

# Introduction to Computer Systems

## Homework #3

**Due: Apr 07 2008.**

Fill in the code for the following function. The function `sra` performs an arithmetic right shift using a logical right shift, followed by other operations not including right shifts or division. You may assume that `int`'s are 32-bits long. The shift amount `k` can range from 0 to 31. (Book problem: 2.53)

```
int sra(int x, int k) {
    /* Perform shift logically */
    int xsrl = (unsigned) x >> k;
    ...
}
```