

Notebook - Maratona de Programação

Py tá O(N)

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1 Template

1.1 Template

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

using namespace std;

const int MAX = 2e5+17;

int main() {
   ios::sync_with_stdio(false);
   cin.tie(NULL);

return 0;
}
```

2 Algoritmos

2.1 Binary Search Last True

```
while (lo < hi) {
    int mid = lo + (hi - lo) / 2;
    if (f(mid)) {
        hi = mid;
    } else {
        lo = mid + 1;
    }
}
return lo;
}</pre>
```

2.2 Binary Search First True