

*Lectures*

GOETHE

FAUST

*How*

*to*



# ZUEIGNUNG

1. 1. 1. E, zweifelt,  
1. 1. 1. 2. 1. 1. 1. 1.  
1. 1. 1. 1. 1. 1. 1. 1.  
1. 1. 1. 1. 1. 1. 1. 1.  
1. 1. 1. 1. 1. 1. 1. 1.  
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1. 1. 1. 1. 1. 1. 1. 1.  
- 1. 1. 1. 1. 1. 1. 1. 1.

2/1/5, 2/1/10

2/1/15 - 2/1/20;

2/1/25, - 2/1/30

2/1/35, 2/1/40,

2/1/45, 2/1/50

2/1/55, 2/1/60

2/1/65, 2/1/70,

2/1/75, 2/1/80;

2/1/85, 2/1/90,

2/1/95, 2/1/100

2/1/105, 2/1/110,

2/1/115, 2/1/120,

- co) o d ~ v r e l s s

c - 2 d, N i c h t s s

- P d l ~ n d x l o n

D l e g e n, n o t v o l s,

- g u ~ z p f t l e n

z f r e l, z o n d s,

~ z l b o p, l e l d ~ l e n,

e f r z y, - b l ) v e - s;

c o, l o f, o, o r c s,

- c o g e, v j o n.

# VORSPIEL AUF DEM THEATER

entw. unabh. f. Co.

entw.:

$\wedge \vee, \wedge \vee \rightarrow \vee$ ,

$\vee \rightarrow \wedge, \vee \wedge \rightarrow \vee$ ,

$\wedge, \vee \wedge \rightarrow \wedge$

Satzlogik?

$\rightarrow \wedge \rightarrow \vee$  ja,

$\wedge \rightarrow \vee$  ja.

$\vee \rightarrow \wedge$  ja,

$\rightarrow \wedge \rightarrow \vee$  ja.

6 of 222222  
per-222222  
100,000 ~ 2600000;  
2 - 222222  
2^2 ~ 222222,  
222222  
222222 - 222222  
- 222222 ?  
222222, 222222,  
c) 222222,  
- 222222  
222222;  
222222,





c h - l e f i s s y o n  
22 n o e g h - l e n .

D! c o r d e 4 5 e s t h e ,  
c o ) , h e g h e n y e d ,  
w a n h - h e s p e n ,  
g h t o d e n n e r o p d .  
h , c - h e p h e n ,  
g h - z e n e n p d .  
c o z y ; l ~ n e r p e n ,  
e h e d - h e p e n .

*Handwritten text in red ink:*

$c_1 \rightarrow 95 \sim 200 \sim 2$

$pf, e_1 \sim 200 \sim 2$

$c_1 \sim 200 \sim 2$

$\sim 6 \sim 2$

$1, m \sim 200 \sim 2$

$; e_1, m \sim 200$

$c_1 \sim 200 \sim 2$

$\sim 200 \sim 2$

$\sim 200 \sim 2$

$\sim 200 \sim 2$

$e_1 \sim 200 \sim 2$

$\sim 200 \sim 2$

will, ge, qe, sef,  
e, wnt / c.!! - ~ ~ ~ ~ ~

~~ent~~:

\* u b p p i!  
w ~ ~ ~ ~ ~  
'So ~ ~ ~ ~ ~  
— e, w f e t h r,  
e s r z i l ~ ~ ~ ~ ~  
r ~ ~ ~ ~ ~  
i, w ~ ~ ~ ~ ~  
~ t e r d ) r e b c o e.  
a s o l w, ' w d r k o l w;

-ten vfler  $\sigma^2 z_0$ .

$w_1 \sim g, -w_2 \sim g_2$ !

$g \sim v_1, -v_0 \sim m;$

$N_1 \sim p_1, -N_0 \sim q_1.$

$\cos \theta, \sigma_1 \sim v_0 q_1!$

$e \cos \theta \sim \theta$ .

*h:*

$\wedge b_1, \sigma_1 \sim 2 \cos \theta!$

$\sigma \cos \theta \sim \theta$ !

$\sim \sin \theta$

$;\sin \theta \sim \theta$ .

ent:

~ 2 a b b p m t:

~ 2, 1 j o m e n t,

20 5 e b c y j 2 t.

u e n t, 1 2 1 c 2 2 j j p t,

- 0 1 2, l a r j t!

c o r r e c t e d,

~ 2 l o s t 2 2 2,

- , c o e r p t e d,

2 2 2 2 2 2 2 2 2 2 2 2.

2 2 2 2 2 2, 0 1 ~ 2 0 2 2,

- ~ 2 2 2 2 2 2 2 2;

1 0 2 2 2) - 2 2 2 2 2

-  $\mu \rightarrow \eta$ ?

$\text{col } \mu \sim \text{col } \nu$ ?

$\text{col } \mu \sim \text{col } \nu$ ?

$\text{col } \mu \sim \text{col } \nu$ ?

$\text{col } \mu \sim \text{col } \nu$ ,  $\text{col } \mu \sim \text{col } \nu$ .

$\text{col } \mu \sim \text{col } \nu$ ,  $\text{col } \mu \sim \text{col } \nu$ ;

$\text{col } \mu \sim \text{col } \nu$ .

$\text{col } \mu \sim \text{col } \nu$ ,

$\text{col } \mu \sim \text{col } \nu$ ?

$\text{col } \mu \sim \text{col } \nu$ ,  $\text{col } \mu \sim \text{col } \nu$ ,

$\text{col } \mu \sim \text{col } \nu$

$\text{col } \mu \sim \text{col } \nu$ ,

$\text{col } \mu \sim \text{col } \nu$ ;

collected by you and you?

Dr.:

no-der ~ e nll!

sh<sup>t</sup> c e z b b,

e z g n b, e r n n n n,

re n n n n n n!

c e u d, e z g n?

c e u d, e o n n?

i n n n, e<sup>2</sup> b o n,

- z o z y, d x z n?

c, n n n n n n,

z h e x, s, g e g n,

concordia

concordia

concordia

concordia

concordia

concordia

concordia

concordia

concordia

concordia

concordia

concordia

concordia



oxygen, red lead.

of Co:

— Ueber, german

— Ueber, german

oxygen, red lead.

— Ueber, german

— Ueber, german

— Ueber, german

— Ueber, german

— Ueber, german

— Ueber, german

— Ueber, german

~ der 10, 1 der 10 und,  
- C 10 C, es 10 mod.

~ W 10 C 10 C,  
1 N<sup>10</sup> - ~ 10 C 10 C,

- 1<sup>10</sup> 10 C 10 C,

~ 10 C 10 C - 10 C,

~ 10 C 10 C 10 C 10 C

~ 10 C 10 C 10 C 10 C,

~ 10 C 10 C 10 C 10 C

~ 10 C 10 C 10 C 10 C,

~ 10 C 10 C 10 C 10 C

~ der 10, 10 - 10 C 10 C.

~ 10 C 10 C 10 C 10 C,

o m d ~ g r t s ) r z i ;  
a b l ; 2 . 9 R / v h i ;  
~ o e r p e n t o .

h.

— r v D , f ~ E ,  
e s , 2 6 R ~ a ,  
e s ) ~ E p t h  
M h ~ s p ,  
e s r v , d s t ,  
i m f a e 2 p ,  
e s , 1 6 e h u D ,  
i e h ~ 2 b t .

149 - 277:

~ er 200 - 1. 6. 14.

er 200 L 14,

er 200, 277,

er 200, 1. 6. 14,

er 200 14!

14 14:

14 14, 14 14, 14 14,

14 14 14 14,

14 14 14 14

14 14 14 14,

14 14 14 14

2g ✓ by our,  
c D<sup>2</sup> all the way  
1. 2g 2000 km.  
2. 2g 2000 km.  
3. 2g 2000 km.  
4. 2g 2000 km.  
5. 2g 2000 km.  
6. 2g 2000 km.  
7. 2g 2000 km.  
8. 2g 2000 km.  
9. 2g 2000 km.  
10. 2g 2000 km.

ent:

ent<sup>2</sup> m p d,

b p d r e m s!

z r n s u t d,

n k o n t o p u.

c o s t l l, f s g y e r?

z f e w e n g t o n.

w r s u e l l e m,

— n v e t, C o b.

s u n t, c o r u e h,

r — e n g e n p e r z h;

n b v p p e r!

c o s t l p t; z u n l p u,

- ~ n° ~ lo,

erz° ~ go

syf → sygl lo,

- er/lo

- om/c, c. ro.

rd, s i r u

l w ~ te, co. v;

erz ~ v ~ n

l g t | - | y u.

pe lo, ~ r e s s,

1 g u e l t r g e i;

~ c o, l z, l e r c e,

$\sim \nu - \text{Lend} / 1.$

$- f^2 \sim \nu \omega_0$

$\sim \nu \omega_0 \sim \nu \omega_0,$

$- \omega_0 \sim \nu \omega_0$

$\text{Lend} / 2.$



# PROLOG IM HIMMEL

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

1. Phosphor  
2. Zinn.

Ne:

- zu - Phosphor

er) vor re N;

- Do / C<sub>60</sub>

2. H<sub>2</sub> / Zinn.

- zu / er / C<sub>60</sub>

re / H<sub>2</sub> / C<sub>60</sub>,

- C<sub>60</sub> - H<sub>2</sub>

re / H<sub>2</sub> / C<sub>60</sub>.

12:

- gebrüch  
Lr 60, Lr 60,

- verne -

1/2 0, 1/2 0.

er 1/2 - 1/2 0

2/2 0 - 0 0.

de 1/2, 2, 1/2

er 1/2 0 0.

13:

1/2 1/2 - 1/2 0,

er 1/2 1/2,

- e e z z c v

z z o n t n.

df. Co.

e e, - z, p ~ r e n b

- h, a ~ o) v s d e,

- g v o d f u m b,

- b e v d s r p e.

y, i n / z z c t d e,

- c v d' u y r o s d;

z a o l d p p o j d,

d e o l e d u y d.

S o i' - d' c o, i / o n,

102  $\rightarrow$  (0), 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

2x:

29 v c / j o n ?

~ d e t m y n ?

5 r e d o r i s ?

2/3 lo:

~ 2 ! , l e , e d , o m , z y j l .

1 2 3 e n p 2 m h u n ,

1 2 3 ~ n , n e b / G n .

2x:

~ d e t ~ l f ?

2/3 Co.

~ 2!

2/3:

~ 2!

2/3 Co.

1/2, 1/2, 1/2, 1/2.

1/2, 1/2, 1/2, 1/2.

~ 1/2, 1/2, 1/2, 1/2,

1/2, 1/2, 1/2, 1/2;

1/2, 1/2, 1/2, 1/2

- 1/2, 1/2, 1/2, 1/2,

-e ~ s - e lu  
det /, det 4.

2:

c, v D → c, v ed,

- c, v ~ c, v, v lu.

c, v d ~ w, c, v d w,

e, v - d, v ~ l, v lu.

3:

c, v c, v ~ d, v ~ w, v!

c, v, v, w, w,

~ v f, d, v lu.



2x:

— r, s, r, e, d,

— r, e, o, l, e, n,

— N, r, g — r, f, d.

2/3 lo:

e, e, r, 1, 2; e, 2, ~, 1, 2

o, 1, p, r, o, m, e, n, t, u, r.

r, 2, b, 1, v, 1, e, n, t, u, r.

l, 2, r, 2, e, v, 1, 2, o, i;

v, 2, 1, o, 1, 2, 2, 2.

2x:

~ 2, - 10 5.0!

p r r b s o r k a,

- b r, r g r b o,

s e r o r a,

- p y d, c e u m r b:

~ 2 2 p, z o r e m r,

. j o r o o c u b.

2x lo:

24! - 10 1. r.

v. l r a r u.

c, / 2 r p r,

Wahrheitserhellung.

gibt, -2.6,

oder, -2.6.

2:

gebildet, -2.6;

2.6.2.6.

2.6.2.6,

2.6.2.6.

2.6.2.6.2.6.2.6.

2.6.2.6.2.6.2.6.

2.6.2.6.2.6.2.6.

2.6.2.6.2.6.2.6.2.6.

Dr, the now,  
L, S, V, S, S, S, S, S, S!  
e, e, e, e, e, e, e, e,  
do, do, do, do, do, do,  
- co, co, co, co, co, co,  
do, do, do, do, do, do!

~ x, y, z, w, v, u, t, s, r, q, p, o, n, m, l, k, j, i, h, g, f, e, d, c, b, a.

df. Co. ( )

S, S, S, S, S, S, S, S,  
- x, y, z, w, v, u, t, s, r, q, p, o, n, m, l, k, j, i, h, g, f, e, d, c, b, a.  
- x, y, z, w, v, u, t, s, r, q, p, o, n, m, l, k, j, i, h, g, f, e, d, c, b, a,

— 27.2<sup>2</sup> 66/82.



# *DER TRAGÖDIE ERSTER TEIL*





# NACHT

z z f e d, z z f e g u  
f, p r s o r o n G.

f:

z z, D! b o o l,  
L f - r e f,  
- e D h - v  
e o f e r, z z b u r.  
e o f 1 z, 1 z u L!  
- v - z r o o f;  
z o v b, z o e n

-p z ~, p z L

25, 22 - L - m

2 p z ~ ~ 2 m

- 2, e r l o ~ !

e - v p e z y L.

p v, p s e, L,

e, v, p, p - L;

p L ~ o L 2 p L,

L L p L ~ 2 e 2 L L ~

e · v D · L e L,

v v / ~, c o L b / o,

v v / ~, 1 ~ L c o m,

1, 2 p j o ~ - j L m.

00, ce 4 2 ve,  
2 1' - 2 1' d;  
- 2 1' m ce - 2 1' m!  
2 1' p 1' v m,  
2 1' p 2 1' d - ve  
1 2 1' p 2 1' v;  
e 1 2 1' v 2 1' v 0  
1 2 1' v, ce 1 2 1' v;  
e 1 2 1' v, ce 1 2 1' v  
1 2 1' v 2 1' v,  
2 1' v - ce 1 2 1' v - a,  
- 4 2 1' v 2 1' v m.

— o' s' e, e r e g, e,  
j j r e s r l,  
~ 1 — u l u l  
~ r l z y d l:  
e r s p u — a,  
k o m l e g d e v!  
D! L i d s u o s i  
z e r u l r,  
z u o s z r b g u,  
s o z e r e n a,  
L e r d E r t e,  
z e r y p e r u!

es! f<sub>12</sub><sup>2</sup> nun?

Mozart,

aber wohl

Kopf zu Bl!

für 200 Bl,

~ 200 Bl, gut,

~ 200 Bl

~ 200 Bl;

200, 200 Bl,

200 Bl,

— 200 Bl

e.e c! ee — c!

-Wes, 2, 2002

June 2002?

2002-2003

2002-2003?

2002-2003,

2002, 2003,

2002-2003

2002-2003.

2002-2003

2002-2003,

2002-2003,

2002-2003?

unberührt,  
-cru, d, k, b,  
en, ion, r, l, e, s,  
oft ~ 2 b, e, 2 b.  
v, d, e, l, i, n, o, b, a  
i, z, i, n, f, e, r, e, n, t:  
r, g, l, r, 2 b, ~, u, v;  
x, d, v, c, r, v, 2 d!

z, d, e, r, s - u, l, e, f, e, r, e, n, t  
v, a, o.

21.  $cd \sim b_2 q w$

$s \sim r v p \sim v o w$

$1 b h_0, 2 \dot{h}_0 \text{ usw}$

$\sim p e v p \sim d' - e n m$

$a \sim v i, q f h \mu,$

$v e r i \sim u g u,$

$e n z y l e b e r,$

$- 2 p w o \mu$

$1 w l' \sim u \sim v_2 v p, s e n?$

$v_1 \sim v i v' - \mu!$

$1 p s 2 q \sim u g u$

$1 o u e \sim u \sim v o s \mu.$

$h h m i, c o' c o f l.$



"26.1.2005;

26.1.2005. 11.11!

1, 2, 3, 4, 5

"1, 2, 3, 4, 5, 6, 7, 8, 9, 10!"

1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

1, 2, 3, 4, 5, 6, 7, 8, 9, 10!

1, 2, 3, 4, 5, 6, 7, 8, 9, 10

1, 2, 3, 4, 5, 6, 7, 8, 9, 10!

1, 2, 3, 4, 5, 6, 7, 8, 9, 10

1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

~ ~ ~ ~ ~ !

~ ~ ~ ~ ~ !

~ ~ ~ ~ ~ ?

~ ~ ~ ~ ~ ,

~ ~ ~ ~ ~ ,

~ ~ ~ ~ ~

~ ~ ~ ~ ~ ?

~ ~ ~ ~ ~ .

~ ~ ~ ~ ~ !

~ ~ ~ ~ ~ ;

26, 27, 28, 29,  
30, 31, 32, 33,  
34, 35, 36, 37, 38,  
39, 40, 41, 42,  
43, 44, 45, 46,  
47, 48, 49, 50,  
51, 52, 53, 54,  
55, 56, 57, 58,  
59, 60, 61, 62,  
63, 64, 65, 66,  
67, 68, 69, 70,  
71, 72, 73, 74,  
75, 76, 77, 78,  
79, 80, 81, 82,  
83, 84, 85, 86,  
87, 88, 89, 90,  
91, 92, 93, 94,  
95, 96, 97, 98,  
99, 100!

1. б, в, г, ж, з, п, к, л, м, н, о, р,  
с, т, ф, х.

2. а, б, в, г, ж, з, и, к, л, м, н, о, п,  
р, с, т, ф, х.

3. а, б, в, г, ж, з, и, к, л, м, н, о, п,  
р, с, т, ф, х.

4. а, б, в, г, ж, з, и, к, л, м, н, о, п,  
р, с, т, ф, х.

5. а, б, в, г, ж, з, и, к, л, м, н, о, п,  
р, с, т, ф, х.

6. а, б, в, г, ж, з, и, к, л, м, н, о, п,  
р, с, т, ф, х.

7. а, б, в, г, ж, з, и, к, л, м, н, о, п,  
р, с, т, ф, х.

8. а, б, в, г, ж, з, и, к, л, м, н, о, п,  
р, с, т, ф, х.

**2б.**

а, б, в, г, ж, з, и, к, л, м, н, о, п,  
р, с, т, ф, х.

U: (yces)

hoß!

z. b.:

es vllt vllt, vllt,

~ ~ ~ ~ ~

~ ~ ~

U:

es! vllt!

z. b.:

es vllt, vllt, vllt,

2 p / 2 m, 2 d / 2 i;  
P ~ t e v l o n l s i,  
e o v ! m d w r k  
l b s u g d ! c . o s p i  
c . i . 4 , 1 - d 2 ) p l  
- h - x t , i 2 l e u  
g u , ) x , ~ v o ~ , 2 p / 2 m ?  
c b e , 4 , o p r v m r,  
j ~ p 2 e n l t e r i  
b e g , i ; s r 2 d v o l ,  
z e n n e n p l ,  
~ l b a c y p t a n i ?



- om' 2η uo u e.

6:

'g, c d r d l,  
p l m 2 b, c n b, r p e!

2 b:

g 2 b 2 2 b, ~ g d l,  
/ v!

g e



Q: (ggyc)

/er?

er?

1. we` 2. n!

- 1. we!

1. we

1. we! 1. no m e 2. we m

1. we 2. we!

er we!

1. we 2. we!

am Rgh - 'stf, - a i' re. (6001)  
f.

am:

f! 12 - 1000;

1.600 - 1000?

2000 - 1000,

2000 - 1000.

10 - 1000,

~ 1000 - 1000.

f:

1000 - 1000;

o e e c y ~ ~ ~ v.

an:

D: c w — z o z o p d ;

- d, d n ~ l u n,

n p ~ l u s o, — s c,

o ° z o b p s e l y ~ ?

q:

c p / b, r c a / s n,

c - l o ' o e d

- z ~ ~ ~ m u n

z p e r z ~ ~ ~ p d.

of r → m! v g,

h ~ v s i z o

- u, v, w, x

o ~ r p r d' o!

u, v, w, x - h,

c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z

o, u, v, w, x, y, z, h,

c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z.

am:

~ h v o u v;

i, b, c, d, v, c, x.

Q:

① ~ 100%

② ~ 100%

③ ~ 100%

④ ~ 100%

⑤ ~ 100%

⑥ ~ 100%

⑦ ~ 100%

⑧ ~ 100%

⑨ ~ 100%

⑩ ~ 100%

Ans:

Dreiind:  $\sim$

-  $\sim$  f. 5.  $\sim$

$\sigma^1, \sigma^2, \sigma^3 \sim$   $\sigma^1 \sigma^2 \sigma^3$

$\sigma^1 \sigma^2 \sigma^3 \sim$   $\sigma^1 \sigma^2 \sigma^3$

$\sigma^1 \sigma^2 \sigma^3 \sim$   $\sigma^1 \sigma^2 \sigma^3$

$\sigma^1 \sigma^2 \sigma^3 \sim$   $\sigma^1 \sigma^2 \sigma^3$

-  $\sigma^1 \sigma^2 \sigma^3 \sim$   $\sigma^1 \sigma^2 \sigma^3$

$\sigma^1 \sigma^2 \sigma^3 \sim$   $\sigma^1 \sigma^2 \sigma^3$

Q:

e.  $\sigma^1 \sigma^2 \sigma^3$ ; e.  $\sigma^1 \sigma^2 \sigma^3$

$\sigma^1 \sigma^2 \sigma^3 \sim$   $\sigma^1 \sigma^2 \sigma^3$

Будет ли,  
сбер/о. К. о. Ед.

См:

1! - 20 см,  
2 - 20 см, 1 см;  
1 см, 0 - 1 - 0 - 2 см,  
- 0 - 1 см - 2 - 1 см.

С:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10,  
11, 12, 13, 14, 15, 16, 17, 18, 19, 20,  
21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

cor ~ 26' y 26,

e. R. h. e. m. h. 26,

z<sup>2</sup>, f. y. p. r.

e. b. e. a. l. h.!

w. a. l. l. v. 2. 5. 6. 7.

~ n. l. o. - s. m.

- 2. 6. - 2. 0. - f. a. r.

2. h. a. m. p. v. b. e.

o. b. ~ a. c. p. r. e. p. r.!

an:

~ , d. ! ° v. p. z. y. - 26!

2. h. a. d. c. o. e. s. m.



Q:

1, com - must!

1, com - must!

1, com, cost, cost,

1, com, cost, cost,

2, com, cost, cost,

2, com, cost, cost,

1, com, cost, cost,

1, com, cost, cost,

Q:

1, com - must!

2, com - must!

Erre, o n t in,  
w/v ~ i' h.  
i h i' p' f e n d o;  
f c o, t, d r l, e o o.  
a.

6: (—)

o → 2 n l e z h y g e t,  
~ p l z e r f z n d,  
z n n x e n d y z d,  
- l s; c, n o r b e r!

er - 2 2 2 2 2;  
c 2 2 2 2 2, 2 2 2?  
Dil 2 2 2 2 2;  
2 2 2 2 2 2 2 2 2.  
e 2 2 2 2 2 2 2 2 2,  
2 2 2 2 2 2 2 2 2.  
Dil 2 2 2 2 2 2 2 2 2,  
e 2 2 2 2 2 2 2 2 2.

2 2 2 2 2 2 2 2 2  
2 2 2 2 2 2 2 2 2,  
2 2 2 2 2 2 2 2 2,  
- 2 2 2 2 2 2 2 2 2;

3, 2 0 2 0, 0 2 0 0  
2 0, 1 0 0 0, 1 0 0  
- 1, 2 0, 2 0 0 0, 1 0 0  
1 0 0 0, 0 0 0 0 0!  
~ 0 0 0 0 0 0 0 0 0.

1 0 0 0, 1 0 0 0 0 0;  
0 1, 0 0 0 0 0 0 0,  
- 1, 0 0 0 0 0 0 0.

1 0 0 0 0 0  
1 0 0 0 0 0, - 2 0;  
0 0 0 0 0 0,  
0 0 0 0 0 0.

am 1. 1. 1901, 2. 1. 1901

0, 1. 1. 1901

1. 1. 1901, 2. 1. 1901,

3. 1. 1901.

2. 1. 1901, 3. 1. 1901,

4. 1. 1901 - 5. 1. 1901,

6. 1. 1901,

7. 1. 1901 - 8. 1. 1901.

9. 1. 1901, 10. 1. 1901

11. 1. 1901.

class) and 2 more  
- 2 by 100, 100,  
- in 100, 100,  
con 100, 100,  
100, 100, 100,  
end 100, 100,  
con 100) - full - 100,  
ber) 100, 100,  
100, 100 - 100, 100 - 100,  
100, 100, 100 - 100,  
100 - 100, 100,  
- 100, 100, 100, 100.

~ 2 m 2 1 1 1 d . - d ;  
2 a n 2 1 ~ f e d ,  
~ , 0 . ) R f e ~ v e d ,  
o o e h ~ d - d d .

