present in the grid raw or cohemnand accordingly decide the next value of at any stage we find an invalid entry we revert back to previous entry and try to alter it and extra and extra fail of previous of previous entry if all appears fail then giving rise to a become fail. Time complexity is O(n/2). Where n is the size of s'adolla puzzle, usually 9 and Kis the no. of blank spaces

present in the puzzle. If only I

blank space o(n') = o(9) only one

q the 9 values can fit. 9 f 2

blank spaces, for the first blank space 1-9 any value, and for that value again 1-9 any single value in 2nd blank; so worst care is Worst case complexity: O(nx). n= sire of sudoku puzzle K= sire of no. of blank spaces