C++ Handbook

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

Author:
Alan Acosta

Last Updated:
October 15, 2024

Contents

1 Template

1.0.1 Template in C++

Basic template using universal library and FASTIO

```
#include <bits/stdc++.h>
using namespace std;
#define FASTIO() ios_base::sync_with_stdio(0); cin.tie(0); cout.tie(0);

void solve() {

}

int main() {
    FASTIO();
    int t = 1;
    // cin >> t;
    while (t--) solve();
}
```

2 Algebra

2.1 Fundamentals

2.1.1 text

text

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

3 Data Structures

4 Dynamic Programming

5 String Processing

6 Linear Algebra

7 Combinatorics

8 Numerical Methods

9 Geometry

10 Graphs

11 Miscellaneous