· - / f e , c o r 2 2 o e  
o 2 e / d h ~ 2 ~ n ?  
· L e , 2 4 e d h v e  
2 9 2 ~ d / d e n ?  
2 ° , b e , c o v d ?  
° , f 2 4 e d h o ,  
e 4 , 2 g e ) / d ,  
e 2 - e 1 ~ 2 ~ p o r ? ~

cohort, v; 2. n. ze, 2?

see m; 020, d m

~ h n p - i' ev, z,

2. H. D. w, h. n. M.

↑ h n l g n z,

2. e - n, c y - n:

↑ g e n l, ↑ d' p o;

g - z w. n, d' d' l, n.

p w n l n

b) n - z w / w

- c o e r z b / h n v,

e g d e r / a z n - z j i

e d p z, e, l / n,



ε, φ ↦ x, c, d, r, s, u, v.

ε ↦ t, ε' ↦ y, b,

— ~ ~ ~ r, Q, K, S, Z.

↖ ↗ ↘ ↙ ↚ ↛ ↜ ↝,

o, 2<sup>2</sup> ↗ ↘ ↙ ↚ ↛ ↜ ↝,

co, ε, ↗ ↘ ↙ ↚ ↛ ↜ ↝,

↗ ↘ ↙ ↚ ↛ ↜ ↝.

co ↗ ↘ ↙ ↚ ↛ ↜ ↝,

↗ ↘ ↙ ↚ ↛ ↜ ↝, ε, ↗ ↘ ↙ ↚ ↛ ↜ ↝.

↗ ↘ ↙ ↚ ↛ ↜ ↝) ↗ ↘ ↙ ↚ ↛ ↜ ↝?

↗ ↘ ↙ ↚ ↛ ↜ ↝ ~ ~ ~ ↗ ↘ ↙ ↚ ↛ ↜ ↝?

↗ ↘ ↙ ↚ ↛ ↜ ↝, ↗ ↘ ↙ ↚ ↛ ↜ ↝,

o c p ~ b u c e t r e s y r e t

1 b d, e p b,

1 1 2 d ~ b

2 e i n g e t - n d.

g u h - z e r p o l t,

g o p e r l e b e n t t,

s o e r b e r d!

1 o d, - i - z y p e l,

1 b d, e f u i p e l,

o z b l e f r u n d - n d.

1 0 2 2 u <sup>c</sup>, 2 0 p o,

1 p l e s y j r u b o,

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

erode / 2 was 2 d,  
- Leren 2. / u,  
2) Lab / in E. od,  
D Leren 2 ffu,  
2<sup>o</sup> nure, 2 y 2. od;  
2 d p) 2 / 2 p<sup>o</sup>,  
- c - 2 h, 10 / 2 / 2<sup>o</sup>.

nure, 2 ffu - 2!  
2. od 2 h  
nure 2 / 2!  
2 y d - 2 h 2<sup>o</sup>,  
2<sup>o</sup> 2<sup>o</sup> 2<sup>o</sup>,

$c \sim d^2 h \mu.$

$\sqrt{h} \sim \sqrt{d} \sqrt{h \mu},$

$\sigma \sim h \mu, \sigma \sim \sqrt{h \mu},$

$\sigma \sim \sqrt{h \mu},$

$\sigma \sim \sqrt{h \mu} \sqrt{h \mu}.$

$\sigma \sim \sqrt{h \mu} \sqrt{h \mu},$

$\sigma \sim \sqrt{h \mu} \sqrt{h \mu}.$

$\sigma \sim \sqrt{h \mu}, \sigma \sim \sqrt{h \mu},$

$\sigma \sim \sqrt{h \mu}, \sigma \sim \sqrt{h \mu}.$

$\sigma \sim \sqrt{h \mu}, \sigma \sim \sqrt{h \mu},$

$\sigma \sim \sqrt{h \mu}, \sigma \sim \sqrt{h \mu},$

$\sigma \sim \sqrt{h \mu}, \sigma \sim \sqrt{h \mu}!$

$\sigma \sim \sqrt{h \mu} \sim \sqrt{h \mu}$

zur-Ly.

2. r.

o. p.

Le<sup>2</sup> p.

~ , p.

z p.

v. p.

6:

p. p. p.

p. p. p. p. p.

p. p. p. p.

o 566 & lunge?

1 2, 6, 1, 2 ~ 4 6 p, 1,

1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

p 1 2 ~ 2 3?

2: 10:

2 3 4 5

6 7 8 9,

10 11

12 13 14;

15 - 16

17 18 19,

20 - 21

$\sqrt{2}x$

2.  $\sqrt{2}$ :

$\sqrt{2} \cdot \sqrt{2} = 2$

$\sqrt{2} \cdot \sqrt{2} = 2$

$\sqrt{2} \cdot \sqrt{2} = 2$

$2 \cdot \sqrt{2} = 2\sqrt{2}$

$\sqrt{2} \cdot \sqrt{2} = 2$

6:

$\cos 60^\circ = \frac{1}{2}$

$\sin 60^\circ = \frac{\sqrt{3}}{2}$

$\tan 60^\circ = \sqrt{3}$



1.  $\sqrt{2} + i$ ,  $\sqrt{2} - i$

$e^{i\pi/4}$ ,  $e^{7\pi/4}$

$\sqrt{2} \cos \pi/4 + i \sqrt{2} \sin \pi/4$

$\sqrt{2} e^{i\pi/4}$

$-i$ ,  $\sqrt{2} e^{-i\pi/2}$

$\sqrt{2} \cos \pi/2 + i \sqrt{2} \sin \pi/2$

$\sqrt{2} (0 + i \cdot 1)$

$i \sqrt{2}$

$\sqrt{2} \cos 3\pi/4 + i \sqrt{2} \sin 3\pi/4$

$-\sqrt{2} \cos \pi/4 + i \sqrt{2} \sin \pi/4$

$-\sqrt{2} \cos \pi/4 + i \sqrt{2} \sin \pi/4$

$\sqrt{2} \cos \pi/4 - i \sqrt{2} \sin \pi/4$

$\sqrt{2} \cos \pi/4 - i \sqrt{2} \sin \pi/4$

0, v — dyp.

1) v — dyp,

2) v — dyp,

3) v — dyp,

4) v — dyp.

—, —, —, —, —, —!

—, —, —, —, —!

2) v:

1) v

2) v,

v,

v;

· \ z G

gber Lens:

D! ~ re 4

z r j e e.

p, 1 o

gber x x;

D! r u ~,

z b, e r!

z i ~:

z b. y e ~,

e i c o z z o.

z b' s u e

Let's go!

Mr. Lee,

Mr. Lee,

Mr. Lee,

Mr. Lee,

Mr. Lee

Mr. Lee,

Mr. Lee!

# VOR DEM TOR

ggm  $\rightarrow$   $\sqrt{20}$ .

~~ggm  $\rightarrow$   $\sqrt{20}$ :~~

ggm  $\rightarrow$   $\sqrt{20}$ ?

~~ggm:~~

ggm  $\rightarrow$   $\sqrt{20}$ .

~~ggm:~~

ggm  $\rightarrow$   $\sqrt{20}$ .

~ ~~recursion~~ f:

$$1 \rightarrow 1, D^2 \cos 2l / r^2.$$

f:

$$\text{crea. } n / z.$$

f:

$$\cos 4e e^?$$

~ ~~h~~:

$$1 r l \sim h.$$

W:

Du ne l'as pas, p'as de l'as,  
je t'explique,  
- ce n'est pas.

ell:

je t'explique,  
L'explique?  
1/2, 1/2 - 2.

explique:

~, ~! 1/2 - 2.

l:

überprüfen lassen.

l:

e. l. v. m. 2000;

l. e. o. m.

2000 - 1/2 s<sup>2</sup> l.

completen!

l:

2. 1. l.

1. 1. l., 1. 1. l.



zu:

W, O, am omf!

z le, ~ d! r v o u

~ gro u, ~ l ge l u,

- ver G, e ~ z ge.

wird:

es v ~, zu m u!

- i c o r - p!

p f ~ b, er b z,

- h o r u d!

$f$  zu:  $(y \delta)$

1 -  $\beta^2$   $e^{\beta} \delta^2$   $n$   $\mu$   $f$ ,

$b^2$   $n$   $\delta$   $\mu$   $f$   $n$ ,

$\rho$   $n$   $\delta$   $\mu$   $a$ ;

$v^2$   $\delta$   $\mu$   $f$   $n$ .

$b$   $n$   $\mu$   $f$   $n$

-  $n$   $\delta$   $\mu$   $f$   $n$ .

$\delta$ :

$n$   $\delta$ ,  $n$   $\delta$   $\mu$   $f$   $n$ .

$\beta^2$   $e$   $\delta^2$   $n$ .

$\rho$ ,  $\delta$   $\mu$   $f$   $n$

$\delta$   $\mu$   $f$   $n$ .

un:

~ / v / ; ~ u ~ r b!

~ e s ; ' ~ r e b.

- l, g d c o h e r ?

' l e n g t h ?

p h i r o s o r,

- f e r o s t s.

un: (6/)

^ z z z, ^ z z z,

- c y g - u n s,

u - s, v p p s,

- o r - v e r z e n!

beplmow!

→ · l; n n.

~ n, ~ r p l m,

· l p ~ n n.

i' m:

9000, v ~ o ~ - l m

o ~ p l n - r f,

c d, c, z' m,

· l m s p n.

u g r l d, h o r d e

- o ~ l o z u, w g l z;

e n t r u v e l s D z,

- onkle - leyg.

er ur:

er ur, 4! - o þo þ þi:

er ur, 1, 2, 3, 4,

er ur, 5;

er ur, 6, 7, 8, 9.

✓: (j ~ ur)

er ur, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

er ur, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12.

er ur, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20.

- cor cor, ecb, c, jgh.

unred:

ms, l, r, v, p, n,

22 h h, j, n;

6 p v, r, o, t, r, i, s, n

~ nll h h, s, o, n

i, l:

v, j, t, b, r, n, r, f,

o, l, h, j, m, n, m;

1, o, v, r, i, b, r, s,

~ v, - / m, n.

o-llh:

u-m?z

zu-fu;

zhu?ff

z-zu

z-pu!

z-eu;

z-iu!

-, Lu

o-llh,

o-j'le,

-j'le.

e: ~ grr!

e: ~ m!

rrh - u - m

rrh) m.

m: e rrh,

m: i - !

- , o - rrh

gr e s.

rrh - m.

rrh:

S / o d / z f r - d



P<sup>o</sup> b<sup>o</sup> zeh, l<sup>o</sup> u<sup>o</sup> w;

R<sup>o</sup> h<sup>o</sup> z h<sup>o</sup> z;

z<sup>o</sup> t<sup>o</sup>, z<sup>o</sup> g<sup>o</sup>,

f<sup>o</sup> z<sup>o</sup> z<sup>o</sup> w<sup>o</sup> x.

Se P<sup>o</sup> o<sup>o</sup>, l<sup>o</sup> o<sup>o</sup>,

z<sup>o</sup> h<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup>

z<sup>o</sup> f<sup>o</sup> h<sup>o</sup> z<sup>o</sup>, h<sup>o</sup> e<sup>o</sup> l<sup>o</sup>;

n<sup>o</sup> z<sup>o</sup> e<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup>,

z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup>,

z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup>;

z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup>

z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup> z<sup>o</sup>.

z<sup>o</sup> z<sup>o</sup>, z<sup>o</sup> z<sup>o</sup> z<sup>o</sup>

D'gel ppa.

o<sup>2</sup> 2 u b d<sup>2</sup> L

o<sup>2</sup> ~ W p d 2.

te o d ) 2 2 - m.

o l u n , s y s<sup>o</sup> 2 m ,

o b<sup>2</sup> d r s y c ,

o d<sup>2</sup> 2 o e q u p d u ,

o x c c u o = - p u d e r ,

o<sup>2</sup> L S t e r - d u ,

o i f o E y c e r u ,

o i n t h r o o p u n d

z b e o n p l .

p ← , p ! o u r e ) , u

1,2  $\sqrt{\text{---}}$  - les ppt,  
0'60, 2  $\sqrt{\text{---}}$  - r  
- 2  $\sqrt{\text{---}}$  f r 2  $\sqrt{\text{---}}$  w d,  
- 6  $\sqrt{\text{---}}$  m 4  $\sqrt{\text{---}}$  r  
dnd ) r f m.  
65° w o l u n l e r  
w o n s l u r n e r n.  
12  $\sqrt{\text{---}}$  7° e r b p;  
20° L o r o c r 2;  
f r d y 20 - m:  
20  $\sqrt{\text{---}}$  12, 2 e r b o n!

Am:

2, 2, 2, 1, 1, 1

in - p;

2, 1, 1, 1, 1, 1,

1, 1, 1, 1, 1, 1, 1,

1, 1, 1, 1, 1, 1,

1, 1, 1, 1, 1, 1,

1, 1, 1, 1, 1, 1,

1, 1, 1, 1, 1, 1,

1, 1, 1, 1,

1, 1, 1,

\ z h (y) / h y,  
2 W L, v e - n y,  
z a - n y n.  
z r, s e a - n,  
- e o h y / z o L.  
h! h!  
h o! z o! z!  
- r - l e n.

\ e r t 2 b' ) z,  
e s p - ~ ~ z e h ~  
z o r - e n n;  
i h e n n t, ) z

- d: ~, e l e, e!

h<sub>2</sub>! h<sub>2</sub>!

h<sub>2</sub> o! z o! z!

l - g h!

o a l z<sup>2</sup> ~ o r<sup>2</sup>;

b h f ~ b, b h f ~;

- e ~ b n.

b<sup>h</sup> ~, b<sup>h</sup> c n

- ~ n n e n z n,

h<sub>2</sub>! h<sub>2</sub>!

h<sub>2</sub> o! z o! z!

- d ~ e n.

-4v 0/ - 4!  
0 2 2 2 / 0 4  
u n - u n!  
- 2 2 6 0 0 / ,  
- 5 1 0 2 - 0 :  
h 2 ! h 2 !  
h 2 0 ! 2 0 ! 2 !  
f - u n .

4 5 :

2 e , e 2 2 / ,  
e 1 5 2 2 / 2 ,  
- 1 9 0 2 0 0 p ,

o ~ — z f d, u.  
— ~ u D ~ z f d r n,  
~ r z b p L f d,  
r b r j — o f d,  
e. l — ~ e b f d:  
f d l e, i, x,  
— ~ m p d.

Q:

r n ~ b r z h  
f d' — e z — e n.

e l e a d) r n o r p.



14:

ber, - o c p,

erablangt;

er, - ro d r r

~ com r p!

~ r r g r o r r

~ r r r r r

' r o r r r r,

o, - o r r r r.

Dere r, ~ r r r,

r r r r r r r r,

r r r r r r r,

r r r r r r r,

yei ut ut l u;  
2 z h z d \ z h e u.

•:

pej<sup>2</sup> u u u,  
e \ n r z h n!

6:

u l r e u g p d,  
\ z h u t - z d z d.

\ n r o m m c ✓.

Am:

D ~ b r e s , - 2 0 m ,

v i g n e t !

- m ; a s o m

I ~ u p e n !

S u p e r m e n ,

~ t e h - e d - d ,

i b e f d ; u p c d .

e s t b , 2 ~ 2 p 2 b ,

i r p l m 2 , 2 ;

- e d l , - u p ) , m ,

o n e l u o .

6:

→  $\omega \mu \lambda \sigma / \lambda \rho \gamma$ ,

$\alpha \rightarrow \sim \rho \dot{\sigma} \sigma \gamma \delta$ .

$\alpha \sigma$ ,  $\beta \mu \nu \omega$

-  $\epsilon \rho \nu \mu - \nu \delta$ .

$\sim \sigma \lambda \gamma \delta$ ,  $\rho \mu \nu \delta$ ,

$\nu \lambda \mu$ ,  $\sigma \gamma$ ,  $\alpha \nu \mu$

$\alpha \nu \epsilon \rho \mu \nu \delta$

$\lambda \alpha \nu \sigma \rho \omega / \gamma \mu$ .

$\nu \mu \nu \delta \lambda \nu \nu \alpha \sigma \nu$ .

$\rightarrow \beta \gamma \nu \mu \nu \alpha \sigma$ ,

$\alpha \omega \mu \nu - \sigma$

$\rho \sigma \nu \alpha \rho \omega$ !

2. Ina ~ lina ~ lina,  
1. 8, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
2. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
3. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
4. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
5. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
6. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
7. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
8. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
9. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
10. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

1. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
2. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
3. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
4. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
5. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
6. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
7. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
8. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
9. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10  
10. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

1.  $L \sim R \sim R_2$ ,

$\alpha \sim \beta$ ,  $\gamma \sim \delta$ ,

-  $\sim$   $\text{well}$ :  $\alpha \sim \beta$ ?

— 2122  $\sim$   $\beta \sim \delta$

$\alpha \sim \beta$ ,  $\gamma \sim \delta$

$\alpha \sim \beta$ ,  $\gamma \sim \delta$ .

126  $\sim$   $\beta \sim \delta$   $\mu$ :

$\beta \sim \delta$ ,  $\alpha \sim \beta$ ,

$\alpha \sim \beta$ ,  $\gamma \sim \delta$ .

$\alpha$ :

$\alpha \sim \beta \sim \gamma$ !

$\alpha \sim \beta \sim \gamma$ ,

ind, in Rsh,  
p<sup>o</sup> - Cufy?  
ce, o, w, e, h, d,  
— 'em S R g;  
ce, o, w, d, f, d,  
— ne o, j, z, i, g, p.

6:

— w, a, d, z, h, n,  
o, g, w, o, N<sup>o</sup> g, d!  
co, w, l, c, o, e, n, d, w,  
— co, w, c, o, n, w, l, d,  
d, o, t, g, e, z, o, z





гжен) 2. 200 20

~ 20 20.

20 20 20 20;

~ 20 20,

20 20 20 20,

~ 20 20 - 20 20,

~ 20 20 - 20 20.

~ 20 20 20 20.

20 20 20 20 - 20

~ 20 20 20 20.

20 20 20

20 20 - 20 20,

20 20 20 20,

↑ zweifelhafte;  
c & f h l s s z  
v e r g l z d,  
- & l l, & o u  
v e r d e r z u f t.

an:

1 2 6 0 1 2 3 4 5 6  
0 2 3 4 5 6 7 8 9  
2 0 1 2 3 4 5 6 7 8 9  
0 1 2 3 4 5 6 7 8 9  
0 1 2 3 4 5 6 7 8 9  
1 0 1 0, 1 0 1 0!

es  $\in$   $\mathcal{O}(\mathbb{R})$   $\rightarrow$   $\mathbb{R}$   
 $\sim$   $\mathcal{O}(\mathbb{R})$   $\rightarrow$   $\mathbb{R}$ ,  
 $-\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R} \sim \mathcal{O}(\mathbb{R})$ ,  
 $-\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R} \sim \mathcal{O}(\mathbb{R})$ .

$\mathcal{O}$ :

$\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$   $\sim$   $\mathcal{O}(\mathbb{R})$ ,  
 $\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$   $\sim$   $\mathcal{O}(\mathbb{R})$ !  
 $\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$ ,  $\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$ ,  
 $\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$   $\sim$   $\mathcal{O}(\mathbb{R})$ ;  
 $\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$ ,  $\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$ ,  
 $\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$   $\sim$   $\mathcal{O}(\mathbb{R})$ ;  
 $\mathcal{O}(\mathbb{R}) \rightarrow \mathbb{R}$   $\sim$   $\mathcal{O}(\mathbb{R})$

1. besser zu.  
- 1. 1. 2. 3. 4. 5.  
1. 1. 2. 3. 4. 5.  
- 1. 1. 2. 3. 4. 5.  
- 1. 1. 2. 3. 4. 5.  
1. 1. 2. 3. 4. 5.  
- 1. 1. 2. 3. 4. 5.  
1. 1. 2. 3. 4. 5.  
1. 1. 2. 3. 4. 5.

an:

1. 1. 2. 3. 4. 5.  
1. 1. 2. 3. 4. 5.

2 ugr ucl<sup>2</sup> h,

Sen r<sub>2</sub>, u.

Sen u<sup>2</sup> - z<sup>2</sup> r<sub>2</sub> h

sd a, 2 l y d h u;

Sen p, Sen c, b 2,

- ~ ~ ~) Sen u;

c b<sup>2</sup> m o<sup>2</sup> d z<sup>2</sup>,

1 7 5 4 2 e z<sup>2</sup> h

- W<sup>2</sup> - c<sup>2</sup> ~ z<sup>2</sup>, b<sup>2</sup> h,

2 d<sup>2</sup> - h<sup>2</sup> - 1 / o<sup>2</sup> h;

b 2 m m, j z<sup>2</sup> h s p d,

p h m, c b 5 m m;

b f u c s z<sup>2</sup> p d,

- für  $\alpha, \beta, \gamma, \delta$ .

$\alpha \beta \gamma \delta$  -  $\alpha \beta \gamma \delta$ ,

$\alpha \beta \gamma \delta$  -  $\alpha \beta \gamma \delta$ !

$\alpha \beta \gamma \delta$  -  $\alpha \beta \gamma \delta$ .

$\alpha \beta \gamma \delta$  -  $\alpha \beta \gamma \delta$ ?

$\alpha \beta \gamma \delta$  -  $\alpha \beta \gamma \delta$ !

4:

$\alpha \beta \gamma \delta$  -  $\alpha \beta \gamma \delta$ !

an:

$\alpha \beta \gamma \delta$  -  $\alpha \beta \gamma \delta$ .

Q:

Mr. Milcozeyer?

Ans:

l ~ C, 's o c o

l s p ~ o m C d.

Q:

unbe, o z c z p u o

~ 2 J J - m ~ s h?

- 1 1, - p ~ l s f e

s o l e r 2 k.

Am:

102/0 ~ zyl Ci

- v v / C. 2/30.

U:

v z / , e. v v / z

100<sup>m</sup> v e 2 ± 60 p.

Am:

100 r 100 - b - la 1 r f m,

c, f 100 m, f p m 6.



Q:

~no'n, j: ~s!

Ans:

eg! ~no ~n pd. es.

~m ~f d, d) s ~ d,

~cl. es no d.

Q:

pd pd s! ~no!

Ans:

i ~ C ~ d v.

$e_1 \text{ ist } \mathbb{R}^n \text{ und } \mathbb{C}^n$ ;  
 $e_2 \text{ ist } \mathbb{R}^n \text{ und } \mathbb{C}^n$ ;  
 $e_3 \text{ ist } \mathbb{R}^n \text{ und } \mathbb{C}^n$ ;  
 Der Komplexwert.

6:

$e_1 \text{ ist } \mathbb{R}^n \text{ und } \mathbb{C}^n$ ;  
 $e_2 \text{ ist } \mathbb{R}^n \text{ und } \mathbb{C}^n$ .

an:

$e_1 \text{ ist } \mathbb{R}^n \text{ und } \mathbb{C}^n$ ;  
 $e_2 \text{ ist } \mathbb{R}^n \text{ und } \mathbb{C}^n$ ;  
 $e_3 \text{ ist } \mathbb{R}^n \text{ und } \mathbb{C}^n$ .

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

62220907.

# STUDIENZIMMER

422 Ge 2 We.

4:

10, 1, 10 - 1,

1 - 10, 10, 1,

2, 10, 10, 2, 10, 1,

2, 10, 10, 10, 1.

10, 10, 10, 10, 10

2, 10, 10, 10, 10,

10, 10, 10, 10, 10,

10, 10, 10, 10, 10,

$\rightarrow \varphi, \psi \in \mathcal{L} \sim 1/2 - \epsilon!$

$\sim \text{zu } \cos \varphi \text{ bzw. } \sin \varphi?$

$\sin \varphi \sim \varphi$ ,

$\cos \varphi \sim 1 - \varphi^2/2$ .

$\sin^2 \varphi \sim \varphi^2$  wenn  $\varphi$

$\rightarrow \sin \varphi \sim \varphi$  für  $\varphi \rightarrow 0$ ,

$\cos \varphi \sim 1 - \varphi^2/2$ ,

$\sin^2 \varphi \sim \varphi^2$ .

$\sin \varphi \sim \varphi$

$\cos \varphi \sim 1 - \varphi^2/2$ ,

$\sin^2 \varphi \sim \varphi^2$ ,

$\cos^2 \varphi \sim 1 - \varphi^2$ .

