

1/27 Milestone Report - HearthNash

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Major Changes

There have been no major changes in the goals or implementation of our project since the last milestone report.

What You Have Accomplished Since Your Last Meeting

Since the last meeting, I implemented the $n \times m$ game solver, and integrated it into the match tree structure in order to determine optimal strategies and compute corresponding expected values where necessary. I also implemented a randomized optimal strategy test function, and ran it on several sample match trees to confirm that the solver is (likely) working correctly. In addition, I completed the vertex classes for protects and bans, completing the necessary tree structure for any basic match format.

Meeting Your Milestone

We met all of our milestone goals for this week, which included implementing the $n \times m$ game solver, integrating it into the match tree structure, and then verifying its correctness.

Surprises

There have been no major surprises in our project since the last meeting.

Looking Ahead

Over the next two weeks, we plan to continue with our projected milestone goals. Specifically, this means to design and implement a measurement scheme for one desirable quality, and then use this scheme to collect a small dataset on at least 2 different formats.

Revisions to Your Future Milestones

We are not revising any of our upcoming milestone goals.

Resources Needed

We do not require any additional resources to complete this project.