

WELCOME TO

VEX IQ[®]
ROBOTICS

MASTERS

```
button L Up pressed
```

```
forward
```

```
button L Down pressed
```

```
reverse
```

```
button L Down released
```

```
when started  
set arm velocity to 100 %  
set intake velocity to 100 %  
set arm stopping to hold  
set intake stopping to hold
```

```
when Controller axis D is changed  
set arm velocity to Controller axis D  
spin arm forward
```

The Power of CODE

Driver Control

Programming Skills



Controller

Select buttons to set



L3 / R3 available on IQ Controller (2nd)

DELETE

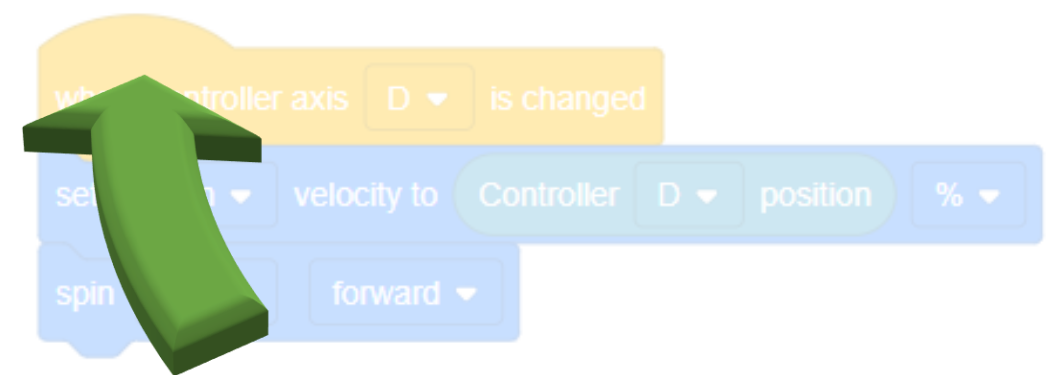
CANCEL

Let's code programming skills!



