

C++ Handbook

A guide to C++ programming from Algorithms for Competitive
Programming

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1 Template

Basic template using universal library and FASTIO

```
1 #include <bits/stdc++.h>
2 using namespace std;
3 #define FASTIO() ios_base::sync_with_stdio(0); cin.tie(0); cout.tie(0);
4
5 void solve() {
6
7 }
8
9 int main() {
10     FASTIO();
11     int t = 1;
12     // cin >> t;
13     while (t--) solve();
14 }
```

2 Algebra

2.1 Fundamentals

2.1.1 Binary Exponentiation

text

```
1 #include <bits/stdc++.h>
```

3 Data Structures

4 Dynamic Programming

5 String Processing

6 Linear Algebra

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