

Orac and Models

题目链接<https://codeforc.es/contest/1350/problem/B>

B

- 题意：给你一串数 $a_1, a_2, a_3, \dots, a_n$ 。如果下标 $i, i+1$ 满足 $a_i < a_{i+1}$ 并且有 $a_i < a_{i+1}$ ，则称这样的安排是美的，题目要你找出一串序列中最长的，具有美感的数列长度。
- 题解：先咕咕，会补的，别催了。
- 代码：

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

using namespace std;

void solve() {
    int n;
    cin >> n;
    vector<int> a(n + 1), dp(n + 1);
    for (int i = 1; i <= n; i++) {
        cin >> a[i];
    }
    int answer = 0;
    for (int i = 1; i <= n; i++) {
        int mx = 0;
        for (int j = 1; j * j <= i; j++) {
            if (i % j == 0) {
                if (a[j] < a[i]) mx = max(mx, dp[j]);
                if (a[i / j] < a[i]) mx = max(mx, dp[i / j]);
            }
        }
        dp[i] = mx + 1;
        answer = max(answer, dp[i]);
    }
    cout << answer << endl;
}

int main() {
    int tt = 1;
    cin >> tt;
    while (tt--)
        solve();
}
```

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