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

string func(string s) {

    int i = 0;
    int result = 0;
    while (i < s.size()-1) {
        result = s.at(i + 1) - 48;
        for (int j = 0; j < result; j++) {
            cout << s.at(i);
        }
        i += 2;
    }
    return "";
}

int main() {

    cout << func("a2c4b1") << endl;

    return 0;
}
```