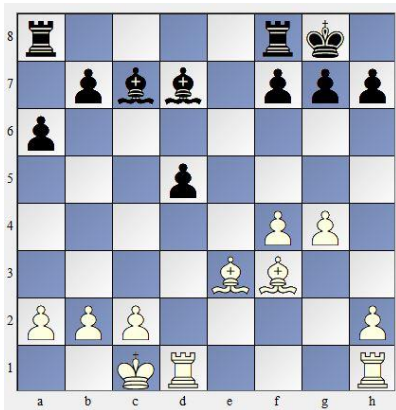


TCEC: Höchste Endspielkunst

Houdini 6.03 – Chiron 110218

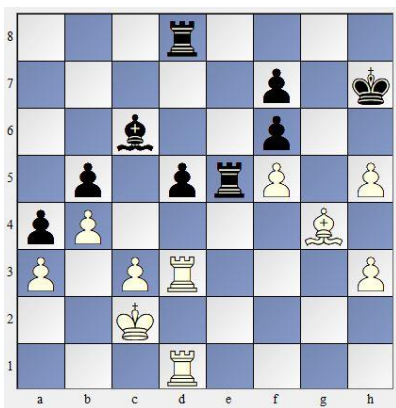
Computer sind natürlich keine Künstler, sondern sie rechnen nur sagenhaft weit – und wenn eine Gewinnchance besteht, wird der bessere Computer auch gewinnen.

Nach 17. ... **Ld7** sieht der Sizilianer nun so aus:



Weiss sieht die Bewertung bei +0.74 und Schwarz bei +0.74, d.h. sie sind sich noch einig.

Nach 36. ... **Te5** sieht der Sizilianer nun so aus (+0.92 / +0.67):



Weiss hat einen kleinen Vorteil, aber wie verdichtet man dies bis zum Sieg?

Ab jetzt erfolgen nach dem Zug stets Angaben des Computers:

36. ... **La5**

$pv=+0.67 / d=34 / n=2.6 / tb=0.5$

pv = position value = Wert Weiss

d = depth = Tiefe in Halbzügen

n = geprüfte Stellungen (Mrd.)

tb = Table Base-Endspiele (Mio.)

