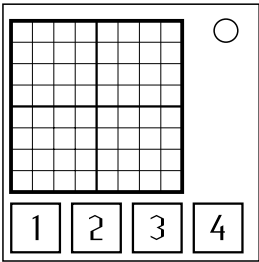


On the Subject of Bitmaps

Over 18 quintillion combinations, only some of them actually matter.

- Have the defuser count the number of light pixels (called "white") and dark pixels (called "black") per quadrant.
- There are 16 pixels per quadrant and 64 pixels in total.
- Start at the box numbered with the last digit in the serial number (top left). Search clockwise for the first box whose condition (middle) applies, then read its answer (bottom).
- Finally, with the answer from the previous step, use the instructions in the center between the boxes to determine which button to press.



B

#01x □ < 6

Exactly one quadrant has less than 6 white pixels.

The total number of white pixels in the other three quadrants



#1□ = lit [??]

There are exactly as many mostly-white quadrants as there are lit indicators.

The number of batteries (not holders).



#2— or |

Exactly one row or column (8 pixels length) is completely white or completely black.

Its x-/y-coordinate, starting from 1 in the top left.



#9□ = □

There are exactly as many mostly-white quadrants as mostly-black quadrants.

The first numeric digit of the serial number.



#8■ or □

There is a 3x3 square that is completely white or completely black.

The x-coordinate (starting at 1) of the center of the first such square in reading order.



#7□ = unlit [??]

There are exactly as many mostly-black quadrants as there are unlit indicators.

The number of ports.



#61x □ < 6

Exactly one quadrant has less than 6 black pixels.

The total number of black pixels in the other 3 quadrants.



#5□ > □

There are more mostly-white quadrants than mostly black quadrants.

The smallest number of black pixels in any quadrant.



#4□ > 35

The entire bitmap has more than 35 white pixels.

The total number of white pixels.



#3□ < □

There are fewer mostly-white quadrants than mostly-black quadrants.

The number of mostly-black quadrants.



Choosing the Button:

Repeatedly add or subtract 4 from the answer until the result is between 1 and 4. Have the defuser press the corresponding button to disarm the module.

A

Keep Talking and Nobody Explodes v.1

Bitmaps

B

Cut
me
off