

CS 200 > Assignment 6

Problem:

User is the mouse, they must find the cheese & not be found by the cats!

Using a 3D int array of size 10x10x10, initialize all cells to zero, then using a random number generator hide the cheese and the cats, making sure not to put a cat in the same cell as the piece of cheese.

0 = no cat, no cheese – in all cells, then...

1= the cheese (winner) only in one cell

2= the cats(loser) fill $\frac{1}{2}$ the maze ($(\text{size} * \text{size} * \text{size}) / 2$) number of cats roaming maze

Give user hints to how close they are to cheese:

- Number of cells away from cheese
- if they are in same row/col/page as cheese

Algorithm Solution:

1. ?