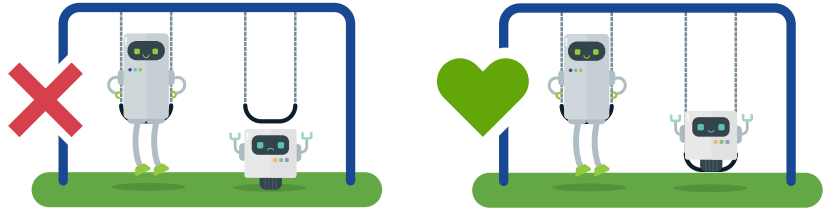


# Robot Playground: The Unfair Decision Tree

Can Root navigate the entire tree only by making good choices?



## Materials

- Reference Map
- Soup cans or other small, heavy obstacles for Root to bump into
- Printed Decision and Choice Cards
- Root Robot
- iRobot Coding platform

## Building Your Gameboard

- 1) Use the Reference Map of Root's Playground (see next page) to create your gameboard on a wide, smooth surface.
- 2) Place your soup cans, or other small, heavy obstacles, at Root's decision points.
- 3) Download and Open the Root's Playground Program "**5LPNC**"
- 4) Connect to your Root Robot and place it at the starting line.

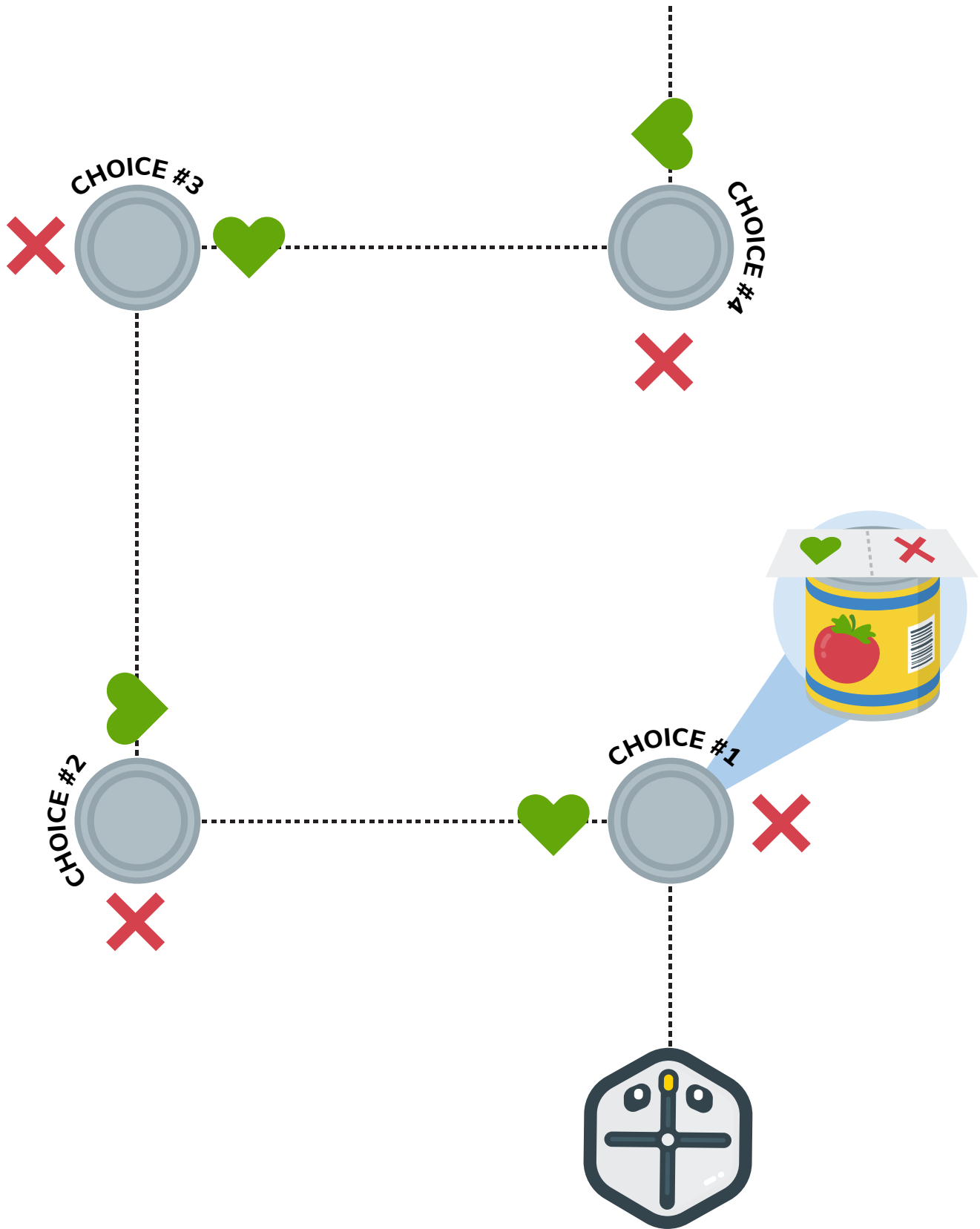
## Playing the Game

- 1) When Root is at the starting line, press Play. Root will drive forward until it bumps into one of your decision obstacles.
