

## On the Subject of Color Flash

*It's easy to identify colors. Red, Blue, Green, etc. Turns out it's a bit harder when you display a word color in a different color though...*

- A color flash module will repeatedly flash a sequence of 8 different words representing colors in different colors.
- The possible colors are Red, Yellow, Green, Blue, Magenta and White.
- There is also a Yes button and a No button on the module.
- Only one of the Yes and No buttons need to be pressed to disarm the module, but must be pressed at the correct time according to the rules below.
- The color of the last word in the sequence determines which set of rules to follow below.
- Follow the rules down from the top-most rule, down to the bottom-most rule for the block that applies to your module.

○

<DISPLAY>

YES

NO

<b>Red</b>	
Green used at least 3 times.	Yes on 3rd <b>green</b> or Green.
<b>Word</b> once.	No on Magenta.
Yes on last White or <b>word</b> .	
<b>Yellow</b>	
<b>Blue</b> .	Yes on first <b>word</b> .
<b>White</b> or <b>White</b> .	Yes on 2nd time the color ≠ the word.
No based on how many <b>word</b> or Magenta there is.	
<b>Green.</b>	
Consecutive word in different colors.	No on 5th.
Magenta used at least 3 times.	No on 1st Yellow or <b>word</b> .
Yes when the color matches word.	
<b>Blue</b>	
Color ≠ word at least 3 times.	Yes on 1st time the color ≠ the word.
<b>Red</b> or <b>Yellow</b> .	No on <b>White</b> .
Yes on last Green or <b>word</b> .	

Continuation of previous table...

Magenta	
Consecutive color in different words.	Yes on 3rd.
Yellow > word.	No on last Yellow.
No on first time color matches word of 7th entry.	
White	
Color of the 3rd matches the word of the 4th or 5th.	No on first time Blue.
Yellow.	Yes on last word.
No on any.	