Kugutsu

Go programs grew stronger in leaps by Monte Carlo Tree Search (MCTS) and by Deep Convolutional Neural Network (DCNN). However, the use of these techniques make the details of the decision making process a blackbox, accessible only through indirect inference on the weighting, training data, etc.

Because of this lack of direct accessibility to the decision-making process, the Al's based on MCTS and/or DCNN cannot be used on mission-critical purposes for their inability to 'guarantee' that a same mistake will not be made again.

In other words, when such AI makes a wrong decision, debugging or improvement process on the AI is just a guesswork to reduce the possibility of the same mistakes. Recent developments in the strength of these Go AI's are mostly based on huge computing resources on this improvement process.

Kugutsu, originally based on GNUGo, has been in development for a long time without the use of MCTS or DCNN. Because it does not take these easy ways out, the level of strength is not up to par with the modern bots, but instead shows what can be done with the good old IF-THEN-ELSE logic, without the use of remote host.