

CALIFORNIA STATE SCIENCE FAIR 2009 PROJECT SUMMARY

Name(s)	Project Number
Prem M. Talwai	11613
Project Title	I
Sudoku Patterns	
A hatua	
Objectives/Goals Abstra	ict
 The main goal of this project was to identify patterns patterns to create a new method to solve any standard logical way to approach Sudoku puzzles that avoids I Methods/Materials The materials I used were empty 9x9 Sudoku grids, a solutions (Super Colossal Book of Sudoku by Williar procedure was creating a letter system to map Sudoku consisted of the letters A through I, each letter consis Sudoku grid. I mapped many puzzle solutions and for stacks of each puzzle. I then investigated how these p #transformations# occur in a Sudoku puzzle. By exam solutions, I discovered many more complex patterns. a Sudoku puzzle. I tested this method on many Sudok Results I successfully found patterns in solved Sudoku puzzle band and stack patterns, which can be used to logical Conclusions/Discussion I concluded that there are consistent patterns that aris created a method to solve Sudoku puzzles that uses the	 a large collection of Sudoku puzzles and then to use these d 9x9 puzzle. This will provide Sudoku solvers a long, intense calculations and guesswork. a large collection of Sudoku puzzles and their m Shortz), and a pencil or pen. The first step of my tu puzzles on the 9x9 grid. The letter systems stently representing a number throughout each bund basic patterns that were evident in the bands and patterns arise and came to the theory that certain mining these transformations on several Sudoku. I used these patterns to configure a method to solve ku puzzles. les. I devised a repeating three step method, using lly solve any 9x9 Sudoku puzzle. I fulfilled my goal and hese patterns.
Summary Statement	
My project creates an easily understandable method t	to solve any 9x9 Sudoku puzzle.
Help Received	

No help was received.