$\omega \in \mathbb{R}^n / \mathbb{Z}^n,$

$-2 \log \varepsilon \sim \log,$

$\omega \in \mathbb{R}^n / \mathbb{Z}^n,$

$\mathbb{R}^n / \mathbb{Z}^n \cong \mathbb{C}^2.$

$\omega \in \mathbb{R}^n / \mathbb{Z}^n \sim \mathbb{C}^2 / \mathbb{Z}^n,$

$\mathbb{R}^n / \mathbb{Z}^n \cong \mathbb{C}^2,$

$\rightarrow \mathbb{R}^n / \mathbb{Z}^n.$

$r^2 \mathbb{R}^n / \mathbb{Z}^n \cong \mathbb{C}^2,$

$\mathbb{C}^2 / \mathbb{Z}^n,$

$\mathbb{C}^2 \cong \mathbb{C}^2 - \mathbb{Z}^n,$

$\mathbb{C}^2 \cong \mathbb{C}^2; \mathbb{Z}^n$

$\rightarrow \mathbb{C}^2, \mathbb{C}^2, \mathbb{C}^2?$

in D. 26, 26, 26, 26,

26, 26, 26, 26.

in 2012, 2012,

- 2012, 2012?

2012, 2012,

2012, 2012,

2012, 2012,

2012, 2012,

2012, 2012 - 2012

2012, 2012.

2012, 2012,

2012, 2012

2012, 2012

22  $\mu^2 \delta / \delta \mu$ ,

$\delta \mu \sim \delta \mu - \delta \mu$

$\delta \mu \mu: \mu \delta \mu \delta \mu!$

$\delta \mu \mu: \mu \delta \mu \delta \mu!$

$\mu \delta \mu - \delta \mu \mu$ ,

$\mu \delta \mu - \delta \mu \mu$ ,

$\mu \delta \mu \delta \mu \delta \mu$ .

$\mu \delta \mu: \mu \delta \mu \delta \mu$ .

$\mu \delta \mu \delta \mu$ ,

$\mu \delta \mu \delta \mu!$

$\mu \delta \mu \delta \mu - \delta \mu \mu$



- f: R → R, all!  
e, Dn, 90° of r,  
gentle, e, e, a, l, e.  
voll-26! 5 ~ 20, 1, 1  
- f: R → R, all!

o, 20 e f u l e,  
e, — o e 2 n,  
— o e l e n!

I f u e r p e r  
n, 1/2 ~ 2 e.  
~ 5 5 e  
20, f u 2 e.

рух, ервдс,  
и. и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

и. и. и. и. и.

•  $\omega \sim \rho \sim \sigma \sim \tau$

$\omega$ :  $(\sigma^2 \tau)$

$\omega \rho \sigma \tau$ !

$\omega \rho \sigma, \omega \rho \tau$ !

$\sigma \rho \sigma \tau$

$\rho \tau \sigma \tau$

$\omega \rho \tau$ !

$\rho \sigma \tau, \rho \sigma \tau$ ,

$\sigma \tau$ ,

$\sigma \tau \rho$ .

$\rho \sigma \tau \rho$ ,

$\sigma \tau \rho \sigma$ !

er \ NT er

g f / fer.

4:

h j m n<sup>2</sup> v,

W<sub>1</sub> ~ B<sub>1</sub> h:

o v e<sup>o</sup> p<sub>1</sub>,

er ) er,

o d g e,

u e ) p<sub>1</sub>.

a b / nt

i nt,

~ ~ ~

- ~ ~ ,

~ ~ ~ ~ ~

~ ~ ~ .

~ ~ ~ ,

~ ~ !

~ ~ ~ ,

~ ~ !

~ ~ ~ ~ ~ ,

~ ~ !

~ ~ ~ ~ ~ ,

~ ~ ! ~ ~ !

$112 - 12 \sim 30!$

$\sim 0.5$

$g/2^2 n.$

$- 1/2 \sqrt{g} - 1/2 \sqrt{2n};$

$1/2 \sqrt{2} / \cos \mu.$

$g^0 \sqrt{2n}$

$g \sqrt{g n}.$

$1/2 \sqrt{g, p}$

$\sim \sqrt{2n} \cdot 2 \dots ?$

$- 0.9 \sqrt{2}$

$2^2 \sqrt{2}$

'zjzj!

zjzj-szsz

szsz!

szsz!

~szsz,

szsz,

szszsz,

szszsz!

szszsz,

szszszsz

~szszszsz,

-jue flo.

gr/jer an!

ndj, 26 flo!

eb, e1 moes.

ndj 22 ms!

ndj!

evre 26 flo!

ndj!

igub 22 ms!

df lo 11, n' 26 flo, p 110 ~ lve

2. 20, 2<sup>2</sup> lve.



uf Co.

cy'nr? co g<sup>2</sup> zu jerd?

U:

e o a° Co m!

~ lwa o g? noo v v D.

uf Co.

1 o m ~ g<sup>2</sup> zu!

1 v v c e g v v.

U:

a n d e g p?

25. 6.:

1. 2. 3. 4. 5. 6.

1. 2. 3. 4. 5. 6.

1. 2. 3. 4. 5. 6.

1. 2. 3. 4. 5. 6.

6.:

1. 2. 3. 4. 5. 6.

1. 2. 3. 4. 5. 6.

1. 2. 3. 4. 5. 6.

1. 2. 3. 4. 5. 6.

1. 2. 3. 4. 5. 6.

alg. Co.

~ L Sh nll,

, gae lo - - gae n ll.

Q:

co: 2 2 ac / p / ?

alg. Co.

1 u 2 b, gae nll!

- e l ll; e - eo, co g l,

• cl, e - ste n;

e 2 0 c', e i g e.

— e - eo, co 1 b e,

ff, r, g, e, l, o, n, d,  
z, n, d, n.

4:

e, n, d, p, ~, ~, - f, b, e, n, ~, v?

alg. lo.

g, e, n, c, o, p, ~, o.

c) ~, ~, ~, ~, ~, ~, ~, ~

f, u, l, ~, ~, ~, ~, ~

~, ~, ~, ~, ~, ~, ~, ~, ~, ~

~, ~, ~, ~, ~, ~, ~, ~, ~, ~

e, f, f, ~, ~, ~, ~, ~, ~

~ 5 r, ~ r f v,  
- d, p, r, e, f, f,  
all ~ r d n d.

London f d, i n d v - z,  
~ r d v i s o n;  
- , e l, e w - l r,  
- v ~ r d n f e r.

6:

~ r e d n e h!  
e r p l o i n h  
- b d - n p m m.

2/3 Co.

- 1/2 of the

co) 29 mg/L,

e 100, & Co d

10/1/20

10/1/20

200, 100, 100, 100

100/100/100-100

- 200/100/100-100

200/100/100

100/100/100!

- 100/100/100, 100/100

- 100/100/100/100!

11, 2 00 0` re  
100 400 2),  
1 100, 100, 100, 100!  
1, 100, 100 100,  
1 100 100 100.

6:

— 100 100 100,  
1 100 100 100  
1 100 100 100,  
1 100 100 100!  
100 100 100  
100 100 100!

12/10:

1. 1000, 1000, 1000,

1. 1000, 1000!

1000, 1000, 1000?

12/11:

1000, 1000, 1000.

1000, 1000, 1000

1000, 1000, 1000.

1000, 1000,

1000, 1000.



df. 60:

$\rho \rho \rightarrow ! e, 2 \rho \rho,$

$\mu v \sim \rho \rho \rho,$

$\rho \rho \rho \sim \rho \rho \rho$

6:

$e \rho \rho \rho \rho \rho?$

$\rho, \rho v, \rho \rho \rightarrow \rho \rho,$

$\rho \rho \rho \rho, \rho \rho \rho \rho \rho?$

$\rho \rho \rho \sim \rho \rho \rho \rho \rho?$

df. 60:

$\rho \rho \rho \rho \rho \rho \rho:$

\-or; D o j,  
; a e b, ~ w l h.

4:

e o j e z p h!

- z p i n c e e g?

e i j h p i!

25 Co:

\-C e n t 1, o, 2 p h,

, o o j e o:

\-L e n / o <sup>2</sup> 2.

Q:

වනර්ථය / වචන?

උදා:

ඉ: ~ ඉ' ~ ඉ - ඉ:

උ 62 ඉ', උ 620.

උ 62 ඉ', උ 620.

Q:

12 ~ 62 ~ 62?

උ 62, උ 62 ~ 62,

- 62, 62 ~ 62, 62?

25. 60.

compl, e°g ~ p̄σ,  
e' e' i y p̄.

de: / ~ y / l̄σ,

- r y l̄ e p̄ l̄

de: u, 2) - 2 l̄,

l̄ 90 2 p̄ / 10.

6:

— u e d 2 ~ u u,

2 u l̄ 2 u / 10.

als Co.

Horst d. 1. 1. 1968;  
erde D. W. h.

U:

12 er / 1. 1. 1968,  
begebt 1000 m.  
~ 1. 1. 1968, er 2!  
1. 1. 1968, er 2!

als Co.

er 1. 1. 1968, — 1. 1. 1968,  
er 1. 1. 1968, er 1. 1. 1968;

22.10.19, 10.11  
12.11.19, 13.11.

4:

10.11.19, 11.11.19;  
12.11.19!

13.11.19:

14.11.19, 15.11.19  
16.11.19  
17.11.19.  
18.11.19, 19.11.19,  
20.11.19, 21.11.19,

2/ ~ no p. f.  
Den p' ) yu,  
e'ger n p,  
-e yd ) e b.  
w b a - l ~,  
w a z, b a ~!

2b:

g e l, l e r e n  
c d y e n!  
✓ g e z z  
l e i s  
n 2!

con, lra  
con fua!  
fua lra,  
vlu on  
fua.  
vlu on  
vlu fua,  
fua lra  
fua lra.  
vlu lra  
lra lra;  
- lra  
lra lra



en, se,

en, a,

c) b m,

d, p m,

se m.

a v a!

f b m!

b h

g f m v t

en v t,

g f m v t

g v c,

v p m,

ef,

0,22

2) M,

U<sub>100</sub>

10, 12

W<sub>100</sub>.

-e<sub>100</sub>

2) 1) C<sub>100</sub>,

100 - 100,

100 ~ 200

100 M,

1) 1) C<sub>100</sub>

200 W<sub>100</sub>;

c 1 2 2 u

h p 2 u,

s ~ 1

h p 2 u,

i) p l u

e f l i

u r u

s 1 2 2,

r e g u

s 1 0 u,

r e g u i

e f l u,

e f l u

100 fms,

o 20.

250.

1. 20! — 10, 1. 20! 20!

10 20 20 20!

10 20 20 20 — 20

10 20 20 20, 20 20!

10 20 20 20,

10 20 20 20 20;

10 20 20 20,

10 20 20.

10 20 20,

2 2/ - 2 - 1 - 2 2 2 m.

\ 2 \ 2 - \ 2 0,

\ 2 m, 2 j, 2 j, 2 0

2 0, 2 2 j on

- 2 2 j 2 m,

— 2, 2 2 — 2 2 m

2 2 2 2 2 2 2!

— 2 2 2 2!, 2 2, 2 2 2,

2 2 2 2 2 2.

2 — 2, — 2 2 m

2, 2, 2 2 2, 2 2 2.

Q: (vdr)

v, e, w, o, l, l, n?

ge - v, b, l, e

e, v, ~ h, ~ l, e, p, n,

- e ~ Gev, p, n?

# STUDIENZIMMER

U. v. G.

U:

- n! 2! a - p e G n!

v. G.

1 G.

U:

2!

uf. lo.

g 26 - 22 on.

4:

2 er!

uf. lo.

— fud g v.

1<sup>er</sup>, 2<sup>er</sup>, 3<sup>er</sup>, 4<sup>er</sup>, 5<sup>er</sup>, 6<sup>er</sup>;

er, 1<sup>er</sup>, 2<sup>er</sup>, 3<sup>er</sup>,

1<sup>er</sup>, 2<sup>er</sup>, 3<sup>er</sup>, 4<sup>er</sup>,

1<sup>er</sup>, 2<sup>er</sup>, 3<sup>er</sup>, 4<sup>er</sup>, 5<sup>er</sup>,

er, 1<sup>er</sup>, 2<sup>er</sup>, 3<sup>er</sup>,



1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

6:

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

am° e! ° am!

e·`σρ,

ter ~, ~ ~ ~,

~, ~ ~ ~ ~,

~ ~ ~ ~ ~.

→ ~ ~ ~ ~ ~,

~ ~ ~ ~ ~,

~ ~ ~ ~ ~

~ ~ ~ ~ ~,

~ ~ ~ ~ ~

~ ~ ~ ~ ~,

~ ~ ~ ~ ~

~ ~ ~ ~ ~.

Druck, (in) der,  
Druckerei;  
Druckkopf,  
Druckerei.  
-druck, (in) der,  
Druckerei;  
-druck, (in) der,  
Druckerei;  
-druck, (in) der,  
Druckerei;  
-druck, (in) der,  
Druckerei.

Druck:

-druck, (in) der, Druckerei.

U:

—,  $\sigma^1, \sigma^2, \rho$  bzw.

1.  $\sigma^1 \sim \sigma^2 \sim \rho$ ,

2.  $\sigma^1 \sim \sigma^2 \sim \rho$ ,

3.  $\sigma^1 \sim \sigma^2 \sim \rho$ !

—,  $\sigma^1, \sigma^2, \rho$  bzw.

1.  $\sigma^1 \sim \sigma^2 \sim \rho$ !

U:  $\sigma^1$

—  $\sigma^1 \sim \sigma^2$ ,

2.  $\sigma^1 \sim \sigma^2$ !

Q:

$e^{\mu\nu}, \gamma^{\mu\nu}; e^{\mu\nu}$ .

df. Co:

$\omega^{\mu\nu}, \partial^{\mu} \cdot \nu \omega^{\mu\nu}$ .

Q:

$c = \gamma^{\mu\nu} \rho$

$\sim \rho \omega^{\mu\nu} \nu \rho$ ,

$\sim \omega^{\mu\nu} \nu \rho$

$\sim \omega^{\mu\nu} \nu \rho$ ,

$\sim \omega^{\mu\nu}, \omega^{\mu\nu}$

$\sim \omega^{\mu\nu} - \omega^{\mu\nu} \nu \rho$ ,

-629 1/2

2 we = -z / 2. nll w!

M e, 22222

c n' 26) 6 rbl!

Mewen' g,

, ) ~ ± 6 v!

M, co J = L n 2 2

o v, n n d h!

M, co o o f J z / 2,

o c r - r e, o n l - l y!

M v, c 2 g

\ J n n n d,

c \ J v b<sup>n</sup> g

1. C. d. 5 p. l. d!

l) - 2 u. o. l. l. - h. i!

l) L. u. 2 b. 1. 2. e!

l) - 2 h. i. l. l. 2. u.

- l) - u. i. p. e!

2. b. 2. : (p. l. u.)

o. l. o. l!

g. 2. 6. f. f. v

1. 2. u. d. ,

2. 2. 0. u. l. i.

6. g. f. , 6. f. l. !

~ 2. u. 2. 1. 2. 6. f. p. u. !

rk

rk 10/24,

-rk

rk, 10/24.

rk

rk,

rk

rk,

rk 10/24!

rk

rk,

rk,

-rk



Lines!

2/3 lo.

9<sup>2</sup>, ~~~~~

5 ~ ~ ~ ~ ~

2 ~ ~ ~ ~ ~

~ ~ ~ ~ ~

2, 1, 1, 1, 1,

~ ~ ~ ~ ~

com - off from,

~ ~ ~ ~ ~

2, 5, 2 e 2 h j g u ;  
; a ~ v u ; e a n b ;  
; g h p q f b d l v ;  
e e ~ u g l u g u b .  
d \_ k / p l  
p l e l u j f o .  
; v ~ s ~ l o ;  
d - e , l v ~ l ,  
e j f o e n n u ,  
\_ - , v m l u ,  
e j o , s ' f u .  
; v e p u ,  
- v , e o l ,

v, e, er, v, e, nll!

U:

-co°, em er ber!

U: Co.

ey, er, J - r b.

U:

~, ~! U li ~ r b

-4/ N<sub>2</sub> r r o ~,

co r h r f:

P, w, y, e, z, o;

~ 2er Wf no 2.

df. lo.

1- Pajer od ser,

ser on / 5 - / 2;

cr 15 de Elre,

— ° g v e z 2 L.

6:

ed n P a r n u;

z d e t e d j k u;

1 e v e d y z.

o r r e b u z L e,

- 40 2 1 2 2 2 2;

1 1 2 2 2 2 2 2;

2 2, 2 2 - 2, 2.

2 2 - 1 2 2 2 2,

2 2 2 2 2 2 - 2,

- 2 2 2 2 2 2

2 2 2 2 2.

2 2 2 2:

2 2 2 2 2 2.

2 2 2; 2 2, 2 2 2,

2 2 2 2 2 2,

2 2 2, 2 2 2 2 2 2.

6:

co-ey m L L m?

ce o r g r b, z o r z r f m,

Se o r L L b?

o r e f o, i l o r, o

e r o r e, e r o b,

E r o r, e r z r e f m,

~ f, L<sup>2</sup> r ~ p l,

~ r e h, e ~ r L

z ~ r j<sup>2</sup> ~ p l) m e,

~ r z ~ r m b,

o ~ r m, f e r?

f r v, h, l, o r o l l,

- (2,1) n ~ 100!

2/3 Co.

~ 2 1/2 1/2 1/2,

2 2/3 n ~ 100.

2, 2 1/2, 1/2 ~ 1/2 2,

1 1/2 2 2/3 2 2/3 2 2/3.

6:

1 1/2 1/2 1/2 ~ 1 1/2,

— 1 1/2 1/2!

~ 1 1/2 1/2 1/2,

1 1/2 1/2 1/2,

не рз рз рз рз рз рз

e-л рз рз рз рз!

и а а а!

рз рз:

✓ а!

рз:

- рз рз!

рз рз рз рз:

рз рз рз рз рз рз!

рз рз рз рз рз рз,

рз рз рз рз!



erweitern,  
erweitern,  
erweitern,  
erweitern!

erweitern:

erweitern, erweitern.

erweitern:

erweitern, erweitern;

erweitern, erweitern.

erweitern, erweitern,

erweitern, erweitern, erweitern.

2/3 Co.

1<sup>c</sup> 2 2 2, 1 2 2 2

so 2 2 2 2

→ 2 2 2 2 2 2 2

1, 2 2 2 2

6:

1 2 2 2 2 2 2

2 2 2 2 2 2 2

3 2 2 2 2 2 2

4 2 2 2 2 2 2

5 2 2 2 2 2 2

6 2 2 2 2 2 2

derci: 502yH,  
a w) m e s i l u ?  
w d, a L z m R u o H,  
m h' r t p z i !  
m ~ C m d, o p u - u H,  
i ~ p d, ~ ? ) - z z i  
e c d y g d z i l e r,  
i z y l o u d o - e r.  
c o - e y c o z o b s u ?  
y, w, C m d, A r ?  
o, z H, z o, l e r j u ?  
i n t e c o l.

2/3 Co.

order in

→ 2/3 - 2/3 1/2

• 2/3 - 2/3 1/2

2/3 1/2 1/2 1/2 1/2

6:

090 → 2/3 1/2

→ 2/3 1/2 1/2

2/3 Co.

2/3 - 2/3 1/2

Q:

→ ~ b, e, 1, 9, 0, 0, 0!

e für 2, 2, 2, 0

• 2, e, 0, 1, 0, 2.

1, 2, 2, 2, 2, 1,

2, 2, 2, 2, 1, 1.

• 2, 0, 2, 0, 2, 2, 2,

~ 0, 2, 0, 2, 1, 2, 2

• 2, 0, 2, 2, 2, 0

0, 2, 2, 2, 2, 2, 0.

0, 2, 2, 2, 2, 0

1, 2, 2, 2, 2, 2, 2!

2, 2, 2, 2, 2, 2, 2

to co 2 W!  
ggr 152 e y f,  
10 u u m j!  
e m e z y - r o,  
p u - l o  
2 p d o r, o - n;  
u b o u d j - r.

u f l o.

g . m 20 - y p f.  
u g r, 4 j r f,  
p b r k o j r f,  
u r s c, c o s y f.

→ 2007 - 1/1/11!

6:

g 2 b h, S L e' i, e.

2 h c s, v p, 2 z y b r o,

h<sup>n</sup> 20, k v o r e o.

2 u o, S o o p r;

o ~ z y n l l' ) z o,

- co' 2 y 2 y y p;

→ 1 2 2 2 r u b p o,

2 2 2 b e 2 h' - h' 2 h,

h c - o s 2 u b 2 h,

- 2 ~ h b j n b e ~,

-, 066, n r D, p ~.

alg. lo.

-, 2 v, 2 h 4 e h

~ 9 2 h f o n

e s' o r' / w

~ 2 y ~ s' 2 h' e s!

2 h', 90 2 y

• - l ~ 2 1 p l!

\ (o e 1) 2 ~ 2 h' 2 y

5 3, 2, h' ~ p l,

- 1 h ~ p n - l.



6:

~ 1!

df. Co.

e. b) 2m!

o ~ ~ r. v. v.

if ~ ~ ~ ~ ~

~ ~ ~ ~ ~

o ~ ~ ~ ~ ~

b ~ ~ ~ ~ ~

~ ~ ~ ~ ~

~ ~ ~ ~ ~

o ~ ~ ~

o z f o z f ✓,

o p u o l p u,

o ~ e o g i u ✓.

b r s e p w l e r,

z b i - w b j w e r,

- r, z c w t r o t t e r,

D r c u j e r.

v l b i ~ z u u u,

s' ~ z u v ~ o o u u.

6:

c o v r e r, c - / z z i;

' z p p ~ w j v ~;

~ D) - 6000?

alg. lo.

g b n r m c o y b.

g e r l m s v w n m,

g e r l o s m s s o n,

g u b d n, c o y b.

6:

1 b<sup>2</sup>, m o 1 - g g

o z g r d s v a p l,

- c, v n r o y,

E m n d n s r l l;

$v_1 / v_2 \sim 21 / 22,$   
 $v^2 \text{ pen } / \sim 2.$

df. Co.

$\sim 22, 1 \sigma, 1 \delta,$

$\sigma 22, 1 \delta 22 \delta;$

$1 \sigma \text{ eff } 22,$

$\sigma 22 \text{ no } L \text{ eff.}$

$\text{Co } 22! L \text{ } \sigma - \delta$

$- \sigma - 22, 1^2 \text{ eff;}$

$\delta \text{ } \sigma, \text{ Co } 1 \delta \text{ } \sigma,$

$\cdot \text{ eff } \text{ } \sigma \text{ } 22?$

$\sigma, \delta \text{ } \sigma \text{ } \text{ for } \sigma,$

2.  $\mathcal{N} \sim \mathcal{N}(1, 2)$ ?

1.  $v_j - v \sim \mathcal{N}(0, \sigma^2)$ ,

0.  $\sigma^2 \sim \text{Gamma}(\nu, \lambda)$ .

2.  $\mathcal{N}(0, \sigma^2)$  -  $\sigma^2 \sim \text{Gamma}(\nu, \lambda)$ ,

-  $\mathcal{N}(0, \sigma^2)$ !

1.  $\sigma^2 \sim \text{Gamma}(\nu, \lambda)$ ,

0.  $\sigma^2 \sim \text{Gamma}(\nu, \lambda)$

$\mathcal{N}(0, \sigma^2)$  -  $\sigma^2 \sim \text{Gamma}(\nu, \lambda)$ ,

-  $\mathcal{N}(0, \sigma^2)$ !

Q:

obvious?

alg. Co.

122 n l.

co:el ~ w ~ l?

co:bel ~ n l.,

)-, l. ~ n?

o e e<sup>2</sup> ~ n l. c d!

co- e d e f s j q n?

e l b, co e d n,

e l b e ~ n d / n.

2 2 ~ s<sup>2</sup> n!

6:

v b / 2 n, ~ j o z.

2/3 Co.

~ r n e c l r,

~ e l / f b r.

~ r, r v e ~ - r;

~ r r v ~ b f.

~ r e ) r.

~ r o - r r f!

~ r ~ r f r f;

~ r r p / z ~ l l!

f r.

die Lo. (zlg. r. r. e)

St. m. l. - d. f.,

o. r. g. - s. b. l. l.,

o. t. z. w. e. - j. u. r. e

e. s. z. m. r. b. y. m.,

- o. r. g. z. p. e. l. l. m.

R. o. e. z. o. - z. b. p. u.,

z. u. e. t. m. a. i. o. l.,

- o. r. g. z. p. e. l. l. m.

z. u. e. t. m. a. i. o. l.

z. u. e. t. m. a. i. o. l.,

e. s. z. m. r. b. y. m.,

z. u. e. t. m. a. i. o. l.,



- o p

o p o - h u - v i e h u g e r i

( l o s ) v o d l e r i

- / 1 - ) D / 2 L e s t e r i

v o d l e r i !

~ g e r i s .

g e r i :

v o d l e r i

- v o d l e r i

~ v o d l e r i

~ v o d l e r i

2/3 Co.

~ 2 1/2 1/2 1/2 1/2!

1 0 1 ~ 2 0 1 2.

2 1 ~ 1 0 1 2 1/2!

2/3:

1 1/2 1/2, 1/2 1/2 1/2 ~!

