀₊₁₂₄ | $\frac{\eta'_1 - \eta'_2}{1 + \eta'_1 \eta'_2} \Rightarrow \text{tg } \alpha \approx \alpha$ (4 Bits) |
| 191' | PPQRE _{0+231A26} | $\alpha < \frac{1}{16} ?$ |
| 192' | HAK244+0 | ξ_1 |
| 193' | UK6+0 | |
| 194' | HAK245+0 | ξ_2 |
| 195' | F ₀₊₃₆₁ | $\xi_1 \cdot \xi_2$ |
| 196' | UK255+0 | $\rightarrow 254$ |
| 197' | HAK234+0 | |
| 198' | SK233+0 | $\eta'_1 - \eta'_0$ 6 Bits |
| 199' | PQLLKE ₀₊₈₁₈₂ | 26 Bits |
| 200' | UK6+0 | |
| 201' | HAK255+0 | $\xi_1 \cdot \xi_2$ |
| 202' | F ₀₊₁₂₄ | } $\frac{\eta'_1 - \eta'_0}{\xi_1 \cdot \xi_2} \Rightarrow \Delta_3 \rightarrow 254$ |
| 203' | UK254+0 | |
| 204' | LLRAK4+0 | |
| 205' | LLRAK ₀₊₀ | $6 \Delta_3$ |
| 206' | PE244+208A26 | |
| 207' | HSK4+0 | $6 \in \Delta_3$ |
| 208' | UK241+0 | $\Rightarrow \Delta_3^3 \eta \rightarrow 241$ |
| 209' | HAK244+0 | ξ_1 |

- 210' AK245+0 $\xi_1 + \xi_2$
- 211' QE244+213A26
- 212' HSK4+0 $-\epsilon (\xi_1 + \xi_2)$
- 213' CLo+1 $1 - \epsilon (\xi_1 + \xi_2)$
- 214' AK255+0 $[1 - \epsilon (\xi_1 + \xi_2) + \xi_1 \xi_2]$
- 215' PE244+217A26
- 216' HSK4+0 $\epsilon [\dots\dots]$
- 217' UK6+0
- 218' HAK254+0 Δ_3
- 219' Fo+361 $\epsilon [\dots\dots] \Delta_3$
- 220' AK239+0 $+ \Delta^1 \eta$
- 221' UK239+0 $\Rightarrow \Delta^1 \eta$
- 222' CHA0+3
- 223' PE244+225A26
- 224' HSK4+0 3ϵ
- 225' SK244+0 $3\epsilon - (\xi_1 + \xi_2)$
- 226' SK245+0 $[6\epsilon - 2(\xi_1 + \xi_2)]$
- 227' LLRAK0+0
- 228' UK6+0
- 229' HAK254+0 Δ_3
- 230' Fo+361 $\Delta_3 [\dots\dots]$
- 231' AK240+0 $+ \Delta^2 \eta$
- 232' HUK240+0 $\Rightarrow \Delta^2 \eta \Rightarrow 240$
- 233' HUK228+0 $0 \Rightarrow \text{start}$
- 234' HAK231+0 K_1, K_2, K_3
- 235' CS0+1
- 236' PPQOE0+244A26 $K_2 = K_3 = 0 ?$
- 237' CS0+5
- 238' PPQOE0+244A26 $K_3 = 1 \quad K_1 = 0 ?$
- 239' CHAK231+15 $15 \Rightarrow \Delta \xi$

| | |
|--------------------|---|
| 240' CNAK197+0 | $0 \Rightarrow b$ |
| 241' NAK244+0 | ξ_1 |
| 242' NUK233+0 | $\Rightarrow \xi_e$ |
| 243' HE0+249A26 | |
| 244' CNAK231+8 | $8 \Rightarrow \Delta \xi$ |
| 245' CNSK197+1 | $-1 \Rightarrow b$ |
| 246' NAK245+0 | ξ_2 |
| 247' NUK233+0 | $\Rightarrow \xi_e$ |
| 248' CNAK220+1 | $1 \Rightarrow v$ |
| 249' NUK234+0 | $0 \Rightarrow \xi$ |
| 250' UK235+0 | $0 \Rightarrow \eta$ |
| 251' UK250+0 | $0 \Rightarrow \eta^x$ |
| 252' CNA0+15 | 15' |
| 253' PQLLKE0+8179 | |
| 254' UK248+0 | 15' (26 Bits) \rightarrow 248 |
| 255' CNSK194+1 | $-1 \Rightarrow P$ |
| 256' CNAK193+0 | $0 \Rightarrow Z$ |
| 257' KE198+0 | |
| 258' NAK250+0 | η^x |
| 259' SK239+0 | $\eta^x - \Delta^1 \eta$ |
| 260' UK250+0 | $\Rightarrow \eta^x$ |
| 261' NAK2+0 | μ |
| 262' AK231+0 | $+ \Delta \xi \Rightarrow v \xi_i$ |
| 263' PPQQE0+312A26 | $v \xi_i = 0$ |
| 264' PE244+266A26 | $v \xi_i \text{ Sign } (\xi_1) \Rightarrow v \xi_i$ |
| 265' NSK4+0 | |
| 266' UK254+0 | $v \xi_i \rightarrow 254$ |
| 267' CNAK13+26 | |
| 268' NAK250+0 | η^x |
| 269' PPPQQAK0+0 | $[\eta^x]$ |

