

2024 Spring Season - VEX Worlds



**99484A**

**DOXA Robotics**

Autonomous route  
brochure

Not to us, LORD, not to us  
but to your name be the glory,  
because of your love and faithfulness.

Psalm 115:1 (NIV)



# Introduction

## Overview

Our team has created six routes over the course of a month or so, listed on this paper (double-sided): four offensive routes and two defensive routes. *This includes a six-ball offense and two rushes.*

## Terminology

Our team uses the terms “defense” and “offense” to categorize routes in this year’s game. “Defense” means near where the team stands, and “offense” refers to the far side.

## Symbols



Indicates that a route does not attempt to interfere with the neutral zone.



Indicates that a route fulfils the AWP requirements listed.



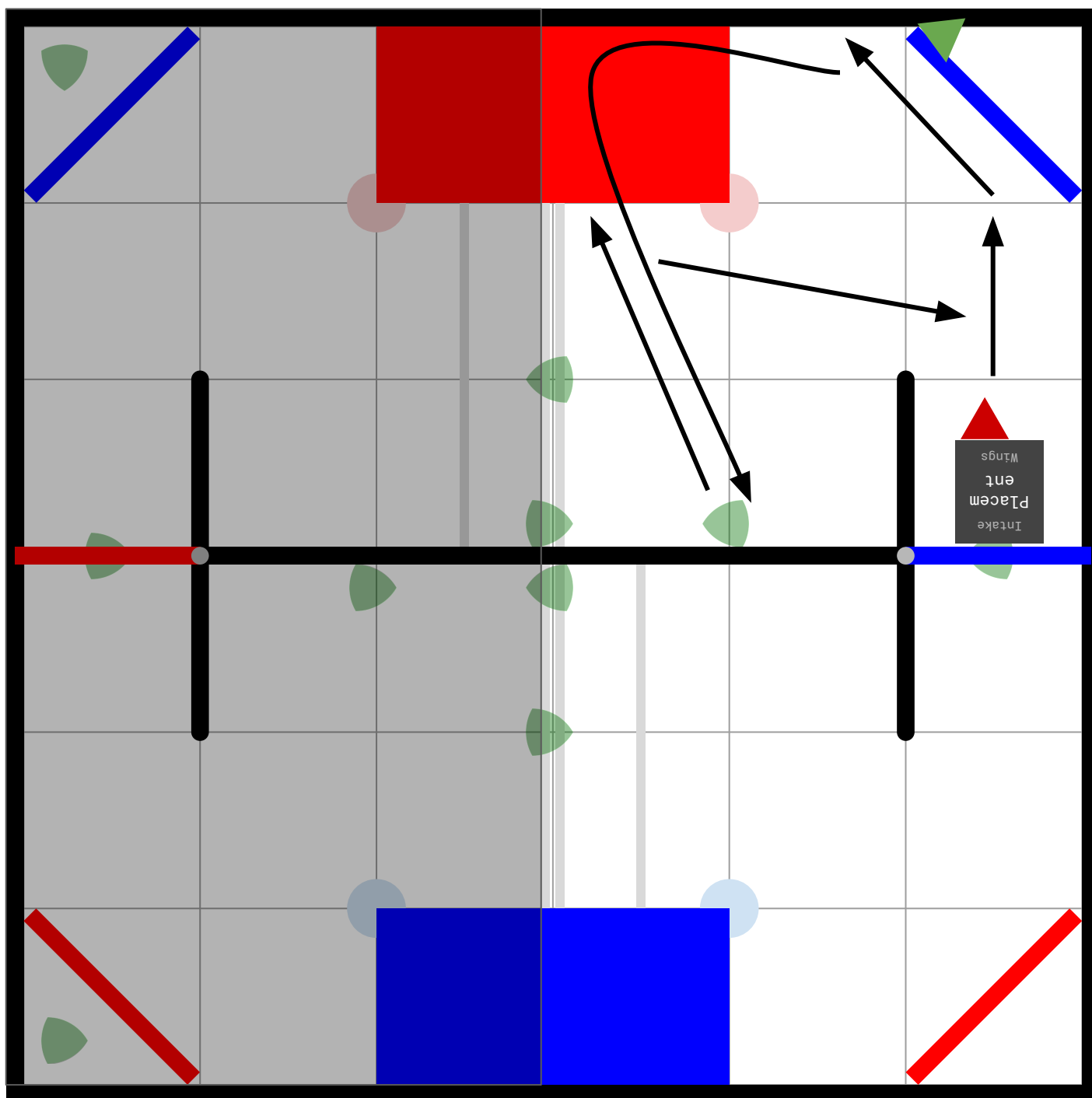
Indicates that a route goes to the center triballs at the beginning of the match.

