

01

Algorithm

```
#include <iostream>
#include <string>

int main(void) {
    std::string test = "*****";
    for (int i = 0; i < test.size(); ++i) {
        test[i] = test[i] - 1;
    }
    std::cout << test << std::endl;
}
```

Crypted message

rhloknmbn

02

Algorithm

```
#include <iostream>
#include <string>

int main(void) {
    std::string test = "*****";
    for (int i = 0; i < test.size(); ++i) {
        test[i] = test[i] + 1;
    }
    std::cout << test << std::endl;
}
```

Crypted message

k(bepsf!mft!dppljft!bv!dipdpmbu

03

Algorithm

```
#include <iostream>
#include <string>

int main(void) {
    std::string test = "*****";
    for (int i = test.size() - 1; i >= 0; --i) {
        test[i] = test[i] + 1;
    }
    std::cout << test << std::endl;
}
```

Crypted message

k(bepsf!mft!qj{{bt!5!gspnbhft