Fix it

Strategize

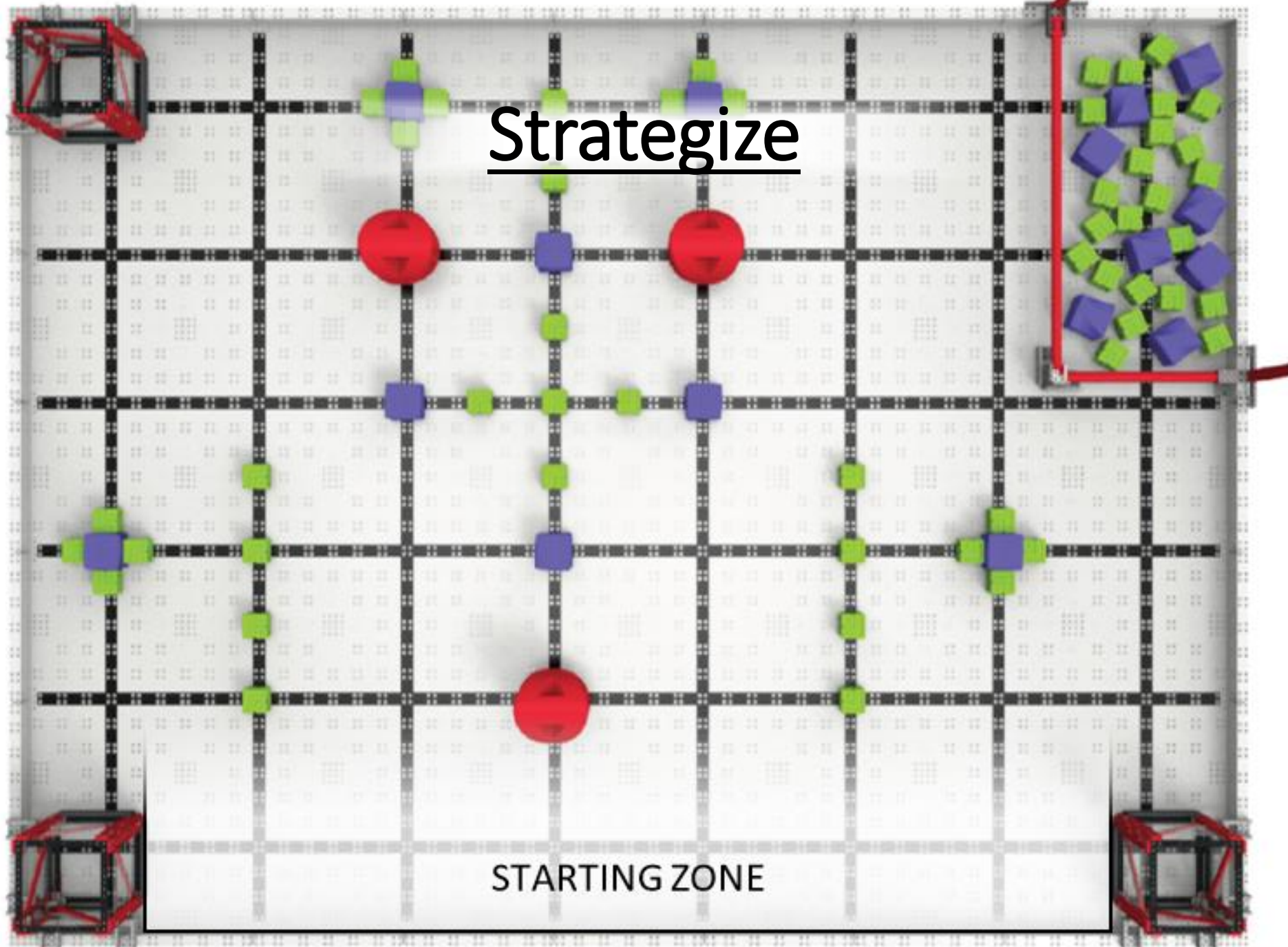


Test

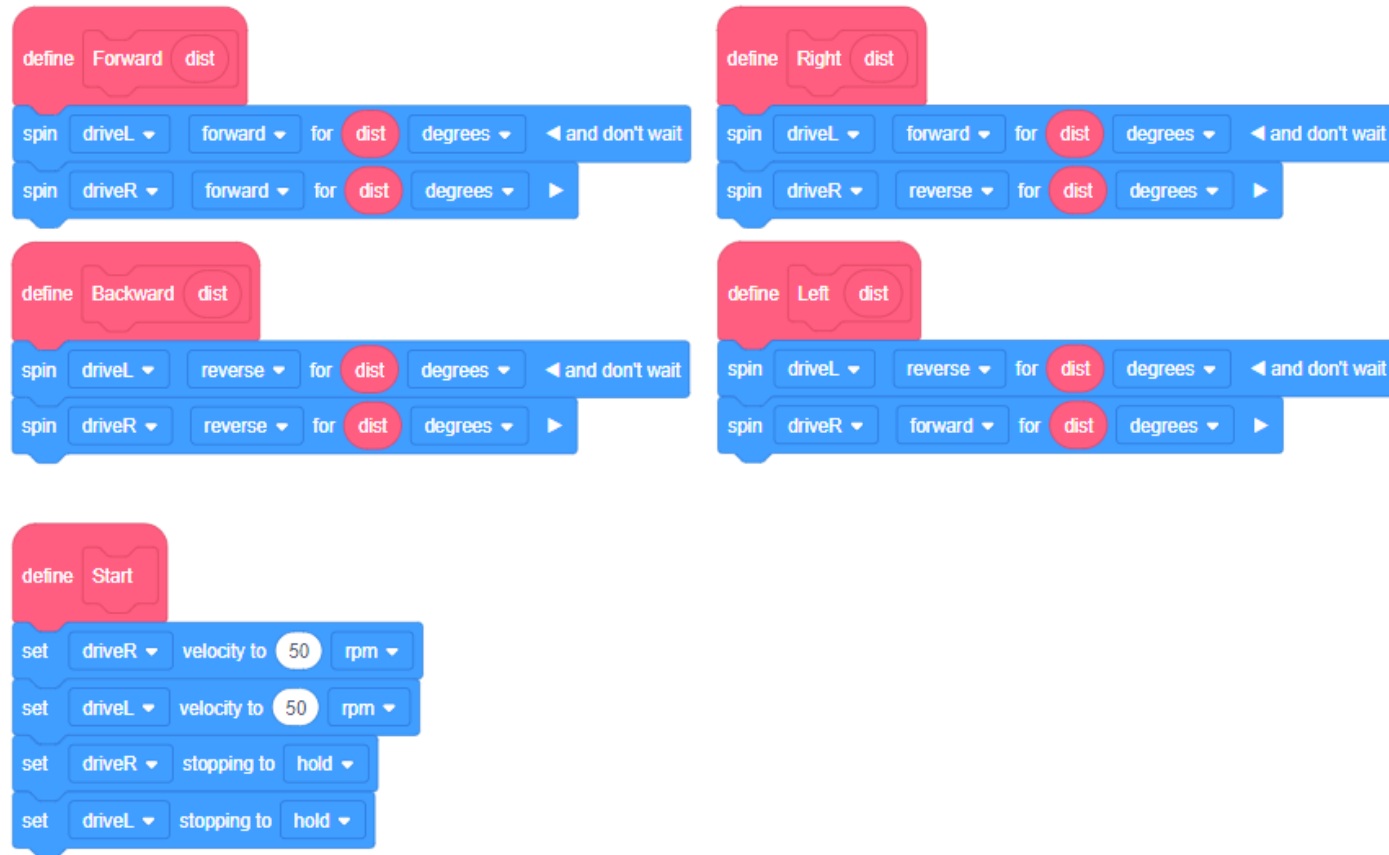


Code

Strategize



Coding: the power of functions



```
button L Up pressed
```

```
forward
```

```
button L Down pressed
```

```
reverse
```

```
button L Down released
```

```
when started
```

```
set arm velocity to 100 %
```

```
set intake velocity to 100 %
```

```
set arm stopping to hold