37. **Kd2**

$pv=+0.96 / d=35 / n=17 / tb=6.5$

... **Tde8**

$pv=+0.78 / d=35 / n=2.5 / tb=0.5$

38. **Tg1**

$pv=+0.94 / d=36 / n=13 / tb=5.2$

... **Ld7**

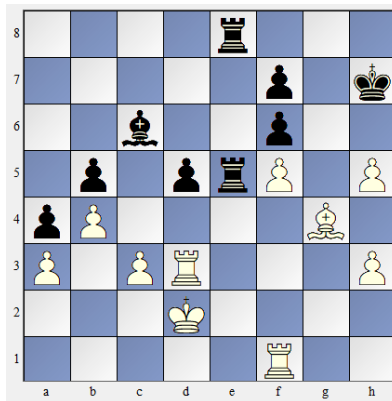
$pv=+0.80 / d=36 / n=2.5 / tb=2.3$

39. **Tf1**

$pv=+0.95 / d=36 / n=7.4 / tb=4.4$

... **Lc6**

$pv=+0.80 / d=36 / n=4.8 / tb=4.4$



40. **Tf2**

$pv=+1.04 / d=34 / n=3.7 / tb=0.8$

... **Kh6**

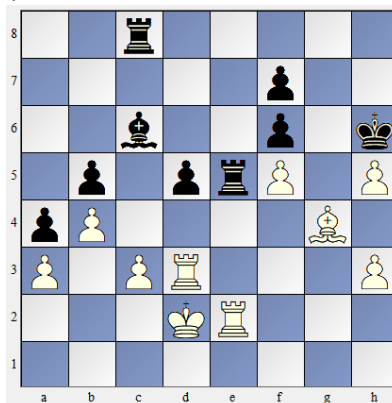
$pv=+0.93 / d=36 / n=3.3 / tb=6.5$

41. **Te2**

$pv=+1.13 / d=31 / n=4.1 / tb=0.7$

... **Tc8**

$pv=+1.03 / d=38 / n=3.6 / tb=0.7$



42. **Tde3**

$pv=+1.14 / d=34 / n=15 / tb=5.0$

... **Te4**

$pv=+1.03 / d=36 / n=2.1 / tb=0.6$

43. **Te1**

$pv=+1.10 / d=33 / n=9.0 / tb=2.6$

... **Td8**

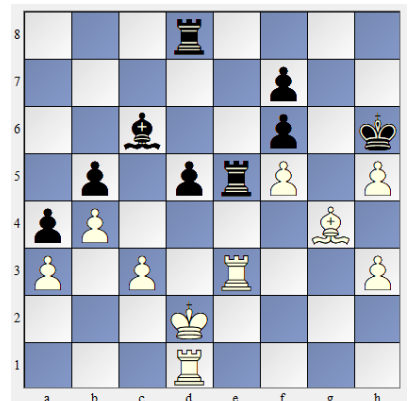
$pv=+1.03 / d=36 / n=5.2 / tb=1.3$

44. **Td1**

$pv=+1.07 / d=35 / n=5.1 / tb=2.5$

... **Te5**

$pv=+1.06 / d=34 / n=2.0 / tb=0.7$



45. **Kd3**

$pv=+1.10 / d=34 / n=3.4 / tb=1.5$

... **La8**

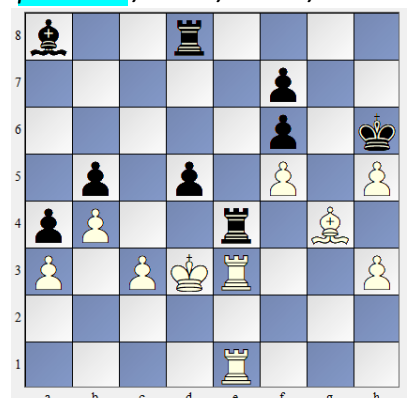
$pv=+1.06 / d=36 / n=1.9 / tb=0.9$

46. **Tde1**

$pv=+1.06 / d=27 / n=0.9 / tb=0.2$

... **Te4**

$pv=+1.24 / d=34 / n=3.7 / tb=1.8$



Fritz 14 zeigt $pv=+0.88$ mit $d=27$

47. Kc2

pv=+1.21 / d=30 / n=6.0 / tb=1.3

... Kg5

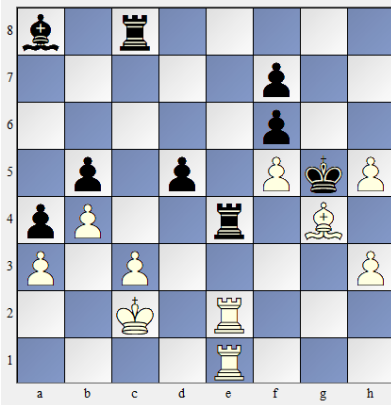
pv=+0.80 / d=34 / n=3.6 / tb=0.3

48. T3e2

pv=+1.16 / d=30 / n=6.0 / tb=0.8

... Tc8

pv=+0.98 / d=29 / n=5.6 / tb=0.5



49. Txe4

pv=+1.24 / d=30 / n=2.1 / tb=0.5

... dxe4

pv=+1.25 / d=32 / n=5.3 / tb=0.9

50. Le2

pv=+1.28 / d=31 / n=3.9 / tb=1.2

... Lc6

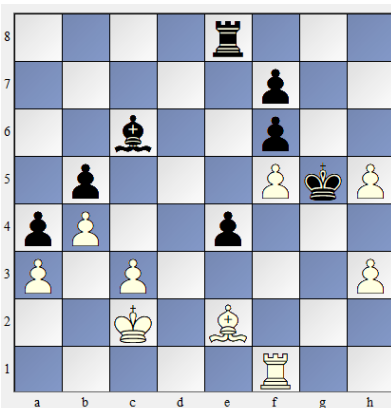
pv=+1.32 / d=32 / n=4.5 / tb=1.5

51. Tf1

pv=+1.31 / d=31 / n=3.6 / tb=2.4

... Te8

pv=+1.36 / d=32 / n=2.3 / tb=0.7