4

# Safe (0)

A diagram consisting of two stacked rounded rectangles. The top rectangle is light blue and contains the text "AWP" in bold black font, with "Goal | Touch" in a smaller black font below it. The bottom rectangle is light orange and contains the word "Safe" in bold black font.

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## Setup instructions

Almost touching elevation bar triball, using metal setup tool. The preload should be touching the back right side. Match load triball near goal.

# Triballs

Four triballs scored, including preload.

# AWP

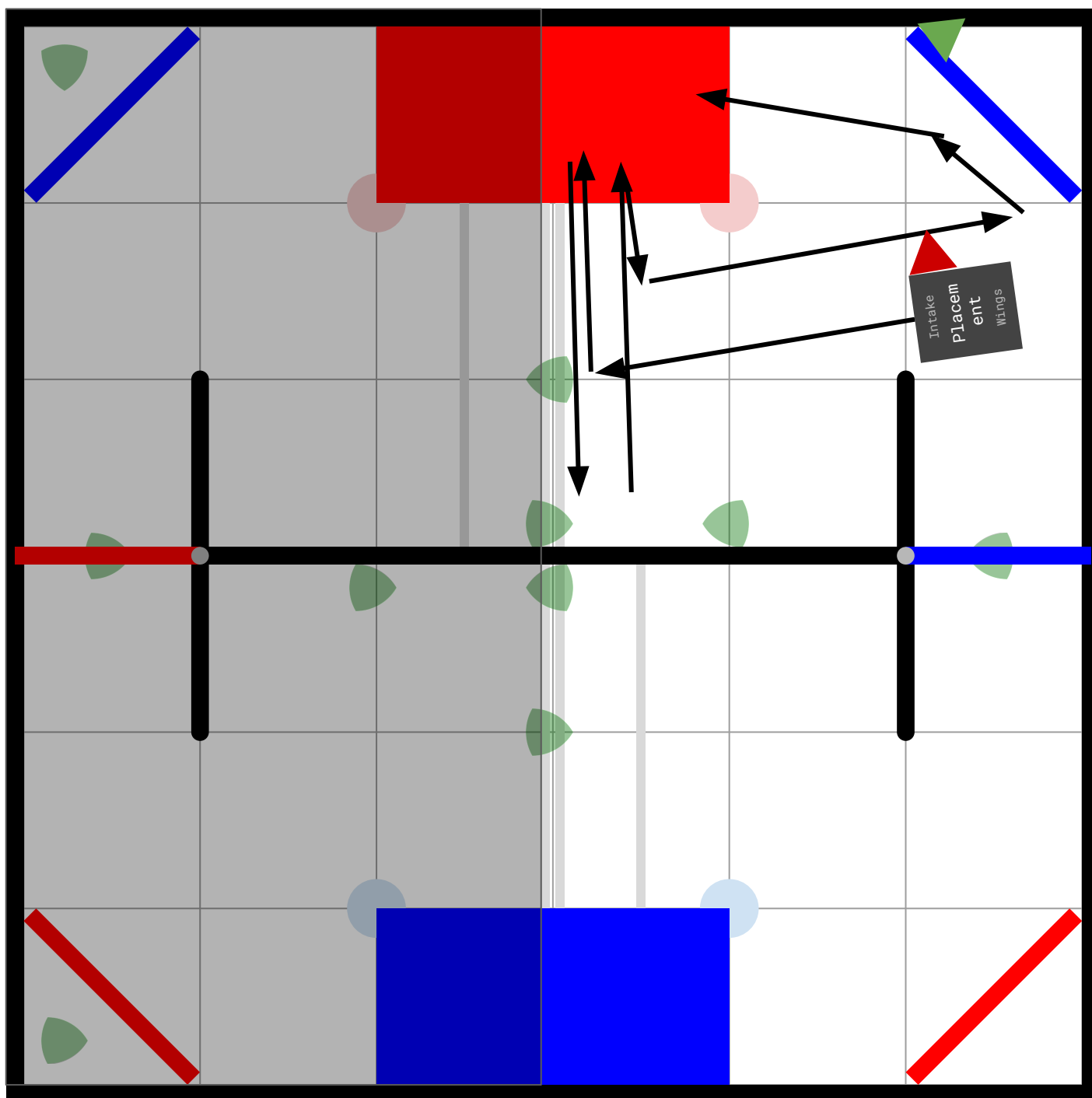
## Alliance triball in alliance goal, elevation bar touch

4

# Rush (0)

A diagram consisting of two stacked rounded rectangles. The top rectangle is light blue and contains the text "AWP" in bold black font, with "Goal" in a smaller black font below it. The bottom rectangle is light yellow and contains the text "Rush" in bold black font.

