```cpp
#include <iostream>
using namespace std;

int cnt = 0;

void getZarr(string str, int Z[]);

void search(string text, string pattern) {
    string concat = pattern + "$" + text;
    int l = concat.length();

    int Z[l];
    getZarr(concat, Z);

    for (int i = 0; i < l; ++i) {
        if (Z[i] == pattern.length())
            cnt++;
    }
}
void getZarr(string str, int Z[]) {
    int n = str.length();
    int L, R, k;

    L = R = 0;
    for (int i = 1; i < n; ++i) {
        if (i > R) {
            L = R = i;

            while (R < n && str[R - L] == str[R]) {
                R++;
            }
            Z[i] = R - L;
            R--;
        } else {
            k = i - L;

            if (Z[k] < R - i + 1) {
                Z[i] = Z[k];
            } else {

                L = i;
                while (R < n && str[R - L] == str[R]) {
                    R++;
                }
                Z[i] = R - L;
                R--;
            }
        }
    }
}
int main() {
    string text, pattern;
    cin >> text >> pattern;
    search(text, pattern);
    cout << cnt;
    return 0;
}
```