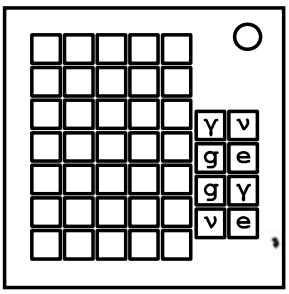
On the Subject of Wave Collapse



Any joke about Schrödinger's cat is funny and unfunny at the same time.

The module has a 5x7 grid and 8 buttons. Each button is connected with one particle, which is located somewhere in the grid. Each button has a symbol that describes the type of particle.

Tap any button to see the wave function of the particle. The wave function is the cells of the grid in which the particle can be located. The wave function is a 2x2 square.

Remember the order, type, and wave function of each particle. This information will not be available after the collapse.

Sum the results of each row in the table on the right. Subtract or add 8 until the result is between 1 and 8. Hold down the button with this number in reading order for more than one second. This will collapse the wavefunction of the particle of this button: particle will take one of four positions and be displayed on the grid.

Value	Multiplier
Port plates	5
Last digit of modules count	3
First digit of serial number	3
Starting time in minutes	7
Indicators without vowels	5

To solve the module, press the positions of all the other particles in the reading order of their buttons.

If the wave functions of two particles intersect, then the two particles are entangled. Use the table on the right to determine the position of particles after collapse. Find a diagram corresponding to the types of two entangled particles. If the collapsed particle ended up in the cell where the point is drawn on the diagram, then the entangled particle will collapse to the same position relative to its wave function. Otherwise, if there is a line in this cell on the diagram, then the entangled particle will collapse in the other end of the line.