


# 보석 쇼핑

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| # Index     | 67258   |
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| 👤 Person    |  Ally Hyeseong Kim |
| ⚙️ Status   | Done  |
| 🏷️ Tags     | <span>Python</span> <span>Two Pointer</span>  |
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## References

<https://school.programmers.co.kr/learn/courses/30/lessons/67258>

### References

#### 1. Two Pointer

## 1. Two Pointer

```
import collections

def solution(gems):
    gem_list = set(gems)
    if len(gems) == len(gem_list):
        return [1, len(gems)]

    start = 1
    cur_end = start
    end = len(gems) + 1
    cur_gems = dict()
    for i in range(len(gem_list)):
        cur_gems[gems[i]] = cur_gems.get(gems[i], 0) + 1
        cur_end = i + 1
    for i in range(len(gems) - len(gem_list) + 1):
        if i:
            cur_gems[gems[i - 1]] = cur_gems.get(gems[i - 1], 0) - 1
            if cur_gems.get(gems[i - 1], 0) == 0:
                del cur_gems[gems[i - 1]]
        if len(cur_gems) == len(gem_list):
            if cur_end - i - 1 >= end - start:
```

```
        continue
    start = i + 1
    end = cur_end
    continue
for j in range(cur_end, len(gems)):
    cur_end += 1
    cur_gems[gems[j]] = cur_gems.get(gems[j], 0) + 1
    if end - start <= j - i:
        break
    if len(cur_gems) == len(gem_list):
        start = i + 1
        end = j + 1
        break

return [start, end]
```