

### Understand

Understand the problem

### 1. key/clue info

Note **key/clue** info for optimization

e.g. sorted, distinct

### 2. Examples

Add more **examples**

#### 1. **small** case for test

to test after coding

#### 2. **edge** cases for coding

.1 **int**: -#, 0, duplicate, max, min, overflow

.2 **String**: empty, null, upper/lower, non-alphanumeric, valid range, duplicate

#### 3. **big & general** case for algorithm

to find an algorithm

### 3. algorithm

Get a **\*Straightforward algorithm**

like Brute Force from the big & general example

1. to confirm understanding
2. to get expected run-time
3. to be a base for optimization



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