| | |
|---------------------|---|
| 270' NUK255+0 | $\Rightarrow V\eta_i$ |
| 271' CHAK13+14 | |
| 272' PPPQQQAKo+o | $\eta^x - [\eta^x] \Rightarrow 3$ |
| 273' HAK3+o | |
| 274' UK250+o | $\Rightarrow \eta^x$ |
| 275' HAK254+o | $V\xi_i$ |
| 276' AK231+o | $+ \xi$ |
| 277' UK231+o | $\Rightarrow \xi$ |
| 278' HAK255+o | $V\eta_i$ |
| 279' AK235+o | $+ \eta$ |
| 280' UK235+o | $\Rightarrow \eta$ |
| 281' QE194+2o5A26 | $P = -1 ?$ |
| 282' HLLRAKV254+o | $V\xi_i$ |
| 283' SK192+o | $- V\xi_r$ |
| 284' PPQQAKHo+o | |
| 285' HAK255+o | $V\eta_i$ |
| 286' SK191+o | $- V\eta_r$ |
| 287' PPQQYEo+31oA26 | $V\xi_i - V\xi_r = V\eta_i - V\eta_r = 0 ?$ |
| 288' HAK255+o | η_i |
| 289' UK6+o | Zwischenspeicher |
| 290' HAK191+o | η_r |
| 291' UK255+o | $\Rightarrow V\eta$ |
| 292' HAK6+o | $V\eta_i$ |
| 293' UK191+o | $\Rightarrow \eta_r$ |
| 294' HAK254+o | $V\xi_i$ |
| 295' UK6+o | Zwischenspeicher |
| 296' HAK192+o | $V\xi_r$ |
| 297' UK254+o | $\Rightarrow V\xi$ |
| 298' HAK6+o | $V\xi_i$ |
| 299' UK192+o | $\Rightarrow V\xi_r$ |

| | |
|-------------------|--|
| 300' HAK193+0 | Z |
| 301' UK2+0 | Z \Rightarrow n |
| 302' Fo+544A26 | Fahrbehl (n, $V\xi$, $V\eta$) |
| 303' CHAK193+1 | 1 \Rightarrow Z |
| 304' KE198+0 | |
| 305' HAK254+0 | $V\xi_i$ |
| 306' UK192+0 | $\Rightarrow V\xi_r$ |
| 307' HAK255+0 | $V\eta_i$ |
| 308' UK191+0 | $\Rightarrow V\eta_r$ |
| 309' CHAK194+0 | 0 \Rightarrow P |
| 310' CAK193+1 | Z + 1 \Rightarrow Z |
| 311' KE198+0 | |
| 312' HLLRAKY239+0 | $\Delta^1\eta$ |
| 313' PPAK110+0 | $\Delta^1\eta \geq 0$ |
| 314' CNSK255+15 | |
| 315' YCHAK255+15 | 15 Sign $\Delta^1\eta \Rightarrow V\eta_i$ |
| 316' HSK255+0 | - $V\eta_i$ |
| 317' PQLLKE0+8170 | 26 Bits |
| 318' AK250+0 | + η^x |
| 319' HUK250+0 | $\eta^x - V\eta_i \Rightarrow \eta^x$ |
| 320' UK254+0 | 0 $\Rightarrow V\xi_i$ |
| 321' E0+278A26 | |
| 322' 15' | |
| 323' 15' | |
| 324' 15' | |
| 325' 31' | |
| 326' 31' | |
| 327' 29' | |
| 328' 27' | |
| 329' 25' | |

| | |
|------|------|
| 330' | 24' |
| 331' | 46' |
| 332' | 45' |
| 333' | 44' |
| 334' | 43' |
| 335' | 63' |
| 336' | 62' |
| 337' | 61' |
| 338' | 60' |
| 339' | 79' |
| 340' | 78' |
| 341' | 58' |
| 342' | 77' |
| 343' | 95' |
| 344' | 95' |
| 345' | 94' |
| 346' | 56' |
| 347' | 93' |
| 348' | 111' |
| 349' | 110' |
| 350' | 73' |
| 351' | 91' |
| 352' | 127' |
| 353' | 126' |
| 354' | 126' |
| 355' | 126' |
| 356' | 143' |
| 357' | 107' |
| 358' | 142' |
| 359' | 124' |