- 2) When Root bumps into an obstacle, it will randomly turn towards the good or bad choice. If Root turns toward a good choice, let Root keep going! If Root turns toward a bad choice, stop your program and place Root back on the starting line. If you are playing with multiple players, switch turns.
- 3) The first player to run Root through the Decision Tree without making a bad choice wins!

Are you tired of letting a robot make a bunch of bad decisions? Use the **iRobot Coding Platform** to code Root's path around the Decision Tree, making good choices and avoiding bad ones!

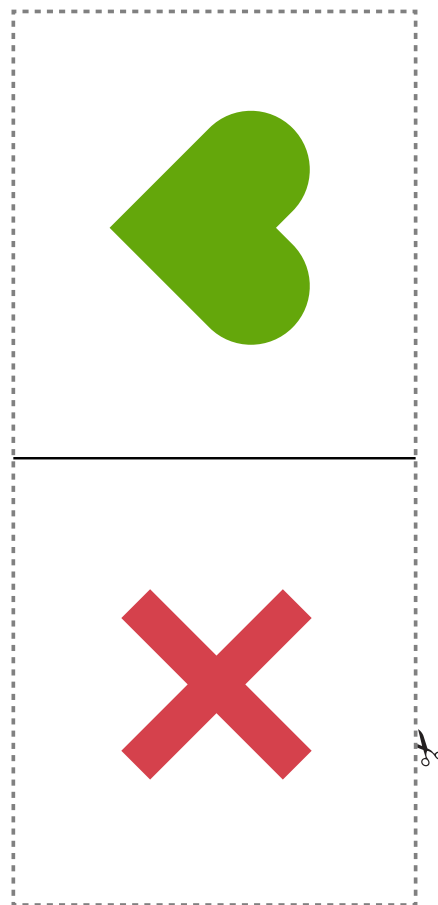
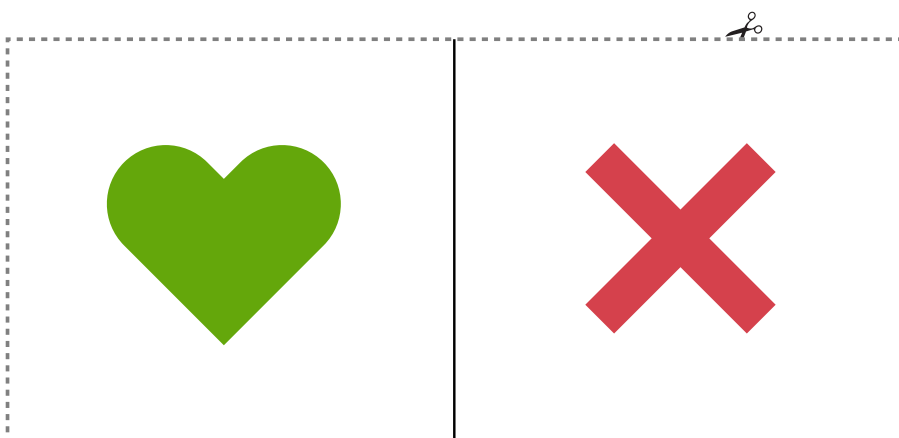
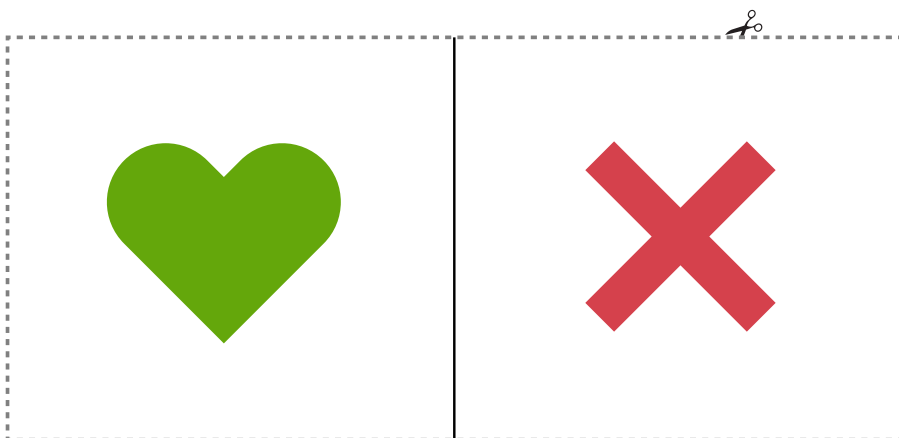
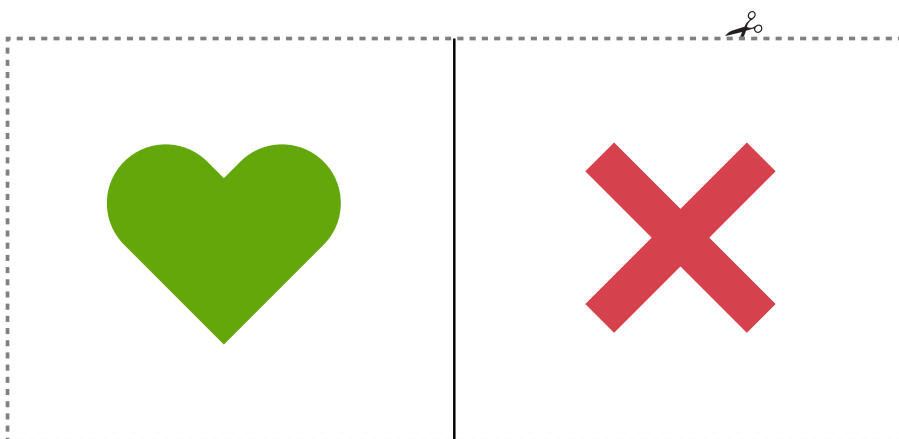
## Reference Map of Root's Playground

