

# 基本操作的时间复杂度 - 丢弃常数项

```
int min = Integer.MAX_VALUE;
int max = Integer.MIN_VALUE;
for (int num : array) {
    if (num < min) min = num;
    if (num > min) max = num;
}
```

```
int min = Integer.MAX_VALUE;
int max = Integer.MIN_VALUE;
for (int num : array) {
    if (num < min) min = num;
}

for (int num : array) {}
    if (num > min) max = num;
}
```

# 基本操作的时间复杂度 - 丢弃次要项

- $O(n^2 + n) \rightarrow O(n^2)$
- $O(\log n + n) \rightarrow O(n)$
- $O(5 * 2^n + 1000n^{100}) \rightarrow O(2^n)$