| | | |
|------|--------------|----------|
| 360' | 159' | |
| 361' | 141' | |
| 362' | 88' | |
| 363' | 158' | |
| 364' | 175' | |
| 365' | 175' | |
| 366' | 157' | |
| 367' | 122' | |
| 368' | 174' | |
| 369' | 191' | |
| 370' | 156' | |
| 371' | 173' | |
| 372' | 190' | |
| 373' | 207' | |
| 374' | 155' | |
| 375' | 172' | |
| 376' | 189' | |
| 377' | 206' | |
| 378' | 120' | |
| 379' | 137' | |
| 380' | 171' | |
| 381' | 205' | |
| 382' | 239' | |
| 383' | 239' | |
| 384' | 239' | |
| 385' | 255' | |
| 386' | 255' | |
| 387' | QE194+397A26 | P = -1 ? |
| 388' | HAk193+0 | Z |
| 389' | UK2+0 | ⇒ n |

| | |
|-------------------|------------------------------------|
| 390' HAK192+0 | ξ_r |
| 391' UK254+0 | $\Rightarrow V\xi$ |
| 392' HAK191+0 | η_r |
| 393' UK255+0 | $\Rightarrow V\eta$ |
| 394' CHSK194+1 | -1 $\Rightarrow P$ |
| 395' CHAK193+0 | 0 $\Rightarrow Z$ |
| 396' Fo+544A26 | Fahrbeifehl (n, $V\xi$, $V\eta$) |
| 397' QE229+425A26 | Stop -1 ? |
| 398' HAK238+0 | V |
| 399' UK2+0 | |
| 400' HAK220+0 | $\bar{\xi}_0$ |
| 401' UK195+0 | $\Rightarrow \bar{\xi}_r$ |
| 402' QAK235+0 | + η |
| 403' PAK234+0 | + ξ |
| 404' UK220+0 | $\Rightarrow \bar{\xi}_0$ |
| 405' HAK223+0 | $\bar{\eta}_0$ |
| 406' UK196+0 | $\Rightarrow \bar{\eta}_r$ |
| 407' QAK231+0 | + ξ |
| 408' PAK235+0 | + η |
| 409' UK223+0 | $\Rightarrow \bar{\eta}_0$ |
| 410' CHA0+64 | |
| 411' PE244+413A26 | |
| 412' HSK4+0 | 1 Sign ξ_1 (6 Bits) |
| 413' PUK226+0 | $\Rightarrow V_{\bar{x}}$ |
| 414' QUK227+0 | $\Rightarrow V_{\bar{y}}$ |
| 415' CHAK13+?0 | |
| 416' HAK239+0 | $\Delta^1 \eta$ (6 Bits) |
| 417' PPPQQRAK0+0 | |
| 418' PUK227+0 | $\Rightarrow V_{\bar{y}}$ |
| 419' QUK226+0 | $\Rightarrow V_{\bar{x}}$ |

| | |
|--------------------|----------------------------------|
| 420' HAK222+0 | $\bar{\xi}_2$ |
| 421' UK221+0 | $\Rightarrow \bar{\xi}_1$ |
| 422' HAK225+0 | $\bar{\eta}_2$ |
| 423' UK224+0 | $\Rightarrow \eta_1$ |
| 424' KE251+0 | RspS. |
| 425' HAK234+0 | ξ |
| 426' SK233+0 | $-\xi_e$ |
| 427' PPQQE0+431A26 | |
| 428' QQNSK1+0 | $ \xi - \xi_e $ |
| 429' UK231+0 | $\Rightarrow \Delta \xi$ |
| 430' KE203+0 | |
| 431' CHAK2+4 | 4 \Rightarrow n |
| 432' CHAK254+0 | o \Rightarrow V ξ |
| 433' CHAK255+0 | o \Rightarrow V ξ |
| 434' Fo+551A26 | Wurdbefehl (4, o, o) |
| 435' HAK233+0 | V |
| 436' UK2+0 | |
| 437' HAK195+0 | ξ_r |
| 438' QAK235+0 | + η |
| 439' PAK234+0 | + η |
| 440' UK220+0 | $\Rightarrow \xi_c$ |
| 441' HAK196+0 | η_r |
| 442' QAK234+0 | + ξ |
| 443' PAK235+0 | + η |
| 444' UK223+0 | $\Rightarrow \eta_o$ |
| 445' CHAK230+1 | 1 \Rightarrow v Pun'tzähler |
| 446' CHSK238+1 | -1 \Rightarrow Start |
| 447' CHAK229+0 | o \Rightarrow Stop |
| 448' CHAK226+0 | o \Rightarrow V $_x$ |
| 449' CHAK227+0 | o \Rightarrow V $_y$ |