Fritz 14 zeigt pv=+1.19 mit d=26

52. Kd2

pv=+1.49 / d=30 / n=4.4 / tb=3.8

... e3+

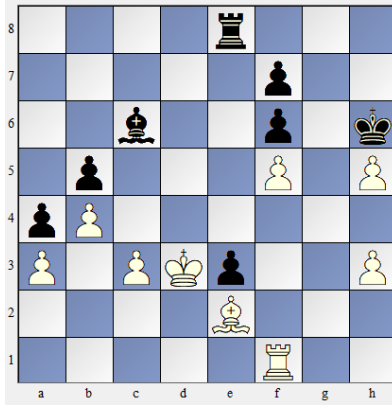
pv=+1.35 / d=35 / n=1.5 / tb=1.2

53. Kd3

pv=+1.61 / d=32 / n=7.2 / tb=6.0

... Kh6

pv=+1.70 d=36 / n=15 / tb=11



54. c4

pv=+1.71 / d=29 / n=2.4 / tb=2.8

... bxc4+

pv=+1.64 d=31 / n=2.9 / tb=1.3

55. Kxc4

pv=+1.81 / d=31 / n=2.8 / tb=3.3

... Lg2

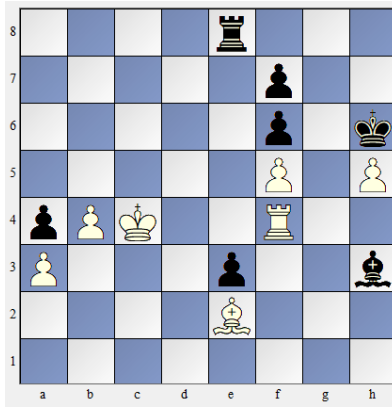
pv=+1.78 / d=28 / n=2.2 / tb=1.1

56. Tf4

pv=+1.82 / d=35 / n=1.1 / tb=0.5

... Lxh3

pv=+1.79 / d=35 / n=1.6 / tb=1.9



Fritz 14 zeigt pv=+1.11 mit d=29

57. Kd4

pv=+2.00 / d=28 / n=2.2 / tb=3.1

... Lg2

pv=+2.24 d=35 / n=6.8 / tb=1.2

58. b5

pv=+2.14 / d=27 / n=0.7 / tb=0.7

... Te5

pv=+2.27 / d=31 / n=1.4 / tb=1.0

59. Tg4

pv=+2.27 / d=28 / n=1.9 / tb=3.1

... Lh1

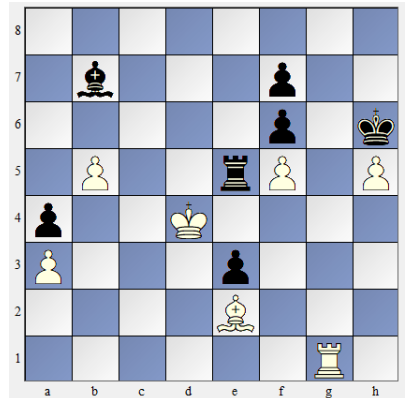
pv=+2.44 / d=33 / n=1.4 / tb=1.7

60. Tg1

pv=+2.37 / d=30 / n=2.7 / tb=4.6

... Lb7

pv=+2.51 / d=32 / n=3.1 / tb=0.1



Fritz 14 zeigt pv=+2.25 mit d=24

61. Tg8

pv=+2.28 / d=28 / n=0.6 / tb=0.9

... Txf5

pv=+2.59 / d=32 / n=0.7 / tb=0.6

62. Te8

pv=+2.58 / d=27 / n=1.2 / tb=4.1

... Td5+

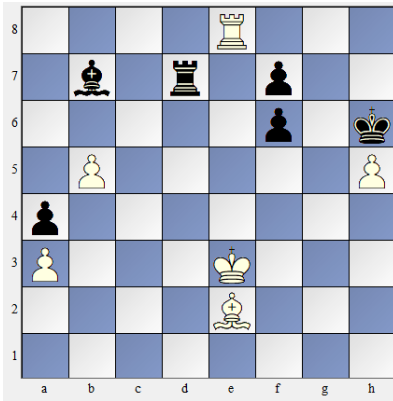
pv=+.92 / d=28 / n=1.2 / tb=1.3

63. Kxe3

pv=+2.75 / d=28 / n=0.7 / tb=5.0

... Td7

$pv=+2.90 / d=31 / n=0.7 / tb=1.3$



64. Tb8

$pv=+2.85 / d=26 / n=0.5 / tb=1.0$

... f5

$pv=+3.31 / d=33 / n=1.1 / tb=3.4$

65. Kf4

$pv=+3.11 / d=29 / n=2.3 / tb=6.8$

... Le4

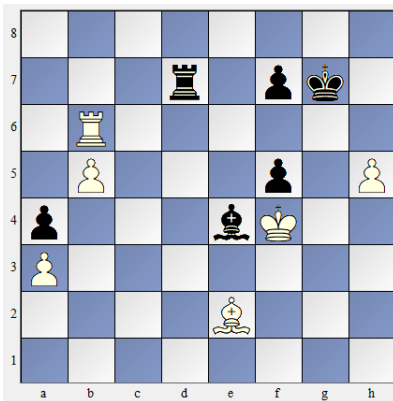
$pv=+3.51 / d=32 / n=1.0 / tb=3.5$

66. Tb6+

$pv=+3.15 / d=26 / n=0.8 / tb=3.9$

... Kg7

$pv=+3.78 / d=32 / n=2.7 / tb=8.0$



Fritz 14 zeigt $pv=+2.94$ mit $d=25$

67. Ta6

$pv=+3.46 / d=29 / n=2.5 / tb=8.9$

... Td2