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## Choice Cards

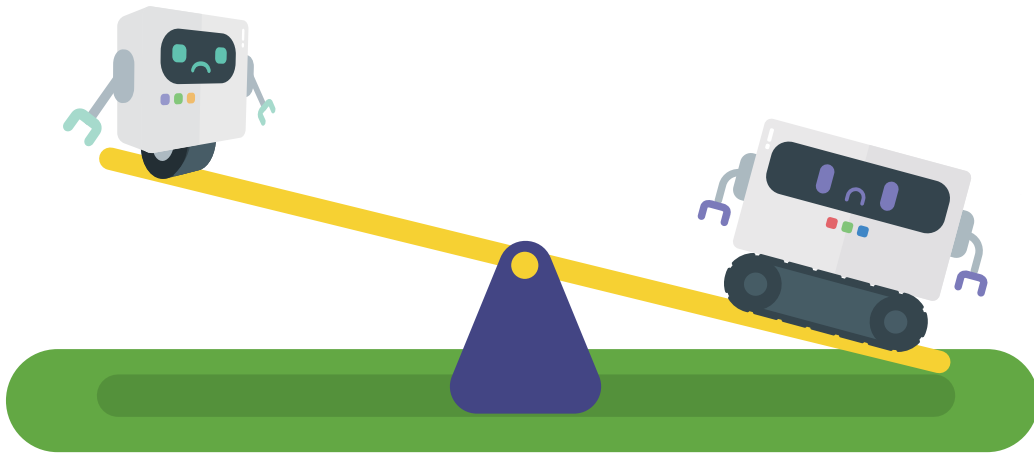
Remember to be careful when using scissors!



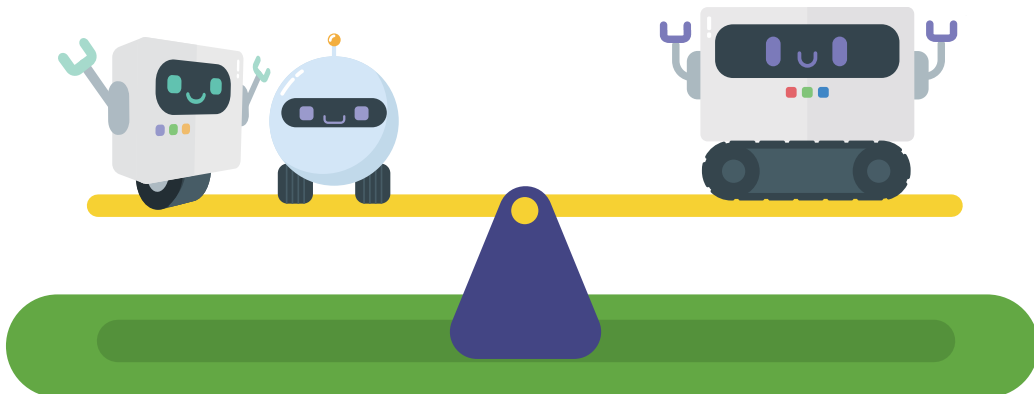
## Decision Cards

Remember to be careful when using scissors!