| | | | |
|-------|-----------------|---|---------------------------|
| 450' | KE251+0 | Rspg. | |
| 451' | o | n^0_x | |
| 452' | o | n^0_y | |
| <hr/> | | | |
| 453' | HUK226+0 | $o \Rightarrow V_x$ | Anfangstart |
| 454' | HUK227+0 | $o \Rightarrow V_y$ | |
| 455' | Uo+451A26 | $o \Rightarrow n^0_x$ | |
| 456' | Uo+452A26 | $o \Rightarrow n^0_y$ | |
| 457' | HUK230+0 | $o \Rightarrow V$ | |
| 458' | CHSK228+1 | $-1 \Rightarrow$ | Start |
| 459' | HUK229+0 | $o \Rightarrow$ | Stop |
| 460' | CHSK19c+1 | $-1 \Rightarrow$ | S |
| 461' | CHAK13+21 | | |
| 462' | HAV19B+811A26 | | |
| 463' | KE5+0 | Rspg. | |
| <hr/> | | | |
| 464' | UK6+0 | | Sonderkommando |
| 465' | HLLRAKV5+0 | | |
| 466' | UK11+0 | Rad \rightarrow | 11 |
| 467' | CHAK254+0 | $o \Rightarrow V\xi$ | |
| 468' | CHAK255+0 | $o \Rightarrow V\eta$ | |
| 469' | CHAK2+1 | $2 \Rightarrow$ | n |
| 470' | Fo+551A26 | | Fahrbehl (2, o, o) |
| 471' | HLLRAGV6+484A26 | | |
| 472' | FK4+8191 | | |
| 473' | YEo+5o1A26 | | Stift Wechsel ? |
| 474' | UK6+0 | | |
| 475' | CUSo+1 | $4 - \langle a \rangle \rightarrow a$ | |
| 476' | PPCHAK19o+0 | $\langle a \rangle \geq o \Rightarrow$ | S (Stift(1,2,3,4) senken) |
| 477' | QQCHSK19o+1 | $\langle a \rangle < o - 1 \Rightarrow$ | S (alle stift heben) |
| 478' | NAK6+0 | | |
| 479' | CHAK13+6 | | |

| | | | | | |
|-------|---|-----------------|--------------------------|---------------|---------------------------|
| 480' | PPPQQQRAK ₀₊₀ | | | | |
| 481' | NAK ₃₊₀ | | | | |
| 482' | UK ₁₊₀ | | | | |
| 483' | KE ₁₁₊₀ | | | | |
| 484' | CNA ₀₊₀ | n_x oo | n_y oo | n 0 | } Stifte Koordinaten |
| 485' | CNA ₀₊₈ | Lo | oo | 1 | |
| 486' | CNA ₀₊₁₀ | Lo | Lo | 2 | |
| 487' | CNA ₀₊₂ | oo | Lo | 3 | } tichel Koordinaten |
| 488' | CNA ₀₊₅ | oL | oL | 4 | |
| 489' | CNA ₀₊₁ | | | 5 | Stift 1 senken |
| 490' | CNA ₀₊₂ | | | 6 | " 2 " |
| 491' | CNA ₀₊₃ | | | 7 | " 3 " |
| 492' | CNA ₀₊₄ | | | 8 | " 4 " |
| 493' | CNA ₀₊₆ | | | 9 | Punktstechen |
| 494' | CNA ₀₊₅ | | | 10 | alle Stifte heben |
| 495' | CNA ₀₊₁₁ oder CNA ₀₊₇ | | | 11 | Zwischen Stop |
| 496' | CNA ₀₊₈ | | | 12 | Gravierstift links drehen |
| 497' | CNA ₀₊₉ | | | 13 | " rechts " |
| 498' | CNA ₀₊₁₀ | | | 14 | Nullkreis drehen |
| 499' | ZEO ₊₁₅ | | | | |
| 500' | ZEO ₊₁₆ | | | | |
| <hr/> | | | | | |
| 501' | UK ₆₊₀ | Stiftwechsel | | | |
| 502' | CUA ₀₊₃ | | | | |
| 503' | UK ₅₊₀ | n_y^1 | \rightarrow | 5 | |
| 504' | S5+452A26 | $n_y^1 - n_y^0$ | $\Rightarrow \Delta n_y$ | \rightarrow | 5 |
| 505' | Uo+452A26 | n_y^1 | $\Rightarrow n_y^0$ | | |
| 506' | NAK ₆₊₀ | | | | |
| 507' | RAK ₀₊₀ | | | | |
| 508' | RAK ₀₊₀ | | | | |
| 509' | UK ₆₊₀ | \Rightarrow | n_x^1 | | |

| | |
|--------------------|--|
| 510' S6+451A26 | $n^1_x - n^0_x \Rightarrow \Delta n_x$ |
| 511' Uo+451A26 | $n^1_{\bar{x}} \Rightarrow n^0_{\bar{x}}$ |
| 512' HLLRAKY5+o | $\Delta n_{\bar{y}}$ |
| 513' PPQQAkHo+o | |
| 514' HAK6+o | Δn_x |
| 515' PPQQYKE11+o | $\Delta n_x = \Delta n_y = 0 ?$ |
| 516' CNAK3+8 | $8 \Rightarrow n$ (für $\frac{1}{16}$ Schritt) für $\frac{1}{32}$ CNAK3+16 |
| 517' HAK5+o | Δn_y |
| 518' QQHSA4+o | $ \Delta n_y $ |
| 519' CSo+2 | |
| 520' PPQQEo+525A26 | $\Delta n_y = 2 ?$ |
| 521' HAK6+o | Δn_x |
| 522' QQHSA4+o | $ \Delta n_x $ |
| 523' CSo+2 | |
| 524' QQHEo+526A26 | $\Delta n_x < 2 ?$ |
| 525' CAK3+8 | $n+8 \Rightarrow n$ (für $\frac{1}{16}$ Schritt) für $\frac{1}{32}$ CAK 3+16 |
| 526' HAK6+o | Δn_x |
| 527' PPQQEo+53oA26 | $\Delta n_x = 0 ?$ |
| 528' PPCNAo+15 | |
| 529' QQCNSo+15 | $15 \text{ Sign } \Delta n_x \Rightarrow V\xi$ |
| 530' UK25A+o | $\Rightarrow \Delta y$ |
| 531' HAK5+o | Δn_y |
| 532' PPQQEo+535A26 | |
| 533' PPCNAo+15 | |
| 534' QQCNSo+15 | $15 \text{ Sign } \Delta n_y \Rightarrow V\eta$ |
| 535' UK255+o | $\Rightarrow \Delta x$ |
| 536' HAK3+o | π |
| 537' UK2+o | $\Rightarrow n$ |
| 538' Fo+551A26 | Fahrbefehl $(n, \Delta x, \Delta y)$ |
| 539' CHAK25A+o | $0 \Rightarrow \Delta x$ |

