

## Elevate

Version 3:

Elevate on the horizontal bar: B Tier

Elevate on the long barrier bar: A Tier

On the one hand, the Elevate Tier is not enough, many teams can catch the C Tier. On the other hand, both 2 ways to elevate takes too much time and is not stable. — Martin

Version 3:

Gear ratio: 84 : 36 : 24 : 36 : 24 : 36 : 84

$$600 \frac{\text{rev}}{\text{min}} \times \frac{36 \text{ teeth}}{84 \text{ teeth}} = 257.14 \frac{\text{rev}}{\text{min}}$$

## Chassis

Our rotate speed is 257.14 rpm, in the confrontation, the efficient is not high enough. The major task is to clear all the triball on the field and cancel the Load triballs. It needs a higher speed to cross 2 zones. — Kevin

## Program

Version 3:

Left Autonomous programme:

Give the priority to the AWP point

replace the Triball hardly success, and when the robot come back, the task to get the Triball in the preload zone is hard to achieve

We need cancel the Triball in the Load Zone first.

get this out

project

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1.0.2.9