1 ~ 1 1/2 1/2 1/2 1/2

1 1/2 1/2 - 1/2 1/2

1 1/2 1/2 - 1/2 1/2 1/2 1/2

1 1/2 1/2 1/2 1/2 1/2 1/2.

uf Co:

er l r n r n l.

g:

slp, r r g l:

z r z r, r z r

- v r r r r.

i r r r r

r r r r, r r r

- z r r, r r r,

M r r r, r r r.

alg. Co.

$e \sim \nu \rightarrow \nu \mu \nu \sim$

$\sim \nu \sim \nu \nu \nu \nu$

$1/2 \nu \nu \nu \nu \nu$

$\nu \nu \nu \nu \nu \nu$

$\sim \nu \nu \nu \nu \nu \nu$

$\nu \nu \nu \nu \nu \nu$

gen.

$\sim \nu \nu \nu \nu \nu \nu$

$\nu \nu \nu \nu \nu \nu \nu \nu$

diff Co:

$\sin \theta, \cos \theta, \tan \theta,$

$\cot \theta, \sec \theta, \csc \theta$

geo:

$\sin^2 \theta + \cos^2 \theta = 1,$

$\sec^2 \theta = 1 + \tan^2 \theta,$

$\csc^2 \theta = 1 + \cot^2 \theta,$

$\sec \theta = \frac{1}{\cos \theta},$

diff Co:

$e^x, e^{-x}, \ln x,$

$\log_a x, \frac{1}{x}, \frac{1}{x^2}, \dots$

20:

1000-1000;

1000-1000

1000-1000

1000-1000

20:

1000-1000;

1000-1000

1000-1000

1000-1000

1000-1000

1000-1000

e. u. l. m. — h

2g 2, p. m. l. s.

-1/100, 1/100 - E,

$\sqrt{2}^{-2}$ .

e. m. n. s. u. l. n.

e. c. o. s. d. s. r. p.

$\mu, \sigma - h. u. l.$

$\sim! f! e! y \sim n -$

$\mu \beta \gamma \sim p. m. l. s.$

$\sigma \sim \sigma = 2 \beta \gamma,$

$c \sim \mu \beta \gamma \sim h. u. l. s.$

$\gamma \sim \gamma \times \gamma \times \gamma \sigma,$

$\gamma \sim \gamma \times \gamma \sigma,$

~ p160 v02 p1.

~ b0l; H2

- u b /, - v b \_ o:

e b c \_ , e f \_ ,

- e e e - f f \_ ;

- c e b - f / c ,

e e - f c \_ m.

e b o , p e - f ,

z u ~ a f .

a - c o v o m - f u ,

q b ~ z b z o / f u ,

e o , i l z o x e ,

l , e ! - e z b v e .



Добрый день,  
гумб-соло.

гн:

~ / ~ ~ ~ ~ ~

дл. ло.

е' Д° г' в' н,

с' ~ ~ ~ ~ ~  
- р' в' н .

гн:

в' / ~ ~ ~ ~ ~

or, v ~ v e l r ~ l z.

df. lo.

h, ~ e h h,  
v r ~ v r b v h!  
e r, e r h b b,  
c o z ~ z g z ~ / b;  
l c o e n - / e n,  
~ M c / j e d g.  
e b o z z h  
n h i b r e z c.  
b l g e r r t e n;  
e e n ? z z g g!

o s s c k w t,  
w h o c e y e t,  
e r t b i o s,  
e . i o t , o c o r u q f i ;  
e s o f z o t h e b ,  
o e w t , s i z e r z b !

g r :

e d r v / y e o n !  
r e n v ; o f - n d  
e , c o r z y s c o o f ,  
n e f t o n d z o k n .

alg. Co.

$\partial \mathcal{C} / \nu - \text{last!}$

gen:

$\int \text{top} \sim \nu / \text{den.}$

alg. Co.

$1 \sim \nu - \delta / \text{den.},$

$1 \sim 0, \sigma - 2 \times \sim \text{gl.}$

$1 \sim \nu) \text{pt} - \text{st}$

$\sigma - \text{or } \sim \text{gl};$

$\text{b } \nu \text{ (pt) } \nu \text{ pt},$

$1 \sim \nu \text{ pt } \nu \text{ pt}.$

$\omega \omega', \omega \omega''$ ;  
 $\omega \omega', \omega \omega'' \sim \omega \omega''$ !  
 $\omega \omega', \omega \omega''$ ;  
 $\omega^2$ ;  $\omega \omega' \sim \omega \omega''$ .

$\omega$ :

$\omega \omega', \omega \omega''$ ;  
 $\omega \omega', \omega \omega'' \sim \omega \omega''$ !  
 $\omega \omega', \omega \omega'' \sim \omega \omega''$ .

$\omega \omega'$ :

$\omega \omega', \omega \omega''$ ;  
 $\omega \omega', \omega \omega''$ ;

i-g, ~lg a/r, v,  
-H, r T u v o l l,  
-S i g b i n j g e.  
a b b i n x, c r ~ z d,  
-s o r b e n t z d.  
R u p m z d ~ c t!  
e n r p, b e l t  
j n i p d ~.

g:

d ~ s t r o c t e t o.

24. Co.

24.  $\rightarrow 2022$  /  $y \sim E$

$e \sim c \sim h$

$e \sim c \sim h$

$2 \sim c \sim b$

$2 \sim c \sim o \sim u$

$2 \sim c \sim b$

$1 \sim c \sim b$

25.

$y, 12 \rightarrow 52$

$2, 12 \rightarrow 200$

$\rightarrow 1, 2 \rightarrow 200$

10 ~ all'c'k on?  
e h i n g f,  
- 2! e l e n j c.  
c n ~ b y s t ~ 3,  
b) j n c b.

alg. lo. (l)

1 v o l m l o n o t,  
2 o e n ~ l l p r.

(4)

2 b' rep: N, lo;  
1 e g e n, 2 o, ~ n d,  
2 - n e n' j o,



correl.

no, er vor der Zeit,

~ der mit, common;

o' ~ nur der,

e' ~ der.

^ ~ der C. P.

~ der der D. L.

- er der der D.

der der der.

der der der;

der der der - D

~ der der

o ~ der der der;

- C A 2000 2000 4,

e 2000 2000.

~ 2000 2000,

e ~ 2000 2000;

~ 2000 2000,

2000 2000,

2000 2000,

- 2000 2000,

2000 2000,

2000 2000.

2000:

e 2000 2000, C - a.

ulj lo:

h, l, k, o, i, e, u, v,  
- h<sup>o</sup> h<sup>o</sup> z<sup>o</sup> l<sup>o</sup> u.

z<sup>o</sup>:

z, s, r, v, k, o, a, ~ h  
o, l, l, s, c, ~ n, y, u,  
s, ~ c, o, s, ~ h, j, z, m?

ulj lo:

co, m, o, m, p.

20:

1  $\sim$   $\beta$   $\sim$   $\epsilon$   $\sim$   $\alpha$ ,

20  $\rightarrow$   $\beta$   $\sim$   $\epsilon$   $\sim$   $\alpha$   $\sim$   $\beta$ ;

$\sim$   $\rightarrow$   $\beta$   $\sim$   $\epsilon$   $\sim$   $\alpha$   $\sim$   $\beta$ !

20:

$\delta$   $\sim$   $\epsilon$ .

$\sim$   $\beta$   $\sim$   $\alpha$ .

20: (b)

$\sim$   $\beta$   $\sim$   $\epsilon$ ,  $\sim$   $\beta$   $\sim$   $\epsilon$   $\sim$   $\alpha$   $\sim$   $\beta$ ;

$\sim$   $\beta$   $\sim$   $\epsilon$   $\sim$   $\alpha$   $\sim$   $\beta$ .

df Co:

Ln<sup>-2</sup> f - v m, z  
a' p ~ v e z z v!

q/s.

q:

c<sup>2</sup> ~ v<sup>2</sup>!

df Co:

c<sub>2</sub> - v<sub>1</sub>.

v<sub>2</sub> ~ v<sub>1</sub>, v<sub>1</sub> v<sub>2</sub>.

v<sub>1</sub> v<sub>2</sub>, v<sub>1</sub> v<sub>2</sub>

es ~ z ~ or zy!

6:

~ ~ ~ ~ ~

lv, / / / /

- 'v' / / / ;

1 6 ~ v 2, / / / ;

~ ~ ~ ~ ~ ;

1 6 ~ v ~ o.

6:

~ ~ ~ ~ ~ ;

~ ~ ~ ~ ~ ;

Q:

an n r e e<sup>2</sup> 2?

c o e l e, n l - m?

Uy lo:

r l ~ ~ ~ w e,

\ ° J P, l h.

e n d l d n m j

~ ~ ~ l o v e r.

~ b l e n l, i i w c,

n l J v e l r r e.

- 2 r l, - n - j. 25;

i h n e j ~ ~ ~ h e l!





# AUERBACHS KELLER IN LEIPZIG

*St. f. p. u.*

*lg:*

- *n h u ? n R ?*

- *n p u !*

- *h 2, 0 n o f,*

- *W o d p u s.*

*ben:*

*e n ~ o; e W d h i a,*

*l - e y, ~ o n.*

lg: (ob r ~ 20 c s ~ 2 l)

e r e y l e o!

ben:

e l g!

lg:

r - l - h, 2° - o!

h:

l r 20, 1) g!

2 h 46 v e n, o l - j!

s! 2 u s! 2!

12a:

$\cos v, \sin v$

$\cos^2 v + \sin^2 v = 1$

12b:

$\cos^2 v - \sin^2 v$

$\cos 2v$

12c:

$\cos^2 v + \sin^2 v = 1$

$\cos^2 v - \sin^2 v$

ben:

!wmes!

by:

1.  $ner^2 p^d$ .

o. n.

e r 2 r  $\checkmark$  ij  $\checkmark$ ,

o 2 9  $\rightarrow$  2 9?

ben:

~ r! e! e! ~ C M e

~ e! e! e! r 2 r 2 r 2 r,

e r / u b  $\checkmark$  ij  $\checkmark$  j o m!

12.  $\omega^{\circ} \ell \sqrt{2} p;$

$e_1 / \omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

$\omega^{\circ} \ell \sqrt{2} p;$

g:

2. 12 6 - no! 9' v / am!

o.

2. 5! 2 g a 2.

2. 5! 1 2 2.

2. 5! 2 2 2 2.

h:

h, o, o - - - - 2 6!

1 - 1 2 2 2 2.

6 2 2 2 2, 2' 2 2 - 2.

2 2 - - - - 2 2!

2 2 2 2 2 2 2 2 2 2;

~ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12,

13, 14, 15, 16, 17, 18, 19, 20!

~ 21, 22, 23, 24, 25, 26, 27, 28, 29, 30,

31, 32, 33, 34,

35, 36, 37, 38,

39, 40, 41, 42

ben: (s ~ 1/2 yr)

Ob s! Ob s! p s! v!

1, 2, 3, 4, 5, 6, 7, 8, 9, 10,

11, 12, 13, 14,

15, 16, 17, 18,

19, 20, 21, 22, 23, 24, 25,

W R! ~ S S ~ G Z!  
- S ~ W ~ R ~ Z!  
S.

- a - R ~ R ~ b,  
S - S L - L,  
L) ~ W ~ R ~ b,  
S O' e. R.  
S ~ R ~ R ~ R;  
S O R - R ~ R ~ C,  
S ~ R ~ R ~ R.

2 ~ (S R)  
S ~ R ~ R ~ R.



ben:

b l r, 2, b l r, 2,

- o l o r p,

f d', f y, e r y 2,

- f r d r p,

b l r r r r r r r,

l e l e r r r,

o l r r r.

2:

o l r r r.

ben:

6 n ~ n / n 2 n n

~ P phi,

6 ~ x - H, - n,

- ~ w phi

e n, n ~ 2:

2! 6 e e, 2 y s,

o ~ 6 t R n.

2:

o ~ 6 t R n.

6:

o), Gungli!

-v - Rnd,

~ r n d / f z!

ben:

b f c o z e z d?

ben:

`z d ?` n e n G!

e p r d r p - v!

\ d i p m n v

o z y n m w l

6-25 books

25 books:

1. 20 books on...

2. 20 books on...

3. 20 books on...

4. 20 books on...

5. 20 books on...

6. 20 books on...

7. 20 books on...

8. 20 books on...

9. 20 books on...

10. 20 books on...

ben:

1. 2. 3. 4. 5.

2. 3. 4. 5. 6.

6. 7. 8. 9.

10:

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

11:

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

lg:

$\rho \rightarrow \rho_1, \rho_2, \dots, \rho_n$

$\rho_1, \rho_2, \dots, \rho_n$

$\sim \rho_1, \rho_2, \dots, \rho_n$

$\rho_1, \rho_2, \dots, \rho_n$

$\rho_1, \rho_2, \dots, \rho_n$

ben:

$\rho_1, \rho_2, \dots, \rho_n$

ben:

L.

lg:

~ R, 1 fe b!

alg. lo: (j lg)

~ L p/e L o h ~,

- c, b u r n ~.

lg:

~ e j/b, 1 ~!

lg:

~ e n j n b.

~ o, alg lo j \ o ~ rose.

cosent' n. s. r. lo?

alg. lo.

· - w, J D J / J / J / J?

g1 - o n Loo ~ n / n n

o, p / J / J / J.

· l. r.:

^ z / ~ o c / ~ n.

l. j.:

^ e c g1 / J / J / J / J?

o ^ z z ~ z o ~ J / J / J / J?



27.6.:

27<sup>2</sup> 12 ~ 12 b!

12 ~ 12 f 2.

10 ~ 10 c, f, a,

f 10, 1 ~ 10 g.

~ 1) n b.

12.6. (10)

12 12! ~ 12!

6.:

~ 12 12!

lg:

$\sim, \omega \leftarrow, \sim \sim j!$

alg. Co:

$c_1 / N, 2 \sqrt{r}$

$\mu \mu 2_0 \sim ?$

$\rho, \rho_0 \text{ h. } \alpha$

$\int \alpha \text{ c. } \epsilon \sim !$

lg:

$\leftarrow \text{ c. } \sim \int \alpha_0 ?$

uf. lo.

—, ~! , ~! . p, ~! . 6 . 20.

ren:

w J ~ l!

uf. lo.

c r w, ~.

lo:

— D ~ ~ ~ ~ ~ !

alg. Co.

1.  $r \sim r \circ p \circ p^{-1}$ ,

2.  $z \sim r \circ c \circ c^{-1} \circ p$ .

$\omega$ .

1.  $a \sim b \sim c$ ,

2.  $1 \sim 2 \sim 3 \sim \dots$

lg.

2.  $1! \sim 2! \sim 3! \sim \dots$

$\sim 1 \cdot 2 \cdot 3 \cdot \dots$

alg. Co. ( $\omega$ )

1.  $a \sim b \sim c$

1. 2063,  
~ 1' 21/100,  
sooooooo  
es h. o g e,  
' g e n z:  
e, v<sup>2</sup> / h n e  
- v p 2 o ~!

ben:

so - 1, 2 g e g e,  
e, v s p v,  
- e, - k o n t r;  
1, 2 o n t r!

25. 10.

201-202

am 20. 10.

201-202, 203,

204-205

- 206-207,

- 208-209.

210-211

212-213.

- 214-215,

216-217,

218-219

220-221,

-a b / m n,

-a b l.

m n - y u

o s, c r p.

2: (p)

m n - y u

o s, c r p.

g:

l! l! e a z!

h:

—°-terls n!

ben:

gh, bn - Wol!

h:

-n, l! - n'c!

gh h:

shv m ~ 20, l! 2/1 m,

c ~ c ~ b 10 c m.



6:

122e/ε22!

2/3 60:

1. 66 → (d/yr);

o d 22, 90 c 26

o 22 20/6.

6:

→ 22! 1 20 5 2.

6:

22 1 ~ 20 20, — — — 1 2 2.

→ w/n j n l u

e c 1 t e p n °

w 1 D e 2 l u

ben: (✓)

b 2 l u, c 1 p v

df lo:

g l ~ l u ~!

ben:

c o ° l 2 p n ?

h 2 d / l o ~ n ?

128:

est' d' d' ~ n d' d' c' g' f'.

129: (n d' ~ n d' / l' g')

~ d', c' c' g' / j' z' n'?

130:

c' z' / a' d' / ~ n d'?

131:

1 f' - n d' l'.

*Ans:*  $(y, z)$

$x, y, z$  and  $z, x, y$  are given.

*By:*

$x, y, z, x, y, z, \dots$

$e, h, c, \dots$

*Ans:*  $(x, y, z)$

$x, y, z, x, y, z, \dots$

$e, h, c, \dots$

*Ans:*

$D, e, z, y, x, z, \dots$

als Lo: (yber)

- 1?

ben:

1- junc

- 126<sup>00</sup> 0!

als Lo; 1 2<sup>00</sup>, 126<sup>00</sup>  
12- 126<sup>00</sup>.

ben:

12- 126<sup>00</sup>

12- 126<sup>00</sup>.

~ the 2 ~ ~ ~ ~ ~  
D ~ ~ ~ ~ ~

6: (n) ~ ~ ~ ~ ~  
~ ~ ~ ~ ~  
~ ~ ~ ~ ~

~ ~ ~ ~ ~  
~ ~ ~ ~ ~

~ ~ ~ ~ ~  
~ ~ ~ ~ ~

2/3 Co.

1/1 1/1 2/2 2/2 2/2

1/1 1/1 2/2 2/2

2/2 2/2 2/2

2/2 2/2 2/2

2/2 Co.

2/2 2/2 2/2

2/2 2/2 2/2

2/2 Co. (2/2 per)

2/2 2/2

2 m' p u ;

' c : o l , 2 g , u ,

' 2 g u o r c o u .

~ h u z , u !

x ~ c e , u !

~ p , l e - p b !

• ( n b , l e p - t e r ' e t

c n o z o - l l )

- z u h u , l b !



ulj lo:

→ m, e r v i s b!

o h m e d l.

u: (o w)

5. 2 y n t e c,

s o b l e w o z!

ulj lo:

e L i t, a n, o c o' R n!

6:

1 → 2, 3, 4, 5

df Co:

1 → 2, 3, 4, 5

1) 2, 3, 4, 5

6: (1, 2, 3, 4, 5, 6, 7, 8, 9, 10)

2, 3, 4, 5, 6, 7, 8, 9, 10

df Co: (1, 2, 3, 4, 5)

1, 2, 3, 4, 5

1 ~ 2

l n a - ~ l h b s i

6:

c o e o ? w ! r y d - L s i  
- z u , e r s / m .

4:

o - s e j j z u w !

12:

1 e l , r s o r z y d o w i n .

do:

co, x?, -) fzi,

-x o 2 f o l u?

df do:

f, - l c lo!

do:

log!

g - 1 2 2 l u m?

ben:

cl -, - a z z v m!

*res:*  $(\rho \sim \rho \rho^2 \rho,$

$-\rho \rho \rho m)$

$1 \rho! 1 \rho!$

$\rho \rho! \rho! \rho!$

$\rho \rho, \rho - \rho \rho \rho \rho.$

*df*  $\rho:$   $(\rho \rho \rho \rho)$

$\rho \rho - \rho$

$\rho \rho - \rho!$

$\rho \rho - \rho!$

$\rho \rho \rho - \rho \rho \rho.$

ben:

c v r? c b o z r c!

by:

c w r! o, r!

to:

- h r / r!

ben:

r b r h r,

o, c d ~ f! o, c d h!

↳ per il no.

↳ per il no. - m, v.

↳ per il no. (o m)

N<sup>c</sup>, o no m

- m, o no m.

↳ per il no. per la m.

↳:

com?

ben:

o?

by:

all no?

ben: (y b)

- e 1 2 20!

ben:

- a ~ y, r ~ p ~ z!

z ~ f, 1 b ~ r!



lg:

~ , d v ~ , co: p.?

lg:

c' m? c r p v,

v v / v v v!

lra:

12 ~ 620 / r n r m

r r l o ~ o z m

- d v ~ z ~ l o .

) D<sup>2</sup> of ooc.

z! c' c ~ l o ?

6:

thca-oo, n-z.

7:

vezeo, ohica.

8:

noa-2~h?

9:

~ov ~, v<sup>o</sup> ~ ca?!

# HEXENKÜCHE

1 2 3 4 5 6 7 8 9 10 11 12  
13 14 15 16 17 18 19 20 21 22 23  
24 25 26 27 28 29 30 31 32 33 34  
35 36 37 38 39 40 41 42 43 44 45  
46 47 48 49 50 51 52 53 54 55 56  
57 58 59 60 61 62 63 64 65 66 67  
68 69 70 71 72 73 74 75 76 77 78  
79 80 81 82 83 84 85 86 87 88 89  
90 91 92 93 94 95 96 97 98 99 100

U. v. G.

Q:

v Ege L wson!

ghev, i, ror

z q c f s w ?

w, v s r s c w ?

- g h, o e n h

c e b h v s w ?

o v, c e, i u c b !

j, i, s h, v g e i

v, i, n h - v ~ e r v b

l n r e ~ u o e g l e i ?

2/3 Co.

2 Co. ~ 1/2 E. 1/2

1/2 1/2, 1/2 ~ 1/2;

~ 1/2 ~ 1/2,

~ 1/2 ~ 1/2.

1/2:

1/2 ~ 1/2.

2/3 Co.

2/3 ~ 1/2, → 1/2

~ 1/2 ~ 1/2:

1/2 1/2 ~ 1/2 1/2,

h ~ j ~ m ~ j ~ h  
s t p - e ~ o  
z ~ r ~ y ~ f ~ u ~ r ~ o,  
w ~ d ~ r ~ p ~ f ~ g ~ o,  
r ~ r ~ p ~ o ~ p ~ - ~ r ~ | ~ l ~ o,  
~ r ~, ~ e ~ n ~ t ~, ~ b ~ j ~ e ~ r ~;  
e ~ e ~ l ~ b ~ z ~, ~ r ~,  
s ~ p ~ l ~ e ~ p ~ j ~ s ~ m ~!

6:

e ~ v ~ | ~ f ~ l ~, ~ r ~ v ~ | ~ l ~ e ~ r ~,  
~ g ~ h ~ z ~ i ~ x ~ j ~ r ~.  
e ~ r ~ n ~ g ~ r ~ v ~ r ~ | ~ r ~.

df Co:

— wend, Bw.

U:

werde  $\mathcal{L}$ !

$\sim$  h/oh  $\mathcal{L}_i$ ?

df Co:

ec  $\sim$  zur  $\mathcal{L}$ !

$\frac{1}{2} \mathcal{L}$   $\mathcal{L}$   $\mathcal{L}$   $\mathcal{L}_i$

Ind -  $\mathcal{L}$ ,

$\mathcal{L} \rightarrow \mathcal{L}^2$   $\mathcal{L}$   $\mathcal{L}$ .

$\sim$  zur  $\mathcal{L}$   $\mathcal{L}$ ,

1, f → d, l, r, nll.

-so, co, y, p, d,

-<sup>2</sup> n, co, n, d!

\ l, o, b, f, p, l;

en \ l, r, o, / d.

in, w, e.

b, d ~ p, o, p, l!

e, r, e! e, \ nll!

j ~ m.

-z, l, i, b, / j, z?

1, w:

\ z, o,



$e^2 z_0$

17777 20!

25.60:

$a \sim b, c, j, z, m?$

177:

$\sim r, s, l, n, m.$

25.60: (y, l)

$a, b, c, e, j, z, m?$

Q:

—  $yzv, o_1 \rightarrow h e o!$

df. Co:

~ , ~  $e^v \rightarrow o q e_1$

·  $z e; \sim, n d \sim b!$

$f \sim m:$

—  $d v e, M A,$

$co E \sim r z^2 \sim z_2^2$

1. W:

$r n z \sim u b o_i$

alg. Co.

es ist  $\sim 20$  Gew.

$\checkmark$  m:  $(\mathcal{R})x - z \mathcal{R}^2 \text{ alg. Co.}$

$\checkmark$   $\mathcal{R} \rightarrow \mathcal{R}$ ,

$\checkmark$   $\mathcal{R} \mathcal{R} \mathcal{R}$ ,

$\checkmark$   $\mathcal{R} \mathcal{R} \mathcal{R}$ !

$\checkmark$   $\mathcal{R} \mathcal{R} \mathcal{R}$ ,

$\checkmark$   $\mathcal{R} \mathcal{R} \mathcal{R}$ ,

$\checkmark$   $\mathcal{R} \mathcal{R} \mathcal{R}$ .

alg. Co.

$\checkmark$   $\mathcal{R} \mathcal{R} \mathcal{R}$ !  $\mathcal{R} \mathcal{R}$ ,

✓, → Drossel!

z<sup>2</sup> 2, Längs 2 - 20 m f

- ver 62.

rh:

e, d;

6 f - l

- u / y 0;

6 r w 0 20 m

0 u e l l e!

• 2. 1000.

2 2 / 6 0;

-x Jz:

»1 v v v!«

2 M o,

2 d e s!

g r b g u!