| | | |
|-------------------|--------------------------|---|
| 540' CHAK255+0 | $o \Rightarrow \Delta y$ | |
| 541' CHAK2+8 | $8 \Rightarrow n$ | |
| 542' Fo+551A26 | Fährbefehl (8,0 0) | |
| 543' KE11+0 | Rspg. | |
| 544' PE23B+551A26 | $V = -1$ | Unterprogramm für Fährbefehl (n, $V\xi$, $V\eta$ Instanzen) |
| 545' HAK254+0 | $V\xi$ | |
| 546' UK6+0 | Zwischenspeicher | |
| 547' HAK255+0 | $V\eta$ | |
| 548' UK254+0 | $\Rightarrow \Delta x$ | |
| 549' HAK6+0 | $V\xi$ | |
| 550' UK255+0 | $\Rightarrow \Delta y$ | |
| 551' HAK2+0 | n | |
| 552' CS0+16 | -16 | |
| 553' PPCS2+16 | $n \geq 16 ?$ | $n-16 \Rightarrow n$ |
| 554' QQCHAK2+0 | $n < 16$ | $o \Rightarrow n$ |
| 555' PPCNA0+16 | $n \geq 16 ?$ | |
| 556' CUA0+31 | | |
| 557' CA0+32 | | |
| 558' PPPQQRAKV0+0 | | |
| 559' HAK3+0 | | |
| 560' UK1+0 | | |
| 561' HAK254+0 | Δx | |
| 562' PPQQCNA0+16 | | |
| 563' CUA0+31 | | |
| 564' CA0+32 | | |
| 565' PPPQQRAKV0+0 | | |
| 566' HAK3+0 | | |
| 567' UK1+0 | | |
| 568' HAK255+0 | Δy | |
| 569' PPQQCNA0+16 | | |

570' CUA₀+31
 571' CA₀+32
 572' PPPQQRAKV₀+₀
 573' NAK₃+₀
 574' UK₁+₀
 575' NAK₂+₀
 576' PPQQKE₅+₀
 577' E₀+551A26

$n = 0 ?$

578' SK₂+₀

$$|\eta| - |\xi|$$

Gerade Prog.

579' PPQQE₀+594A26

580' QONE₀+594A26

$$|\xi| \geq |\eta| ?$$

581' NAK₂₄₆+₀

582' UK₆+₀

583' NAK₂₄₇+₀

584' UK₂₄₆+₀

585' NAK₆+₀

586' UK₂₄₇+₀

587' NAK₂₅₄+₀

588' UK₆+₀

589' NAK₂₅₅+₀

590' UK₂₅₄+₀

591' NAK₆+₀

592' UK₂₅₅+₀

$$\begin{aligned} \xi &\Rightarrow \eta \\ \eta &\Rightarrow \xi \\ \forall \xi &\Rightarrow \forall \eta \\ \forall \eta &\Rightarrow \forall \xi \end{aligned}$$

