

9 STATE OF THE ART · Checkers: SOLVED! • 1950: First computer player. • 1994: First computer

8-piece endgame

· 2007: Checkers solved!

champion: Chinook ended 40-EXPERT . year-reign of human champion Marion Tinsley using complete Checkers Image is from slides created by Dan Klein and Pieter Abbeel for CS188 Intro to AI at UC Berkeley. All CS188 materials are available at http://ai.berkeley.edu.

STATE OF THE ART · Chess: SOLVED! • 1997: Deep Blue defeats human champion Gary Kasparov in a six-game match. Deep Blue examined 200M EXPERT positions per second, used very sophisticated evaluation and undisclosed methods for extending some lines of search up to 40 ply. Current programs are even better, if ABRICK less historic. Checkers Chess Image is from slides created by Dan Klein and Pieter Abbeel for CS188 Intro to All at UC Berkeley. All CS188 materials are available at http://ai.berkeley.edu.

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• Go:

- 2016: AlphaGo beat Lee Sedol in landmark match. In go, b > 300! Classic programs use pattern knowledge bases, but big recent advances use Monte Carlo (randomized) expansion methods with deep learning.
- 2017: AlphaGo Zero beats AlphaGo

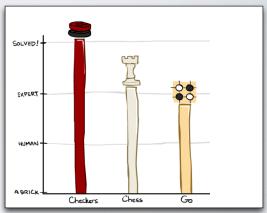


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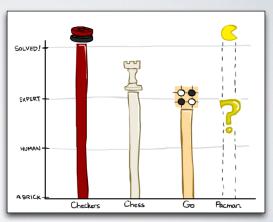


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