

```
/*--- rect.c ---*/
#include "si204.h"

int main() {
    fputs("Height: ", stdout);
    int height = readnum(stdin);
    fputs("Width: ", stdout);
    int width = readnum(stdin);
    fputs("Offset: ", stdout);
    int offset = readnum(stdin);

    for (int i = 0; i < height; ++i) {
        for (int j = 0; j < offset; ++j) {
            fputc(' ', stdout);
        }
        for (int k = 0; k < width; ++k) {
            if (i == 0 || i == (height-1)) {
                fputc('*', stdout);
            } else if (k == 0 || k == (width-1)) {
                fputc('*', stdout);
            } else {
                fputc(' ', stdout);
            }
        }
        fputc('\n', stdout);
    }

    return 0;
}
```