

USI  
THEORY OF COMPUTATION

# **SAT Lab**

## **Practical Homework 2**

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## Sudoku

The application is bundled inside an Electron application. The user can play sudoku on the board,

```
1 def gen_vars(rows, columns, values):
2
3     varMap = {}
4
5     # Save the 9 * 9 * 9 possible variables
6     # every cell can have 9 possibility, the
7     for row in range(0, rows):
8         for col in range(0, columns):
9             for val in range(1, values + 1):
10                 var_name=cl(row,
11                             col,
12                             val)
13                 varMap[var_name] = val
14
15     return varMap
```

when the solve button is pressed, electron writes the  
This function generates the variables. It works