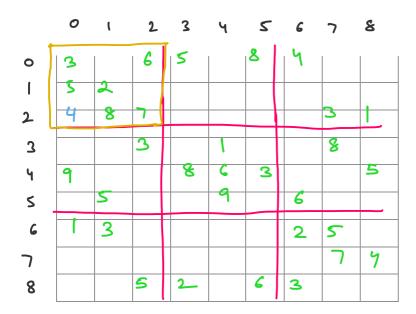
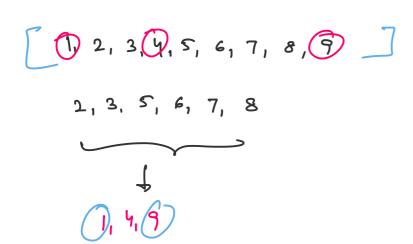
8. Repeat steps 4-7 untill all possible configurations have been explored.

Solve Sudaku

Given a partially filled 20 gicd of size 9*9, the goal is to assign numbers (1-9) to the empty in such a way that the instance of the number should be enactly once in the row, column and the subgrid.





Algorithm Steps -

1. Create a function to check that after assigning a value to the empty cell will the grid becomes safe or not.

hashwap or loops.

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If a number has a frequency greater than I then return false otherwise return time.

- 2. create a recusive function that operates on the given grid.
- 3. check for massigned location -
- (i) if present then assign a number from 1 to 9.
- (ii) thech if after assigning the number if grid becomes safe or not.
- (iii) If safe then call recursive call for all the safe cases from 0 to 9.
- (M) If any of the recursive call returns

tue then end the loop and return time.

If no recursive call returns time then return false.

3. If no unassigned location is left then return true.