6 S L,

- v g u.

v f l o:

c o ° e d?

' m: (2 d - d)

c d e g ~ d,

$\rightarrow \rho_2 \sim \rho_1$

$\rightarrow \rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

$\rho_2 \sim \rho_1$

df lo:

p lo v!

~ m:

~ ce ~ r,

- of p 200!

~ v ~ df lo / of.

Q: (ch of s ~ r p p p,

) p ce p p, ce) (p p p p)

cos r? cd ~ r p p

f p) 2 p p p!

~ r, s v ~ p p e p,

- b r p z r p e!

D c 1 / s r f u l u,

c 1 - c 2, s / r 2,

r 1 b → o c r n o z 2! m

e z d v e s r c u!

h r z; e c u - z u?

w 1 ~ r z f t r

~ u h s e r z 2?

- k o l r e 1 ) s r e 2?

u f l o.

~ r; c ~ z 1 ) l o o n c d,

- b a r e l c d,



erz - cosp<sup>o</sup>c.

ln. o. o. p. m. o.

1. o. o. - ~ p. p. o. o.;

- o. o. c. e. n. p. o. o.;

o. L. m. o. z. y. b.!

o. o. p. m. z. ~ p. p. o. o. l. o. ) z. z. o. o. e. n. e

- z. z. c. e. p. o. o. l. l. p. p. o. o.

o. o. p. m. z. ~ p. p. o. o. l. o.;

~ p. p. o. o. l. o. z. - l. l. p. p. o. o.

1. W: (et 5 en ce. w<sub>2</sub> e p l 2,  
W<sup>2</sup> d f l o - r n 2 2 b f)

1 - 2 - 4

2 2 0 - 2 4

1 r n j w!

6 2 2 1 2 1 r n 2 - p l 2 2 f g r,  
2 c h 6 2 f r.

2 i - p u!

1 r n - 2 2,

1 2 r - 2 r n

Q: ( $n \sim p^2$ )

osv! c y wd.

df. lo: (s, v e re)

~ b / v ~ b b ~ l / z m.

iv:

- c - j wd,

- c - j wd,

- z - j m!

Q: (o ~ u)

~ b / v ~ j / m!

den 15 → 10!

die 10: (2 - 10 f)

~ 10 20 30 40 50

e - 10 20 30 40 50.

no, ch, ng, s, o, n, p, l, w, z, y, h,

- 10 - 20 30, 40 50 60 70

z, d, l, b, n, v, p, l, r, z, y, a, f, s, h, n.

10:

1! 1! 1! 1!

10! 1! 10 1!

$\omega \sim \omega, \omega, \omega!$

$\omega \sim \omega!$

$\omega - \omega \sim \omega$

$\omega \cdot \omega?$

$\omega^{\omega} \sim \omega?$

$\omega \rightarrow \omega \sim \omega?$

$\omega \cdot \omega \sim \omega?$

$\omega \cdot \omega$

$\omega \cdot \omega!$

6. 1/2^2 p. l. i ~ no - ff. l. n. D. G.  
d. f. l. o. - ~ m. , n. o. e. n.

d. f. l. o. : (c. h. ~ c. e. , ~ , i. x. z. l. , v. u. l. -  
l. i. z. o. - l. z. t.)

y! y!

e. s. t. l!

e. s. t. e. z. o!

i. t. g. o.

w. e. s.

j. e. z. e.

n. i. z. o. ~ n. - t. o. p. m.

$\sin \theta \approx \theta$  for small  $\theta$ !

$\cos \theta \approx 1 - \frac{\theta^2}{2}$ !

$\tan \theta \approx \theta$ !

$\sec \theta \approx 1 + \frac{\theta^2}{2}$ !

$\csc \theta \approx \frac{1}{\theta}$ !

$\cot \theta \approx \frac{1}{\theta}$ !

$\operatorname{cosec} \theta \approx \frac{1}{\theta}$ !

$\operatorname{sec} \theta \approx 1 + \frac{\theta^2}{2}$ !

**1.2.2:**

$\sin^2 \theta + \cos^2 \theta = 1$ !

$\sec^2 \theta = 1 + \tan^2 \theta$ !

$\csc^2 \theta = 1 + \cot^2 \theta$ !

als Co.

brandy - es;

erl. - cz;

erst/pz.

Dina, edel,

25 ~ 46) fl;

en of la in / u / zi

ebenz, gl - us?

- co ~ lo M, ~, / v ~,

1<sup>s</sup> v ~ zi

erw, v, 2 w h u,

o h h g c.



1.  $\beta$ : (type)

$\sigma - \gamma \in \omega, \gamma;$

$\sigma_1 \sim \omega \text{ on } \mathbb{E} \sigma!$

2.  $\beta$ : (type)

$\sim \omega, \sigma, \omega, \omega!$

1.  $\beta$ :

$\omega_1^2 \omega, \omega, \omega!$

2.  $\beta$ : (type)

$\omega, \omega, \omega, \omega!$

$\omega, \omega, \omega^2, \omega \hat{\omega}, \omega,$

$\sim \cos^2 \theta \rightarrow 0, \cos^2 \theta \rightarrow 1$

$\epsilon \sim \nu^2 \mu \omega, \dots, \Delta \nu_i$

$1 \nu \sim \nu \omega, \nu \dot{\nu} \nu \omega$

$\epsilon \int \frac{d}{dt} \sim \nu \nu \omega \nu_i$

$\rho \nu, \epsilon \cdot \epsilon \nu, \epsilon, \nu!$

$\sim \nu \rightarrow \nu \nu \nu \nu$

$\nu \nu: (\nu \nu \nu)$

$\nu! \nu! \epsilon \cdot \nu \sim \nu \nu!$

$\nu \nu \sim \nu \nu, \nu \nu \sim \nu \nu!$

$\nu \nu \nu: (\nu \nu \nu)$

$\nu \nu \nu, \nu \nu \nu \nu!$

9. 1. 2. 3. 4. 5.

1. 2.

~ 0. 1. 2. 3. 4. 5.

1. 2. 3.

~ 2. 3. 4. 5. 6. 7. 8. 9. 10.

0. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2.

2. 3. 4. 5. 6. 7. 8. 9. 10.

0. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. D/2 R v c b g d ;

1 - 1 m ~ 2 b m.

o.

2 c - 4 m p u h d

- n, d r c, l - g e m.

2/3 lo.

i ~ 2 b c<sup>2</sup> - p 2 ;

2 m m e t e r d.

p e r ~, p e f t,

- r r - 10 !

1.  $\mathbb{R}, \mathbb{Z}$  sind per,  $f \sim \sim$  -  $f$   $\mathbb{C}$   $\mathbb{C}$   $\mathbb{C}$   
 $\mathbb{R} \mathbb{Z}$ ;  $\mathbb{Z}$   $\mathbb{C}$ ,  $\mathbb{Z} \sim \mathbb{Z}$ ,  $\mathbb{Z} \sim \mathbb{Z}$   
 $\mathbb{C}$ , -  $\mathbb{Z}$   $\mathbb{Z}$ :  $f \mathbb{W} \mathbb{C} \sim \mathbb{Z} \mathbb{C}$ ,  $f$   
 $\mathbb{Z}$   $\mathbb{Z}$   $\mathbb{Z}$   $\mathbb{Z}$ ,  $\mathbb{Z}$   $\mathbb{Z}$  -  $\mathbb{Z}$   
 $\mathbb{Z}$   $\mathbb{Z}$   $\mathbb{C}$   $\mathbb{Z}$ ,  $\mathbb{Z}$   $\mathbb{Z}$ .

$\mathbb{Z}$ :  $(\mathbb{Z} \mathbb{Z} \mathbb{C})$

$\mathbb{Z}$ ,  $\mathbb{Z}$   $\mathbb{Z}$ ,  $\mathbb{C} \mathbb{C}$   $\mathbb{C}$ ?

$\mathbb{C}$   $\mathbb{Z}$   $\mathbb{Z}$ ,  $\mathbb{Z}$   $\mathbb{Z}$   $\mathbb{Z}$ ,

$\mathbb{Z}$   $\mathbb{Z}$   $\mathbb{Z}$ ,

$\mathbb{Z}$   $\mathbb{Z}$   $\mathbb{Z}$ ,  $\mathbb{Z}$   $\mathbb{Z}$ .

als Co.

1. Co! e.  $\rightarrow j$  Di;

1  $\rightarrow$  1  $\sim$  - für w!

620 o  $\rightarrow$   $\sim$  2 b  $\rightarrow$  Di,

er' der c  $\rightarrow$  r.

$\sim$   $\rightarrow$  Di,  $\sim$   $\rightarrow$  j k.

1. Di: (220 d o b l  $\sim$ ,  $\sim$   $\rightarrow$  j e w o n)

g r b j!

o  $\sim$  v j,

- j o r,

- e v j,

— be ✓.

er, f!

o bl - o,

— d, B,

o m - n,

— p M:

— r i,

— f i n e.

e e h - r e!

6:

o n t, , s p r k.

2/3 Co.

e. 2. 2/1

1. 2. 2/1, — 2. 2/1

2. 2/1 2/1

e. 2. 2/1

2. 2/1 2/1

2. 2/1 2/1

— 2. 2/1

2. 2/1, — 2. 2/1

2. 2/1 2/1

— 2. 2/1 2/1

2. 2/1 2/1

2. 2/1 2/1, — 2. 2/1



- 20) a d D c e m s.

1. 2. (L/P)

1. 2. 2. 2.

1. 2. 2.

1. 2. 2. 2. 2.

1. 2. 2. 2.

1. 2. 2. 2.

1. 2. 2. 2.

1. 2.

1. 2. 2. 2. 2.

1. 2. 2. 2. 2.

Perd, 12 ~ 202  
Sachse ~ Pl.

df. Co.

m, m, - the best!  
Kerha, - Co  
1, 2, 3 ~ 202;  
erzähl' & L/ger:  
in 2 Stücken,  
'wahr z. p.

1, 2, 3 ~ 202, 202 ~ 202 - 202;  
066 ~ 202, 202 - 202.

→ hat! m!

→ 2 2 2 2 2

→ 2 2 2 2 2

→ 2 2 2 2 2

→ 2 2 2 2 2

→ 2 2 2 2 2

→ 2 2 2

→ 2 2 2 2 2

U.S. (1/2)

- 100 copies

- 100 copies

1/2

~ 100 copies

- 100 copies

U.S. (1/2)

~ 100 copies

~ 100 copies

~ 100 copies

~ 100 copies

- we p b e z n n y u,  
a) z (e - 1 - 2 - e) p u.

4:

o p - z z z z z z!  
e h v e a n j z z!

u f l o:

~! ~! e° e f - e h  
~ we s o p - e o z.

o.

e b, z q h r s u,  
we z n z l e r c u.



# STRASSE

cf. *was* *spe.*

cf:

*zu* *zu* *zu*, *er*, *er*,

*zu* *zu* *zu* *zu*?

*was*:

*zu* *zu* *zu*, *zu* *zu*,

*zu* *zu* *zu* *zu*.

*zu* *zu* *zu*.

6:

✓ 22, 90 ✓ 10. 22!

— 100 1 ~ 100.

6: — 6: — 100 ✓,

— 100 2 10 10.

✓ 10, 10 10,

10 10 10 10!

0 6, 2 2 2,

2 2) 2 2 2 2 2;

0 6 2 2 2 2 2,

0 2 2 2 2 2!

22 10 10.



6:

z, y, v, w, on zh!

uf lo:

z, ch?

6:

br f u.

uf lo:

er, r, b, n, s, m, ch,

p, b, n, ch

z, p, v, w, f, u,

i ~ 2 p o e r,  
e n l l / u l r;  
s i o r n p!

6:

• s s y h d l.

2/3 Co:

e s p h o z e r,  
' u n t e r u l),  
- e n l r, - c n n i'  
- z d, i / b n c;  
n n d / m ~

6:

z z v b r o,

s, v p z z p z k r!

- e s, k r v y - z:

c l e p h u

z, k z z z z v,

- z r z k r p r.

z k l o:

u e n t, c o m i - p z v!

z k c a t h y n,

z, k r v y - z:

6:

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

6:

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

$\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$

constant of  $\beta$ .

Q:

$\alpha \ln D \rightarrow e$ .

U.S.:

$H \rightarrow \beta \rightarrow \rho$ :

$\alpha \rightarrow \beta^2 \rightarrow \rho^2$

$\alpha \sim \beta \rightarrow \rho$ .

$\beta \rightarrow \rho \rightarrow \rho^2$

$\rho \rightarrow \beta \rightarrow \rho$ .

4:

$z \sim \kappa \sigma \sim \text{neg!}$

$b \sim m \sim \text{neg!}$

$z \sim 2 \sigma \sim \text{neg!}$

$\sim \text{neg!}$

4.6:

$e_1 \sim e_1 \sim \text{neg!}$

$\sim \text{neg!}$

$\sim \text{neg!}$

$\sim \text{neg!}$

Q:

-° 6 0 2' 6 2'

df Co:

~!

6' ✓ ~ Anon.

z<sup>o</sup> ~ 1/2 y ~

~ er 2 by all<sup>h</sup> Le

z Me 6/10 01/10 ch.

Q:

~ 12'

alg. Co.

- 2/10.

4:

overlapped!

1.

alg. Co.

2/10: e. W. es. 10!

1000000000

- 1000000000

1000000000.

1.





# ABEND

~ ~ ~ ~ ~

W.M.: (Nyl l'be - sere)

12202, c1 → d,

c2 → x po!

o p p l c u o

- o l e r 2;

e n 1 R ~ i g u s o m

o c D o d / - m p o:

a.

u f l o . l f .

2/3 Co.

2, 2y, 0, 2!

4: (2D ~ 10 g y w)

1, 1. 0, 0, 0!

2/3 Co. (2y 10)

1, 1, 0, 0, 0.

1.

4: (10 g y w)

1, 1, 0, 0, 0,

1, 1, 0, 0, 0!

St. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

2. *sonst, er se b.*

1. *b, ver, er 2b*

1. *b - er, 2b 000,*

1. *m. d. n. k. b*

~ *Ps ~ d. d. m. l. 2b,*

~ *er je b 000.*

1. *er! - 2b!*

1. *er! - 2b!*

- *er!*

1. *er - 2b.*

1. *er - 2b!*

1. *er - 2b*

1. *er, 2b, 2b*

~ yin re!  
x ne r! r r r r  
~ y r r r,  
- x r r r r r  
x r r r r r!

- y! c o r r r r r?  
o r r r r r r!  
c o - y r r? c o' e r r r r?  
r o r r r! r r r r r.

r r r r r - r r r?  
r r r, - r r r r,

- b p, r, s, t, u, v, w, x, y, z!

z, r, s, t, u, v, w, x, y, z!

- v, w, x, y, z, r, s, t, u, v, w, x, y, z,

o, s, t, u, v, w, x, y, z!

v, w, x, y, z, r, s, t, u, v, w, x, y, z!

r, s, t, u, v, w, x, y, z!

u, v, w, x, y, z, r, s, t, u, v, w, x, y, z!

u, v, w, x, y, z, r, s, t, u, v, w, x, y, z!

u:

u, v, w, x, y, z, r, s, t, u, v, w, x, y, z!

25. Co.

2. ~ r b e z,

120 C # 2 ~ w.

f. 2 ~ m ~ z,

12 ~ 1, 1 ~ 16;

14 ~ 2,

2 ~ 1/2.

f. 2 ~ 2, - f. f.

6:

1 C / 0, 1/2



2/3 Co.

W r f?

2/1 r f ~ 2/1 cur?

2/1 r f ~ 2/1 cur?

1/2 r f ~ 2/1 cur?

- 2/1 r f ~ 2/1 cur?

1/2 r f ~ 2/1 cur?

1/2 r f ~ 2/1 cur?

1/2 r f ~ 2/1 cur?

1/2 r f ~ 2/1 cur?

1/2 r f ~ 2/1 cur?

1/2 r f ~ 2/1 cur?

1/2 r f ~ 2/1 cur?

$\sigma \wedge \tau \sim \tau \wedge \sigma$ ,

$\sigma \wedge (\tau \wedge \rho) \sim (\sigma \wedge \tau) \wedge \rho$

$\sigma - \tau \wedge \sigma$ !

$\rightarrow \rho$ !

1.

*wmt:*  $(\tau \wedge \sigma)$

$\tau - \sigma, - \text{ep}^2$

6 v l e l d s.

$- \cdot \partial \mu - \text{cr} / \text{e}_0$ .

$\tau - \nu, \tau \wedge \sigma / \sigma \wedge \tau$

$\tau - \nu, \tau \wedge \sigma \wedge \rho$ .

$\tau - \nu \sim \tau \wedge \sigma \wedge \rho \wedge \tau$

v d ~ l b b a c u!

b b ~ j o ~, n b) - g!

- a ~ n d ~ 4

n l ~ e h,

<sup>2</sup> g u e o 4

~ z e i n d u.

- n r e s,

- d r t e z o i

1 n r ~ r s,

- l l h e o.

-o. n / f h,  
f. o f d R ✓,  
2 d o o r h,  
~ d h / p.

o o r n r h,  
h r r r,  
r r n f h o,  
e r s<sup>2</sup> z o r r.

e r g e i f h,  
h r f h o r  
- e r ~ 2 h h

28. 6.

1. 0 1 2 3, 4 5

- 6 7 8 9,

10 11 12 13,

14 15 16 17.

18 19 20, 21 22 23 -  
24 25 26.

27 28 29 30 31?

32 33 34 35.

36 37 38 39 40?

U h e s ~ l e,  
- r u p e s.  
e s w ~ g o t h n o e  
i e r c, i v - s!  
c o : e r r l e r ! g,  
- c o r r n n / p i !  
~ z ! r r ~ l e h  
n s t l u n n.  
o v, n f ?  
a n n / p n ?  
o ( y ) e s - n ~ g r.  
c t, ~ r r c n !  
w s t r r y s e.

cosell 727, ho 47?

e.c. 207-2,

un 6000;

un 727 un.

Dr 27,

un 27

Dr 27!

# SPAZIERGANG

Uz pms - 1000.  
100000.

Uz 1000.

Uz 1000! Uz 1000!  
1000, 100000, 100000!

Uz:

1000? 1000000000 - 1000?  
- 1000000000!



*ry lo:*

12222222222222

c1-6m46c!

*6:*

2) or co R n l y u?

D n e s o ~ s e y u w!

*ry lo:*

ent ~ ; ~ z, l W h y p l,

~ 2 ~ l l 2 c p l!

12222222222222

22222222222222

1. 422 ~ 422 P,  
2. 1/2 1/2 1/2 1/2  
- 1/2 1/2 1/2 1/2,  
reorder. a b c;  
- 2 2 2 2, 1/2 1/2,  
e a / b o c.  
» 2 2 «, 1/2, » 1/2 1/2  
1/2, 1/2, 1/2 1/2.  
— 1/2 1/2 1/2 1/2,  
1/2 1/2 1/2 1/2!  
1/2 1/2 1/2 1/2,  
1/2, 1/2, 1/2 1/2,  
- a! 1/2 1/2 1/2!

1. r - l p m.

1. r p - l h n w;

1. r ~ p o ~ w,

p) ~ w c m.

1. p: ~ w n p!

c s o e, p!

1. r h o ~ w n,

o r y r e f o

- e l ~ w) s r o;

1. r p e, r, h h,

r p l o y e s.

Q:

e: ~ g ~ b,

~ t ~ n ~ d.

Ug. Co.

Pd ~ g, n - v,

o c ~ n b,

ent/cn - /v,

o b ~ n d ~ c,

Pm ~ n b ~ m

- b c ~ o y e s.

U:

-WZ?

Uf Co:

$\sigma \sim \rho^2$ ,

$\cos \alpha, \cos \beta \sim 2^\circ$ ;

entropfen -  $\Omega$ ,

$2u \sim \tilde{\nu} \wedge \mu$ .

U:

$\sigma \mu \sim 4v \cdot e$ .

$g \wedge \rho \sim \rho \cdot e!$

$\rho \wedge \alpha \wedge \beta - 1/2$ .

Uf Co.

— 4, 2 miso ryp!

U:

— D, — 6 D r r o,

r p r r r!

— 4, 6, 0 — 1 0 6,

— 2 r r r r r!

Uf Co.

4, 2 r r r, 2 r r r.

U r.

2/3 Co.

— ~ ~ ~ ~ ~

100, 200 - 500

1/2 1/2 1/2 1/2 1/2

1.

# DER NACHBARIN HAUS

WP: (—)

21 y 20 v 2 h 2,

1 2 ~ v / c p!

21 es fo 2, d 2

- b p s 2 f s e n.

1 r d c u / d h,

1 r, c o 2, 1 2 y. h.

6 c d.

f. 2 1 1! m — c! m

1, 1 ~ 1 h g!



wmt and.

wmt:

hwp!

wmt:

hwp, co<sup>2</sup>!

wmt:

hwp, hwp!

hwp, hwp

hwp, hwp,

hwp, hwp,

✓✓ 2, 0 e 1 a.

wp:

erob / 2 m a;

✓✓ 3 2 / ✓✓ 2 h.

wp:

Dob ! D 2 b !

wp: (y 6 5)

—, 9 2 0 2 m !

www:

erl v, er, /s' ro

2i' n' r' o' s.

www:

~ r e ~ l / v x,

- n ~ z x z ~ i

g ~ g h ~ i g r o ~

r z i l e i

- e n ~ n o, n ~ b,

c r o - D - D ~ n o s b.

~ n h b, l e e n ~ i

r z a c l, n v r D c o ~

WMT:

ant →, verb form?

-n/2/2/2/2/2!

-n/2.

WMT:

Dz! ver 2/2?

WMT: (e o 2/2)

i ~ her 2/2!

2/2/2/2/2.

alg. Co.

v - l, le 2 ph,

wo ~ h y 2 m.

h m p - w m p.

— D h w s g e t h!

w p:

1 v; co 2' 2 / 2 n?

alg. Co. (v o / 1)

1 m b f, v e p i;

6 2 e m ~ m b.

f, l, 1, 1, p, m,

- Der Erw.

wp: (A)

er,  $\sqrt{e}$ ,  $z \rightarrow z' \cdot d!$

$\cdot z \cdot p \sim L \cdot z!$

wp:

$1 \cdot v \sim v_0 \cdot h_0 \cdot l_i$

$Dz! \cdot z \cdot z / z:$

$z - \beta e^{z/2}$

df. lo:

$D, - \cdot / \cdot z \sim i$

63 ~ 60, ~ 6 — 7.!

0L, 70, e, 1, 6, 7, 8, 9.

WP:

60W, 70, 80, 90, 100

WP:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

12, 13, 14, 15, 16, 17, 18, 19, 20:

12, 13, 14, 15, 16, 17, 18, 19, 20:

WP:

12, 13, 14, 15, 16, 17, 18, 19, 20:

22:11! D, m!

22:11:

D! K b, y l!

22:11:

— 22:11, L r p!

22:11:

22:11, n' b,

\* P b j l e m.



Ug. Co.

Lero l, lero Le 2.

wp:

y/v o no zo!

Ug. Co.

\ A<sub>2</sub> C<sub>2</sub> Sh

w<sub>2</sub> Sh L<sub>2</sub>

~ ^ C<sub>2</sub> f<sub>2</sub>

f<sub>2</sub> v<sub>2</sub> u<sub>2</sub>.

WP:

2100d9~Pjkm?

df.co:

h, - u, 20-gi:

o6dhlrseelwom!

R8h<sup>2</sup>2p.u.

WP:

co! ~ jff? ~ pfe?

co te xcvawg R h<sup>o</sup> owoj,

f yem ad,

-h 2w, h u!

25. 60.

200, - 40 20. 1;

~ 100 2000 / 10.

1. 100 100;

1. 100 100 200.

2000:

1. 100 100 - 1000

100, 100 100 100.

25. 60.

100 100, 200 100 / 100;

100 100 100 100.

www:

D ~, e n f / 2 / ~.

df lo:

p / ~ ~, ~ ~ ~ ~.

' : ~ ~ ~ ~ ~,

~ ~ ~ ~ ~ / ~.

www:

e ~ ~ ~ / ~ ~.

df lo:

~ ~ ~ ~ ~ ~ ~.

wp:

ф/у в!

уф. lo:

1 фс ~ о фмн,

- а с о в о с в,

с з а ф ф; - - ф м о в

- в с, е, с в и с' ф -

»с«, л, »о, в' с' в о о,

- в ф м, в с - / о!

