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The rules of Texas Hold'em

- Limited betting e.g. \$10/\$20
- First two rounds (preflop and flop) betting in increments of small bet

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 Last two rounds (turn and river) betting in increments of big bet

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14 **Case-base Construction** ~20,000 hands from University of Alberta poker-bots Bots were result of intensive KE process Profitable against human competition Casper reuses recorded instances Therefore, bypasses intensive KE effort

- Retrieval uses a simple k-NN algorithm
- Case reuse is by proportional

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- Ongoing PhD project
- Will improve the bidding system
- Will develop an opponent modelling system

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Plan to compete in the 2010 AAAI poker competition