593' CWS₀+₁

$$-1 \Rightarrow \forall$$

594' UK₂₃₈+₀

$$0 \Rightarrow \forall$$

595' NAK₂₄₇+₀

$$\eta$$

596' QE₁₉₀+742A26

$$S = -1 \quad \text{gehoben Stift ?} \quad 45^{\circ} \text{ Fahren ?}$$

597' PQLLKE₀+8185

14 Bits

598' UK₆+₀

599' NAK₂₄₆+₀

$$\xi$$

| | | |
|--------------------|---|------------|
| 600' Fo+424 | $\frac{\eta}{\xi}$ | |
| 601' UK232+0 | $\Rightarrow \text{tg} \cdot \varphi$ | (14 Bits) |
| 602' CHAK13+7 | | |
| 603' HAK6+0 | φ | |
| 604' QQNSK4+0 | $\text{Tg} \cdot \varphi $ | |
| 605' PPPQQRAK0+0 | } Aufrundung 6 Bits | |
| 606' CA0+1 | | |
| 607' RAK0+0 | | |
| 608' HAGA+322A26 | $F([\varphi]_{64}^{-1}) \Rightarrow V\xi$ | |
| 609' CUA0+15 | | |
| 610' PE216+612A26 | | |
| 611' HSK4+0 | $V\xi \text{ Sign } \xi_1 \Rightarrow V\xi$ | |
| 612' UK240+0 | $V\xi \Rightarrow 240$ | |
| 613' UK6+0 | | |
| 614' HAK232+0 | $\text{tg} \varphi$ | |
| 615' Fo+361 | $V\xi \cdot \text{tg} \varphi$ | |
| 616' CHAK13+14 | | |
| 617' CHAK3+0 | | |
| 618' PPPQQRAK0+0 | $\Rightarrow V\eta$ | $r \geq 3$ |
| 619' HUK241+0 | $V\eta \Rightarrow 241$ | |
| 620' HRAKV246+0 | $\frac{r}{2} \Rightarrow r \geq 3$ | |
| 621' UK6+0 | | |
| 622' HAK3+0 | | |
| 623' HUK232+0 | $r \geq 232$ | |
| 624' HUK248+0 | $o \Rightarrow \xi^x$ | |
| 625' HUK250+0 | $o \Rightarrow \eta^x$ | |
| 626' HAK240+0 | $V\xi$ | |
| 627' Fo+424 | $\frac{\xi}{V\xi} \Rightarrow N$ | |
| 628' PPQQE0+682A26 | $N = o ?$ | |
| 629' HUK243+0 | $N \geq 243$ | |

| | |
|--------------------|---|
| 630' HUK242+o | $o \Rightarrow n'$ |
| 631' HUK244+o | $o \Rightarrow rs$ |
| 632' HUK2+o | $o \Rightarrow \mu$ |
| 633' HUK245+o | $o \Rightarrow \text{üb} (o \Rightarrow \text{Sign})$ |
| 634' CUASK232+4o96 | |
| 635' PPQEQo+7o4A26 | $r = o ?$ |
| 636' HAK244+o | r_s |
| 637' AK232+o | $+r$ |
| 638' UK244+o | $\Rightarrow r$ |
| 639' PE245+645A26 | $\text{üb} = o ? \text{Sign} = o ?$ |
| 640' PE244+659A26 | $r_s < 1 ?$ |
| 641' HAK244+o | r_s |
| 642' AK1+o | -1 |
| 643' UK244+o | $r_s - 1 \Rightarrow r_s$ |
| 644' Eo+646A26 | |
| 645' QE244+668A26 | $r_s \geq 1 ?$ |
| 646' CAK2+1 | $\mu + 1 \Rightarrow \mu$ |
| 647' HAK248+o | ξ^x |
| 648' AK24o+o | $+V\xi$ |
| 649' UK248+o | ξ^x |
| 650' HAK25o+o | η^x |
| 651' AK241+o | $+ V\eta$ |
| 652' SK245+o | $+ \text{üb.} (+\text{Sign}) - (-1) = +1$ |
| 653' UK25o+o | $\Rightarrow \eta^x$ |
| 654' CAK242+1 | $n' + 1 \Rightarrow n'$ |
| 655' HAK242+o | n' |
| 656' SK243+o | $-H$ |
| 657' QQEQo+636A26 | $n' < H ?$ |
| 658' Eo+676A26 | |
| 659' HAK24o+o | $V\xi$ |

| | |
|---------------------|---------------------------------------|
| 660' UK254+0 | $\Rightarrow 254$ |
| 661' HAK241+0 | $V\eta$ |
| 662' CA0+1 | +1 |
| 663' UK255+0 | $\Rightarrow V\eta$ |
| 664' Fo+544A26 | Fahrbehl (n, $V\xi$, $V\eta + 1$) * |
| 665' CHAK245+0 | 0 \Rightarrow Sign oder (üb.) |
| 666' CHAK2+0 | 0 $\Rightarrow \mu$ |
| 667' Eo+646A26 | |
| 668' HAK240+0 | $V\xi$ |
| 669' UK254+0 | $\Rightarrow 254$ |
| 670' HAK241+0 | $V\eta$ |
| 671' UK255+0 | $\Rightarrow 255$ |
| 672' Fo+544A26 | Fahrbehl (n, $H\xi$, $V\eta$) * |
| 673' CHSK245+1 | -1' \Rightarrow üb. (Sign) |
| 674' CHAK2+0 | 0 $\Rightarrow \mu$ |
| 675' Eo+641A26 | |
| 676' HAK240+0 | $V\xi$ |
| 677' UK254+0 | $\Rightarrow 254$ |
| 678' HAK241+0 | $V\eta$ |
| 679' SK245+0 | + üb. (+Sign) $-(-1) = 1$ |
| 680' UK255+0 | $\Rightarrow V\eta$ |
| 681' Fo+544A26 | Fahrbehl (n, $V\xi$, $V\eta$) * |
| 682' HLLRAKV246+0 | ξ |
| 683' SK248+0 | $-\xi^x$ |
| 684' UK254+0 | $\Rightarrow V\xi$ |
| 685' PPQQAkHo+0 | |
| 686' HAK247+0 | η |
| 687' SK250+0 | $-\eta^x$ |
| 688' UK255+0 | $\Rightarrow V\eta$ |
| 689' PPQQYEo+695A26 | $\xi - \xi^x = \eta - \eta^x = 0 ?$ |