A diagram consisting of two stacked rounded rectangles. The top rectangle is light blue and contains the text "AWP" in bold black font, with "Goal" in a smaller black font below it. The bottom rectangle is light yellow and contains the text "Rush" in bold black font.



## Setup instructions

Use placement tool. The preload is touching the right front side.

# Triballs

Four triballs scored, including preload.

# AWP

## Alliance triball in alliance goal



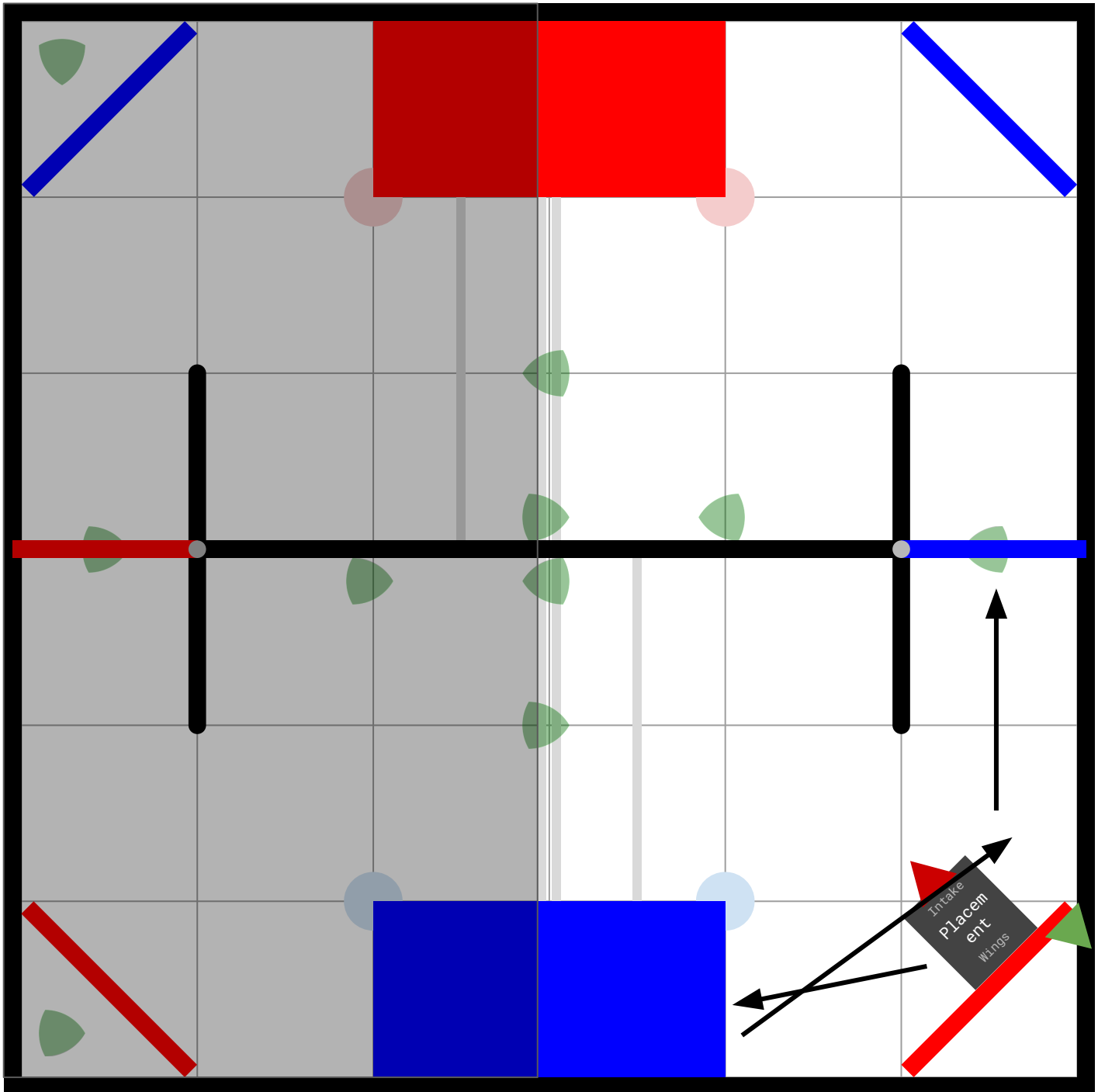


1

# Safe (D)

AWP  
Descore | Touch

Safe



## Setup instructions

Barely not touching the match load bar; barely not touching edge of tile, preload in claw. Match load triball away from goal.