п, и, в' в м в

с в в - и з в м!»

wp: (cwe)

'z z! 10 P d m.

uf lo:

»        ,          z! 6 c z je o 1.«

wp:

e d ! c o ! n v e o h o j m !

uf lo:

'k f p o z f j m ;

c 1 -> z d ~ m v :

»1 L«, P -, »j f j k y j d

1.  $\sqrt{a}$ ; -  $a$   $\sqrt{b}$   $\sqrt{c}$ ,  
-  $\sqrt{a}$   $\sqrt{b}$   $\sqrt{c}$ ,  
-  $\sqrt{a}$   $\sqrt{b}$   $\sqrt{c}$   $\sqrt{d}$   $\sqrt{e}$   $\sqrt{f}$   $\sqrt{g}$   $\sqrt{h}$   $\sqrt{i}$   $\sqrt{j}$   $\sqrt{k}$   $\sqrt{l}$   $\sqrt{m}$   $\sqrt{n}$   $\sqrt{o}$   $\sqrt{p}$   $\sqrt{q}$   $\sqrt{r}$   $\sqrt{s}$   $\sqrt{t}$   $\sqrt{u}$   $\sqrt{v}$   $\sqrt{w}$   $\sqrt{x}$   $\sqrt{y}$   $\sqrt{z}$ .

2.  $\sqrt{a}$ :

1.  $\sqrt{a}$   $\sqrt{b}$ ,  $\sqrt{c}$   $\sqrt{d}$ ,  
2.  $\sqrt{a}$   $\sqrt{b}$   $\sqrt{c}$   $\sqrt{d}$   $\sqrt{e}$   $\sqrt{f}$   $\sqrt{g}$   $\sqrt{h}$   $\sqrt{i}$   $\sqrt{j}$   $\sqrt{k}$   $\sqrt{l}$   $\sqrt{m}$   $\sqrt{n}$   $\sqrt{o}$   $\sqrt{p}$   $\sqrt{q}$   $\sqrt{r}$   $\sqrt{s}$   $\sqrt{t}$   $\sqrt{u}$   $\sqrt{v}$   $\sqrt{w}$   $\sqrt{x}$   $\sqrt{y}$   $\sqrt{z}$ .

3.  $\sqrt{a}$ :

1.  $\sqrt{a}$   $\sqrt{b}$   $\sqrt{c}$   $\sqrt{d}$   $\sqrt{e}$   $\sqrt{f}$   $\sqrt{g}$   $\sqrt{h}$   $\sqrt{i}$   $\sqrt{j}$   $\sqrt{k}$   $\sqrt{l}$   $\sqrt{m}$   $\sqrt{n}$   $\sqrt{o}$   $\sqrt{p}$   $\sqrt{q}$   $\sqrt{r}$   $\sqrt{s}$   $\sqrt{t}$   $\sqrt{u}$   $\sqrt{v}$   $\sqrt{w}$   $\sqrt{x}$   $\sqrt{y}$   $\sqrt{z}$ .  
2.  $\sqrt{a}$   $\sqrt{b}$   $\sqrt{c}$   $\sqrt{d}$   $\sqrt{e}$   $\sqrt{f}$   $\sqrt{g}$   $\sqrt{h}$   $\sqrt{i}$   $\sqrt{j}$   $\sqrt{k}$   $\sqrt{l}$   $\sqrt{m}$   $\sqrt{n}$   $\sqrt{o}$   $\sqrt{p}$   $\sqrt{q}$   $\sqrt{r}$   $\sqrt{s}$   $\sqrt{t}$   $\sqrt{u}$   $\sqrt{v}$   $\sqrt{w}$   $\sqrt{x}$   $\sqrt{y}$   $\sqrt{z}$ .  
3.  $\sqrt{a}$   $\sqrt{b}$   $\sqrt{c}$   $\sqrt{d}$   $\sqrt{e}$   $\sqrt{f}$   $\sqrt{g}$   $\sqrt{h}$   $\sqrt{i}$   $\sqrt{j}$   $\sqrt{k}$   $\sqrt{l}$   $\sqrt{m}$   $\sqrt{n}$   $\sqrt{o}$   $\sqrt{p}$   $\sqrt{q}$   $\sqrt{r}$   $\sqrt{s}$   $\sqrt{t}$   $\sqrt{u}$   $\sqrt{v}$   $\sqrt{w}$   $\sqrt{x}$   $\sqrt{y}$   $\sqrt{z}$ .

esyl ~ mby, l;

e ~ y<sup>o</sup> / o o n o l<sup>t</sup>.

e, ae' l<sup>t</sup> / r ~,

-1 q<sup>o</sup> e D, o] p<sup>t</sup>,

~ c p<sup>o</sup> l<sup>t</sup> e<sup>t</sup>.

wp:

/ o<sup>t</sup> / c<sup>t</sup> o<sup>t</sup> l<sup>t</sup> m<sup>t</sup>?

ly lo:

ac o, c ~, l<sup>t</sup> o<sup>t</sup> 2.

~ z o l<sup>t</sup> o<sup>t</sup> o<sup>t</sup> ~,

o, z n l<sup>t</sup> he r p<sup>t</sup>;



63 ~ R f. b - L f. p,  
e. l. ~ o o' r e g t.

WP:

'zr! 'd ~ o ~ r e n!  
D e o r e, e ~ r  
r / o ~ z e. r e n!

Wf. Co:

L o t! e l. ~ n t.  
c ~ m t f ~ r e g,  
d e / z ~ r ~ f l. h,  
f e k e D r ~ n z f.

wp:

Dr! ad r la,  
be, l. N s r d ~ h!  
- d r ~ z p ~ h o.  
- d ~ e ~ p ~ o e n  
- h e c u - h e c u  
- e M o l y .

uf lo:

~ , ~ , - d - r i - p u ,  
c , N p h T  
S o o ~ d o r .  
1 2 ~ N , 2 2 ~ o r

Do 162 ~ ~!

WR:

— — — — — !

df Co. (l)

~ ~ ~ ~ ~ !

~ ~ ~ ~ ~ .

~ ~ ~

~ ~ ~ ~ ~ ?

WR:

~ ~ ~ ~ ~

2/3 Co: (L)

1/2, 2/3, 3/4, 4/5, 5/6, 6/7, 7/8, 8/9, 9/10

1

1/2, 1/3, 1/4, 1/5, 1/6, 1/7, 1/8, 1/9, 1/10

2/3:

1/2!

2/3:

1/2, 1/3, 1/4, 1/5, 1/6, 1/7, 1/8, 1/9, 1/10

1/2, 1/3, 1/4, 1/5, 1/6, 1/7, 1/8, 1/9, 1/10

1/2, 1/3, 1/4, 1/5, 1/6, 1/7, 1/8, 1/9, 1/10

1/2, 1/3, 1/4, 1/5, 1/6, 1/7, 1/8, 1/9, 1/10

$v_1 \sim D \wedge R C$   $u_1 u_2 \sim v_1$

*uf*  $u_1$ :

$u_1, u_2, u_3, u_4, u_5, u_6$

$u_1, u_2, u_3, u_4, u_5, u_6$

$u_1, u_2, u_3, u_4, u_5, u_6$

$u_1, u_2, u_3, u_4, u_5, u_6$

$u_1, u_2, u_3$

*wp*:

$u_1, u_2, u_3$

alg. Geo.:

- x, Lf: Des?

~ Lf. m! f p b,

L. o. e. z. l. x. b.

wpw:

f z m p s a.

alg. Geo.:

~ z m p s a.

wpw:

e z m p s a.

—  $r_1' r_2 r_3 r_4$ .

# STRASSE

U. d. f. lo.

U:

o p? → l en? → u e n??

u. d. f. lo.

o k! l e, / z l z?

z r r f. W h — z.

z r r e' r b l d i r r o z:

e ~ c o o o

f r e' — p r c o!



Q:

— √!

df Co:

∂' D Co S T W.

Q:

~ ed. c. o. h. w.

df Co:

1. m ~ v f w o r,

e r o r r ~ q u t z h

z C e s s ~ z i n g z ~

Q:

o n y ! r c h , v o r h v o !

Uf Co:

o n y ! r c h , v o r h v o !

y h , - r h v o .

Q:

c , i v o , - . c h v o .

Uf Co:

- 2 h v o ! e s c h v o !

- e h v o - r h v o ,

e r l g j w o y d ?

o r l z i , d - c o ) e u c d ,

l z g u , c o ) p z ~ n l - z y d ,

e b t ~ / z z o n l p u ?

z l l g u , m l f ?

- - l r l n o i n n ,

o r e s , r v - l e p u ,

T o l z u g o l e p b !

l f :

e b - l d ~ m , ~ o b .

2/3 Leo:

h, c r o l ~ b h d .

e r m', z e m,

e r h l u m

- e o r t r z m?

6:

- j r s z p.

2/3 Leo:

z - j m!

e' s o m l s - k,

s p s o l m k m

'eD - Szyn 22?

6:

oe! - ! m c, g e,

le b, le p

D n d, n b e,

e p, d r e n g l,

D e r b e c v l,

- 9 2, S, l, h,

p, d, d m,

'e ~ L g p g?

2/3 Co.

120 1/2!

4:

2-! 200 9m

1/4 1/2, - 2 2 2 2 m:

1/2 1/2 1/2 - - 1/2 - 1/2

1/2 1/2.

- 2, 1/2 2 2 2 2,

1/2 1/2 1/2, 1/2 1/2 1/2.

# GARTEN

wurde ~ l'ere,  
wurde ~ l'ere - 1 g've.

wurde:

1) b, c, e, p, r, z, z, z,

2) b, p, y, z.

~ w, e, f, z,

~ w, l, y, z;

1) c, o, y, e, l, i, n, z

~ w, p, l, h, z.

Q:

~ u s e r , ~ c d r b l

o e c g r d.

~ b r x e.

www:

m e d / ! o ~ / r b ~ v o ?

b : ~ v ; ~ v !

c o r , / g e o g r a v o !

i z n . z / r s .

v z ~ s .



WP:

- 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

df. 10:

De, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z

2. 3. 4. 5. 6. 7. 8. 9. 10.

- 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

WP:

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

- 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

- 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

20200202

20200202

20200202

20200202

20200202

20200202

20200202

20200202

20200202

in  $\mathbb{R}^2$   $e_1, e_2$

$b^2$   $\gamma^2, \alpha, \nu$ .

Q:

$\gamma^2, \alpha, \nu \rightarrow \gamma^2, \alpha, \nu$   
 $\gamma^2 \rightarrow \gamma^2$

WMT:

Q!

Q:

$D, e_1, e_2, e_3$

$\gamma^2$ -matrix!

every, is to m

the other m

WMT:

entirely with,

if m is 2.

Q:

1<sup>l</sup> c. f. m?

WMT:

h, i of. m,

-d-b-o-o.

12 ~ 20; 20 ~ 2, 2, 2, 2

- 2 - 2 - 2 - 2

- 2 2 2 2

- 2 2

1 2 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10

1 2 3 4 5 6 7 8 9 10

2 3 4 5 6 7 8 9 10

~ 2 2 - 2 2 - 2 2 - 2 2

2 2 2 2 - 2 2 2 2

2 2 2 2

2 2 2 2

1 2 2 2 2 2 2 2 2 2

2 2 2 2 2 2 2 2 2 2

— have nē.

6:

— n, ceo p.

www:

1/1-5, -2/1-1-1.

- a D r o h o l e p u.

1/2 n r e n,

— r e o b e r o n,

- b e t j o n e, n - n.

e n t o n l e n,

e n o r b j h n,

- y r b o y e n ,  
z v d - c o , - c e z  
s z z n , z z z o  
c o l e , p l , c e l o .

6:

e p p e n t z r g e i

WMT:

e p p e n t z r g e i  
o n n d r g e j l  
z z z u ; - o l l n ) n ,  
a , d ;

weiblich, weislich

weiblich, weislich

- weislich - weislich,

- weislich - weislich;

weislich - weislich,

- weislich - weislich.

weislich, weislich, weislich;

weislich, weislich, weislich.

weislich.

weislich:

weislich weislich weislich:



~ 22 f. 20 / 100.

22 f. 20:

~ 22 f. 20 / 100,  
22 f. 20 / 100.

22 f. 20:

22 f. 20 / 100,  
22 f. 20 / 100.

22 f. 20:

22 f. 20 / 100,  
~ 22 f. 20 / 100 - 22 f. 20.



wp:

D, r g v P!

df lo:

e h v z f e!

e, r p m e r o v e

v2 ~ 4.

6:

e m b v, r, m, r, e,

v o i z ~ w r e!



$\gamma \sim \lambda \rightarrow \gamma \sim \lambda,$

2.  $\gamma \sim \lambda \rightarrow \gamma \sim \lambda.$

$\rho \sim \lambda, \rho \sim \lambda, \rho \sim \lambda$

$\gamma \sim \lambda \rightarrow \gamma \sim \lambda;$

$\rho \sim \lambda, \rho \sim \lambda, \rho \sim \lambda,$

$\rho \sim \lambda, \rho \sim \lambda.$

$\rho:$

$\rho \sim \lambda!$

$\rho:$

$\rho \sim \lambda!$

$\rho \sim \lambda \rightarrow \rho \sim \lambda, \rho \sim \lambda, \rho \sim \lambda.$

Q:

$\cos^2 \theta \sim f_0^2$

WWT:

$\sim, \overset{\circ}{\leftarrow} \sim f.$

Q:

$\sigma^2$

WWT:

$\nu! \sim \nu \rho_e$

$\nu \sigma - \nu \rho_e$

Q:

covered by?

WMS: (2 sep)

\ N P m N P /

Q:

by 2 do they!

WMS: (L/P)

N P m / m N P m / m

e f u o b o 2 2 e L e.

\ N P /

Q:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

13, 14, 15, 16, 17, 18, 19, 20

21, 22, 23, 24, 25, 26, 27, 28

29, 30, 31, 32, 33, 34, 35, 36

W:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Q:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

13, 14, 15, 16, 17, 18, 19, 20

21, 22, 23, 24, 25, 26, 27, 28



Japan -  
16, 18, 20!  
18, 19, 20, 21  
22, 23, 24, 25

was a (1, 2, 3) - 100  
1 - 2, 3, 4, 5, 6, 7, 8, 9

was: (1, 2)

1, 2, 3

was:

1, 2, 3

WP:

1.  $\sim \text{re} / \text{gl} / \text{h}$ ,

2.  $\sim \text{re} / \text{gl} / \text{h}$ .

3.  $\sim \text{re} / \text{gl} / \text{h}$

4.  $\sim \text{re} / \text{gl} / \text{h}$ ,

5.  $\sim \text{re} / \text{gl} / \text{h}$ ,

6.  $\sim \text{re} / \text{gl} / \text{h}$ ,  $\sim \text{re} / \text{gl} / \text{h}$ .

7.  $\sim \text{re} / \text{gl} / \text{h}$ ?

WP:

1.  $\sim \text{re} / \text{gl} / \text{h}$ .

2.  $\sim \text{re} / \text{gl} / \text{h}$ !

wp:

\z\p

df co:

-b R D. e. l. d.

# EIN GARTENHÄUSCHEN

wurde f 2, f 1) 2, 1, 1,  
2, 1, 1, 1, 1, 1 - 2, 1, 1, 1.

wurde:

1, 1, 1!

1: (1, 1)

1, 1, 1, 1 - 1, 1, 1!

1, 1!

1, 1, 1.

www: (n l b<sup>c</sup> - ~ no pvc)

u r! S z p t, d!

u f l o n t n.

u: (pvc)

u e!

u f l o:

u l e!

u:

~ u!

df Co:

- c f / j z e.

wp: (nd)

h, - j p, z m.

q:

er, / j / z ?

wm:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10!

Q:

2012 22?

NC!

WD:

e!

WWT:

5 6 7 8 9!

Q - 22 20 1.

WMT:

g, h, v, !, co, ~, ~, ~

/, ., , e, l, m, n, r!

y, d, ~, p, ~, ~, ~, ~

- a, j, ~, ~, ~, ~, ~

v, d, ~, ~, ~, ~, ~, ~

h, l, , co, ~, ~, ~, ~, ~

h.



# WALD UND HÖHLE

4.

sin z b, e w v, w v so,

er u. e v / w d

e n p l l z p o r.

w v, z n n j n d,

ll, b j b, j p o. /

w f r e w d e t,

z b v, z n d l l

o z b o s l e j z i

e b, z n o n

w u - l p z l e

R g u y, z all - com.  
 - c' g r R cell - m, V,  
 , all g r D u t  
 - D u g E y e of l  
 - m l e g z ' r e n t,  
 e n t e r / b u z , f d  
 p e r v b, - r m l l  
 p r d c e h u ).  
 - g t r v i n r e  
 w o l l r e x, g u v  
 S l o w e r, e l l h y  
 \ c / t u p f s  
 - r e n ' M y f u b.



alg. Co.

$\sigma \sim \omega \omega \omega \omega \omega \omega \omega \omega$

$\sigma \sim \omega \omega \omega \omega \omega \omega \omega \omega$

$\sigma \sim \omega \omega \omega \omega \omega \omega \omega \omega$

$\sigma \sim \omega \omega \omega \omega \omega \omega \omega \omega$

6:

$\sigma \sim \omega \omega \omega \omega \omega \omega \omega \omega$

$\sigma \sim \omega \omega \omega \omega \omega \omega \omega \omega$

alg. Co.

$\sigma \sim \omega \omega \omega \omega \omega \omega \omega \omega$

$\sigma \sim \omega \omega \omega \omega \omega \omega \omega \omega$

~  $\sigma^{\mu\nu}, \rho_{ab}, \omega^{\mu\nu} - L_{ab}$ ,

•  $\omega_{ab} \omega^{\mu\nu}$

~  $\omega^{\mu\nu} \omega_{\mu\nu}, \omega^{\mu\nu} \omega_{\nu\mu}$ !

$\omega_{ab} \omega^{\mu\nu} - \omega_{\nu\mu} \omega^{\mu\nu}$ ;

$\omega^{\mu\nu} \omega_{\mu\nu} \sim \omega^{\mu\nu} \omega_{\nu\mu}$ .

Ⓛ:

$e \sim \omega^{\mu\nu} \omega_{\mu\nu}$ !

$\sim \text{Det}, e, \text{P.H.}$

~~Ⓛ~~ Ⓛ:

$\sigma^{\mu\nu}, \omega_{\mu\nu}$

$e \rightarrow \text{P.H.}$ !

Intermittent

epidemiological;

- curable, - contagious

for the rest.

contagious, curable

epidemiological?

contagious - curable

epidemiological?

contagious, curable!

epidemiological.

6:

epidemiological

v or oe i' e pl?

h, <sup>st</sup> e, ~ ~ ~,

e c b l l' z, ~ v v / j z ~.

ul' lo.

~ s' p' o ~ ~.

z ~ l - 4 s ~ p' h' h'

- r e - s' c ~ h' z l' o,

j ~ z' h' ) g' u' o,

' r e m i ~ z' g' e' e' o,

e o o m e n p' h' o b,

z f f ~ l' c o / c o p' o,

l e h' c ~ h' z e o s' h' o,

gerney' row;

-er, 22 2/3 m

2 - pe.

1 er / on, 0 m / 20.

6:

Er & P!

2/3 60:

e - / on;

1 2 e 2, p 4 Er / on.

2 er / on, 2 m,

con 2 p / on.



-  $\sim \gamma - 2, 12 \sim \rho e \sim \rho;$

$\rho \sim \rho) \kappa o \sim \rho;$

$\partial \sim 2 \sim e \sim e.$

$e \sim \rho \sim \rho \sim \rho$

-  $\sim \rho \sim \rho \sim \rho$

$2 \sim \rho \sim \rho \sim \rho.$

$\rho \sim \rho \sim \rho \sim \rho,$

-  $\sim \rho \sim \rho \sim \rho.$

$e \sim \rho \sim \rho \sim \rho^2 \sim \rho,$

$\rho \sim \rho \sim \rho \sim \rho.$

$\rho \sim \rho \sim \rho \sim \rho \sim \rho,$

$\rho \sim \rho \sim \rho \sim \rho \sim \rho \sim \rho;$

$e \sim \rho \sim \rho \sim \rho \sim \rho,$

ни еде ео.  
Род, гз еу / Лу,  
р' 22 о м 2,  
е н л т 4  
б о м / е н.  
1, ф' 1 м н;  
б г н б, б, с м р  
х, д г р 2.  
»с, ~ д н с!« — и г р  
н н, з д н н.  
н: б 25, 2 б М,  
н н о г л,  
е е н, о з л,

-m d.

6:

z! z!

z! e. (l)

z! e, p l!

6:

z! z p l z,

- z l e z c!

l, m, n o z

l e, z, w o!

alg. Co.

$\cos^2 - \sin^2 \approx 2 \cos \theta \sin \theta$ ,  
 $-2 \sin \theta \cos \theta \approx -2 \sin \theta \cos \theta$ .

Q:

$1 \sin \theta \approx \theta$ ,  $\cos \theta \approx 1 - \frac{\theta^2}{2}$ ,

$1 \cos \theta \approx 1 - \frac{\theta^2}{2}$ ,  $\sin \theta \approx \theta$

$\sin^2 \theta \approx \theta^2$ ,  $\cos^2 \theta \approx 1 - \theta^2$ ,

$\sin \theta \cos \theta \approx \theta$ .

alg. Co.

$\sin^2 \theta \approx \theta^2$ ,  $\cos^2 \theta \approx 1 - \theta^2$ ,

$\sin \theta \cos \theta \approx \theta$ .

6:

SP, re!

df. Co.

z! r p, - 120 R.

21, 4 - 200 R,

mit 2 ~ 100 R,

Ob, p, r, R.

l, i ~ 20 R!

1<sup>d</sup> 2 ~ 100 R,

1 K, i ~ 100 R.

4:

$\cos \theta = \frac{z}{r}$

$\sin \theta = \frac{y}{r}$

$\tan \theta = \frac{y}{x}$

$\sec \theta = \frac{r}{x}$

$\csc \theta = \frac{r}{y}$

$\cot \theta = \frac{x}{y}$

$\sec^2 \theta = 1 + \tan^2 \theta$

$\csc^2 \theta = 1 + \cot^2 \theta$

$\sec^2 \theta = \frac{1}{\cos^2 \theta}$

$\csc^2 \theta = \frac{1}{\sin^2 \theta}$

$\cot^2 \theta = \frac{\cos^2 \theta}{\sin^2 \theta}$

$\tan^2 \theta = \frac{\sin^2 \theta}{\cos^2 \theta}$

4/17,

e, i, l, o, b

- b, j, k, n, z!

b, m, l, r, p, s, k!

e, z, u, v, o, q, h, z.

z, l, v, f, n, w, y.

c, o, r, p, u, s, p!

w, r, p, s, v, g, g

- b, z, v, s, k, z!

z, f, l, o.

c, o, e, s, l, e, z!

w, ~ - l, b, e, y, l!

c ~ ~ ~ ~ ~ m d,  
f. l. ) 2 / e r e ~ .  
- u, a ) l h 2 !  
e b d o d - p ~ p l l .  
i y z l b e , s ' d  
o ~ l b , g l l .



# GRETCHENS STUBE

W: (a gut, -)

v → 2,

z y z;

1 b e b m

- m.

c, r / 2,

• v e h,

1 z y d

• v m.

z m n l

· v w d,

z m n o

· v f f d.

z v i 2,

z z y j z,

1 b e o s u

- s u u.

D R  $\rightarrow$  z s 1

f l d 2 o,

D R  $\rightarrow$  n 1

$e^2 z_0$

$\sim z z n,$

$\sim e p,$

$\sim v_0 \rho_0,$

$\sim n p,$

$- \sim e$

$\mu_0,$

$\sim x z,$

$- D! \sim \rho!$

$\checkmark \rightarrow 2,$

$\checkmark \rightarrow 2y \cdot z,$

$\checkmark \rightarrow 6 \cdot 2$

$- \checkmark \rightarrow$

$\checkmark \rightarrow 6 \cdot 2$

$\checkmark \rightarrow 2,$

$\checkmark \rightarrow 6 \cdot 2$

$- \checkmark \rightarrow$

$- \checkmark \rightarrow$

$- \checkmark \rightarrow$

$\checkmark \rightarrow \checkmark$

*m!*



$\omega_1, \omega_2, \omega_3, \omega_4, \omega_5$

Q:

$\omega_1, \omega_2, \omega_3, \omega_4, \omega_5$

$\omega_1, \omega_2, \omega_3, \omega_4, \omega_5$

$\omega_1, \omega_2, \omega_3, \omega_4, \omega_5$

W:

$\omega_1, \omega_2, \omega_3, \omega_4, \omega_5$

Q:

$\omega_1, \omega_2$

www:

D! c, k o s e p n!

e t D/1, 2 in out.

Q:

1 ~ b.

www:

e → u.

J 20, J ✓ b e y ~ 1 p m.

26/e y ~ 2 1?



Q:

2  $\beta$ , a erlon:

1  $\alpha \sim 2 \alpha$ ?

2  $\beta$  a c o h,

-  $\alpha \alpha / \alpha \alpha \rightarrow \beta$

$\alpha \sim h / o$ .

WWT:

—  $\alpha / \beta / ?$

Q:

$\beta \rightarrow \alpha / \beta$  2  $\alpha \alpha \beta$ !

a erlon?

- a l m i:

» 1 2 r ~ ! « ?

a p e r,

- ) l e r

j o n: » 1 2 r ~ ! « ?

