

# \$ + **GNU Chess Sample Match with MACH**

Article 1586 of rec.games.chess:  
Path: ai-lab!cracraft  
From: cracraft@wheaties.ai.mit.edu (Stuart Cracraft)  
Newsgroups: rec.games.chess,gnu.chess  
Subject: GNU Chess 1.55 vs. Fidelity Mach 3  
Message-ID: <5741@rice-chex.ai.mit.edu>  
Date: 3 Jan 90 04:52:50 GMT  
Reply-To: cracraft@wheaties.ai.mit.edu ()  
Organization: Project GNU  
Lines: 181  
Xref: ai-lab rec.games.chess:1586 gnu.chess:29

The following is the complete match between GNU Chess 1.55 on Sparc-1 and Fidelity Mach 3. The game header contains the sides with White listed first. The result is listed after the last move of each game. Time control was 60/15. Both sides used transposition tables and thinking on the opponent's time. Opening books were enabled using random openings.

--Stuart Cracraft

P.S. This version of GNU has just been released by FSF.

Match Game GNU\_vs\_Mach3

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . e2e4,e7e5 | 2 . g1f3,b8c6 | 3 . f1c4,c6d4 | 4 . f3e5,d4e6 | 5 . d1h5,g7g6 |
| 6 . h5h3,d8g5 | 7 . e5f3,g5c5 | 8 . b2b3,f8g7 | 9 . c2c3,c5c6 | 10. c4d5,c6b5 |
| 11. d2d4,g8f6 | 12. d5c4,b5a5 | 13. b3b4,a5b6 | 14. d4d5,f6e4 | 15. h3h4,e4c3 |
| 16. d5e6,f7e6 | 17. a2a3,a7a5 | 18. b4a5,a8a5 | 19. b1d2,a5h5 | 20. h4g4,c3e4 |
| 21. d2e4,g7a1 | 22. e1g1,a1g7 | 23. c1g5,d7d5 | 24. c4d5,e8g8 | 25. d5c4,g8h8 |
| 26. e4g3,e6e5 | 27. g4e4,h5g5 | 28. f3g5,b6f6 | 29. g5f3,f6e7 | 30. f1e1,e7c5 |
| 31. e4d3,c8g4 | 32. g3e4,c5a5 | 33. f3d2,g4f5 | 34. e1b1,b7b6 | 35. d3g3,c7c6 |
| 36. g3e3,b6b5 | 37. c4e2,a5d8 | 38. b1c1,f5d7 | 39. d2f3,d8e7 | 40. e3a7,e7f7 |
| 41. c1c5,f7e6 | 42. e2d3,e6b3 | 43. d3c2,b3e6 | 44. a3a4,b5a4 | 45. a7a4,f8b8 |
| 46. a4a7,b8b2 | 47. c2d3,b2b3 | 48. a7a8,d7e8 | 49. e4c3,b3b6 | 50. d3c4,e6e7 |
| 51. c5a5,b6b4 | 52. a5a7,e7f8 | 53. f3d2,h7h6 | 54. c3e4,b4b2 | 55. c4d3,b2b4 |
| 56. d2c4,b4b3 | 57. d3c2,b3b4 | 58. c4d6,b4e4 | 59. c2e4,f8d6 | 60. a8e8,h8h7 |
| 61. a7d7,d6f6 | 62. e8c8,c6c5 | 63. c8c5,f6f4 | 64. c5c6,f4g5 | 65. c6c7,h7h8 |
| 66. c7c8,h8h7 | 67. e4d5,g5c1 | 68. c8c1,h6h5 | 69. h2h4,h7h8 | 70. c1c8,h8h7 |
| 71. c8g8,h7h6 | 72. g8g7 1-0  |               |               |               |

