

CSE143 Lecture Questions for Wednesday, 5/12/21

Question	Answer
The counter is like an odometer you see in a car or other vehicle!	Yes, exactly.
Could you use this sort of backtracking method/logic to build a program that solves sudoku problems?  Ah interesting, thanks.  Yeah that seems like it would be cool to watch!	Yes. I have an example that the TAs can go over later in section that does exactly that.  It's fun to watch the graphical version of sudoku picking digits as it searches for a solution.
Is the three-digit problem you showed similar to counting in base 3?	Yes, it's similar to base 3 but using the digits 1, 2, and 3 versus the digits 0, 1, and 2.
The 8 queens problem kind of reminds me of matrices in the way that if a matrix has one solution there has to be a pivot in every column in row echelon form	Interesting comparison. In the earlier lecture someone said it reminded them of sudoku, which is also nicely solved with backtracking.