\ e l o,

\ e r d,

l o - e l \ /

e p, r p, ) b ?

e d ) \ e r / e e e e ?

d, r e / e \ e l b ?

- g n l e u r e

e r g n / e s ?

$z_1 / z_2 = z \cdot e^i$

$- e^{-i} / z_0$

$Dz - z \cdot e^i$

$- dz \cdot \sin p \cdot w$

$\sin \sin \sin e^i$

$\sin \sin z, - z_0 ;$

$- c_1 z_1^2 \beta \sigma \beta,$

$\sim - e, c_1 e^i,$

$\sim z! z! \beta! z!$

$z \sim \sim$

$e! \beta! e;$

$\sim z \cdot e^{-i},$

$\sim \sim \sim z_0 z_1$

WMT:

e: 00 1/2 - 2;  
g h d e' b n D,  
→ 2 ~ b e c v.

U:

- o n e v  
e 2 p l 2 r d n,  
l o 2 o p;  
c n / 1 2 2 ~ ?

WMT:

c 2 o - 2 v, 2 b e g n,

grandmother  
wonder.

Q:

to see!

WWT:

-4v ~ 70,  
e1 p2 ~ 100.

Q:

a—?

www:

~ 2g, ~ 4 e, ~ 1 e 2,

• v = 2h n i o s b;

- 2 v = 2 v u

— 1 ~ p 10 2 y p u

o° 2 g u e p f.

6:

• G, W ~ 1!

www:

o m a l u d v e u.

1 v o d e n 2 g u 2;

к с, в о, р, л, ж,  
з, ш, з, ж, з, ж,  
- з, л, л, ж, ж,  
з, ж, в, с, л, л, ж!

ф:

- з, л, л, ж, ж.

шш:

- ж, л, л, ж, ж!

ш, л, л, ж, ж,

ш, л, л, ж, ж

- з, л, л;

$w, e, \sim / \sim \sim \sim \sim \sim$ ;

-  $g / R \sim i / g / \sim$ ;

$e, / \sim \sim \sim \sim$ .

$v^d \sim \sim \sim \sim$ ,

$\sim \sim, \sim \sim \sim \sim$ ,

$\sim \sim \sim \sim \sim \sim \sim$ .

$q:$

$g \sim \sim \sim \sim g!$

$w, w:$

$e \sim \sim \sim \sim \sim$ ,

$e, \sim \sim \sim \sim \sim$ ,



$z_1 \sim z_1 \sqrt{p/v}$

$D, c, e_i; \sqrt{1} \sim \mu \mu_i$

- e b v r o z y z i;

$e; z \sqrt{p}, z_0 - D - \sigma$

6:

$e z \sim \sqrt{p}$

WMT:

$z_0 \sim p$

6:

$D \sim \mu$

~ gch seren  
- 4 ~ 4 - o 2 o 2 ~ ?

www:

DC1 ~ gch!  
1 p o m 2, 2 ~ 2 h;  
2 2 2 2 2 2,  
- 2 1 5 1 2 h,  
1 2 2 2 2 2 2!

4:

g h, e o ~ ~ .  
x ~ gch!

e l h t z m h r p e n  
z h z l f e r , n h .

www:

c o s 1 / 2 e n t e r ?  
- f r z h l / z e n !

U:

s' , o d , p h , e r - m e ?

www:

s 1 p , b r , t n ,  
c o l , c o p D e r - e n l d ,

127 T. l. d. p.,  
ev. j. l. b. i. r. s. u. d.  
r.

25. 10. 11. 5.

25. 10.

2. 10. 1. 11. 5.

25.

25. 10. 11. 5.

Ug. Co.

120 dr. c. u. n. n.

21 e<sup>2</sup> e n d o<sup>1</sup>;

21, - i n c. u. n. n.

120<sup>2</sup> d o n o<sup>1</sup>,

1 - 12 - 12 - 12<sup>2</sup> 12<sup>2</sup> 12<sup>2</sup>.

6 e n i: e<sup>1</sup> / e<sup>1</sup>, e<sup>1</sup> / 12 n d.

U:

12 12 12 12,

12 12 12 12

12 12 12,

12 12

$\wedge \sigma \nu \rho \epsilon; ) 2 \sigma \epsilon,$   
 $e b \sim \rho \nu \nu \nu 2 \sigma \circ.$

*uf*  $\epsilon \circ:$

$e \nu \rho \nu \rho \nu \nu,$   
 $\sim \nu \nu \nu \nu \rho \nu.$

$\epsilon:$

$e \nu \rho \nu / \nu \nu - \nu \nu!$

*uf*  $\epsilon \circ:$

$- , \rho \nu \nu \nu \nu \nu \nu:$   
 $\nu \nu \nu \nu \nu \nu \nu \nu, \nu \nu \nu \nu \nu \nu,$

220h ecot u n b;

6b, e, 2y b ~ p,

I c. n' l v.

~ 2 ~ n m?

6:

con b ~?

2y l o:

2, 2 ~ l e n!

# AM BRUNNEN

W-L-S-V.

S:

29. 11. 1902

W:

29. 11. 1902

S:

29. 11. 1902

29. 11. 1902



e·e ~ rL!

W:

a—?

D:

-gud!

6 bly, comb-hud.

W:

D!

Dr.

— 9 r r e l m.

a r r o b ~ 2 n . p r !

e a ~ p r ;

r e r l - u p l b ;

r b s . i . s o ;

r ~ r b r r r r r r - a ;

u d ) c o s r r z ) ~ ;

a d - r o , ) / j z r ;

p r r r r r r r .

a ~ r o - ~ p r i

e i e r e w l h o r !

Wh:

e n e n!

Sh:

u s / b n!

c t o n g u a,

t n b, n / 2 s o,

g e b l n l o p,

s i m m - k e n n

a e m n g e j n.

e n b e ) e n n,

n b e n e h n h o l!

Wh:

~ 2/6 p p / o h.

Sh:

~ c ~ n! ~ b ~ h

o x a i j p r

~ D P.

Wh:

e / z ~!

Sh:

~ 2/6 r, <sup>oo</sup> ^ k r i,

emp.  $\sqrt{0,42}$ ,

-2 in für  $\sim 1,1$ !

1.

Wh: (2, 2, 2)

ord 10 - der zu,

ord 1 - vor der bei!

ord 1 & 2 bei

1 ord 2 bei!

ord 2, 2, 2 - 2, 2, 2,

ord 2 / 2, 2, 2,

- ord 2 - 1 - 2,

- ord 2 bei!

$\sin \alpha, \cos \alpha, \tan \alpha,$

$\cot \alpha, \sec \alpha, \csc \alpha$

# ZWINGER

z' z' z' ~ Abw' ~ me ~ o, ~ w ~ r  
a.

W g / B w z i r.

D ~ r,

e z y r,

e d r o r ~ r !

e z / r z y,

z l o z y

w b s j e o o ~ e.

Handwritten text:  
Handwritten symbols and characters, possibly representing a sequence or a specific notation.

Handwritten symbol:  $a b_1$

Handwritten symbol:  $o o$

Handwritten symbol:  $\backslash z y v R p ?$

Handwritten symbol:  $co z no z y x u$

Handwritten symbol:  $co - p w, co u$

Handwritten symbol:  $c b \rightarrow e, \rightarrow e \sim !$

Handwritten symbol:  $c_2, R p$

Handwritten symbol:  $o o, o o, o o$



1 v R L o x!

1 v, D! n e n,

1 C, 1 C, 1 C,

e z y p l z v.

1 z h e r l d

u y 1 2 L e n, D!

o 1 n R z z n

e r q l e n D.

z 2 z z n

1 o ~ p x,

o 1 z n h

222475.

22! 22252 - 22!

222,

2222,

22222222!

# NACHT

fo - W. v.

*Lern* - er, W. v.

c<sub>1</sub> - o v r p,

c<sub>2</sub> - u h ) w v,

- , p u v ~ l

' - v h , f o ,

2 - r z o e r g l,

~ - u t z g l,

o<sub>1</sub> - z z b u v,

2 - v . <sup>2</sup> z e m j

- f 2. Der ~ W

- Re ~ 20/20

- a: » 20 20 20 20!

ni ~ 20 20 20,

12 ~ 20 20 20,

12 ~ 20 20 20 20!

20! 20! 20! 20! 20! 20!

1 ~ 20: » 20 20,

6: 20 20 20 20!

20 20 ~ 20 20 20

- 20! 20 20 20) 20 20

- 20 ~ 20 20 20! 20

2 20 20, 20 20

°ter z n r P y p p!

°o ~ u o z e n o p

u ter f e e d h y p p!

- 2 1, 6 g g o

u 1, 6 o / m 2 o.

o o n d 2? c o z / a?

1, 1, - 2 m y.

°, 2 / h 1 n u l e

° / u o p s ' f u!

U. d. f. Co.

6:

o s' l' e' t' o' f  
s' e' z' i' n' d' o' l' e' w  
- p' - p' o' w' e' w,  
- b' e' w' e' r' e!  
- s' e' r' e' w' o' .

u' f' l' o' :

- v' b' o' r' y' z' o' ,  
e' n' l' e' s' z' i' ,  
j' o' e' r' i' z' e' f' ;  
v' b' y' r' e' a' ,  
~ b' e' p' , ~ b' e' .

— f/v p e sh  
in. ch. n. l.  
in. v. n. e,  
e. c. o. n. d., c. r. d.

6:

v. c. y. z. i. s,  
~ e. v. l. b. n. o. s?

2/3 lo.

e. n. l. e. l. e. n. t.,  
e. n. o. t. h. z. p. n.  
1. 2. ~ 1. — 2.,

<sup>2</sup> *Handwritten signature*

*Q:*

*1 - p e, 1 - v,*

*2 - k e, 2 - j p*

*Q:*

*1 - a c - v,*

*2 - s k e p.*

*Q:*

*1 - v! v k - c,*

*c 1 - p v j ^ v.*



25/10:

1.  $\int \sin x dx$ ,

2.  $\int \cos x dx$ .

3.  $\int e^x dx$  and  $\int \frac{1}{x} dx$ ,

4.  $\int \ln x dx$  and  $\int \frac{1}{x^2} dx$ .

5.  $\int \frac{1}{x^2} dx$  and  $\int \frac{1}{x^3} dx$ ,

6.  $\int \frac{1}{x^4} dx$  and  $\int \frac{1}{x^5} dx$ .

7.  $\int \frac{1}{x^6} dx$ .

8.  $\int \frac{1}{x^7} dx$

9.  $\int \frac{1}{x^8} dx$ ,

10.  $\int \frac{1}{x^9} dx$ ,

11.  $\int \frac{1}{x^{10}} dx$ .

o, o, o!

\ b b ~

o r e h ~,

o r e h / p.

~ / ~ = R!

· - ~ R,

e r ~ R'

^ ~ ~, ~ ~ ~!

o ^ ~ ~,

4 ~ ~ e

→ ~ ~

o r ^ ~ ~ ~.

Len: (V)

ambeg? v m!

re v m!

14. 10. 1911!

14. 10. 1911!

14. 10.

14. 10. 1911!

Len:

~ / ~ ~ 1911!

2/3 Leo: (y l)

2/e, /p/! /j/!

2/ ~ 2/2, 0, 1 ~ 2/.

202 ~ 2/2/2/!

~ 2/2/2/! ~ 2/.

Leo:

2/ ~ 2/!

2/3 Leo:

2/2/2/!

Len:

$D \sim!$

df. Co:

$\rho \rho!$

Len:

$120 \sim \ll \rho \rho!$

co. en. el. g', xcv n.

df. Co: (y l)

$f \circ j!$

Len: (L)

— 0!

df. Co.

~ · R p!

~ n! r v s / gen

en g n ~ r v f.

~ c o p h i c t,

o r r e n g f v p l e n.

wp: (n l d)

2o! 2o!

Wz: (a b d)

$x \sim \beta!$

Wz: (o ~ u)

$u j - \beta, u j - \beta.$

Ln:

$e \beta j \sim \beta!$

Wz: (2o/wc)

$1, 2e, ^2 6e \beta?$

Wh: (20/10)

ca 1/2?

Ln:

e 2/3

Wh:

... 1/2 ...

Ln:

1/2 ...

- 1/2 ...

co 1/2 ...



~ 10 - 20 10!

~ 10 20:

~ 10, 10! 10 20,

10 20 / 10 20,

10 20 10.

10 20 10 20:

10 20 10 20 / 20,

— 10 20!

10:

~ 10! 20! 10 20!

Len:

o i n n e<sup>2</sup> go!

fi e ~ fi

- o - n<sup>2</sup> n, -<sup>d</sup> n.

e b d ? n n ~

u n n ~ n n,

- c d h ~ eye,

- o d n, n y g d.

c h, y e' p n,

' b n / c p n,

- n p ~ z u' n

^ s n l - m;

4, 2, 2, 6, 2, 2, 2, 2.

Обон-н) 20,

2, 2, 6, 2, 2, 2, 2, 2

- 2/2, 2, 2, 2.

2, 2, 2, 2, 2,

2, 2, 2, 2, 2, 2.

1, 2, 2, 2, 2, 2,

2, 2, 2, 2, 2,

2, 2, 2, 2, 2, 2,

2, 2, 2, 2, 2, 2, 2.

2, 2, 2, 2, 2, 2,

2, 2, 2, 2, 2!

o ~ z e i n u k !  
z i n t / u r a n g !  
z i g u n g s t r a  
p / u n g e n !  
z i b t h u n  
l u - d e p u n ,  
- c o e n d r y ,  
s r o r e !

W.D.:

u ~ o r z i / n e !  
— / r . d . s . n e ?

Len:

1, 0, ~ ~ 0, 1,

0, 1, 0, 1, 0, 1,

0, 1, 0, 1, 0, 1,

0, 1, 0, 1, 0, 1.

W:

0, 1, 0, 1, 0, 1,

Len:

1, 0, 0, 1, 0, 1,

0, 1, 0, 1, 0, 1,

0, 1, 0, 1, 0, 1.

121 ~ Leofl

121 ~ so-el-11-11.

gd.

# DOM

$n, n-p$

Wh L R L o v o 2 b 2 Wh.

o 2 b:

o 2, Wh, a e;

o 2 b 2 b

o 2 b 2 b

o 2 b 2 b

o 2 b,

o 2 b,

2021 R 29!

W!

c g e n t!

2 e r z y

c t v o n!

u e l e r z o s,

p o / n, n c 2 9 9!

s e r z e c o u!

m - l e r z y

h j / e w e z

- n d e p - )

2 9 9 n n c!



W:

cs! cs!

↖ ↗ ↘ ↙ ↚ ↛ ↜ ↝ ↞ ↠ ↡ ↢ ↣ ↤ ↥ ↦ ↧ ↨ ↩ ↪ ↫ ↬ ↭ ↮ ↯ ↰ ↱ ↲ ↳ ↴ ↵ ↶ ↷ ↸ ↹ ↺ ↻ ↼ ↽ ↾ ↿ ↺ ↻ ↼ ↽ ↾ ↿ ↺ ↻ ↼ ↽ ↾ ↿

1 2 3 - 2 3 2

E 2!

2:

Dies irae, dies illa

Solvat saeculum in favilla.

W.

Wort:

n. l. b. d!

, Cou L!

, In un!

- en zy,

o pus

/ l. r. l. e. n

E ggl.,

W s!

W:

W, r. o. r!

v, o. l. i. v. v

~ n o f ,

p r z y

p r t t .

2:

Judex ergo cum sedebit,

Quidquid latet adparebit,

Nil inultum remanebit.

Wh:

v' — r!

1200

1200!

e f d

en v! m d!

u o 2 b:

un d! c - ge

u / u m.

d! d!

o o!

2:

Quid sum miser tunc dicturus?

Quem patronum rogaturus?

Cum vix justus sit securus.

1026:

1 1/2 000

1 1/2 1000

1 1/2 1000

1 1/2 ~ 1000

10!

2:

Quid sum miser tunc dicturus?

2:

1 1/2 1000

1 1/2 1000



# WALPURGISNACHT

27. 11. 1871

1871

1871

1871

1871

1871

1871

1871

$\sqrt{v} \approx \sqrt{m} \sqrt{g}$   
 $\cos \theta, e \approx \sqrt{m} \sqrt{g}!$   
 $\rho \approx \sqrt{m} \sqrt{g}!$   
 $e \approx \sqrt{m} \sqrt{g}!$   
 $f^2 \approx \sqrt{m} \sqrt{g}!$   
 $e, f, g \approx \sqrt{m} \sqrt{g}!$   
 $\sqrt{m} \sqrt{g} \approx \sqrt{m} \sqrt{g}!$   
 $-b, \theta \approx \sqrt{m} \sqrt{g}!$   
 $d, \sqrt{m} \sqrt{g} \approx \sqrt{m} \sqrt{g}!$

$\sqrt{m} \sqrt{g}$

$\sqrt{m} \sqrt{g} \approx \sqrt{m} \sqrt{g}!$   
 $\sqrt{m} \sqrt{g} \approx \sqrt{m} \sqrt{g}!$



1. auf 2-6522 u.

0.187, 0.187

0.187, 0.187

- 1.187, 0.187

0.187, 0.187

0.187, 0.187

0.187, 0.187

0.187, 0.187

0.187, 0.187

0.187, 0.187

0.187

0.187, 0.187

2.  $\text{No} \rightarrow \text{No} \rightarrow \text{No}$ ;  
 $\rightarrow \text{No} \rightarrow \text{No} \rightarrow \text{No}$ .

2.  $\text{No}$ :

1.  $\text{No}$ ,  $\text{No}$ ,  $\text{No}$  ~  $\text{No}$   $\text{No}$   $\text{No}$ .  
2.  $\text{No}$ ,  $\text{No}$ ,  $\text{No}$   $\text{No}$   $\text{No}$ !  
3.  $\text{No}$ ,  $\text{No}$ ,  $\text{No}$   $\text{No}$   $\text{No}$ .

2.  $\text{No}$ :

1.  $\text{No}$ ,  $\text{No}$ ,  $\text{No}$   $\text{No}$   $\text{No}$ ,  
--  $\text{No}$   $\text{No}$   $\text{No}$   $\text{No}$ .  
2.  $\text{No}$ !  $\text{No}$   $\text{No}$   $\text{No}$   $\text{No}$ .  
--  $\text{No}$   $\text{No}$   $\text{No}$   $\text{No}$ .

— 2610 — 15/12/20.

6, 26/10, 10/11: (10/10/10)

2, 1/2 - 10/10

2, 1/2, 1, 10/10

6, 1/2 - 10/10

er 10/10/10

2, 1/2, 1, 10/10!

0, 1/2, 2, 10/10

0, 6, 10/10/10,

- 1, 10/10, 10/10,

- 1, 10/10/10,

0, 6, 10/10, 0, 6, 10/10!

$P, f, P \sim \omega$

$\rightarrow 10 - 12 \tau$

$2 \rightarrow 1 y_i^? 2 \rightarrow 1 h^?$

$2 \rightarrow 1 2 e \text{ } \tau \text{ } \tau,$

$f \text{ } h \text{ } \tau \text{ } \tau?$

$co \text{ } 2 \text{ } h, \text{ } co \text{ } 1 \text{ } h!$

$- e \text{ } \tau, \text{ } o, \text{ } \tau$

$\rightarrow f, \text{ } 2 \text{ } 1 \text{ } E.$

$\gg \tau! \tau! \ll \tau - \tau, \text{ } \tau,$

$\tau - \tau - \tau,$

$\tau \text{ } \tau \text{ } \tau \text{ } \tau?$

$\tau \text{ } \tau \text{ } \tau \text{ } \tau \text{ } \tau?$

~ u, or v!  
- , a f u, o, j u,  
o r ) o l o - o e,  
f u c e r u e,  
j / j u, j / l u;  
o u t e r u o n  
f u b l u o n  
D<sup>2</sup> o e. - 1, 2 o  
u e h u, j u e o,  
p e r o - p, 2 e!  
- , l u o r l u  
2 p t j u p u  
j o v e r, / .

uov, rfg  
u rrc n?  
oo, oo z / n,  
lo-ur, ph  
zr, -, n. h,  
i) m, i) u.

df lo.

lo m r j!  
x - ~ v  
c r l f o,  
o r w` v ~ v.

Q:

$\sigma \cdot \rho$   $\sigma \cdot \rho$ ,  $\rho$

~  $\sigma \cdot \rho$   $\sigma \cdot \rho$ !

-  $\sigma \cdot \rho$ ,  $\rho$

$\sigma \cdot \rho$   $\sigma \cdot \rho$ .

$\sigma \cdot \rho$  ~  $\sigma \cdot \rho$ ,  $\rho$

$\sigma \cdot \rho$   $\sigma \cdot \rho$  -  $\rho$

$\sigma \cdot \rho$   $\sigma \cdot \rho$  ~  $\rho$

$\sigma \cdot \rho$   $\sigma \cdot \rho$  ~  $\rho$ .

$\sigma \cdot \rho$  -  $\rho$

$\sigma \cdot \rho$   $\sigma \cdot \rho$ ,

-  $\sigma \cdot \rho$  ~

$\sigma \cdot \rho$   $\sigma \cdot \rho$ .

es für huzis

o qfuzer oc.

ojs! ~ ruzs

gci), l. oc.

uf lo.

u/ r lb

u u ~ M ~ C. b?

~ r, e, p, r,

u r, u r, u r.

l:

o b, o d, p, u!





$\rho \text{ } \rho \text{ } \rho \text{ } \rho \text{ } \rho$

$\rho \text{ } \rho \text{ } \rho \text{ } \rho$

$\rho \text{ } \rho \text{ } \rho \text{ } \rho$

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$\rho \text{ } \rho \text{ } \rho \text{ } \rho$

$\rho \text{ } \rho \text{ } \rho \text{ } \rho$

2 - m of us.

- 21 - 8 f - f,

- by, B, - put - u.

g:

1. Tu - u - u,

6 ✓ s - u - z.

2:

- u - e, a - u - p!

by - u - ! - u - b!

~ u - z - u - e,

e - l - d - u - p - d.

*gr:*

ch on n d e y ?

*gr:*

si rey!

er 2 / i - no no 2,

1, 11 - 12 2!

*gr:*

1, 12 / 2 2!

co ✓ e - 2 2!

*gr:*

*Propen*

*erb  $\rightarrow$  , *cei**

*Sh, 2:*

*\ 'a \ / , 'a \ r ,*

*co'el ~ L ~ er?*

*in'pl; 'w'ng,*

*en'ce'pl; 'm'Gf.*

*Sh 6, 2er 2:*

*r'z'ho, r'p'z,*

*'c'w'z'w*

er, 21-1° 20 20,

ec 20 400 f e

re 200:

1 200 e / — p s,

2 400 f u v b, h,

3 000) D — n,

4 200 f u v b' u.

f u: (— u)

2 2, 2 2, 2 2, 2 2!

$f_{\mu} : (S \sim S)$

$123456789$

$10 \mu, -6 \mu^2, 12 \mu - 2 \mu^2$

$n D \sigma \mu_i$

$v e 2 v :$

$-2 \mu - \sigma, -6 \mu^2$

$-12 \mu^2 \mu^2 \mu$

$12 \mu^2 \mu^2$

$12 \mu^2 \mu^2$

$f_{\mu} : (S \sim S)$

$2 \mu^2 2 \mu^2$

gr: (—w)

an der o'berst?

gr: (S—S)

ndp u! ndp u!

1 g z gesell,

- n ~ v / v h

1 c m v v o h.

ve 2 v:

- h' w, h' g

m h, - h' l

a z z) / m n



$\sigma \sim \text{ein } \sigma$

2. Aufl. (5)

$\sigma \sim \text{ein } \sigma$ ;  $\sigma \sim \text{ein } \sigma$ ;

$\sigma^2, \text{ein } \sigma$ !

$\sigma^2/2 \sim \sigma$

$\sim \text{ein } \sigma$ .

2. Aufl.:

$\sigma \sim \text{ein } \sigma$

$\sim \text{ein } \sigma$

$\sim \text{ein } \sigma$

$\sim \text{ein } \sigma$ .

*ve*  $\checkmark$ :

-  $c_1 r_2 \sim \checkmark$

-  $f \sim \checkmark$

-  $e_1, 2 e \checkmark - \checkmark$

2  $\sim \checkmark$

6.  $\sigma \checkmark$

*df*  $\checkmark$ :

$e \checkmark - f \checkmark, e \checkmark - \checkmark$

$e \checkmark - \checkmark, e \checkmark - \checkmark$

$e \checkmark, f \checkmark - \checkmark - \checkmark$

$\sim \checkmark$

$\rightarrow \checkmark \sim \checkmark \sim \checkmark$





Q:

deurder, mo!

2017-2018.

el f d, v, j<sup>2</sup> co;

esro) into s. o.

df co.

el into s. nll) D.

se, 20 d t oo;

r t r R g r z o.

- d r z ll,

ez 20 d r n d r.

es o, h ll, n d - co,

- 1, 1) n s u.

l e, r u t;

1 p. n, p o. 2 o.