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Match Game Mach3\_vs\_GNU

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . e2e4,e7e5 | 2 . f2f4,e5f4 | 3 . g1f3,d7d6 | 4 . d2d3,g7g5 | 5 . c1d2,f8g7 |
| 6 . d2c3,g7c3 | 7 . b1c3,g5g4 | 8 . f3g1,d8h4 | 9 . e1d2,g8f6 | 10. d2c1,e8g8 |
| 11. d1d2,f6h5 | 12. c3d5,h5g3 | 13. d2e1,h4h6 | 14. h2g3,h6h1 | 15. d5c7,b8a6 |
| 16. e1a5,f7f5 | 17. a5d5,f8f7 | 18. c7a8,h1g1 | 19. c1d2,a6b4 | 20. d5c4,g1f2 |
| 21. f1e2,f2e3 | 22. d2d1,b4c6 | 23. a1c1,e3g3 | 24. e4f5,c8f5 | 25. c4d5,g3e3 |

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# sample\_game

\$ GNU Chess match with MACH

+ index:0040

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 26. c2c3,c6e5 | 27. d5d6,f4f3 | 28. g2f3,g4f3 | 29. e2f1,f3f2 | 30. d1c2,f5d3 |
| 31. f1d3,e5d3 | 32. d6d8,f7f8 | 33. d8d3,e3c1 | 34. c2c1,f2f1 | 35. d3f1,f8f1 |
| 36. c1d2,f1f2 | 37. d2c1,h7h5 | 38. a8c7,h5h4 | 39. c7d5,h4h3 | 40. d5e7,g8f7 |
| 41. e7f5,f2f5 | 42. c1d2,h3h2 | 43. d2c2,f5f2 | 44. c2b3,h2h1 | 45. a2a3,h1b1 |
| 46. b3c4,b1b2 | 47. a3a4,f2f4 | 48. c4d3,b2g2 | 49. a4a5,g2e4 | 50. d3d2,f4f2 |
| 51. d2d1,e4h1 | 0-1           |               |               |               |

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Match Game GNU\_vs\_Mach3

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . e2e4,c7c5 | 2 . g1f3,d7d6 | 3 . d2d4,c5d4 | 4 . f3d4,g8f6 | 5 . b1c3,b8c6 |
| 6 . d4c6,b7c6 | 7 . f1c4,a8b8 | 8 . e4e5,f6d7 | 9 . e5d6,e7d6 | 10. e1g1,d6d5 |
| 11. f1e1,f8e7 | 12. c4d5,b8b6 | 13. d5f3,e8g8 | 14. c3a4,b6a6 | 15. e1e4,f7f5 |
| 16. e4d4,c6c5 | 17. d4f4,a6d6 | 18. d1e1,e7g5 | 19. f4c4,d7e5 | 20. c1g5,e5f3 |
| 21. g2f3,d8g5 | 22. g1h1,c8b7 | 23. e1e3,g5e3 | 24. f2e3,b7f3 | 25. h1g1,d6d2 |
| 26. h2h3,f8e8 | 27. c4c5,e8e3 | 28. c5f5,d2g2 | 29. g1f1,g2c2 | 30. h3h4,f3c6 |
| 31. b2b3,e3h3 | 32. f1e1,h3h4 | 33. e1d1,h4h2 | 34. d1e1,c2e2 | 35. e1d1,e2e6 |
| 36. f5f1,c6g2 | 37. f1f2,h2h1 | 38. d1c2,h1a1 | 39. f2g2,a1a2 | 40. a4b2,h7h5 |
| 41. b3b4,g7g6 | 42. c2b3,a2a6 | 43. b2d3,e6e3 | 44. b3c4,g8g7 | 45. c4d4,a6e6 |
| 46. d3c5,e6e7 | 47. g2a2,e3e1 | 48. a2g2,g7h6 | 49. g2a2,h5h4 | 50. a2h2,g6g5 |
| 51. b4b5,h6h5 | 52. c5d3,e1d1 | 53. h2h3,g5g4 | 54. h3e3,e7e3 | 55. d4e3,d1d3 |
| 56. e3d3      | 0-1           |               |               |               |