```

```
set intake stopping to hold
```

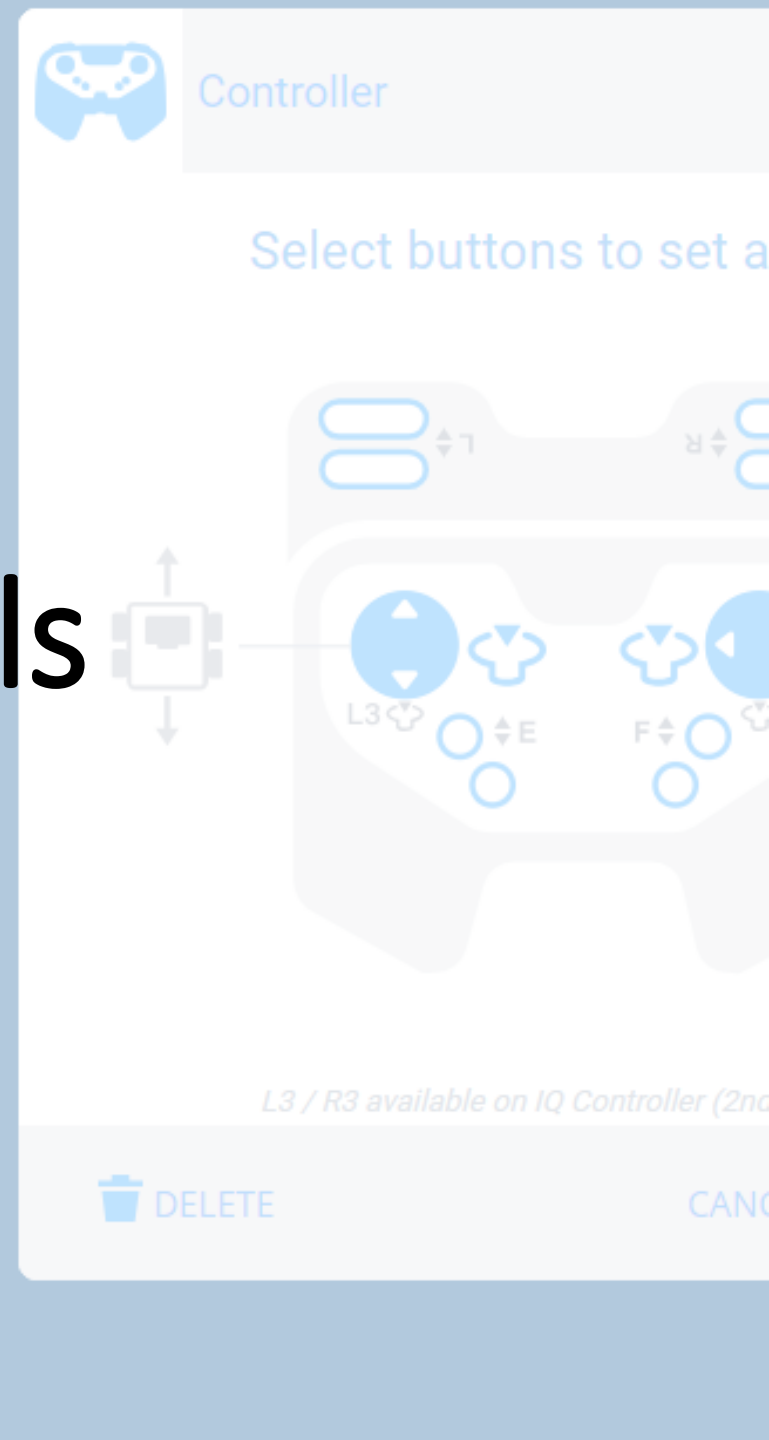
```
when Controller axis D is changed
```

```
set arm velocity to Controller D position %
```

```
spin arm forward
```

Coding Driver Skills

Using VEXcode



Coding Driver Skills

- Motor & motor group setup
- Controller setup
- Velocity & stopping mode
- Intake control
- Arm control (buttons)
- Arm control (presets)

