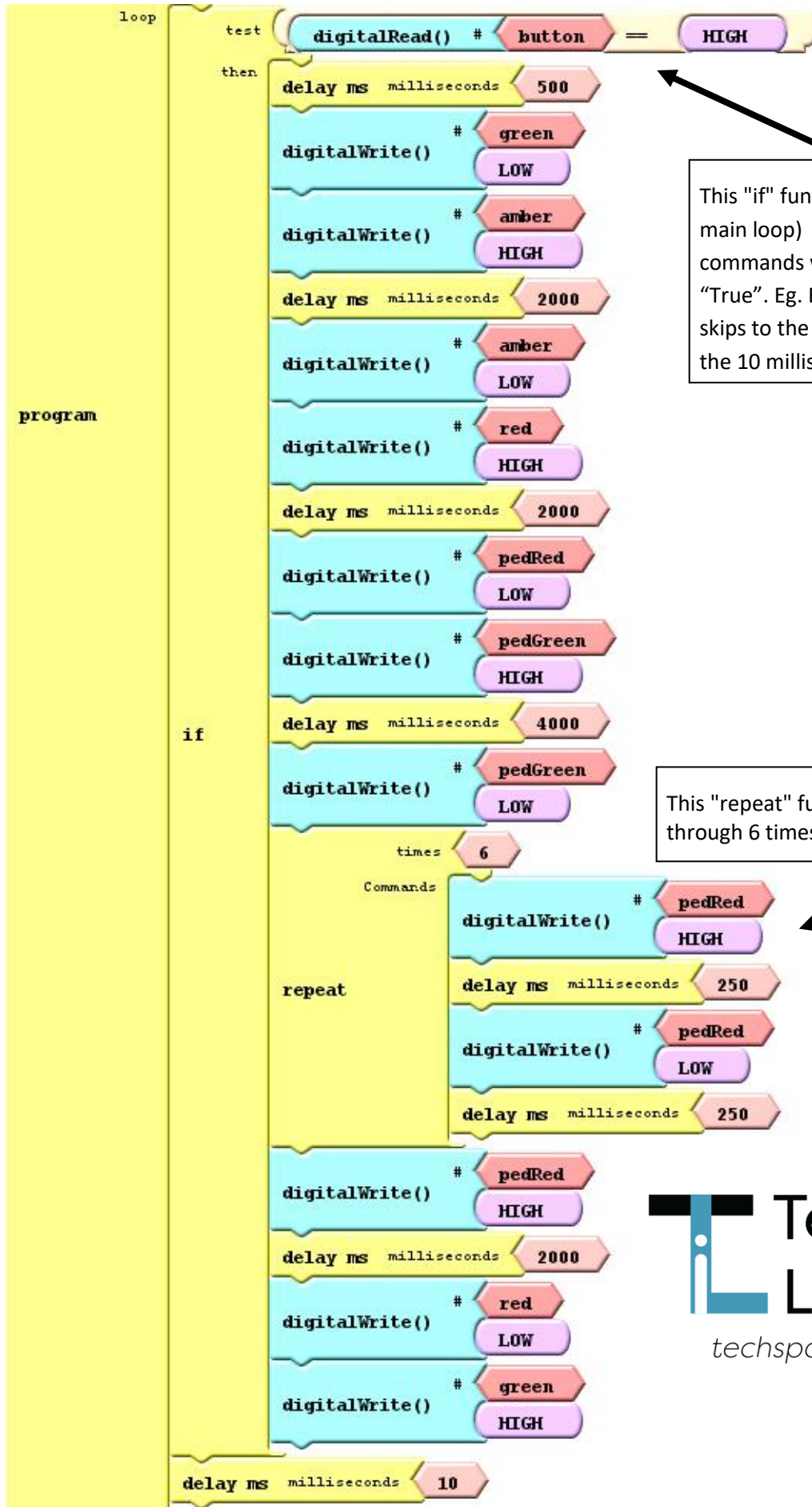


```
setup  
int = variable Red  
int = value 4  
int = variable Amber  
int = value 5  
int = variable Green  
int = value 6  
int = variable pedRed  
int = value 7  
int = variable pedGreen  
int = value 8  
int = variable button  
int = value 2  
digitalWrite() # green  
HIGH  
digitalWrite() # pedRed  
HIGH
```

The commands in "setup" will only happen once. So it is possible to put "digitalWrite" commands in the setup if the program has a "state" that it needs to start in. In this case, a green light for the traffic and a red light for the pedestrians.



This "if" function is a decision (within the main loop) that will only execute the commands within it IF the statement is "True". Eg. Button is HIGH. Otherwise it skips to the next command, in this case the 10 millisecond delay at the bottom.

This "repeat" function is a loop that will go through 6 times before it will go any further.