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Match Game Mach3\_vs\_GNU

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . e2e4,c7c5 | 2 . b2b4,c5b4 | 3 . a2a3,b8c6 | 4 . g1f3,g8f6 | 5 . a3b4,f6e4 |
| 6 . d2d3,e4f6 | 7 . b4b5,c6b4 | 8 . f1e2,d7d6 | 9 . c1d2,b4d5 | 10. c2c4,d5b6 |
| 11. e1g1,h7h6 | 12. b1c3,e7e5 | 13. f1e1,d8c7 | 14. d1b3,c8e6 | 15. d2e3,f8e7 |
| 16. c3a4,b6a4 | 17. b3a4,b7b6 | 18. d3d4,e5e4 | 19. f3d2,d6d5 | 20. c4d5,e6d5 |
| 21. e1c1,c7d7 | 22. f2f3,e4f3 | 23. d2f3,e8g8 | 24. f3e5,d7b7 | 25. a4a6,b7a6 |
| 26. a1a6,d5b7 | 27. a6a2,e7d6 | 28. e2c4,f6d5 | 29. e3f2,f8c8 | 30. a2a1,c8c7 |
| 31. a1a2,d5b4 | 32. a2a1,b7e4 | 33. f2g3,b4c2 | 34. a1a4,c2e3 | 35. c1e1,e4c2 |
| 36. a4a2,e3c4 | 37. a2c2,c4a3 | 38. c2b2,f7f6 | 39. e5g6,d6g3 | 40. h2g3,g8f7 |
| 41. g6f4,c7c2 | 42. b2b3,a3c4 | 43. b3b1,c4d6 | 44. g1h2,a8e8 | 45. e1e8,f7e8 |
| 46. h2h3,e8f7 | 47. b1b4,g7g5 | 48. f4h5,f6f5 | 49. h3h2,f7g6 | 50. g3g4,f5g4 |
| 51. h5g3,h6h5 | 52. h2g1,h5h4 | 53. g3f1,h4h3 | 54. g2h3,g4h3 | 55. b4b3,g5g4 |
| 56. b3g3,g6h5 | 57. g3g4,h3h2 | 58. f1h2,c2h2 | 59. g4g7,h2a2 | 60. g7d7,d6f5 |
| 61. g1f1,h5h6 | 62. f1e1,a2b2 | 63. d7a7,f5d4 | 64. a7a6,b2b5 | 65. e1d2,h6g5 |
| 66. d2c3,d4c6 | 67. c3c4,b5c5 | 68. c4b3,b6b5 | 69. b3b2,g5f4 | 70. a6a3,b5b4 |
| 71. a3b3,c5c4 | 72. b3d3,c6d4 | 73. b2b1,f4e4 | 74. d3h3,b4b3 | 75. h3g3,e4d5 |
| 76. g3g5,d5d6 | 77. g5g3,d6c5 | 78. g3g5,c5b4 | 79. g5g4,d4b5 | 80. g4c4,b4c4 |
| 81. b1b2,b5d6 | 82. b2a3,c4c3 | 83. a3a4,b3b2 | 84. a4a5,b2b1 | 85. a5a6,b1b5 |
| 86. a6a7,b5b7 | 0-1           |               |               |               |

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Match Game GNU\_vs\_Mach3

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . e2e4,c7c6 | 2 . d2d4,d7d5 | 3 . e4e5,c8f5 | 4 . f1d3,f5d3 | 5 . d1d3,b8a6 |
| 6 . d3b3,d8a5 | 7 . c1d2,a5b6 | 8 . b3b6,a7b6 | 9 . g1f3,e7e6 | 10. e1g1,f8e7 |
| 11. c2c3,g8h6 | 12. d2h6,g7h6 | 13. b1d2,h8g8 | 14. g1h1,a6c7 | 15. f1g1,e8d7 |
| 16. c3c4,d7c8 | 17. c4d5,c7d5 | 18. g1c1,d5b4 | 19. d2c4,c8b8 | 20. a2a3,b4d3 |
| 21. c1c2,a8a6 | 22. a1d1,d3f4 | 23. c4e3,f7f5 | 24. g2g3,f4h5 | 25. e3c4,f5f4 |
| 26. c2c3,g8d8 | 27. g3g4,h5g7 | 28. b2b4,g7e8 | 29. h2h4,e8c7 | 30. h1g2,c7d5 |

