

Boilerplate

```
#include <bits/stdc++.h>
using namespace std;

int main() {
    ios::sync_with_stdio(false);
    cin.tie(nullptr);
    freopen("a.in", "r", stdin);
}
```

Run

```
#!/bin/bash
g++ $1 && ./a.out
```

Common Bugs

- Integer overflow
- Out of bounds array access.
- Edge-case input like 0
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