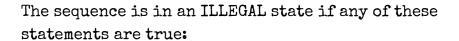# On the Subject of Decolour Flash

Normally I would spell the C word as color, but just for consistency's sake, I am forced to spell the C word as colour. I'm sorry.

The screen will flash a sequence twelve words in twelve colours. Only press YES if the sequence is in a LEGAL state. Only press NO if the sequence is in an ILLEGAL state. The module will automatically disarm after six NO presses.

The sequence is in an ILLEGAL state if any of these statements are true:

- There is GREEN word in a RED colour.
- There are more BLUE words than JADE colours.
- Any pair has complementary colours.
- Three words in a row contain a red component.
- Any pair in this sequence has existed in any past sequence, unless it has either an ORANGE word or colour.
- A prime number of pairs in this sequence have matching words and colours.
- A MAGENTA word is followed by a RED, GREEN, or BLUE, colour, or a MAGENTA colour is followed by a RED, GREEN, or BLUE word.
- Any three pairs in a row contain the same colour as its word or colour, unless this colour is not present anywhere in the previous sequence.
- Three colours in a row contain a green component.
- There are an equal amount of LIME words and AZURE colours.
- A YELLOW word has a VIOLET word before or after it in the sequence.
- A position in the sequence has an AZURE colour, unless this position in any past sequence did not have a YELLOW word.
- A CYAN word is not present in the sequence, unless the previous stage had an ORANGE colour.
- Four words in a row do not contain a blue component, or five colours in a row do not contain a blue component.
- There is a VIOLET word in either a JADE colour or ORANGE colour.
- An AZURE word is present in the first half of the sequence, unless a YELLOW colour is present in the second half of the sequence.
- There is exactly one LIME colour or word or exactly one ORANGE colour or word, but not both.
- The first word is equal to the last colour, or the first colour is equal to the last word, unless either of them are ROSE.

Colour Wheel