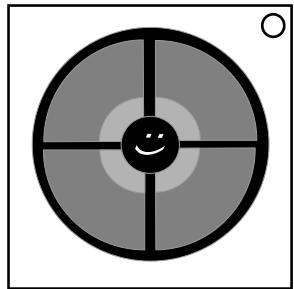


Simon Selects Binary Again

"I smile back, knowing that I can tell this to my grandkid."

On the module, there are ten buttons: eight of them colored red, orange, yellow, green, cyan, blue, purple and magenta, a center button, and a mute button. Random colors will flash, and every stage, another set of flashes will be added. There are three stages. For stages 2 and 3, only consider the flashes that were added to the sequence when determining what to modify to your last stage's answer. Each stage can flash the same color more than once.



To solve the module, press the correct set of buttons based on the flashes for each stage, then press the center button to submit the set for each stage.

Two of these...	Makes 1 of this.
2x Red	1x Orange
2x Orange	1x Yellow
2x Yellow	1x Green
2x Green	1x Cyan
2x Cyan	1x Blue
2x Blue	1x Purple
2x Purple	1x Magenta
2x Magenta	1x None

Color	Position in Binary
Red	2^0 (smallest)
Orange	2^1
Yellow	2^2
Green	2^3
Cyan	2^4
Blue	2^5
Purple	2^6
Magenta	2^7 (largest)

You can press a button after it has been selected to deselect it. Selecting a button makes a sound but deselecting does not. The mute button when pressed will restart the color sequence, but also mute all sounds until another press is made.

Simplify your flashes to get your current set for this stage, using the table on the left. Those will be referred to as "lit bits" for the next step.

Once you got the current set, start with the smallest "lit bit" in that set. The smallest "lit bit" is the top-most row on the table to the right that is lit on the module. If there are no "lit bits," press red, then the submit button, and then remember that set for the next stage. Otherwise, if the smallest "lit bit" is not magenta, go to the next bit and toggle that bit. The next bit in the set is the next row on the table to the right of this page. Toggle the next bit down the table until you have toggled magenta. That will be the starting set for the next stage if the set you submit is correct.

On the next 2 stages, use the set you got on the previous stage and modify your current set by repeating the 2 steps from above.

Examples of this procedure used on the previous page can be found on this page.

Example 1

Current Stage	Colors Flashed	Modified Color Sequence (Procedure)	Set To Input
1	GCP	GCP	GBM
2	OPY	OYGBPM	OC
3	MMOPP	OOCPPMM → OOCPP → YCPP → YCM	YGBP

Example 2

Current Stage	Colors Flashed	Modified Color Sequence (Procedure)	Set To Input
1	CORR	RROC → OOC → YC	YGBP
2	PMCYO	OYYGCBPPMM → OYYGCBPP → OYYGCBM → OGGCBM → OCCBM → OBBM → OPM	OYGCB
3	ORR	RROOYGCB → OOOYGCB → OYYGCB → OGGCB → OCCB → OBB → OP	OYGCBM

Example 3

Current Stage	Colors Flashed	Modified Color Sequence (Procedure)	Set To Input
1	BBB	BBB → BP	BM
2	CRRG	RRGCBM → OGCBM	OYP
3	RRBRR	RRRROYBP → OOOYBP → OYYBP → OGBP	OYCM