### Decision #1



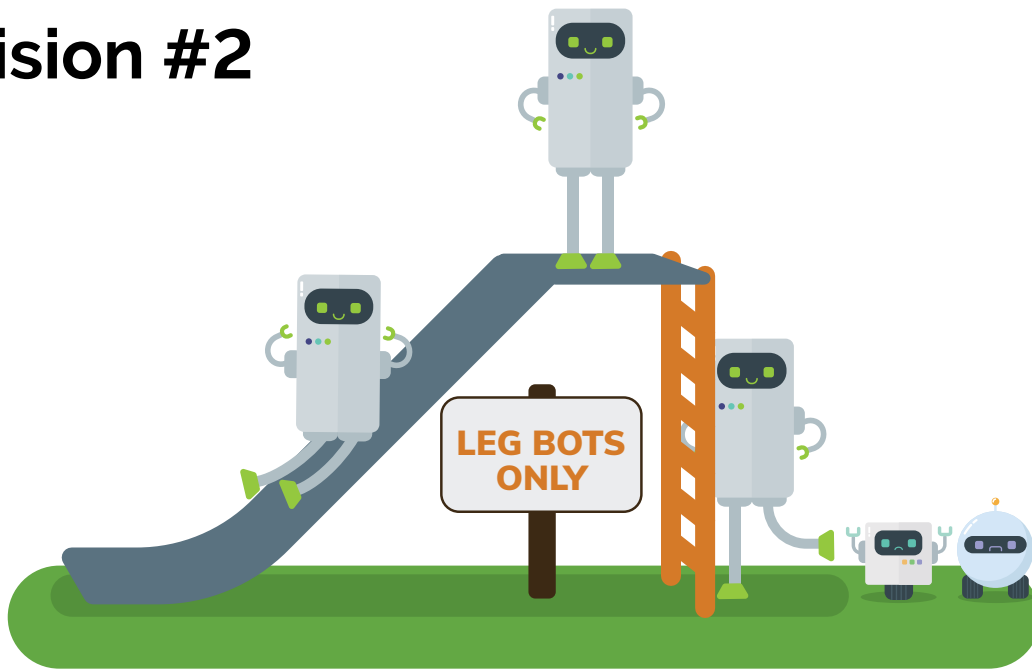
### Decision #1



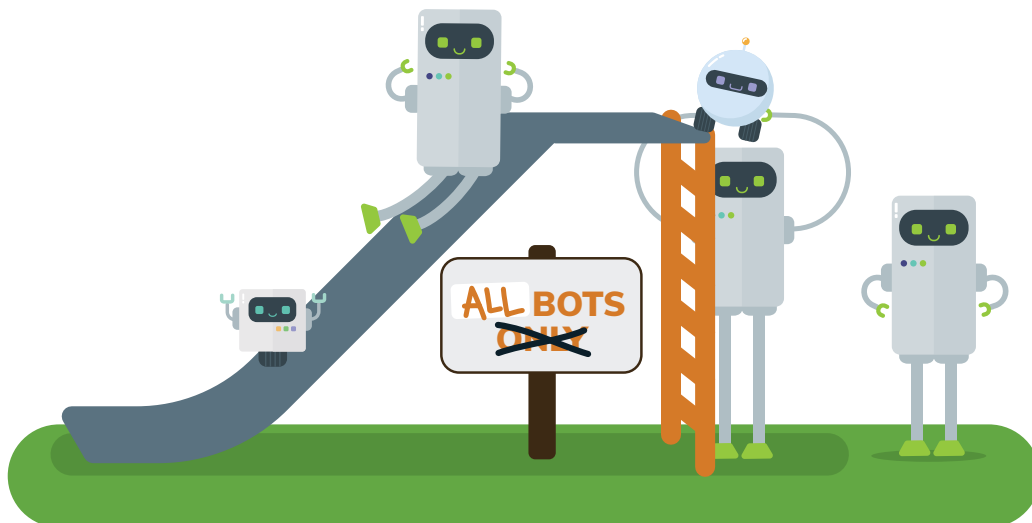
## Decision Cards

Remember to be careful when using scissors!