|                |                |                |                |                |
|----------------|----------------|----------------|----------------|----------------|
| 31. c3c2,a6a4  | 32. d1d3,a4a7  | 33. c2c1,b6b5  | 34. c4d2,d8g8  | 35. g2h3,a7a6  |
| 36. d2e4,d5c7  | 37. e4c5,a6a7  | 38. c1b1,b8a8  | 39. b1g1,g8d8  | 40. g1d1,a8b8  |
| 41. h3h2,b7b6  | 42. c5e4,d8g8  | 43. h2h3,c7d5  | 44. d1e1,a7d7  | 45. e1c1,b8c7  |
| 46. e4c3,g8a8  | 47. c3d5,d7d5  | 48. d3c3,c7d7  | 49. h4h5,d7e8  | 50. c3c6,a8a3  |
| 51. h3g2,e8f7  | 52. c6c7,d5d8  | 53. c1c6,d8g8  | 54. f3h2,a3d3  | 55. c6b6,d3d4  |
| 56. b6b5,f7e8  | 57. b5b8,d4d8  | 58. b8b6,e8f7  | 59. b6b7,g8e8  | 60. c7c4,d8b8  |
| 61. c4f4,f7g8  | 62. b7d7,e8f8  | 63. f4f8,g8f8  | 64. f2f4,f8e8  | 65. d7c7,b8b4  |
| 66. g2f3,b4b3  | 67. f3e4,b3b4  | 68. e4e3,b4b3  | 69. e3f2,e8d8  | 70. c7c4,e7h4  |
| 71. f2g2,b3b2  | 72. g2h3,h4e1  | 73. h2f3,b2b3  | 74. h3g2,b3b2  | 75. g2f1,e1g3  |
| 76. f3d4,d8d7  | 77. d4e2,g3h4  | 78. c4a4,h4e7  | 79. a4a7,d7e8  | 80. a7a6,b2b1  |
| 81. f1g2,b1b2  | 82. g2f3,b2b3  | 83. f3e4,b3b4  | 84. e4d3,b4b3  | 85. d3c2,b3e3  |
| 86. c2d2,e3a3  | 87. a6e6,e8d8  | 88. e6h6,e7b4  | 89. d2c2,a3e3  | 90. e2d4,e3c3  |
| 91. c2b2,c3c4  | 92. d4c6,d8d7  | 93. b2b3,c4c6  | 94. h6c6,d7c6  | 95. b3b4,c6d7  |
| 96. f4f5,d7e7  | 97. e5e6,e7f6  | 98. g4g5,f6e7  | 99. g5g6,h7g6  | 100. h5g6,e7f6 |
| 101. b4b5,f6f5 | 102. e6e7,f5g6 | 103. e7e8,g6f5 | 104. e8e3,f5g4 | 105. e3e4,g4g5 |
| 106. e4f3,g5h6 | 107. f3g4,h6h7 | 108. g4g5,h7h8 | 109. b5c5,h8h7 | 110. c5d5,h7h8 |
| 111. d5e5,h8h7 | 112. e5f6,h7h8 | 113. g5g7 1-0  |                |                |

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#### Match Game Mach3\_vs\_GNU

