

Homework 9

Problem 1

2^n lines of “Hello” will be printed.

Problem 2

```
#include "csapp.h"

static sigjmp_buf env;
static void handler(int sig) {
    Alarm(0);
    siglongjmp(env, 1);
}

char *tfgets(char *s, int size, FILE *stream) {
    Signal(SIGALRM, handler);
    Alarm(5);
    if (sigsetjmp(env, 1) == 0)
        return(Fgets(s, size, stream)); /* return user input */
    else
        return NULL; /* return NULL if fgets times out */
}
```

Problem 3

The output is “c = f”

Problem 4

The output is 4.