* $\langle 2 \rangle \Rightarrow \mu \Rightarrow n$

| | |
|------------------|-----------------------------------|
| 690' CHAK2+1 | $1 \Rightarrow \mu \Rightarrow n$ |
| 691' QQNSK4+o | |
| 692' CS0+16 | $\eta - \eta^x \geq 16$ |
| 693' PPE0+647A26 | |
| 694' Fo+544A26 | Fahrbeehl (1, $V\xi$, $V\eta$) |
| 695' CHAK2+4 | $4 \Rightarrow n$ |
| 696' CHAK254+o | $o \Rightarrow V\xi$ |
| 697' CHAK255+o | $\setminus o \Rightarrow V\xi$ |
| 698' Fo+551A26 | Fahrbeehl (4, o, o) |
| 699' HAK221+o | $\bar{\xi}_1$ |
| 700' UK220+o | $\Rightarrow \bar{\xi}_o$ |
| 701' HAK224+o | $\bar{\eta}_1$ |
| 702' UK223+o | $\Rightarrow \eta_o$ |
| 703' KE251+o | Rspg. |
| 704' HAK240+o | $V\xi$ |
| 705' UK6+o | |
| 706' HAK243+o | Π |
| 707' Fo+361 | $V\xi \cdot \Pi$ |
| 708' UK248+o | $\Rightarrow \xi^x$ |
| 709' HAK241+o | $V\eta$ |
| 710' UK6+o | |
| 711' HAK243+o | Π |
| 712' Fo+361 | $\Pi \cdot V\eta$ |
| 713' UK250+o | $\Rightarrow \eta^x$ |
| 714' HAK240+o | $V\xi$ |
| 715' UK254+o | $\rightarrow 254$ |
| 716' HAK241+o | $V\eta$ |
| 717' UK255+o | $\rightarrow 255$ |
| 718' HAK243+o | Π |
| 719' UK2+o | $\Rightarrow n$ |

| | | | |
|-------|------------------|---------------------------------------|---------------------|
| 720' | UK242+0 | $\Rightarrow n'$ | |
| 721' | Eo+544A26 | F: hrbefehl (n, $V\xi$, $V\eta$) | |
| 722' | Eo+682A26 | | |
| <hr/> | | | |
| 723' | HAK5+0 | Kurve Stop | |
| 724' | UK251+0 | | |
| 725' | CUAK230+3 | | |
| 726' | PPQKE251+0 | $V = 0$? Rspg. | |
| 727' | CS0+1 | $V = 1$ | |
| 728' | PPPQEE197+736A26 | $b = 0$ $V = 1$? Gerade Prog. | |
| 729' | PPQEEo+446A26 | $b = -1$ $V = 1$? Rspg. | |
| 730' | CNSK229+1 | $-1 \Rightarrow$ Stop | $v = 2$ |
| 731' | CNAK193+0 | $0 \Rightarrow Z$ | |
| 732' | CNSK194+1 | $-1 \Rightarrow P$ | |
| 733' | HAK245+0 | $\xi 2$ | |
| 734' | UK233+0 | $\Rightarrow \xi_e$ | |
| 735' | KE198+0 | | |
| 736' | CNSK240+1 | $-1 \Rightarrow G$ | |
| 737' | CNSK228+1 | $-1 \Rightarrow$ Start | |
| 738' | CNAK229+0 | $0 \Rightarrow$ Stop | |
| 739' | CNAK226+0 | $0 \Rightarrow V_x$ | |
| 740' | CNAK227+0 | $0 \Rightarrow V_y$ | |
| 741' | Eo+36A26 | | |
| <hr/> | | | |
| 742' | UK6+0 | $\eta \rightarrow 6$ | mit gehobenem Stift |
| 743' | QONSK4+0 | $ \eta $ | 45° Fahren |
| 744' | CS0+15 | | |
| 745' | PPQEEo+771A26 | $\eta = 15$? | |
| 746' | PPEo+755A26 | $\eta > 15$? | |
| 747' | HAK247+0 | η | |
| 748' | UK255+0 | $\Rightarrow V_\eta$ | |
| 749' | PPPE246+751A26 | $ \eta $ Sign. $\xi \Rightarrow V\xi$ | |