### Decision #2



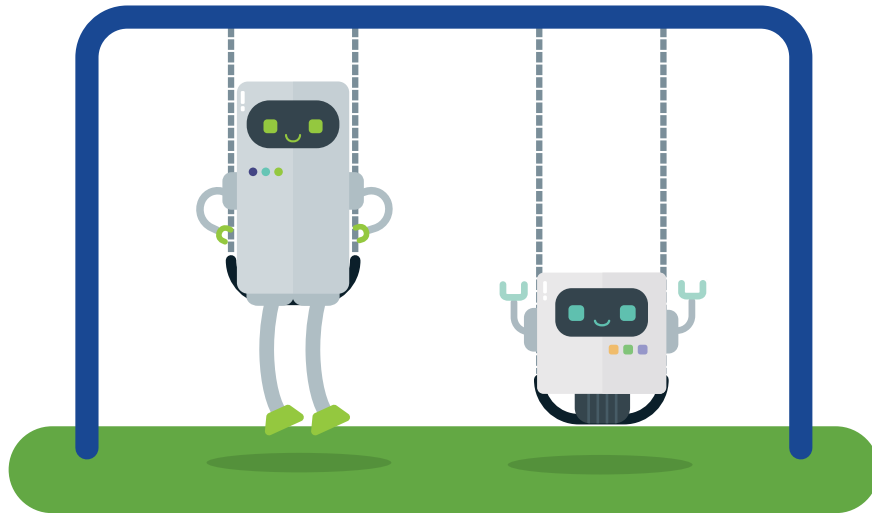
### Decision #2



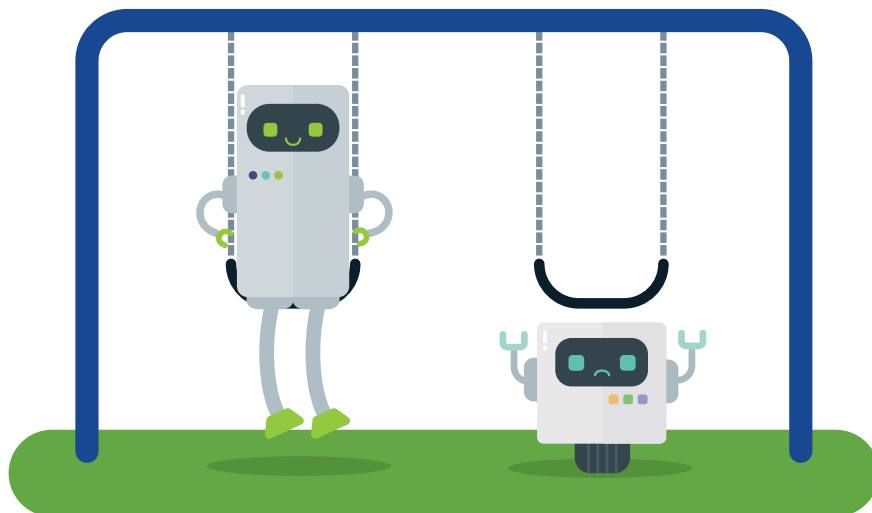
## Decision Cards

Remember to be careful when using scissors!

### Decision #3



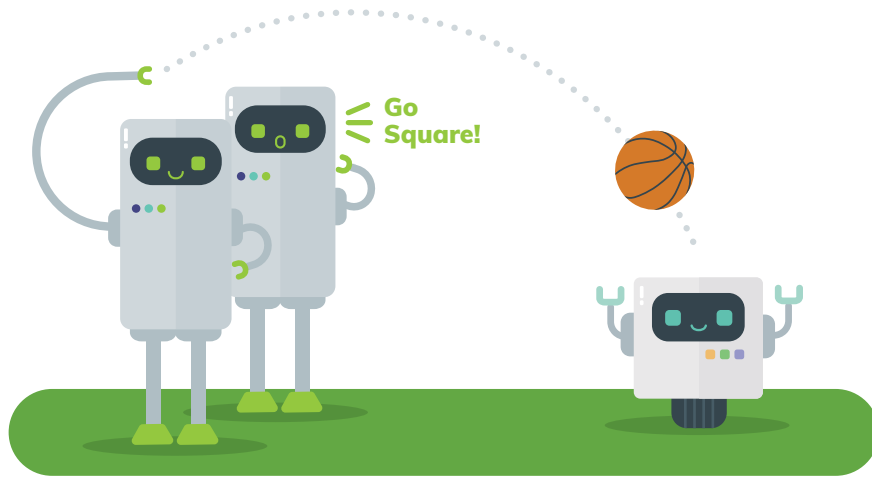
### Decision #3



## Decision Cards

Remember to be careful when using scissors!

### Decision #4



### Decision #4

