On the Subject of the Mouse In The Maze

Inside some bombs is a mouse that is remote-controlled via a chip in it's spinal cord.

- 1. The mouse is located inside one of the following mazes.
- 2. The mouse can move forward or backward or turn left or rigth.
- 3. Pressing the circular button with the labyrinth either
 - 1. detonates the mouse and dissarms the module, if it's located at the accepting position, or
 - 2. causes a strike, if the mouse is at the wrong position.
- 4. The accepting position is marked with one of four colored spheres. Which one depends on the color of the torus in the middle of the maze, according to the table below

Maze	torus color	sphere color	N
0 1 2 3 4 5 6 7 8 9 0	green	blue	0123
	blue	white	
	white	green	5
	yellow	yellow	7 8 9 1 <u>B</u>
0123456789	green	blue	0123
	blue	yellow	$\begin{bmatrix} 2 \\ 3 \\ 4 \end{bmatrix} - \underline{\underline{Y}} \begin{bmatrix} \underline{\underline{Y}} \end{bmatrix}$
	white	green	
	yellow	white	
0 1 2 3 4 5 6 7 8 9 0 1	white	yellow	0123
	green	white	$\begin{bmatrix} \begin{vmatrix} 2 \\ 3 \\ 4 \end{bmatrix} \end{bmatrix} \begin{bmatrix} \underline{B} \\ \underline{B} \end{bmatrix}^{-1}$
	blue	green	5 1_1
8	yellow	blue	7 8 9

Maze	torus color	sphere color
0 1 2 3 4 5 6 7 8 9 O O O O O O O	white	yellow
	green	green
	blue	white
	yellow	blue
0123456789 01 12 3 4 5 6 7 8 9	yellow	yellow
	blue	green
	green	white
	white	blue
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 3 4 5 6 7 8 9 1 4 5 6 7 8 9 1 6 7 8 9 1 7 8 9	green	yellow
	blue	green
	white	blue
	yellow	white