

```
#include <iostream>

#include "polynomial.h"
#include "polynomialring.h"
#include "tables.h"

int main() {
    addition_table(2, 4, 8); /* Don't care really about mod p(x) */
    std::cout << std::endl;

    /* Mult table of Z_2[x]_4 (mod x^4 + 1) */
    multiplication_table(2, 4, 8, *new Polynomial(4, 2, 1, 1, 1, 1, 1));

    return 0;
}
```