## Triballs

One triball scored (preload)

## AWP

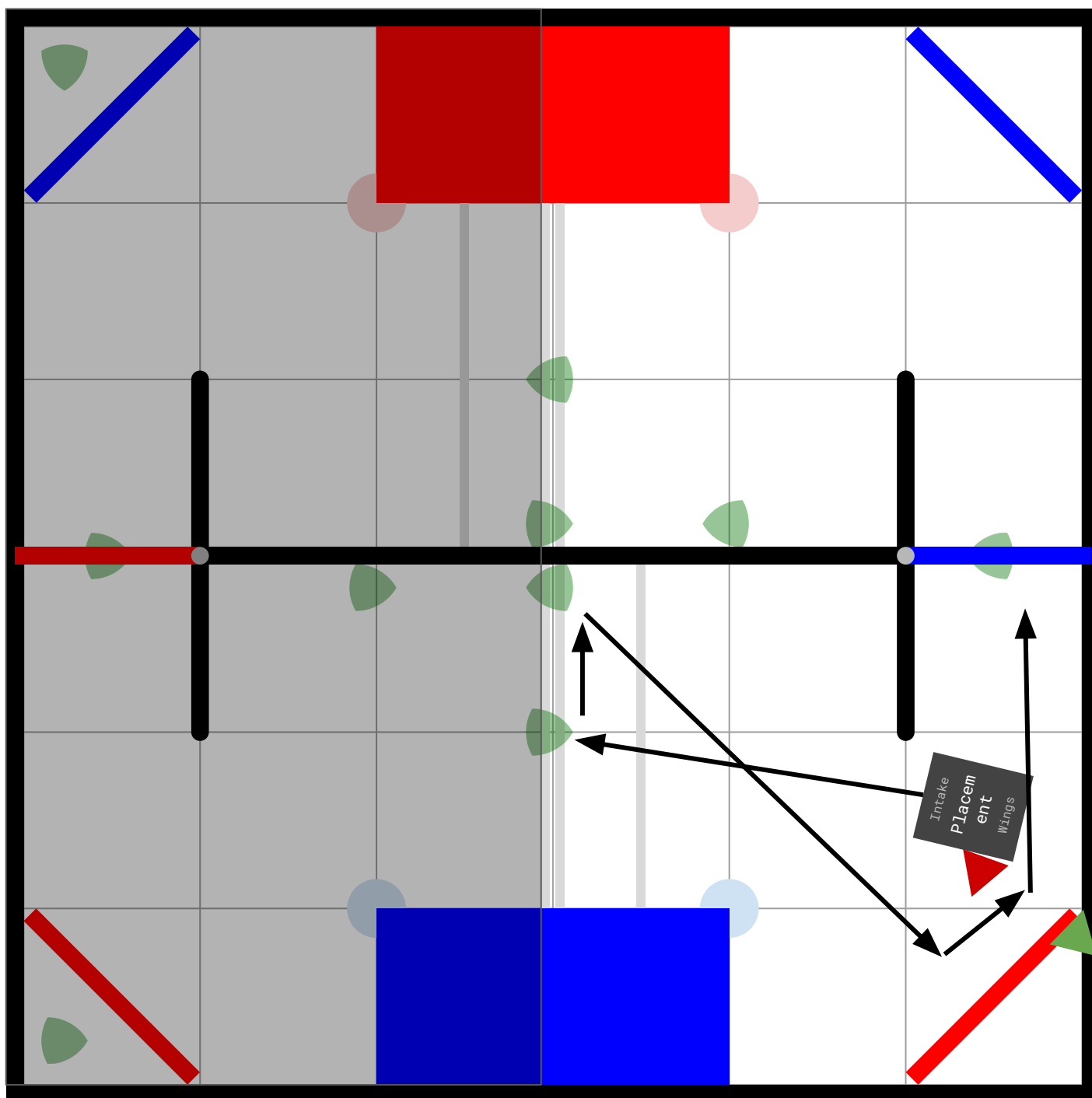
Descore match load zone, bar touch

1

# Disrupt (D)

AWP  
Goal

Rush



## Setup instructions

Using the inverted setup tool, aim for the middle triball. Preload should be at the end of the left wing. Match load zone triball away from goal.

## Triballs

One triball scored (preload)

## AWP

Descore match load zone, bar touch