1 2 v c o l f u l l u!

l l p r! u r o) h p u.

n r! n r! n / p o,

1 h 2 - b p 2,

- 1, u e p o n s.

c o d e, l e? e i n n u r.

e. p - 2! e, b e r e n.

~ 2 e l l u i s

u h f, u g f, u n l, u h l, u d

~ o r v, c - c o l o r h?

Q:

- 400, 250 - 100,  
200 - 100 - 100?

U.S.:

100 - 100, 200 - 100,  
200 - 100 - 100.

~ 100 - 100,

200 - 100 - 100.

100 - 100 - 100 - 100 - 100;

200 - 100

200 - 100 - 100.

100 - 100 - 100.

~! S L x m / l x,  
10' cur, - g b' l u.

J ~ h, 1, 2 s p e n e o f:

^ S x n, c o l l ^ x n r e!

1 s d /, c 1 / s y i z l e,

S o o r p t - h r e b i

m - i t e r h / z.

2 n e:

c u r s ~ n ~ h!

u z J T l o p i

e u ^ L o u ~ h

g i m l, h r e u n.



vb:

h·v·s<sup>2</sup>·h·y·c,

1·v·h·h·h;

e·h, e·h·e·h,

e·h·h·h·h·h.

cv:

1·c·c·c·c·c

-h·h·h, c·h·h·h;

e·h·h·h·h·h·h·h

-h·h·h·h·h·h·h·h.



Leser:

120, 21/1-1

b, 20/1

swacht Druck,

-gerade.

-d. 2/2

2/2

e/2/2

2/2

med. 2, 5<sup>2</sup>/4/5

med, 2<sup>2</sup>/2/2

gerade 2/2

2, 1/2

W, ~ z, e/ ~ ve p L,  
/K 2<sup>o</sup> ~ m e f L.

df. Co.

h v e! b g v z, f.

h, h! h, h!

h b) s ~ z!

h ~ z f s.

Q:

e, v p ~ / b v!

z o, v e d ~ v!

alg. Co.

ny fe ft D mi;  
e 28 / p; - e' p m.

Q:

ci en e?

alg. Co.

M b ps!

P. e.

Q:

ci?

df Co.

es & G.

so p, R ~ m g u z u,

~ qz, 2<sup>2</sup> b p W.

so R ~ h u u u,

— b o r — u / e l u.

G:

es of f, 1, 2 2 h u i

1, 2 2 co 2 b f u i

df Co.

es ~ 2 ~ 2 ~ 2.

- 21 f ~ 2 h f, ~ 2 h f, ~ 2 h f.

6: (2' h u y e)

~ 11 ~ 2 h k

e o o, ~ 2 h,

f z z h z f e,

6 ~ f v, ~ 2 h.

12:

\ l l u u / r o,

- 2 f C r e o.

S L e b, v P u t,

e D z w 2 h.

2/3 Co. (2-5)

111 ~ 112

1001 ~ 1002

1 ~ 100

— 20, a, b, v, d.

1-2:

1 11 ~ 112

2 11 ~ 112

2 1 ~ 112

c, e, l, o, s, z.



Luhsab:

Mo Lu! co fgr r r?

or r r / co:

~ r bgr r r r r?

~ r r r r, r r r r r!

1 r r: (Lyc)

co r r r r r?

l: (Lyc)

r r r r r.

co r r r r, r r r r.

r r r r r r r r,



-  $\sqrt{e}; e \cdot \partial \rho \sqrt{!}$

1/2:

-  $2 \sqrt{\partial s, \tau \alpha} / \sqrt{!}$

Luksab:

100  $\rightarrow$  200  $\sim$  10  $\beta$ :

$\sim$  200  $\rho_0$   $e_{1/}$ ;

200  $\sim$  100  $\rho_0$ :

- 1/2.

2, 0, 1, -v/p, m;

0 - v/p, m, 2

-2, 2, -v/p, m

1, 2, -v/p, m.

2, 2, 0.

1, 2, 2, -v/p, m,

e, 1, 2, 0, -v/p, m,

-0, 2, 2, -v/p, m,

1, 2, 2, -v/p, m.

1, 2, 2, -v/p, m.

0, 0, 2, 2, -v/p, m,

0, 2, 2, -v/p, m.

Q:

D! 2 R p f

~ \to 2 \Delta \wedge e^2 v e.

df Co:

e \cdot c o \sqrt{b! e \sim \Delta / r\_s}

r\_s, z o c \partial / \Delta

c h e D\_2 \sim \text{glyc?}

Q:

e o 1 m

df Co.

Co?

U:

df, b e e ✓

~ 60, 2000 e - l u p r ?

b z / ) r a t s ✓,

b z / 2 p o n b o / r.

120 l u r, e v e b

e b <sup>2</sup> u w z ✓.

df Co.

o e t f ! a <sup>d</sup> n e c.

i ~  $\mu^{\text{bl}}; \text{so}, \sim \text{h.}$

$\mu / \text{mm}; / \text{y.}$

$\text{S} \sim \text{w} \text{ y} \sqrt{\text{o}} \text{ w} \text{ g} \text{ u}$

- 'l b z f u t;

$\text{S} \sim \text{re} \text{ o} \text{ g} \text{ h} \text{ p} \sqrt{.}$

6:

$\text{b} \text{ a}, \text{ } ^2, \text{ } \text{r} \text{ } \text{h},$

$\text{, } \text{ } \text{w} \text{ e} \text{ } \text{x} / \text{z} \text{ o.}$

$\text{e. } \text{ } \text{b}, \text{ } \text{h} \text{ v} \text{ } \text{h},$

$\text{e. } \text{ } \text{o} \text{ } \text{r}, \text{ } \text{r} \text{ } \text{o.}$

alg. Co.

e: f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

6:

cd - cd! cd - cd!

in f d w / z h.

o d r 2 0 r z r 2 0

~ ~ f ~ r 2 0 z h z r,

ll v o ~ r 0 ~ r!

alg. Co.

2y ll! 1 0 - r h e e.



6 n e x D h r k u,

e l o o x r y p n.

→ M q f j c u!

n r d e x h z,

x b \_ f o r k

- o r v / y h,

- o r c u ~ k h.

c o r e e s?

o r d o :

z h w e n.

~ ~ s o f, e f f s o n.

T y m i a ' b,

~  $e^{\alpha} \gamma$ ,  $\beta$

-  $e^{\alpha} \gamma$   $\beta$ .

$\gamma$ ,  $\beta$ ,  $\alpha$ ,  $c_1$   $\beta$

$\beta$ ,  $\alpha$ ,  $\gamma$ .

$\beta$   $\alpha$ .

$c_1 \gamma \beta \alpha$ ;

$e \beta \alpha \gamma$ ;  $e \alpha \beta \gamma$ .

# WALPURGISNACHTSTRAUM

er

mo-mo

zürz

my

unb:

zzz~

mo-mo.

un-b,

e'ing gr!

2. l:

e'ing gr,  
älyho  
nif u,  
eriv u.

3. i:

e'ing gr, c' u,  
— f'ing gr  
nif u, nif u,  
b'ing gr

⊂:

$\sim \nu \cdot (\zeta - \pi) \xi$

$- \gamma \theta \sim \zeta \rho \sqrt{z_i}$

$z \nu \sim \nu \alpha^{\rho}$ ,

$\gamma \theta \rho / \xi z_i$

⊂:

$\nu \cdot \nu \theta \sim \alpha$

$z \theta \nu \sim \nu z_i$

$\xi \theta \nu \sim \nu z_i$ ,

$\nu \cdot \nu \theta \sim \nu z_i$ .

*W:*

$m, 1) M \rightarrow$ ,

$m \rightarrow 1$ !

c)  $f \rightarrow m$ ,

$U \rightarrow 1$ !

*W:*

$z \rightarrow 1 - 1/b$ ,

$U \rightarrow 1$ ,

$U \rightarrow 1$ ,

$U \rightarrow 1$ .

$\sqrt{26} \cdot 4: (L \cdot 10^6)$

$1000 - 1000$

$2000 - 1000$ ,

$1000 - 1000$ ,

$e^2, 2000!$

$0 \cdot 1000:$

$0, 1000 - 1000!$

$1, 1000.$

$2 \sqrt{2} \sim 2.828$

$1000 \sim 1000$

26, 1) 1. 1. 1.

$\rho_0 \sim \rho$

$-\rho^2 \rho$

$\rho \sim \rho^2 \rho$

$\partial \rho \sim \rho^2$

$\sim \rho$

$\rho \sim \rho^2 \rho$

$\rho^2 \rho - \rho^2$

$\rho \sim \rho^2 \rho$

$\partial \rho \sim \rho^2$



~nh ~ca:

• e/rolye?

° ~nh

~nh, ~nh,

022 x/h?

~eβ:

~nh, ~nh!

022, 022:

— 022, 022,

— 022, ~nh.

~ ~ ~ ~ ~:

ca. 18, e. 2,

ka - o b c o;

o, u, v, w

1/2 u p o.

A. b.:

D! 2 p b v d:

o' / x, y, z!

- 5<sup>2</sup> u p b a

z y u - p e l.

h d:

'G<sub>a</sub> → v' ~

l' - 2 c d h,

2 d 1 n d s r r ~

- f ~ e r o d h.

h:

1 2 / f n d

2 2 2 / 2!

2 2 l, r h - w

→ v r<sup>e</sup>, h

Hand:

Hand - vno

Hand v l, v l!

Hand - b l b,

- Hand b l v l!

Hand: (Hand - vno)

Hand, vno vno:

Hand v l!

- Hand, v l v,

Hand v l v!

sch: (D'ho)

-4) / l'ers,

6- / g,

- 120000

212000.

Lu:

010 / 2100,

2000 / g,

01, 21000,

10000.

2.3:

0, 0 6 2 2 2 2

2 2 2 2!

2 2 2 2 2 2,

6 2 2 2 2.

2.4:

1 2 2 2 2 2

2 2 2 2 2 2;

2 2 2 2 2 2

2 2 2 2.

zieh' dich wo'f:

2. h. ~ 2' u. co.

~ 2, 6 2 2 f!

~ 6 2 2, 0' 2' 2 u,

2 2 ~ 2' 2'.

~ 2' 2' ~ 2' 2'.

2, 0 2 6 f 2 u?

~ 2 2 f 2 f.

~ 2' 2', co. 2' 2' u.

» 2' 2' 2' 2' u.«

ml:

$z^2 \sim v_1 v_2$

$-D R K \text{ } \varphi_i$

$e_2 \sigma_1 \sim L v_2$

$\int D R L \text{ } \varphi_i$

cl/c:

$L, L, L, v_1 v_2$

$i \sigma \sim L v_2$

$6 v L s^2 \sim v v v v$

$v v v v \sim v v$



49:

en v h c ~ ~ ~ 2?

12 v h h c.

»  $\rightarrow$   $\frac{1}{2} \sqrt{!} - 2 \mu \sim$

1 ~ ~ ~ e r e n . «

49b:

a h e d , l ~ d !

, a ~ r , 2 d !

~ ~ ~  $\frac{1}{2} \sqrt{!} ; C_2 d$

- h / , a - d .

եր:

բժշկ. ք. ք. ք.,  
- ք. ք. ք. ք.;  
- ք. ք. ք.;  
օ ք. ք. ք. ք.

են:

ք. ք. ք. ք.,  
ք. ք. ք. ք.  
ք. ք. ք. ք.;  
օ ք. ք. ք. ք. ք.

sub:

1. 162226

• 9.2/27.

16, 16-000,

— 0 122 ~ 7.

sub:

160. 0 16/8

— 20 10 00;

1 8 2/8

165226.

~~оно~~ ~~еб~~:

26 220 101

- 22 220;

22 ~ 220 101

22 220 101.

оно:

22 ~ 220 101

- 22 ~ 220 101.

22 ~ 220 101;

22 ~ 220 101.

Hand:

by R<sub>1</sub> - R<sub>2</sub>,  
Ment!

by R<sub>1</sub> - R<sub>2</sub>,  
Ment!

by R<sub>1</sub> - R<sub>2</sub>,  
Ment!

by R<sub>1</sub> - R<sub>2</sub>,  
Ment!

Hand:

ob [Sanssouci], — 26 e 2

S. f. p. h.;

r ~ 60 24/2,

r<sub>2</sub> r<sub>1</sub> s ~ r<sub>1</sub>.

1. psch:

o d 2 r 2 h 0 f f,

~ r 2 1 d e r!

± p 2 2 h f,

r. h s u t o r.

1. h:

s<sup>2</sup> o f ~ r 1,

c r o 1 d f e r;

o<sup>2</sup> r 2 p r ~ r 2 r

1, 2 p e r 2 e r.

suppl:

o'222010

$R_{gr} = -L_{gr}$

$R_{gr} R_{gr} L_{gr}$

all vs, L?

126:

$G - G! - \sqrt{m}!$

$- m, 2, 2, 2, 2$

$2, 2, 2, 2, 2, 2$

$62 G 24$

Q:

ml - v's

o - h - r - u - r,

- 'C<sub>20</sub>' ~ 9/11

- C, 'er, or.

W:

n, n<sub>e</sub> ~ n,

n' v' b' / b',

l - m - r - h - g,

s - j - o - r!



$\Delta: (a, b)$

comp-  
n-  
den) / m.

off-  
m.

off-  
m.

off-  
m.

# TRÜBER TAG. FELD

U. v. G. Co.

U:

U. v. G. Co. v. s. r. e. n. N-  
~ U. v. G. Co. v. s. r. e. n. N-  
U. v. G. Co. v. s. r. e. n. N-  
U. v. G. Co. v. s. r. e. n. N-  
U. v. G. Co. v. s. r. e. n. N-  
U. v. G. Co. v. s. r. e. n. N-  
U. v. G. Co. v. s. r. e. n. N-  
U. v. G. Co. v. s. r. e. n. N-  
U. v. G. Co. v. s. r. e. n. N-  
U. v. G. Co. v. s. r. e. n. N-

2.  $\gamma_2 \sim \beta_2$ , und  $v$  in oben links  
-  $\beta_2$  also  $\alpha_2$ !

df. 6.:

$\beta_1, \beta_2$ .

6.:

$\alpha_1 \sim \beta_1$   $\beta_1 \sim \alpha_1$   $\beta_2 \sim \alpha_2$   $\alpha_2 \sim \beta_2$   
 $\alpha_1 \sim \alpha_2$   $\beta_1 \sim \beta_2$   $\alpha_1 \sim \beta_2$   $\beta_1 \sim \alpha_2$   
 $\alpha_1 \sim \beta_2$   $\beta_1 \sim \alpha_2$   $\alpha_1 \sim \beta_2$   $\beta_1 \sim \alpha_2$   
 $\alpha_1 \sim \beta_2$   $\beta_1 \sim \alpha_2$   $\alpha_1 \sim \beta_2$   $\beta_1 \sim \alpha_2$   
 $\alpha_1 \sim \beta_2$   $\beta_1 \sim \alpha_2$   $\alpha_1 \sim \beta_2$   $\beta_1 \sim \alpha_2$

«Вот!» «Вот!» «Вот!»  
«Вот!» «Вот!» «Вот!»  
«Вот!» «Вот!» «Вот!»  
«Вот!» «Вот!» «Вот!»  
«Вот!» «Вот!» «Вот!»  
«Вот!» «Вот!» «Вот!»

«Вот!»

«Вот!» «Вот!» «Вот!»  
«Вот!» «Вот!» «Вот!»  
«Вот!» «Вот!» «Вот!»  
«Вот!» «Вот!» «Вот!»

Q:

log e  $\log^2$   $\mu$  v / — m! v  $\sim$   $\log^2$   $\mu$   
20,  $\mu$   $\log^2$   $\mu$  v /  $\log^2$   $\mu$  v,  
e  $\sim$   $\log^2$   $\mu$  v — 20,  $\mu$   $\sim$   $\log^2$   $\mu$  v  
per  $\log^2$   $\mu$  v; )  $\log^2$   $\mu$  v —  $\log^2$   $\mu$  v  
/?

df. Co.

red e?

Q:

$\log^2$   $\mu$  v —  $\log^2$   $\mu$  v!  $\sim$   $\log^2$   $\mu$  v  $\log^2$   $\mu$  v!

df Co.

1 n, ve<sup>o</sup> ✓ 2 / o, o ✓ 2 / hu.  
m » ✓ 6! « m c Co, ' b no lhu g? ?  
e e?

6 w / o r p.

df Co.

2 6 e D<sup>2</sup> e n? c, e. 1 ser  
g n / p n o e! ~ g o r m i r e / g n,  
e: m n d, ) z m n d / r h.

Q:

W 2! 6° 6!

df. Co.

- , fu' 4 p 200? 00, 2 1/2 s' 40 47e  
Se 20. 5° 200 4 200 4 200  
20° - 200 ~ 200 200.

Q:

2e 200 200 - 200 4 200 200!  
W 2, 01, - 200.

2/3 Co:

1.  $\ln p, -\cos \ln, 2 \sqrt{2} 1 \rightarrow \ln p$   
 $2. -s \ln? \circ \ln \circ \ln - 1 \ln, \ln \ln$   
 $p \setminus z \circ - \ln \circ 2 \circ 2 \ln \circ \ln! 1 \ln, 1 \ln$   
 $\ln^2 \ln, 1 \ln \ln. \ln \ln.$

6:

$s - e!$



# NACHT, OFFEN FELD

$\mathbb{C}, \mathbb{R}^2, \mathbb{C}, \mathbb{R}^2, \mathbb{C}, \mathbb{R}^2$

$\mathbb{C}$ :

$\cos, \sin, \sqrt{z}, \sim \log?$

$\mathbb{R}^2, \mathbb{C}$ :

$\cos, \sin, \sqrt{z}, \sim \log$

$\mathbb{C}$ :

$\log, \sqrt{z}, \sim \log, \sqrt{z}$

uf lo:

— Syll.

6:

6 f<sub>2</sub> - c<sub>2</sub>.

uf lo:

u! u!



1. *Bezo. - No. 1*

*2 2, 2*

*1 2 2 2!*

*2 2, 2*

*1 2 2!*

*2 2 2*

*2 2 2*

*2 2 2;*

*2 2 2 2 2 2;*

*2 2, 2 2!*

Q: (276<sup>c</sup>)

6 ~ 1, e, f, y,

1 ~ 2, e, f, y.

~ 1 ~

www: (1) 2 m u r e

o! o! 6 ~ u. h L e!

Q: (10)

g! g! 1 ~ 2, e, f, y.

www: (1) ~ 2 e y e

6 e ~ 2 y, ~ 6 2 ~ 1.

Q:

es', du -<sup>2</sup> gl ju!  
- lb, m, b gpo.

WMT: (s ~ m)

a o e z n r v

s v p m!

g z d v j r m.

w r l - o v m!

k z m b / j m?

b g r s.

v, d d - h, - h!

- o j p m!

zurück, -earr etc.

salonisch;

hoch, -n, -er etc.

Wahl - p<sup>2</sup>!

zurück, -er, -p<sup>2</sup>!

Wahl, -mols,

zurück, -er, -p<sup>2</sup>!

U:

c<sub>1</sub> ~ h<sub>2</sub> p<sup>2</sup>!

WMT:

zurück, -er, -p<sup>2</sup>!

ov - kente Jhu.

12y - 42y N;

6 ~ v, 2v / m,

- m, 1 / yll.

-  $\mu^c$ ,  $\epsilon$  l.

6 ~ v, 2v! - 105 ~ 2!

~ 2v k r d,

a 2 b e z?

6: (all) r

~ v e d e j l o,

1 k m l y g g o.



www: (all) / R

— 05 www, 12<sup>th</sup> repl!

0! 1<sup>st</sup> fl,

1<sup>st</sup> ju

01, 2<sup>nd</sup>!

— 0,

26— 1000 R,

01 — 10!

0: (R)

00! 00!

WML: (SMA)

ec<sup>o</sup> l<sub>co</sub> p!

o p s. i. n. h. e. n. a.

c. i. t. i. o. n. h. 2. n.

1. v. l. v. o. n. e. c. u.

~ o ~ 2. o. - 1. l. h.

~ o ~ l. o. p. h.

1. l. h. i. g. e. s. j. u.

h. o. 2. n. - n. h. i. 2. n.

p ~ p. h. , l. l. p. 2. n.

v. l. i. ~ o. , ~ p. e. l. u.

Q:

1. 100!

www:

g, b! , a, 2 ~ r!

~ b! , b! , b! c a : e b!

c a , r d ^ m m ? ` m ?

g, b! ~ d , v p j m.

1. 100 m!

j , f o e e

s ` , p j s r o

- ` 2 ~ w

c , - w a e w

Q: (fvc)

~2!~2!

WMT:

—c

c, d — m, c e c b.

mo.

Q:

—!

c e / — b

c & L — v v v v.

www:

0: g n / u n o ?

u l o - n y s v d u l

- x o n o u n l ?

u r ' v ~ e r z o - u r ?

c o d s e n c t , e u u n

~ n y x y p s e r

- e r p o , o - e r p y u :

n o r !

o d n o , e l !

o r l o r :

- o ! e h z n l ,

z f i :

c. e. h

h?

c. u. v. h?

o. o. e. ) / h.

q:

u. l. r. v. h, l. o. y!

1. 2. y. d. 2. l. o. l. l. h. 3.

— l. r. v. !, u. d. — 9!

w. w. : (j. h. p. o. e. i)

— u. e. o. e. ? — u. e. o. o. p. o. o. ?

Q:

1. 10! ~ 2!

WWS:

es, 10, 100,

1000, 10000.

and, 1000 - 1/2!

- 1000, 10000, 100000!

Q:

10! ~ 2!

www:

2 2 2 1 2 2 2,

2 2 2 1 2 2.

2 1 2 - 2 2 2?

2 2 2 2 2 2 2 2 2 2

2 2 2 2 2 2 2 2

2 2 2 2 2 2 2 2 2 2

2 2 2 2 2 2 2 2

2 2 2.

2 2 2 2 2 2 2 2

2 2 2 2 2 2 2 2

2 2 2 2 2 2 2 2



Q:

o e m m o,  
g l d p r.

WMT:

~ , g r b s u !

1 - o , h d f u ,

l i b e o m

z r m ;

~ u ~ b G m ,

z l e → z e m ,

p ~ c p o ;

→ / z j c !

- em v n, 1, 2, 3, 4.  
 v e' o d v s n! m  
 v e o s j p n;  
 e a ~ o, ~ 2 o v!  
 n - v / n p n;  
 v b, o v, v j e p n;  
 o p o e v s e p n;  
 - v b e o - v b - n, - l.

4:

b d e, e, v, - n, - n!

www:

es?

U:

no

www:

eh

sh'le, —

for

—

g

Q:

gr! — — — — — !, r g h!

www:

1 erll; l p. 9/2 h.

cosll, l p. 6. s n d v s.

i — se, u n / v o

- 2 e y 2 u a p o!

i — se, i h e z h

- 6 e p d n h!

Q:

1 b u u e r

www:

pe! pe!

ve no ve!

pe ~ on

peas,

s ~ p,

z ~ ce z,

no, c, cur p,

pe.

lo - ve!

- ) m,

- p. 2!

v! v!

6:

u d d!

→ ~ y, - b g l!

www:

c u r ~ w u!

e o f r u s r g,

- b o p n u z l!

e o f r u s r g

- c u l l i n l

b o u l, b o u l, n l . r g,

b z l - r, b d l u.

b z l, o r s l u.

- energy!

6:

all numbers, all numbers,  
— or to, or to.

www:

or! or!, or! or!  
or! — or!  
or! or! or!

6:

or! or! or!

www:

n! h, - 'n! j n e n 2;

u z j n d, - o!

a n e, e e j u h d.

o r r n y!

- i n p u!

r e j e o;

n / u n y.

i n e n /, u z u b l.

' G, i r o

u b / l o.

i z u e j u h u.

o b r u e - u!



149. 12. 12. 1914.  
2. 11. 12. 1914.  
1. 12. 1. 1914.  
1. 12. 1. 1914.

6:

1. 12. 1. 1914!

1. 12. 1. 1914.

1. 12. 1. 1914.

1. 12. 1. 1914.

1. 12. 1. 1914.

1. 12. 1. 1914.

www:

co f t o<sup>2</sup> u u x?

∫ ∫ x ~ p!

co - ∫<sup>2</sup> 2 ~ u √?

∫ - v p!

Q:

e<sup>o</sup> u!

www:

∫ 2 u! e v v p x u!

2/3 Co. (y 6)

~! ~! ~! ~! ~! ~! ~! ~! ~! ~!

2/3 Co.

e v, ~! ~! ~!

~! ~! ~! ~! ~!

~! ~! ~! ~! ~!

~! ~! ~! ~!

2/3 Co.

6. ~! ~!

gr: (S m)

im!

df lo: (j l)

2/v!

gr 2 l.

gr: (S m, s r)

2 l! 2 l!

