BACKGROUND INFORMATION

Name:

Email address:

Status: Fresh Soph Jr Sr Post-bac Grad Unenrolled Other:

Prerequisites When Taken	Instructor	Grade
CS162		
CS200		

Other background:

QUIZ

1. Assembler and High-level Languages

Write a `for` loop in C, C++, or Java that has the same effect as the following sequence of 8086 assembly code. Assume that variables `N`,`F`,`A`,`B` are already defined with suitable types. (If you don't know 8086 assembler, take a guess!)

```
; Assume segment registers are already set up.
TOP:    MOV CX, N
        MOV BX, 0000H
LOOP:   MOV AL, A[BX]
        ADD AL, F
        JZ  BOTTOM
        MOV B[BX], AL
        INC BX
        DEC CX
        JNZ LOOP
BOTTOM: ...
```

2. Logic Circuits

Show how to construct an `OR` gate using three `NAND` gates. (Hint: Remember DeMorgan's Law!)

3. Unix.

What command(s) would you use to display all lines that contain the string **`y2k`** from all files in the current directory whose names contain the string **`y2k`** ?