조이스틱

# Index	42860
🗓 CreatedAt	@September 28, 2022
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⚙ Status	Done
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🗓 UpdatedAt	@September 28, 2022

References

https://school.programmers.co.kr/learn/courses/30/lessons/42860

1. Brute Force

```python
def solution(name):
    change_list = []
    for i in range(len(name)):
        if name[i] != "A":
            change_list.append(i)

    def search(cur, nex, change_list, name, count):
        if cur < nex:
            count += min(nex - cur, cur + len(name) - nex)
        else:
            count += min(cur - nex, nex + len(name) - cur)
        count += min(abs(ord(name[nex]) - ord("A")), abs(ord("Z") - ord(name[nex]) + 1))

        if len(change_list) == 0:
            return count
        elif len(change_list) == 1:
            count =  search(nex, change_list[0], [], name, count)
        else:
            count = min(search(nex, change_list[0], change_list[1:], name, count), search(nex, change_list[-1], change_list[:-1], name

        return count

    if len(change_list) == 0:
        return 0
    if len(change_list) == 1:
        return search(0, change_list[0], [], name, 0)

    return min(search(0, change_list[0], change_list[1:], name, 0), search(0, change_list[-1], change_list[:-1], name, 0))
```