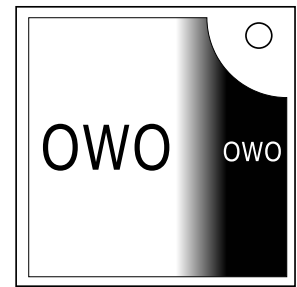# On the Subject of Popufur

Looks like man's best friend has become his worst enemy.

- On this module, there are two interactable patches of fur.
- The larger one is the primary fur color, while the smaller is the secondary fur color.
- They both have unique labels.
- To solve the module, input the correct response in binary using the two patches.

Identifying Fur Patterns

The fur patterns will be found in the table below. Use the primary color along the top and the secondary along the left.

	Black	Red	Green	Blue	Cyan	Magenta	Yellow	White
Black		TELEPHONE	3	9	8	4	5	MAVERICK
Red	4		7	ADLER	6	2	2	7
Green	7	5		3	3	3	8	3
Blue	4	4	0		0	6	0	5
Cyan	3	2	3	CHIP		3	5	5
Magenta	7	2	8	4	5		7	7
Yellow	1	7	3	1	2	0		8
White	5	MAJIRA	4	7	FLUKE	6	6	

If you get a number, this is your key number. Otherwise, for each letter of the word, count the number of occurrences of that letter in each indicator. Add all of those numbers together, then take the last digit. This is your key number.

Determining Patch Order

Using the text on your secondary fur patch on the left of the table below, determine which patch will be your 1 patch, and which will be your 0 patch. If the serial number contains any of the characters listed next to the word, your primary patch is the 1 patch and your secondary patch is the 0 patch. Otherwise, your primary patch is the 0 patch and your secondary patch is the 1 patch.

UWU	UVW
OWO	012
AWOO	ABC
RAWR	XYZ
MAWS	ESY
PAWS	NOU

Submission

Add one to your key number, then multiply by one more than the number of batteries. Convert this number to binary, then submit it. To submit, take the eight least significant bits of your submission and press the corresponding fur patch for each bit, in order, starting from the most significant bit.

*Note: the module will only submit after eight consecutive inputs. There is no way to reset the module once an input has been entered.