



on till last column...

(1-9) X

(5-9) is safe F row
(3x3 matrix

```
weren we are unable to place any digits from @ 1-9 is
  cell I seen me wan say that the digit place its
  cell I man wrong.
code
bool issafe (vectous vectous vint > > 26 oard, unt value, untrous,
           unt col) {
       for cuit roly=0, ix board. size(), i++) <
            if (board trave) [i] == value) ?
               suctuom false.
           if (board ti') [101] == value) <
                 netwen false.
           if (board [3* (row/3) + (1)/3)][3* (101/3)+(10/.3)]=value)
           netwen false;
    silteren touce.
 book sudokuselnes (verton (verton vint > 2 boand) {.
      for ( unti=0; i's board-size(); i++) <
            tou( unt j=0; j x board [1°]. size(); j++) x
                 if (board [i][j] == 0) <
                    fon (rint value = 2; value (=9; value ++)
                boandtistjs = value.
              book remaining sol = sudoker solve (board).
               if (remaining sol) ?
               sælven true;
                  else
                     board [i][j] = 0.
```

```
seetwen falls
     neturn + me.
  unt main () x
       vector evectores ent 77 board = 4
            15,3,0,0,7,0,0,0,0%,
           (6,0,0,1,9,5,3,4,0),
           10,9,8,0,0,0,0,6,0%,
           <8,0,0,0,6,0,0,0,3%,
           (4,0,0,8,0,3,0,0,14,
           (7,0,0,0,2,0,0,0,6%)
           10,6,0,0,0,0,2,8,041
            (0,0,0,0,8,0,0,7,9%;
      17 (sudoku solvey (board) x
         tog (unti=0: ísboard. size(); i++) x
               ton (wit j=0; je board [i]. size(); j++)?
                  cent << 60 and [1"](j) << " "-
               eout & encl.
                         534678912
                         672195348
                          198342 567
autput
                      859761 423
                 426853791
                         7139248
                         9615372 8 9
                        287479635
                         34528617
```