|               |               |                   |               |               |
|---------------|---------------|-------------------|---------------|---------------|
| 1 . d2d4,g8f6 | 2 . c2c4,g7g6 | 3 . g2g3,f8g7     | 4 . f1g2,e8g8 | 5 . b1c3,d7d6 |
| 6 . e2e3,b8d7 | 7 . g1e2,c7c5 | 8 . e1g1,d7b6     | 9 . b2b3,d8c7 | 10. c3b5,c7d7 |
| 11. c1b2,a7a6 | 12. b5c3,c5d4 | 13. d1d4,d7c7     | 14. e2f4,f6h5 | 15. f4d5,b6d5 |
| 16. d4d5,h5f6 | 17. d5d3,c8f5 | 18. e3e4,f5d7     | 19. a1e1,f8e8 | 20. b2a1,f6g4 |
| 21. c3d5,c7a5 | 22. a1g7,g8g7 | 23. d3d4,e7e5     | 24. d4b6,a5b6 | 25. d5b6,a8d8 |
| 26. b6d7,d8d7 | 27. g2h3,f7f5 | 28. f2f3,g4h6     | 29. e1d1,d7d8 | 30. d1d3,f5e4 |
| 31. f3e4,h6f7 | 32. h3g2,f7g5 | 33. h2h4,g5e6     | 34. g1h2,e6d4 | 35. d3d2,e8f8 |
| 36. d2f2,b7b6 | 37. h2h3,f8f2 | 38. f1f2,d8d7     | 39. g2f1,d7f7 | 40. f2f7,g7f7 |
| 41. f1d3,f7e6 | 42. h3g4,h7h6 | 43. h4h5,g6g5     | 44. d3b1,e6d7 | 45. g4h3,d7c6 |
| 46. b3b4,a6a5 | 47. b4a5,b6a5 | 48. b1d3,c6c5     | 49. a2a3,d4b3 | 50. h3g4,c5d4 |
| 51. d3c2,b3d2 | 52. g4f5,d2c4 | 53. f5g6,c4a3     | 54. c2a4,d4e4 | 55. a4c6,e4d3 |
| 56. g6h6,e5e4 | 57. h6g5,e4e3 | 58. c6f3,e3e2     | 59. f3e2,d3e2 | 60. h5h6,a3c4 |
| 61. h6h7,c4e5 | 62. g5f6,e2f3 | 63. h7h8,f3g3 1-0 |               |               |

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#### Match Game GNU\_vs\_Mach3

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . d2d4,e7e6 | 2 . e2e4,d7d5 | 3 . b1d2,c7c5 | 4 . g1f3,b8c6 | 5 . f1b5,c5d4 |
| 6 . f3d4,c8d7 | 7 . b5c6,b7c6 | 8 . e1g1,a8b8 | 9 . e4d5,c6d5 | 10. f1e1,g8f6 |
| 11. d2b3,d8c7 | 12. h2h3,f8d6 | 13. d4f5,d6h2 | 14. g1h1,f6e4 | 15. e1e4,d5e4 |
| 16. f5g7,e8e7 | 17. g2g3,h2g3 | 18. f2g3,c7g3 | 19. d1g4,g3g4 | 20. h3g4,h8g8 |
| 21. c1h6,e4e3 | 22. a1e1,b8b4 | 23. g4g5,d7c6 | 24. h1h2,b4h4 | 25. h2g3,h4e4 |
| 26. g7h5,g8d8 | 27. h5f6,e4c4 | 28. b3a5,c4c2 | 29. a5c6,c2c6 | 30. e1e3,c6a6 |
| 31. e3c3,e7d6 | 32. a2a3,a6c6 | 33. c3d3,d6c7 | 34. d3d8,c7d8 | 35. f6h7,a7a5 |
| 36. h6g7,a5a4 | 37. g3f4,c6c2 | 38. g7c3,d8e7 | 39. h7f6,c2f2 | 40. f4e3,f2h2 |
| 41. f6e4,h2h3 | 42. e3f4,h3h4 | 43. f4f3,e7f8 | 44. e4c5,f8g8 | 45. f3g3,h4c4 |
| 46. c3b4,c4d4 | 47. c5a4,g8h7 | 48. a4b6,h7g6 | 49. b4c3,d4d1 | 50. c3f6,g6h5 |
| 51. b6c4,d1a1 | 52. b2b4,a1h1 | 53. g3f3,h1h3 | 54. f3e4,h3b3 | 55. f6e7,b3c3 |
| 56. e4d4,c3f3 | 57. b4b5,f3f4 | 58. d4c5,f4f5 | 59. c5c6,f5f4 | 60. c4d6,f4f3 |
| 61. a3a4,f3a3 | 62. b5b6,a3c3 | 63. c6d7,c3b3 | 64. d6b5,b3b2 | 65. b6b7,b2a2 |
| 66. b7b8,a2a4 | 67. b8h2,a4h4 | 68. h2h4,h5h4 | 69. g5g6,h4h5 | 70. g6f7,e6e5 |

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 71. f7f8,h5g4 | 72. d7e6,e5e4 | 73. f8f5,g4g3 | 74. f5f1,e4e3 | 75. e6f5,e3e2 |
| 76. e7d6,g3h4 | 77. f1h1 1-0  |               |               |               |

