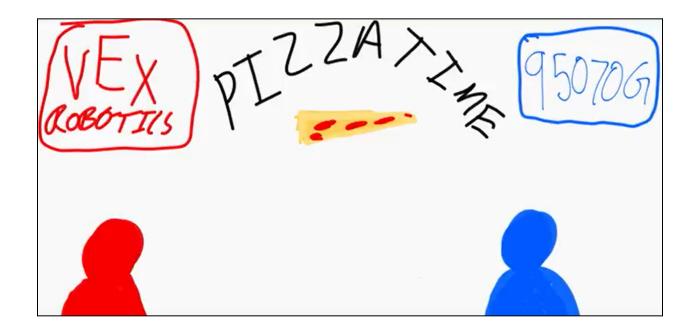
TEAM 95070G, REDWOOD ROBOTICS, SARATOGA, CA PRESENTS:

The 2023 Pizzathon

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Introduction

Pizza companies are failing to make money, and there is no single pizza place that can do everything a pizza place should be able to do.

Objectives and Rules

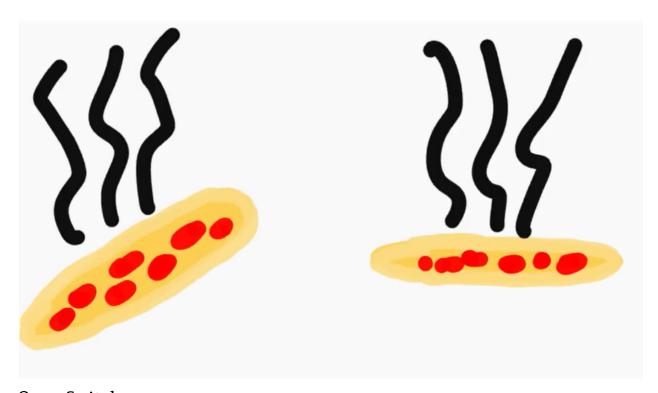
To combat this problem, pizza diners are joining hands with each other in groups of two. With two diners, the pizza places can do everything it should be able to. The objective of the game is to make more money than the opposing pizza alliance.

Rules:

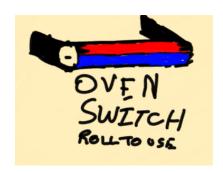
- For the first fifteen seconds, the robots/pizza makers will be autonomous for 15 seconds
- After that, they have 2 minutes to make as much money possible
- \$10 for each roller/oven switch on respective color
- \$5 for each pizza in the high goal/upper oven
- \$1 for each pizza in the low goal/lower oven
- In the last 10 seconds, \$3 are given for each kitchen tile the robot/pizza maker is touching after the end of the game

The Game Elements

Pepperoni Pizzas:



Oven Switches:

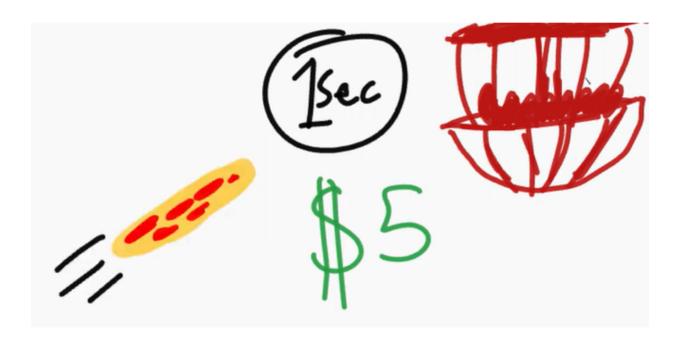




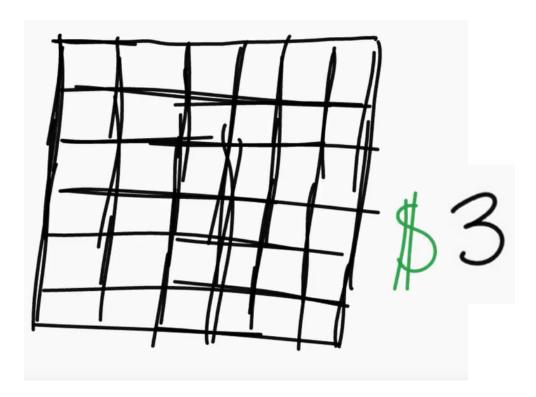
Lower Oven:



Upper Oven:



Kitchen Tiles:



The Story

The 2 major pizza alliances, Pizza Hat and Pizza Cube, have been tied at first place for best pizzeria for 12 years! The companies knew that being tied wasn't going to work anymore. What they needed was a showdown.

One day, the owner of Pizza Hat Alliance had just come back to his hotel room to take a nap. But instead, he got some mail! He tore it open and took a look at the letter. The owner of the Pizza Cube Alliance was in Saratoga with him!

The time was just right. The owners of both Pizza Hat and Pizza Cube were both in Saratoga. The pizzathon of the 2022-23 year could begin. The very next day, the sun rose as the two entrepreneurs got to work getting a robotics team. James and John brought their best cooks to teach the robot the best ways to cook. They started planning and building the robots. Once the robot was complete, they put the code into its brain. The day was just one day away.

When the competition day arrived, there were many people at Redwood Middle School, as they decided to use Redwood Middle School to host the tournament. The kitchen was set up and ready for the robo-cooks to make some pizzas.

There were news camera's recording the match, so the people at home could watch. Flags were made for the teams representing the team. But first, they sent their robots to inspection, just as the mayor had asked them to do in the letter. Both robots completed inspection.

The competition was about to start, but there was a problem. Because of all the people watching at their homes and all the WiFi was slow. It would take 15 seconds into playing time! The good thing was that robots had a special mode that let them work autonomously, just in case anything went haywire.

After the first 15 seconds, the controllers were reconnected and the match could continue. The match was close, because every time a pizza was shot into a high or low oven, the other team would immediately match that. It all came down to the end, the last 10 seconds. It was time to spread all over the kitchen floor. Strategy here was the most important. Who was smart enough to cover the most kitchen tiles and hinder the other team's chance to cover them. With 5 seconds remaining, Pizza Cube used an ingenious strategy and both robots surrounded one of Pizza Hat's bots to hinder its expansion and expanded on their own. Just due to this action, Pizza Cube finally prevailed against Pizza Hat and became the best pizzeria after 12 years. The match's final score was \$120-\$144, with Pizza Cube having the latter score. The greatest pizzeria will always be...

...Pizza Cube!!!

The Storyboard

