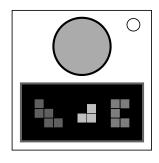
## On the Subject of The Blue Button

This is a button. It is blue.

<u>Stage 1:</u> Note the cyclic sequence C of polyominoes and their colors. Place them on a toroidal 6×4 grid Z such that same-color polyominoes do not touch orthogonally. Tap the button.



Stage 2: Find three consecutive polyominoes J, K, L in C whose colors occur consecutively in this cyclic sequence of N colors. Translate the color Q after the one corresponding to L to a permutation of suits P (table 1). Tap when Q is highlighted.

Stage 3: The absolute differences between each equation's true result and the one shown are N, D, X, M (in that order). Tap the button M times.

Stage 4: Press the button four times, with time intervals R, A, B between presses, to perform an action (table 2). Swap the suits such that diamonds is at position D and the remaining suits are in order P. Then convert the fillings, left to right, to numbers E, F, G, H (table 3). Submit to proceed to the next stage.

Stage 5: Find S, the Xth tile in K in reading order, within Z, and T, U, V, W, the next 4 tiles going right-from S. Move S, T, U and V down by E, F, G and H, respectively. Translate S, T, U, V, W to letters by noting which of their edges are edges of a polyomino (table 4). Use the underlined letter if a tile is part of a pentomino<sup>2</sup>. Enter the resulting word by tapping the button when the correct sections of the alphabet and individual letters are highlighted.

Hold the button to return to stage 1.

Q	P
blue	, <b>4 4 4</b>
green	<b>*</b> **
cyan	<b>*</b>
red	<b>7</b>
magenta	***
yellow	<b>*</b> A*

Table 1

	A < R	A > R	
B < R	swap 1 & 2	swap 2 & 3	
B > R	swap 3 & 4	submit	

Table 2

•			Ç
0	1	2	3

Table 3

<u>Z</u>	$\underline{M}$ $\underline{V}$	X	
$\underline{\mathtt{D}}\mathtt{Y}$	$\underline{N}$ L	<u>U</u> B	$\underline{K}J$
AR	¥ ,	<u>s</u> 0	<u>E</u> P
<u>C</u> F	TI	<u>H</u> G	$\underline{\mathbf{W}}$ Q

Table 4

<sup>&</sup>lt;sup>1</sup> The grid wraps around both horizontally and vertically.

<sup>&</sup>lt;sup>2</sup> A polyomino consisting of exactly 5 tiles.