Strategies

Now we have several strategies, and if anyone has other ideas ,**YOU CAN EDIT THIS FILE** :

1. Strategy: **High Speed and Agility**

- Pros: The robot moves quickly and can easily navigate obstacles.

- Cons: There is a risk of the robot going off track or losing control.

2. Strategy: **Defensive Stance**

- Pros: The robot moves cautiously ,slow and is less likely to be attacked from behind.

- Cons: The opponent can still find a way to attack the robot, and the robot may not be able to respond quickly.

3. Strategy**: Stationary with Detection**

- Pros: The robot starts from a specific point and can carefully detect the opponent's movements.

- Cons: The robot may have a slower response time when interacting with the opponent.

4. Strategy: **Side Attacks**

- Pros: The robot focuses on attacking the opponent from the side.

- Cons: The robot may be vulnerable to attacks from the opponent's front or back.

5. Strategy: **Back Attacks**

- Pros: The robot focuses on attacking the opponent from behind.

- Cons: The robot may be susceptible to attacks from the opponent's front or sides.

6. Strategy: **Spinning Defense**

- Pros: The robot spins around itself, making it difficult for opponents to approach.

- Cons: The robot cannot see the opponent while spinning, which may limit its ability to detect and respond to attacks.

In addition, it is possible to combine two strategies:

-Using 6 & 1

-lifting can be added to all strategies.

Sources

- https://youtu.be/rthMiqFCiBA
- https://projecthub.arduino.cc/AhmedAzouz/how-to-make-arduino-sumo-robot-afb0d8

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