problem set 4
Sudoku by John Harvard

playing n00b #42

[N]ew Game  [R]estart Game  [Q]uit Game
Hacker Edition
Binary Sudoku
quiz 0
0800  Andam started
STOPPED - ANDAM
13°C (095) HP-PO
02:30 PRO 2
2.130576415
Rays 62 m 033 failed special speed test
in relay
11:00  Changed Cosine Tape (Sine check)
15:25  Started Multi Adder Tests
15:45  Relay #70 Panel F
(moth) in relay.
First actual case of bug being found.
16:00  Andam started
17:00  Closed down.
A fatal exception 0E has occurred at 0028:C0011E36 in VXD VMM(01) + 00010E36. The current application will be terminated.

* Press any key to terminate the current application.
* Press CTRL+ALT+DEL again to restart your computer. You will lose any unsaved information in all applications.

Press any key to continue _
The instruction at "0x77f8c1bb" referenced memory at "0x0001088a". The memory could not be "read".

Click on OK to terminate the program.
Unable to save the file because of the following error: no error.
Keyboard not Connected

Windows 95 was unable to detect your keyboard. Press F1 to retry or F2 to abort.
You need to restart your computer. Hold down the Power button for several seconds or press the Restart button.

Veuillez redémarrer votre ordinateur. Maintenez la touche de démarrage enfoncée pendant plusieurs secondes ou bien appuyez sur le bouton de réinitialisation.

Sie müssen Ihren Computer neu starten. Halten Sie dazu die Einschalttaste einige Sekunden gedrückt oder drücken Sie die Neustart-Taste.

コンピュータを再起動する必要があります。パワーボタンを数秒間押し続けるか、リセットボタンを押してください。
Please insert CentOS disc -99 to continue.
Try Tasty Chicken

Would you like to add an order of 10-piece Domino's Pizza Buffalo Chicken Kickers® for $6.3?

YES, ADD TO MY ORDER  NO, THANKS
Today is Sunday, March 15, 2009. You last signed in on March 16, 2009 at 12:30 AM ET.

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```c
#include <string.h>

void foo (char *bar)
{
    char c[12];

    memcpy(c, bar, strlen(bar));  // no bounds checking...
}

int main (int argc, char **argv)
{
    foo(argv[1]);
}
```

[Include source](http://en.wikipedia.org/wiki/Stack_buffer_overflow)
Unallocated Stack Space

h e l l

o \0

Char c[12]

Char *bar

Saved Frame pointer

Return Address

Parent Routine’s Stack

http://en.wikipedia.org/wiki/Stack_buffer_overflow
CSI: CRIME SCENE INVESTIGATION
to be continued...