$pv=+3.93 / d=32 / n=1.4 / tb=4.4$

68. h6+

$pv=+3.74 / d=29 / n=2.4 / tb=7.1$

... Kh7

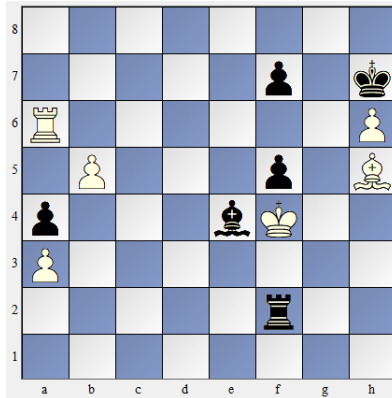
$pv=+4.17 / d=29 / n=0.7 / tb=1.5$

69. Lh5

$pv=+3.97 / d=27 / n=2.3 / tb=10$

... Tf2+

$pv=+4.68 / d=29 / n=2.7 / tb=8.5$



70. Ke3

$pv=+4.06 / d=25 / n=0.6 / tb=1.0$

... Ta2

$pv=+4.68 / d=27 / n=0.6 / tb=1.0$

71. Txa4

$pv=+4.32 / d=35 / n=1.8 / tb=5.6$

... Kxh6

$pv=+4.88 / d=31 / n=1.7 / tb=10$

72. Lxf7

$pv=+4.68 / d=24 / n=2.8 / tb=8.9$

... Ta1

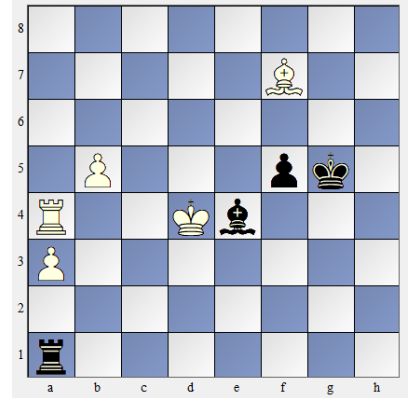
$pv=+4.88 / d=30 / n=0.6 / tb=0.2$

73. Kd4

$pv=+4.84 / d=23 / n=0.7 / tb=0.6$

... Kg5

$pv=+5.52 / d=26 / n=1.0 / tb=0.6$



74. b6

$pv=+5.22 / d=24 / n=1.9 / tb=4.8$

... Lc6

$pv=+6.17 / d=30 / n=2.0 / tb=9.5$

75. Ta5

$pv=+5.69 / d=23 / n=17 / tb=4.1$

... Td1+

$pv=+6.17 / d=30 / n=1.5 / tb=0.5$

76. Kc5

$pv=+6.28 / d=22 / n=2.8 / tb=5.7$

... Le4

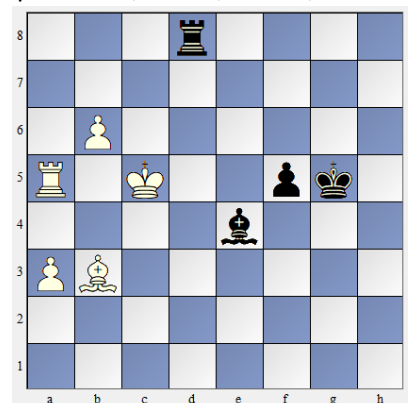
$pv=+7.56 / d=28 / n=6.0 / tb=1.1$

77. Lb3

$pv=+6.79 / d=22 / n=0.6 / tb=1.1$

... Td8

$pv=+8.32 / d=25 / n=1.2 / tb=0.4$



78. Ta7

$pv=+7.60 / d=20 / n=1.6 / tb=1.4$

... f4

$pv=+8.81 / d=29 / n=1.6 / tb=5.6$

79. Tg7+

pv=+1.33 / d=22 / n=2.6 / tb=1.2

... Kh4

pv=+10.7 / d=22 / n=9.6 / tb=3.5

80. b7

pv=+148 / d=40 / n=2.1 / tb=4.3



... und hier weist Houdini einen zwingenden Gewinnweg nach, deshalb 1:0

Fritz-14 nach 3 Minuten:
+1.53; nach 7 Minuten &
Tiefe 26: + 3.52 / Houdini:
d=40, pd=Bxb7,
mt=00:00:18, tl=00:04:41,
s=117351 kN/s,
n=2141774507, pv=b7 Bxb7
Rxb7 f3 Bc4 Ra8 Kb4 f2 Rf7
Kg3 a4 Rb8+ Bb5 Rd8 a5
Rd4+ Bc4 Rd1 a6 Rb1+ Kc3
Rd1 a7 Ra1 Kd2 Ra5 Rg7+
Kh3 Ke3 Rf5 a8=Q f1=N+
Bxf1+, tb=42905717,
R50=49, wv=148.83,, **White
wins by adjudication: TCEC
win rule**

JH/9.3.18