

6.172 Final Project

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Openbook!

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- * Consider the first 5 rounds of game.

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Hits 2/3 of the games with only 782 records!

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If the bots use default timing strategy:

- * Hitting 5 rounds: 20s advantage in Regular, 8s advantage in Blitz.
- * Hitting 10 rounds: 38s advantage in Regular, 15s advantage in Blitz.

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- * 150+ CPUs in Microsoft Azure.
- * 15000+ CPU Hours in total.

Calculating Openbook

Screenshot of our web server:

6172 Final Project

Below is current progress.

Depth	Total	Calculating	Completed
9	153857	28	49144
10	64502	290	54012
11	1553	13	1540

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Experiments shows both explanations are correct.

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Steady increase in winrate!

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Together with boosted openbook: 69% winrate against ReferencePlus!

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- * Almost always hits the first 5 rounds.
- * With a good probability, hits 7 or 8 rounds.
- * Can sometime even reach 10 rounds or more.

Boosting Openbook

remember to add in final result against refplus..