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#include <bits/stdc++.h>
using namespace std;
typedef pair<int, int> PII;
typedef long long 11;
const int INF = 0x3f3f3f3f;
const int N = 1e6 + 10;
const double PI = acos(-1);
int n, m;
struct Complex{
    double x, y;
    Complex operator+ (const Complex t) const{
        return \{x + t.x, y + t.y\};
    }
    Complex operator- (const Complex t) const{
        return \{x - t.x, y - t.y\};
    Complex operator* (const Complex t) const{
        return \{x * t.x - y * t.y, x * t.y + y * t.x\};
    }
}a[N], b[N];
int rev[N], bit, tot;
void FFT(Complex a[], int inv){
    for(int i = 0; i < tot; i++){
        if(i < rev[i]) swap(a[i], a[rev[i]]);</pre>
    for(int mid = 1; mid < tot; mid <<= 1){</pre>
        auto w1 = Complex({cos(PI / mid), inv * sin(PI / mid)});
        for(int i = 0; i < tot; i += mid * 2){
            auto wk = Complex(\{1, 0\});
            for(int j = 0; j < mid; j++, wk = wk * w1){}
                auto x = a[i + j], y = wk * a[i + j + mid];
                a[i + j] = x + y, a[i + j + mid] = x - y;
            }
        }
    }
}
int main(){
    scanf("%d%d", &n, &m);
    for(int i = 0; i \le n; i++) scanf("%1f", &a[i].x);
    for(int i = 0; i \le m; i++) scanf("%1f", &b[i].x);
    while((1 \ll bit) < n + m + 1) bit++;
    tot = 1 << bit;
    for(int i = 0; i < tot; i++){
        rev[i] = (rev[i >> 1] >> 1) | ((i & 1) << (bit - 1));
    FFT(a, 1), FFT(b, 1);
```

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for(int i = 0; i < tot; i++) a[i] = a[i] * b[i];
FFT(a, -1);
for(int i = 0; i <= n + m; i++){
    printf("%d ", (int)(a[i].x / tot + 0.5));
}
return 0;
}</pre>
```