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Match Game Mach3\_vs\_GNU

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . d2d4,g8f6 | 2 . c1g5,f6e4 | 3 . g5h4,g7g5 | 4 . f2f3,g5h4 | 5 . f3e4,c7c5 |
| 6 . e2e3,d8b6 | 7 . g1f3,b6b2 | 8 . b1d2,f8g7 | 9 . d2b3,h4h3 | 10. b3c5,h3g2 |
| 11. f1g2,b2c3 | 12. e1e2,h8g8 | 13. g2h3,b7b6 | 14. c5d3,c8a6 | 15. h1g1,b8c6 |
| 16. h3f5,e8f8 | 17. d1d2,c3d2 | 18. e2d2,d7d6 | 19. f5h7,g8h8 | 20. h7f5,e7e6 |
| 21. f5g4,c6a5 | 22. a1b1,a5c4 | 23. d2e2,g7h6 | 24. d3b4,a6b7 | 25. e2d3,c4e3 |
| 26. d4d5,e6d5 | 27. e4d5,f7f5 | 28. g4h5,e3d5 | 29. b4d5,b7d5 | 30. f3h4,d5e4 |
| 31. d3e2,h8h7 | 32. b1f1,h6e3 | 33. h5g6,h7h4 | 34. e2e3,f8e7 | 35. g6f5,e4f5 |
| 36. f1f5,h4h2 | 37. e3d3,e7e6 | 38. g1f1,a7a6 | 39. a2a4,h2h3 | 40. d3d4,h3h4 |
| 41. f1f4,h4f4 | 42. f5f4,a8c8 | 43. c2c4,c8c5 | 44. f4f3,d6d5 | 45. c4d5,c5d5 |
| 46. d4c4,d5c5 | 47. c4b3,c5e5 | 48. f3d3,e5e4 | 49. d3d8,e4e3 | 50. b3b4,a6a5 |
| 51. b4b5,e3b3 | 52. b5c6,b3b4 | 53. d8d6,e6e7 | 54. d6d7,e7f6 | 55. d7d2,f6f5 |
| 56. d2d5,f5e4 | 57. d5b5,b4a4 | 58. c6b6,e4d4 | 59. b5a5,a4c4 | draw          |

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Match Game GNU\_vs\_Mach3

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . e2e4,c7c5 | 2 . g1f3,d7d6 | 3 . d2d4,c5d4 | 4 . f3d4,g8f6 | 5 . b1c3,a7a6 |
| 6 . f1c4,g7g6 | 7 . c1g5,f8g7 | 8 . e1g1,e8g8 | 9 . a1c1,d8b6 | 10. c4b3,b8c6 |
| 11. d4c6,b7c6 | 12. d1d2,c8b7 | 13. c1e1,c6c5 | 14. e4e5,d6e5 | 15. d2e3,h7h6 |
| 16. g5h4,b6b4 | 17. h4g3,f6g4 | 18. e3e2,a8d8 | 19. a2a3,b4b6 | 20. e2g4,d8d4 |
| 21. g4e2,c5c4 | 22. b3c4,b6c6 | 23. c4f7,f8f7 | 24. f2f3,c6b6 | 25. e2e3,e5e4 |
| 26. c3e4,b7e4 | 27. f3e4,f7f1 | 28. g1f1,b6b2 | 29. e3b3,b2b3 | 30. c2b3,d4d3 |
| 31. e1b1,d3e3 | 32. g3f2,e3e4 | 33. b1c1,e4f4 | 34. f1e2,g8f7 | 35. c1c6,f4f6 |
| 36. c6c4,f6e6 | 37. f2e3,g6g5 | 38. e2d3,e6d6 | 39. d3e4,g7b2 | 40. a3a4,d6e6 |
| 41. e4f3,b2e5 | 42. h2h4,g5h4 | 43. c4h4,e5g7 | 44. g2g4,e6f6 | 45. f3e4,f6g6 |
| 46. b3b4,g6e6 | 47. e4d3,e6d6 | 48. d3c4,d6c6 | 49. c4d5,c6e6 | 50. e3c1,e6d6 |
| 51. d5c5,g7d4 | 52. c5c4,d4f6 | 53. h4h5,d6d4 | 54. c4b3,d4g4 | 55. h5h6,g4g3 |
| 56. b3a2,g3g1 | 57. c1a3,g1g2 | 58. a2b1,e7e5 | 59. b4b5,a6b5 | 60. a4b5,e5e4 |
| 61. b5b6,e4e3 | 62. b6b7,e3e2 | 63. a3b4,f6e5 | 64. h6h5,e5d6 | 65. h5h7,f7g6 |
| 66. h7h1,g2f2 | 67. h1c1,f2f1 | 68. b4d2,f1f7 | 69. c1g1,g6f6 | 70. g1g2,f7b7 |
| 71. b1c2,b7e7 | 72. d2e1,d6f4 | 73. g2f2,f6f5 | 74. c2d3,e7e3 | 75. d3d2,e3h3 |
| 76. d2e2,f5e4 | 77. e1d2,f4e5 | 78. f2g2,e5d4 | 79. g2g4,e4d5 | 80. g4g5,d5c4 |
| 81. g5g4,h3h2 | 82. e2d1 draw |               |               |               |