| | | |
|------|---------------|--|
| 750' | NSK4+o | |
| 751' | UK254+o | $\Rightarrow V\xi$ |
| 752' | CHAK2+1 | $1 \Rightarrow n$ |
| 753' | Fo+544A26 | Fahrbeehl (1, $V\xi$, $V\eta$) |
| 754' | Eo+773A26 | |
| 755' | NAK255+o | $V\eta$ |
| 756' | Fo+42A | $\frac{\eta}{V\eta}$ |
| 757' | UK6+o | $\Rightarrow n$ r (rest) $\rightarrow 2$ |
| 758' | NAK2+o | r |
| 759' | UK232+o | $\rightarrow 232$ |
| 760' | NAK6+o | Π |
| 761' | UK2+o | $\Rightarrow n$ |
| 762' | Fo+544A26 | Fahrbeehl (n, $V\xi$, $V\eta$) |
| 763' | NAK232+o | r |
| 764' | PPQQEo+773A26 | r = o ? |
| 765' | UK254+o | $\rightarrow 254$ |
| 766' | PE247+763A26 | |
| 767' | NSK4+o | |
| 768' | UK255+o | r Sign $\eta \Rightarrow V\eta$ |
| 769' | NAK246+o | ξ |
| 770' | QQCUSK254+o | r Sign $\xi \Rightarrow V\xi$ |
| 771' | CHAK2+1 | $1 \Rightarrow n$ |
| 772' | Fo+544A26 | Fahrbeehl (1; $V\xi$, $V\eta$) |
| 773' | NAK246+o | ξ |
| 774' | UK2+o | $\rightarrow 2 !!$ |
| 775' | QQNSK4+o | $ \xi $ |
| 776' | UK3+o | |
| 777' | NAK247+o | η |
| 778' | QQNSK4+o | $ \eta $ |
| 779' | USK3+o | $ \xi - \eta \Rightarrow \xi $ |

| | |
|--------------------|---|
| 780' PPQQE0+695A26 | $\xi = 0 \quad P_1 \Rightarrow P_0 \quad \text{Rsp.}$ |
| 781' CHAK255+0 | $0 \Rightarrow V\eta$ |
| 782' QUSK4+0 | $ \xi \text{ Sign } \xi \Rightarrow \xi$ |
| 783' UK6+0 | |
| 784' PPCNAK254+15 | |
| 785' QQCHSK254+15 | $15 \text{ Sign } \xi \Rightarrow V\xi$ |
| 786' QQNSK4+0 | $ \xi $ |
| 787' CS0+15 | |
| 788' PPQQE0+807A26 | $ \xi = 15$ |
| 789' PPE0+794A26 | $ \xi > 15$ |
| 790' NAK6+0 | ξ |
| 791' UK254+0 | $\Rightarrow V\xi$ |
| 792' CHAK2+1 | $1 \Rightarrow n$ |
| 793' F0+544A26 | Fahrbe fehl (1, $V\xi$, $V\eta$) |
| 794' NAK254+0 | $V\xi$ |
| 795' F0+424 | : |
| 796' UK6+0 | $\Rightarrow n \quad r \text{ (Rust)} \rightarrow 2$ |
| 797' NAK2+0 | r |
| 798' UK232+0 | $\rightarrow 232$ |
| 799' NAK6+0 | Π |
| 800' UK2+0 | $\Rightarrow n$ |
| 801' F0+544A26 | Fahrbe fehl (n, $V\xi$, $V\eta$) |
| 802' NAK232+0 | r |
| 803' PPQQE0+695A26 | $r = 0$ |
| 804' PE246+806A26 | |
| 805' NSK4+0 | $r \text{ Sign } \xi \Rightarrow V\xi$ |
| 806' UK254+0 | $\rightarrow 254$ |
| 807' CHAK2+1 | $1 \Rightarrow E$ |
| 808' CHAK255+0 | $0 \Rightarrow V\eta$ |
| 809' F0+544A26 | Fahrbe fehl (1, $V\xi$, 0) |

| | |
|------------------|------------------------------|
| 810' Eo+695A26 | $P_1 \Rightarrow P_0$ Rspg. |
| 811' NAK231+o | ξ |
| 812' SK233+o | $-\xi_e$ |
| 813' QQNSK4+o | $ \xi - \xi_e $ |
| 814' SK231+o | $-\Delta \xi$ |
| 815' QOEo+387A26 | $ \xi - \xi_e < \Delta \xi$ |
| 816' NSK231+o | $-\Delta \xi$ |
| 817' UK2+o | $\Rightarrow \mu$ |
| 818' NAK250+o | η^x |
| 819' AK239+o | $+\Delta^1 \eta$ |
| 820' UK250+o | $\Rightarrow \eta^x$ |
| 821' QQNSK4+o | |
| 822' SK248+o | $ \eta^x - 15$ |
| 823' PPEo+25BA26 | $ \eta^x \geq 15$ |
| 824' CAK2+1 | $\mu + 1 \Rightarrow \mu$ |
| 825' NAK239+o | $\Delta^1 \eta$ |
| 826' AK240+o | $+\Delta^2 \eta$ |
| 827' UK239+o | $\Rightarrow \Delta^1 \eta$ |
| 828' NAK240+o | $\Delta^2 \eta$ |
| 829' AK241+o | $+\Delta^3 \eta$ |
| 830' UK240+o | $\Rightarrow \Delta^2 \eta$ |
| 831' QKE2o5+o | $\mu < 0 ?$ |
| 832' Eo+261A26 | |