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Match Game Mach3\_vs\_GNU

|               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|
| 1 . g2g3,g8f6 | 2 . f1g2,d7d5 | 3 . g1f3,b8c6 | 4 . d2d4,e7e6 | 5 . e1g1,h7h6 |
| 6 . b1c3,f8b4 | 7 . c1f4,b4c3 | 8 . b2c3,f6e4 | 9 . d1d3,g7g5 | 10. f4c1,e8g8 |
| 11. c1a3,f8e8 | 12. f3e5,c6e5 | 13. d4e5,c7c5 | 14. g2e4,d5e4 | 15. d3e4,d8a5 |
| 16. a3b2,e8d8 | 17. f1b1,d8d2 | 18. a2a3,a5a6 | 19. c3c4,c8d7 | 20. b2c3,d7c6 |
| 21. e4e3,d2c2 | 22. e3d3,a6a4 | 23. b1b2,c2b2 | 24. c3b2,b7b6 | 25. f2f3,a7a6 |
| 26. e2e4,a8a7 | 27. d3d6,a7d7 | 28. d6b8,g8g7 | 29. a1f1,a4b3 | 30. f1f2,d7d1 |
| 31. g1g2,c6a4 | 32. b8c8,d1b1 | 33. b2c3,b3c3 | 34. c8d8,c3e5 | 35. d8a8,a6a5 |
| 36. a8d8,e5c3 | 37. e4e5,c3e5 | 38. d8d3,b1b3 | 39. d3d8,e5d4 | 40. f2d2,d4d8 |
| 41. d2d8,a4c6 | 42. d8d6,b3b2 | 43. g2g1,c6f3 | 44. a3a4,g5g4 | 45. g1f1,g7f6 |
| 46. f1e1,f6e5 | 47. d6d2,b2b4 | 48. d2a2,f7f5 | 49. a2a3,e5e4 | 50. e1d2,e6e5 |
| 51. h2h3,h6h5 | 52. h3g4,h5g4 | 53. a3e3,e4d4 | 54. e3a3,f3c6 | 55. a3d3,d4c4 |

|               |                 |               |               |                   |
|---------------|-----------------|---------------|---------------|-------------------|
| 56. d3d6,c6a4 | 57. d6f6,b4b2   | 58. d2c1,b2c2 | 59. c1b1,c2c3 | 60. b1b2,c3b3     |
| 61. b2a2,a4d7 | 62. f6d6,d7c8 6 | 3. d6c6,c8b7  | 64. c6e6,e5e4 | 65. e6e7,b7d5     |
| 66. e7e5,b3f3 | 67. a2b2,e4e3   | 68. b2c2,d5e4 | 69. c2d1,f3g3 | 70. e5e4,f5e4     |
| 71. d1e2,g3f3 | 72. e2d1,f3f2   | 73. d1c1,g4g3 | 74. c1d1,g3g2 | 75. d1c1,g2g1 0-1 |

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